



#424

VIKING ORBITER 1 & 2
MAWD & RAG DATA
75-075A-03A
75-083A-03A

V01/V02-M-MAWD-4-V1.0
75-075A-03C
75-083A-03B



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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

VIKING 1 ORBITER

ATMOSPHERIC WATER DATA ON TAPE

75-075A-03A PSPA-00338

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED 68 9-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE ARE 17 RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A VARIAN V73 COMPUTER AND WERE RESTORED ON THE MRS SYSTEM. JANUARY 1ST IS EQUAL TO DAY 0. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005322	DS005322	D030508	1-12	06/18/76 - 07/03/76
		D030509	13-24	07/03/76 - 07/26/76 (a)
		D030510	25-26	07/27/76 - 07/28/76 (b)
		D030511	27-32	07/29/76 - 08/03/76
DR005323	DS005323	D030512	1-12	08/04/76 - 08/16/76 (c)
		D030513	13-21	08/16/76 - 08/25/76 (d)
DR005324	DS005324	D030514	1-10	08/26/76 - 09/04/76
		D030515	11-17	09/09/76 - 09/15/76 (e)
		D030516	18-23	09/16/76 - 09/20/76
		D030517	24-34	09/20/76 - 10/04/76
DR005325	DS005325	D030518	1-12	10/04/76 - 10/19/76
		D030519	13-25	10/20/76 - 11/02/76
		D030520	26-29	11/03/76 - 11/06/76
		D034474	30-43	12/01/76 - 12/17/76
DR005326	DS005326	D030945	1-18	12/15/76 - 01/19/77 (f)
		D030946	19-32	01/21/77 - 02/03/77
		D030947	33-53	02/04/77 - 03/04/77
		D030948	54-63	03/06/77 - 03/14/77 (g)
DR005327	DS005327	D030949	1-8	03/15/77 - 03/22/77
		D030950	9-17	03/22/77 - 03/31/77
		D030951	18-27	04/01/77 - 04/10/77 (h)
		D034475	28-40	04/06/77 - 04/20/77
DR005328	DS005328	D030952	1-17	04/11/77 - 04/27/77
		D034476	18-26	01/02/78 - 01/12/78 (i)
		D034477	27-33	01/13/78 - 01/20/78
		D034478	34-45	01/21/78 - 02/03/78 (j)

75-075A-03A

DR#	DS#	D#	FILES	TIME SPAN
R005329	DS005329	D034479	1-8	02/04/78 - 02/13/78
		D034480	9-23	02/14/78 - 02/28/78
		D034481	24-25	02/28/78 - 03/01/78
		D034482	26-35	03/05/78 - 03/15/78
DR005330	DS005330	D034483	1-9	03/16/78 - 03/25/78 (k)
		D034484	10-17	03/26/78 - 04/02/78
		D034485	18-26	04/03/78 - 04/12/78
		D034486	27-34	04/13/78 - 04/20/78 (l)
DR005331	DS005331	D034487	1-11	04/20/78 - 05/01/78
		D034488	12-23	05/02/78 - 05/13/78
		D034489	24-34	05/14/78 - 05/24/78
		D034490	35-46	05/25/78 - 06/05/78
DR005332	DS005332	D034491	1-11	06/16/78 - 06/16/78 (m)
		D034492	12-18	06/17/78 - 06/22/78
		D034493	19-26	06/24/78 - 07/01/78
		D034494	27-33	07/02/78 - 07/08/78
		D034495	34-44	07/09/78 - 07/19/78
DR005333	DS005333	D034496	1-6	07/20/78 - 07/25/78
		D034497	7-11	07/25/78 - 07/30/78
		D034498	12-16	07/31/78 - 08/04/78 (n)
		D034499	17-22	08/05/78 - 08/10/78
		D034500	23-27	08/11/78 - 08/15/78
DR005334	DS005334	D034501	1-7	08/16/78 - 08/22/78
		D034502	8-11	08/23/78 - 08/24/78 (o)
		D034503	12-16	08/28/78 - 09/01/78 (p)
		D034504	17-22	09/03/78 - 09/08/78
DR005335	DS005335	D034505	1-7	09/09/78 - 09/15/78
		D034506	8-12	09/15/78 - 09/20/78
		D034507	13-18	09/21/78 - 09/25/78
		D034508	19-24	09/25/78 - 10/02/78
DR005336	DS005336	D034509	1-6	10/03/78 - 10/08/78
		D034510	7-12	10/08/78 - 10/14/78
		D034511	13-16	10/15/78 - 10/19/78
		D034512	17-22	10/19/78 - 10/25/78
DR005337	DS005337	D034513	1-9	10/27/78 - 11/03/78
		D034514	10-19	11/04/78 - 11/13/78 (q)
		D034515	20-29	11/14/78 - 11/23/78
DR005338	DS005338	D034516	1-11	11/24/78 - 12/09/78
		D034517	12-28	12/10/78 - 01/01/79
		D034518	29-45	01/02/79 - 02/05/79
		D044123	46-65	08/21/79 - 06/06/80
		D044124	66-71	05/11/80 - 06/15/80

- (a) D030509 - READ ERRORS OCCURRED ON RECORDS 65, 66, FILE 1
- (b) D030510 - READ ERRORS OCCURRED ON RECORDS 2023, 2029, 2031, FILE 1
- (c) D030512 - READ ERRORS OCCURRED ON RECORDS 79, 110, 111, 126, 173, 104, 840, 1330, 1643, 2173, FILE 2
- (d) D030513 - READ ERRORS OCCURRED ON RECORDS 774 - 776, 1435, FILE 2
- (e) D030515 - READ ERROR OCCURRED ON RECORD 1185, FILE 6
- (f) D030945 - READ ERRORS OCCURRED ON RECORDS 419, FILE 1; RECORD 420, FILE 2
- (g) D030948 - READ ERROR OCCURRED ON RECORD 1, FILE 3
- (h) D030951 - READ ERROR OCCURRED ON RECORD 1164, FILE 2
- (i) D034476 - READ ERRORS OCCURRED ON RECORDS 104, 105, FILE 3
- (j) D034478 - READ ERROR OCCURRED ON RECORD 31, FILE 1
- (k) D034483 - READ ERROR OCCURRED ON RECORD 672, FILE 1
- (l) D034486 - READ ERROR OCCURRED ON RECORD 187, FILE 6
- (m) D034491 - READ ERROR OCCURRED ON RECORD 1925, FILE 6
- (n) D034498 - READ ERRORS OCCURRED ON RECORDS 484, 585, FILE 1
- (o) D034502 - READ ERROR OCCURRED ON RECORD 167, FILE 1
- (p) D034503 - READ ERROR OCCURRED ON RECORD 738, FILE 1
- (q) D034514 - READ ERROR OCCURRED ON RECORD 409, FILE 7

VIKING 2 ORBITER

ATMOSPHERIC WATER DATA ON TAPE

75-083A-03A

PSPA-00088

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED 25 9-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE ARE SEVEN RESTORED TAPES. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A VARIAN V73 COMPUTER. JANUARY FIRST IS EQUAL TO DAY 0. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR02293	DS02293	D30522	1-25	07/31/76 - 09/18/76
		D30523	26-40	09/20/76 - 10/08/76
		D30524	41-50	10/09/76 - 10/19/76
		D30525	51-56	10/20/76 - 10/26/76
DR02294	DS02294	D30526	1-6	10/27/76 - 10/31/76
		D30527	7-14	11/01/76 - 11/08/76
		D30934	15-26	12/16/76 - 12/29/76
		D30935	27-36	12/31/76 - 01/11/77
DR02295	DS02295	D30936	1-10	01/12/77 - 01/22/77
		D30937	11-20	01/22/77 - 02/02/77
		D30938	21-28	02/04/77 - 02/12/77
		D30939	29-42	02/13/77 - 02/28/77
DR02296	DS02296	D30940	1-8	03/01/77 - 03/20/77
		D30941	9-27	03/25/77 - 04/17/77
		D30942	28-42	04/21/77 - 05/07/77
		D30943	43-55	05/07/77 - 05/20/77
DR02297	DS02297	D30944	1-20	05/22/77 - 06/12/77
		D34519	21-35	11/25/77 - 12/12/77
		D34520	36-49	12/14/77 - 12/31/77
		D34521	50-63	01/01/78 - 01/21/78
DR02298	DS02298	D34522	1-20	01/23/78 - 02/13/78
DR02299	DS02299	D34523	1-21	02/14/78 - 03/09/78
		D34524	22-32	03/09/78 - 03/19/78
		D34525	33-43	03/20/78 - 06/20/78
		D34526	44-53	06/22/78 - 07/24/78

REQ. AGENT

CMP

DEW

RAND NO.

RC8288

RD2720

ACQ. AGENT

WSC

WSC

Viking Orbiter 1 & 2

MARS ATMOSPHERIC WATER DETECTOR DATA (MAWD & RAG)

75-075A-03A

75-083A-03A

This data set consists of 68 Viking 1 Orbiter and 25 Viking 2 Orbiter tapes. They are 800 BPI, 9 track, binary tapes that are multifiled. They were created on a Varian V73 computer. January 1st is equal to day 0. Following is a list of D & C numbers and a tape format.

Viking 1 Orbiter 75-075A-03A

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-30508	C-19754	12	6/18/76 - 7/03/76
D-30509	C-19755	12	7/03/76 - 7/26/76
D-30510	C-19756	2	7/27/76 - 7/28/76
D-30511	C-19770	6	7/29/76 - 8/03/76
D-30512	C-19757	12	8/04/76 - 8/16/76
D-30513	C-19758	9	8/16/76 - 8/25/76
D-30514	C-19759	10	8/26/76 - 9/04/76
D-30515	C-19771	7	9/09/76 - 9/15/76
D-30516	C-19760	6	9/16/76 - 9/20/76
D-30517	C-19761	11	9/20/76 - 10/04/76
D-30518	C-19762	12	10/04/76 - 10/19/76
D-30519	C-19763	13	10/20/76 - 11/02/76
D-30520	C-19772	4	11/03/76 - 11/06/76
D-30945	C-19779	18	12/15/76 - 1/19/77
D-30946	C-19780	14	1/21/77 - 2/03/77
D-30947	C-19781	21	2/04/77 - 3/04/77

VIKING 1 ORBITER 75-075A-03A (con't)

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-30948	C-19782	10	3/06/77 - 3/14/77.
D-30949	C-19783	8	3/15/77 - 3/22/77
D-30950	C-19784	9	3/22/77 - 3/31/77
D-30951	C-19833	10	4/01/77 - 4/10/77 *
D-30952	C-19785	17	4/11/77 - 4/27/77
D-34474	C-20850	14	12/01/76 - 12/17/76
D-34475	C-20851	13	4/06/77 - 4/20/77
D-34476	C-20852	9	1/02/78 - 1/12/78
D-34477	C-20853	9	1/13/78 - 1/20/78
D-34478	C-20854	12	1/21/78 - 2/03/78
D-34479	C-20855	8	2/04/78 - 2/13/78
D-34480	C-20856	15	2/14/78 - 2/28/78
D-34481	C-20857	2	2/28/78 - 3/01/78
D-34482	C-20858	10	3/05/78 - 3/15/78
D-34483	C-20859	9	3/16/78 - 3/25/78
D-34484	C-20860	8	3/26/78 - 4/02/78
D-34485	C-20861	9	4/03/78 - 4/12/78
D-34486	C-20862	8	4/13/78 - 4/20/78
D-34487	C-20863	11	4/20/78 - 5/01/78
D-34488	C-20864	12	5/02/78 - 5/13/78
D-34489	C-20865	11	5/14/78 - 5/24/78
D-34490	C-20866	12	5/25/78 - 6/05/78
D-34491	C-20867	11	6/16/78 - 6/16/78
D-34492	C-20868	7	6/17/78 - 6/22/78
D-34493	C-20869	8	6/24/78 - 7/01/78
D-34494	C-20870	7	7/02/78 - 7/08/78
D-34495	C-20871	11	7/09/78 - 7/19/78

* No data in file 1, record 1, time span is approximate.

VIKING 1 ORBITER 75-075A-03A (Cont)

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-34496	C-20872	6	7/20/78 - 7/25/78
D-34497	C-20873	5	7/25/78 - 7/30/78
D-34498	C-20874	5	7/31/78 - 8/04/78
D-34499	C-20875	6	8/05/78 - 8/10/78
D-34500	C-20876	5	8/11/78 - 8/15/78
D-34501	C-20877	7	8/16/78 - 8/22/78
D-34502	C-20878	4	8/23/78 - 8/24/78
D-34503	C-20879	5	8/28/78 - 9/01/78
D-34504	C-20880	6	9/03/78 - 9/08/78
D-34505	C-20881	7	9/09/78 - 9/15/78
D-34506	C-20882	5	9/15/78 - 9/20/78
D-34507	C-20883	6	9/21/78 - 9/25/78
D-34508	C-20884	6	9/25/78 - 10/02/78
D-34509	C-20885	6	10/03/78 - 10/08/78
D-34510	C-20886	6	10/08/78 - 10/14/78
D-34511	C-20887	4	10/15/78 - 10/19/78
D-34512	C-20888	6	10/19/78 - 10/25/78
D-34513	C-20889	9	10/27/78 - 11/03/78
D-34514	C-20890	10	11/04/78 - 11/13/78
D-34515	C-20891	10	11/14/78 - 11/23/78
D-34516	C-20892	1	11/24/78 - 12/09/79
D-34517	C-20893	17	12/10/78 - 1/01/79
D-34518	C-20894	17	1/02/79 - 2/05/79
D-44123	C-23688	20	8/21/79 - 6/06/79
D-44124	C-23689	6	5/11/80 - 6/15/80

VIKING 2 ORBITER 75-083A-03A

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-30522	C-19764	25	7/31/76 - 9/18/76
D-30523	C-19765	15	9/20/76 - 10/08/76
D-30524	C-19766	10	10/09/76 - 10/19/76
D-30525	C-19767	6	10/20/76 - 10/26/76
D-30526	C-19768	6	10/27/76 - 10/31/76
D-30527	C-19773	8	11/01/76 - 11/08/76
D-30934	C-19787	12	12/16/76 - 12/29/76
D-30935	C-19788	10	12/31/76 - 1/11/77
D-30936	C-19789	10	1/12/77 - 1/22/77
D-30937	C-19790	10	1/22/77 - 2/02/77
D-30938	C-19791	8	2/04/77 - 2/12/77
D-30939	C-19792	14	2/13/77 - 2/28/77
D-30940	C-19793	8	3/01/77 - 3/20/77
D-30941	C-19794	19	3/25/77 - 4/17/77
D-30942	C-19795	15	4/21/77 - 5/07/77
D-30943	C-19796	13	5/07/77 - 5/20/77
D-30944	C-19797	20	5/22/77 - 6/12/77
D-34519	C-20724	15	11/25/77 - 12/12/77
D-34520	C-20725	14	12/14/77 - 12/31/77
D-34521	C-20841	14	1/01/78 - 1/21/78
D-34522	C-20726	20	1/23/78 - 2/13/78
D-34523	C-20842	21	2/14/78 - 3/09/78
D-34524	C-20727	11	3/09/78 - 3/19/78
D-34525	C-20728	11	3/20/78 - 6/20/78
D-34526	C-20843	10	6/22/78 - 7/24/78

75-075A-03A
75-083A-03A

MARS ATMOSPHERIC WATER DETECTOR

Mars Atmospheric Water Detector (MAWD) Radiance and Geometry (RAG) data is processed by the Infrared Processing System (a Varian V73 computer) from Viking-produced Experimental Data Record (EDR) tapes and Supplementary Experimental Data Record (SEDR) tapes. This RAG data is stored on tape for further science analysis.

A rough outline of the RAG record generation process is shown in Figure 1. Two passes of the EDR data are required. Pass one collects the internal calibrate data which is used to compute the mean detector temperature and responsivities which are used during pass two. The second pass through the data produces the channel radiances. A wavelength error correction is applied to all wavelength lock data and the wavenumber (cm^{-1}) of each channel is computed from the grating position for all scan data. The geometry information is derived from the SEDR and is time-synchronized with the radiance values to form RAG records.

Attached are a RAG record format description and a RAG TAPE catalog for both orbiter instruments. The tape labels are CSMXXX for VO-1 and ESMXXX for VO-2 where "XXX" is the tape serial number.

RAG Tape Record Format

A RAG tape record contains radiance and geometry information for one complete raster.* Every record consists of 480 words, each of which is a 16 bit integer representing a given parameter multiplied by a scale factor except for several words which are specially packed or coded.** The first 390 words are devoted to storing data on the Instantaneous Field of View (IFOV) level; this is accomplished by assigning a block of 26 words to each of the 15 IFOV's in a raster. The remaining 90 words include raster averages of the IFOV radiances, indicators of instrument noise and data quality, observation time, and raster-level geometry.

Following is a description of the words in the IFOV and raster blocks. See Figure 2 for the arrangement of the blocks of data within a record.

NOTES:

- * A raster is 4.48 seconds long, which is 16 Flight Data System (FDS) counts. The first raster FDS count (instrument flyback) time of 280 msec is used to monitor the wavelength servo and allow the raster mirror to "fly back" to its starting position. In the normal mode, the mirror steps one position (2.1 mrad) for each subsequent IFOV (FDS count); in the fixed mode, the mirror stays at IFOV 8 for all 15 FDS counts.
- ** Unused words in the RAG record are not necessarily zeroed since they may have been used internal to MAWD Team's processing.

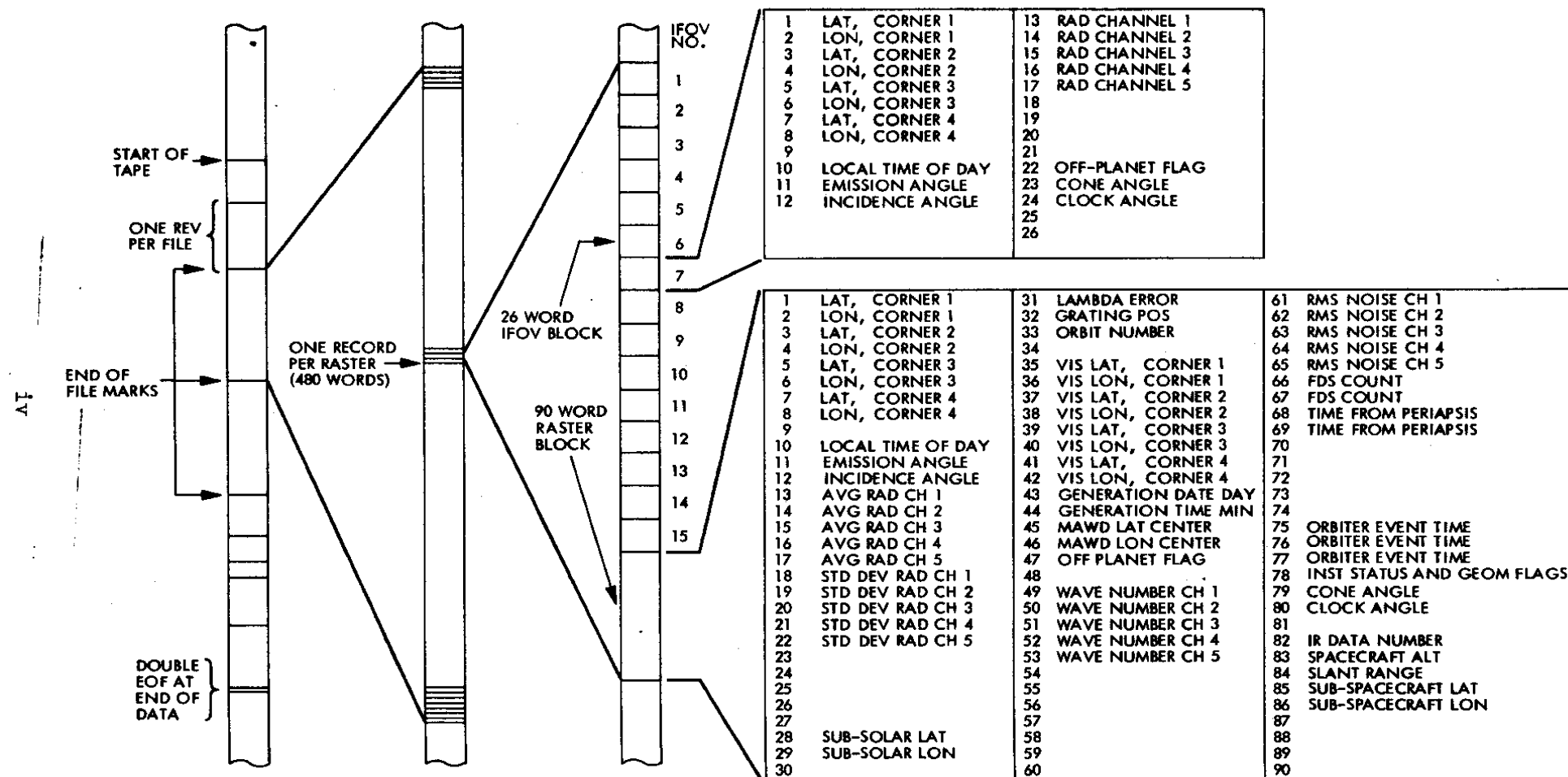


Figure 2. RAG Tape Record Format

IFOV Block Format

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
1.	LAT, CORNER 1	80	Latitude in decimal degrees.
2.	LON, CORNER 1	80	W. Longitude in decimal degrees.
3.	LAT, CORNER 2	80	Latitude in decimal degrees.
4.	LON, CORNER 2	80	W. Longitude in decimal degrees.
5.	LAT, CORNER 3	80	Latitude in decimal degrees.
6.	LON, CORNER 3	80	W. Longitude in decimal degrees.
7.	LAT, CORNER 4	80	Latitude in decimal degrees.
8.	LON, CORNER 4	80	W. Longitude in decimal degrees.
9.			
10.	LOCAL TIME OF DAY	80	Decimal Mars "hours" at IFOV center based on a 24 "hour" Mars day measured positive in the eastward direction from the anti-solar longitude. (1 Mars "hour" = 1.026 earth hours.)
11.	EMISSION ANGLE	80	Emission angle of sunlight reflected from IFOV center to orbiter in decimal degrees (measured with respect to a normal down to the surface).
12.	INCIDENCE ANGLE	80	Incidence angle of sunlight at IFOV center in decimal degrees (measured with respect to a normal down to the surface).
13.	RADIANCE, CHANNEL 1	10,000	In microwatts per cm ² per steradian per wave number.
14.	RADIANCE, CHANNEL 2	10,000	In microwatts per cm ² per steradian per wave number.

IFOV Block Format (contd)

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
15.	RADIANCE, CHANNEL 3	10,000	In microwatts per cm ² per steradian per wave number.
16.	RADIANCE, CHANNEL 4	10,000	In microwatts per cm ² per steradian per wave number.
17.	RADIANCE, CHANNEL 5	10,000	In microwatts per cm ² per steradian per wave number.
18.			
19.			
20.			
21.			
22.	OFF-PLANET FLAG	1	0 if IFOV is on-planet, 1 if any portion of IFOV is off-planet.
23.	CONE ANGLE	80	Celestial cone angle of MAWD line-of-sight in decimal degrees.
24.	CLOCK ANGLE	80	Celestial clock angle of MAWD line-of-sight in decimal degrees.
25.			
26.			

Raster Block Format

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
1.	LAT, CORNER 1	80	Latitude in decimal degrees.
2.	LON, CORNER 1	80	W. Longitude in decimal degrees.
3.	LAT, CORNER 2	80	Latitude in decimal degrees.
4.	LON, CORNER 2	80	W. Longitude in decimal degrees.
5.	LAT, CORNER 3	80	Latitude in decimal degrees.
6.	LON, CORNER 3	80	W. Longitude in decimal degrees.
7.	LAT, CORNER 4	80	Latitude in decimal degrees.
8.	LON, CORNER 4	80	W. Longitude in decimal degrees.
9.			
10.	LOCAL TIME OF DAY	80	Decimal Mars "hours" at center of IFOV 8 based on a 24 Mars "hour" day measured positive in the eastward direction from the anti-solar longitude. (1 Mars "hour" = 1.026 earth hours.)
11.	EMISSION ANGLE	80	Angle of sunlight reflected from center of IFOV 8 to orbiter in decimal degrees (measured with respect to a normal down to the surface).
12.	INCIDENCE ANGLE	80	Incidence angle of sunlight at center of IFOV 8 in decimal degrees (measured with respect to a normal down to the surface).
13.	AVG. RADIANCE, CH. 1	10,000	Average of the 15 IFOV values in microwatts per cm ² steradian per wave number.

Raster Block Format (contd)

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
14.	AVG. RADIANCE, CH.2	10,000	Average of the 15 IFOV values in microwatts per cm ² steradian per wave number.
15.	AVG. RADIANCE, CH. 3	10,000	Average of the 15 IFOV values in microwatts per cm ² steradian per wave number.
16.	AVG. RADIANCE, CH. 4	10,000	Average of the 15 IFOV values in microwatts per cm ² steradian per wave number.
17.	AVG. RADIANCE, CH. 5	10,000	Average of the 15 IFOV values in microwatts per cm ² steradian per wave number.
18.	STD. DEV. RAD. CH. 1	10,000	Standard deviation of the 15 IFOV values about the raster average in microwatts per cm ² per steradian per wave number.
19.	STD. DEV. RAD. CH. 2	10,000	Standard deviation of the 15 IFOV values about the raster average in microwatts per cm ² per steradian per wave number.
20.	STD. DEV. RAD. CH. 3	10,000	Standard deviation of the 15 IFOV values about the raster average in microwatts per cm ² per steradian per wave number.
21.	STD. DEV. RAD. CH. 4	10,000	Standard deviation of the 15 IFOV values about the raster average in microwatts per cm ² per steradian per wave number.

Raster Block Format (contd)

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
22.	STD. DEV. RAD. CH. 5	10,000	Standard deviation of the 15 IFOV values about the raster average in microwatts per cm ² per steradian per wave number.
23.			
24.			
25.			
26.			
27.			
28.	SUB-SOLAR LAT	80	Latitude of subsolar point at flyback in decimal degrees.
29.	SUB-SOLAR LON	80	W. longitude of subsolar point at flyback in decimal degrees.
30.			
31.	LAMBDA ERROR	1,000	Deviation from optimum wavelength alignment in cm ⁻¹ .
32.	GRATING POSITION	1	In DN's corresponding to grating position. Positive DN is scan data, negative DN is locked data.
33.	ORBIT NUMBER	1	Referenced to first periapsis.
34.			
35.	VIS LAT, CORNER 1	80	Latitude in decimal degrees.
36.	VIS LON, CORNER 1	80	W. longitude in decimal degrees.
37.	VIS LAT, CORNER 2	80	Latitude in decimal degrees.

Raster Block Format (contd)

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
38.	VIS LON, CORNER 2	80	W. longitude in decimal degrees.
39.	VIS LAT, CORNER 3	80	Latitude in decimal degrees.
40.	VIS LON, CORNER 3	80	W. longitude in decimal degrees.
41.	VIS LAT, CORNER 4	80	Latitude in decimal degrees.
42.	VIS LON, CORNER 4	80	W. Longitude in decimal degrees.
43.	GENERATION DATE, DAY	1	MAWDRAD processing date in days after 1/0/76.
44.	GENERATION TIME, MIN	1	MAWDRAD processing time in minutes.
45.	MAWD LAT CENTER	80	Latitude of center of IFOV 8 in decimal degrees.
46.	MAWD LON CENTER	80	W. longitude of the center of IFOV 8 in decimal degrees.
47.	OFF-PLANET FLAG	1	0 if raster is on-planet, 1 if any portion of the raster is off-planet.
48.			
49.	WAVE NO. CH. 1	100	Wave number in cm^{-1} minus 7200. Calculated from grating position for scan data, from calibration file for locked data.
50.	WAVE NO. CH. 2	100	Wave number in cm^{-1} minus 7200. Calculated from grating position for scan data, from calibration file for locked data.
51.	WAVE NO. CH. 3	100	Wave number in cm^{-1} minus 7200. Calculated from grating position for scan data, from calibration file for locked data.

Raster Block Format (contd)

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
52.	WAVE NO. CH. 4	100	Wave number in cm^{-1} minus 7200. Calculated from grating position for scan data, from calibration file for locked data.
53.	WAVE NO. CH. 5	100	Wave number in cm^{-1} minus 7200. Calculated from grating position for scan data, from calibration file for locked data.
54.			
55.			
56.			
57.			
58.			
59.			
60.			
61.	RMS NOISE CH. 1	10,000	Averages of the standard deviations of the radiances measured in each internal calibrate frame. In radiance units.
62.	RMS NOISE CH. 2	10,000	Averages of the standard deviations of the radiances measured in each internal calibrate frame. In radiance units.
63.	RMS NOISE CH. 3	10,000	Averages of the standard deviations of the radiances measured in each internal calibrate frame. In radiance units.
64.	RMS NOISE CH. 4	10,000	Averages of the standard deviations of the radiances measured in each internal calibrate frame. In radiance units.

Raster Block Format (contd)

<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
65.	RMS NOISE CH. 5	10,000	Averages of the standard deviations of the radiances measured in each internal calibrate frame. In radiance units.
66.	FDS COUNT		} Flight Data System count at flyback. Double precision integer.
67.	FDS COUNT		
68.	TIME FROM PERIAPSIS		} Double precision integer in seconds.
69.	TIME FROM PERIAPSIS		
70.			
71.			
72.			
73.			
74.			
75.	ORBITER EVENT TIME		} Spacecraft event time in days, hours, minutes, seconds, and milliseconds (GMT) at flyback. See attached sheet for packing format.
76.	ORBITER EVENT TIME		
77.	ORBITER EVENT TIME		
78.	INSTRUMENT STATUS AND GEOMETRY FLAGS		See attached sheet for code.
79.	CONE ANGLE	80	Celestial cone angle of MAWD line-of-sight for IFOV 8.
80.	CLOCK ANGLE	80	Celestial clock angle of MAWD line-of-sight for IFOV 8.
81.			
82.	IR DATA NUMBER		See attached sheet for code.

Raster Block Format (contd)

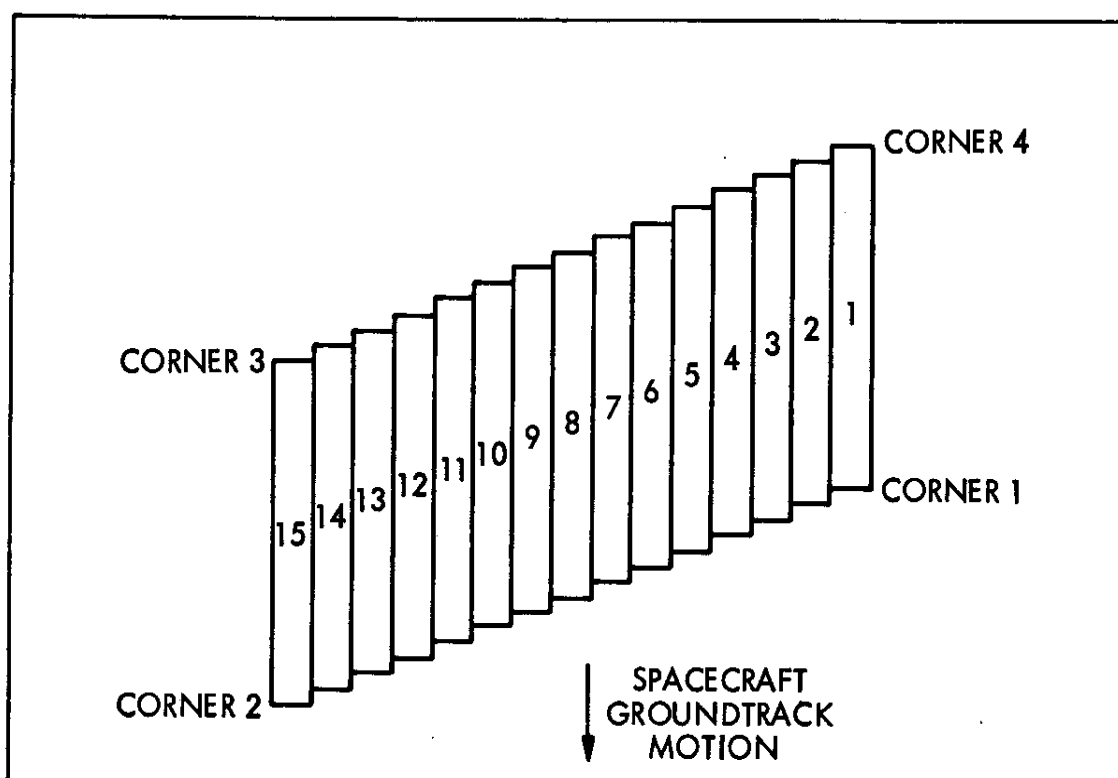
<u>WORD</u>	<u>QUANTITY</u>	<u>SCALE FACTOR</u>	<u>COMMENTS</u>
83.	SPACECRAFT ALTITUDE	1	Spacecraft altitude above surface at flyback in kilometers. (Any altitude greater than 32767 km will appear as 32767 km).
84.	SLANT RANGE	1	Distance along optical path from instrument to center of IFOV 8 in kilometers. (Any slant range greater than 32767 km will appear as 32767 km.)
85.	SUB-SPACECRAFT LAT	80	Sub-spacecraft latitude at flyback in decimal degrees.
86.	SUB-SPACECRAFT LON	80	Sub-spacecraft W. longitude at flyback in decimal degrees.
87.			
88.			
89.			
90.			

FIELD OF VIEW CORNER DEFINITION

IFOV block words 1-8

Raster block words 1-8

The field of view corner numbers are shown below for a raster and its 15 IFOVs.



VIS FIELD OF VIEW

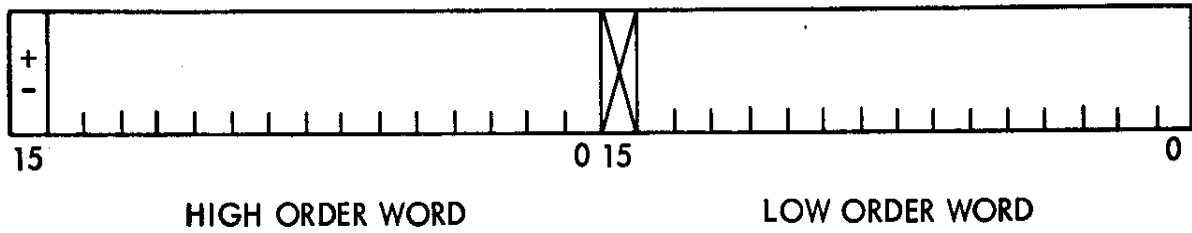
Raster block words 35-42.

These words identify the latitude and longitude of the Visual Imaging System's (VIS) field of view corners. These words are filled whether or not there was an image taken.

DOUBLE PRECISION INTEGER

Raster block words 66-69

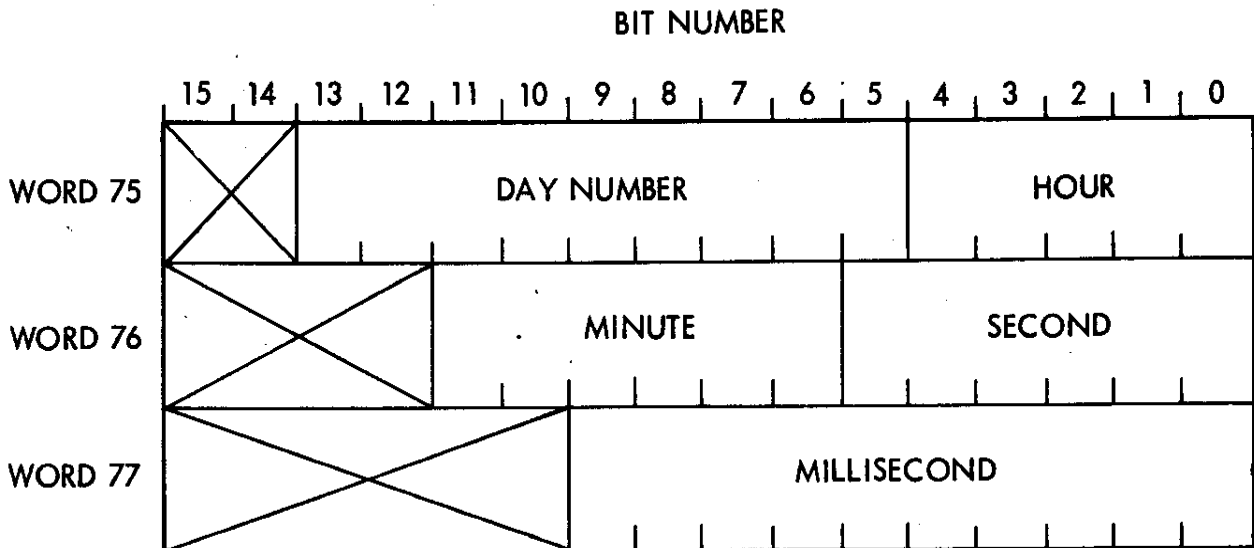
The FDS count and time from periapsis (in seconds) are stored as double precision integers in the bit format shown below:



ORBITER EVENT TIME

Raster block words 75-77

The Orbiter Event Time (OET) is packed into three words as shown below:



example:

15210015₁₅

use only 1st 4 numbers for julian day & hour

1521₁₅ reduce figure to binary numbers (word 75)

0001 0101 0010 0001

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1

A9₁₅ day

1₁₅ hr

A9₁₅ = 169₁₀ julian day

INSTRUMENT STATUS AND GEOMETRY FLAGS

Raster block word 78

The six most significant bits specify the mode of raster mirror motion and the instrument's gain state. The seven least significant bits are flags containing viewing geometry information. In the description below, note that an FOV (Field of View) is equivalent to a "raster" (or 15 IFOV's).

	<u>Bit</u>	<u>Description</u>
MSB	15-14	Raster direction 00 = normal 01 = reverse 11 = fixed at IFOV 8
	13-10	Gain state (1-8)
	9-7	Unused
	6	Limb crossing flag 0 = IFOV 8 on-planet 1 = IFOV 8 off-planet
	5	Terminator crossing flag 0 = IFOV 8 on lit side of terminator 1 = IFOV 8 on dark side of terminator
	4	Platform in motion flag 0 = not moving 1 = moving
	3	Deimos shadow in FOV flag 0 = out of FOV 1 = in FOV
	2	Phobos shadow in FOV flag 0 = out of FOV 1 = in FOV
	1	Any portion of FOV off-planet 0 = on-planet 1 = off-planet

INSTRUMENT STATUS AND GEOMETRY FLAGS (contd)

	<u>Bit</u>	<u>Description</u>
LSB	0	Any portion of FOV on dark side of terminator 0 = whole FOV in light 1 = some portion of FOV in dark

CELESTIAL CONE AND CLOCK ANGLE

Ifov block words 23-24

Raster block words 79-80

The instrument's line-of-sight is determined by spacecrafts orientation, scan platforms position, and raster mirror position. Celestial cone and clock angles define the direction of the line-of-sight in an orbiter-centered spherical coordinate system where the polar and azimuthal angles are referred to as cone and clock, respectively. The cone angle is zero when the instrument is aimed at the sun and the clock angle is zero when the instrument points toward the star Canopus.

IR DATA NUMBER

Raster block word 82

These codes are three digit decimal integers. The left-most digit specifies the spacecraft number and differentiates between approach data, orbit data and orbits greater than 1000. If the sign is negative, the lower order two digits identify the first VIS picture number in the data block. If the sign is positive, the lower order two digits identify the particular observation and specify which IR group requested it.

WORD 82

A B C D E

A, B = not used

C = 0, 2, 4

V0-1 orbit data

C = 6

V0-1 orbit data for revs greater than 999

C = 1, 3, 5, 7

V0-2 orbit data

C = 8

V0-1 approach data

C = 9

V0-2 approach data

DE = 1 - 39

Data requested by MAWD

DE = 40 - 79

Data requested by IRTM

DE = 80 - 99

Data requested jointly by MAWD and IRTM

or if word 82 is negative:

DE = 1 - 99

VIS pictures were taken during this observation, the first of which was number DE.

NOTE: The observation number in the tape catalog is formed by adding the absolute value of the IR data number to (1000 * REV NO.) and appending an "F" where the IR data number is negative.

NOTE: The V0-1 orbits greater than 999 have been labeled as a 3 digit orbit number derived from

orbit number - 1000 = 3 digit orbit number.

A 6 has been placed in part C of word 82 to flag these orbits greater than 999.

also in
75-075A-03B

```
*****
***                               ***
***   MAWD NSSDC DATA CATALOG FOR VO 1   ***
***                               ***
***                               ***
*****
```

```
*****
MAWD NSSDC DATA CATALOG CODING
-----
```

COLUMN
NUMBERS

```
1,2,3   ORBIT NUMBER
4        SPACECRAFT   VC-I   0,2,4,6   CKBITAL   8   APPROACH
                        VC-II  1,3,5,7   DATA     9   DATA

5,6      OBSERVATION NUMBER
          00-39 = MAWD  40-79 = IRM  80-99 = MAWD & IRM
          IF COLUMN 7 = F THEN 5,6 ARE THE FIRST PICTURE #
          OF THAT VIS OBSERVATION

7 8 9 10
F  X  X   VIS OBSERVATION WITH 9,10 = # OF VIS FRAMES
F H X  X   SAME AS ABOVE WITH HEADER INCLUDED
S  X  X   DATA NOT REQUESTED BUT USEFUL  9,10 = MINUTES OF DATA
X  X  B   BOX SCAN      8,9 = MINUTES OF DATA
X  X  H   HEADER      "
X  X  S   SCIENCE SLEW    "
```

11 + = TIME AFTER PERIAPSIS
 - = TIME BEFORE PERIAPSIS

12,13 HOURS FROM PERIAPSIS

14,15 MINUTES FROM PERIAPSIS

17,25 OET (START OF OBSERVATION) DAY, HOUR, MINUTE, SECOND

27,36 FDS (COUNT (START OF OBSERVATION)

38,43 OET (END OF OBSERVATION)

45,57 TAPE AND FILE # WHERE DATA IS LOCATED

60,80 COMMENTS

```
*****
```

TAPE NO. CSM001 APPROACH DAY 169-170 TO REV 12 12 FILES

File No.	Start	End	File Name	File Type	File Description
169800	021-6313	169800010	0413497630	010249	CSM001 FILE 1 HEADER
169810	S35-6001	169041201	041353E747	044108	CSM001 FILE 1 EXTRA DEFCR 169802
169802	148-5532	169044240	0413545310	045656	CSM001 FILE 1 MOI -2 DAYS
169811	S10-5532	169045707	0413548395	050616	CSM001 FILE 1 EXTRA DEFCR 169881
169881	021-5587	169050614	0413550370	050655	CSM001 FILE 1 HEADER
169882	021-5758	169062748	0413567940	063027	CSM001 FILE 1 HEADER
169884	021-5858	169111507	0413629410	111746	CSM001 FILE 1 HEADER
169885	021-5748	169131743	0413655680	132022	CSM001 FILE 1 HEADER
169886	021-5545	169152037	0413682020	152317	CSM001 FILE 1 HEADER
169887	021-5342	169172340	0413708390	172620	CSM001 FILE 1 HEADER
169888	021-5135	169192443	0413734750	192923	CSM001 FILE 1 HEADER
169812	S11-4817	169224823	0413777963	225840	CSM001 FILE 1 EXTRA BY SELF
169890	021-4735	169231339	0413783376	232417	CSM001 FILE 1 HEADER EXTRA TIME
170880	021-4531	170010441	0413813600	013720	CSM001 FILE 2 HEADER
170881	021-4328	170020744	0413839570	034023	CSM001 FILE 2 HEADER
170803	165-4232	170040911	0413853140	045329	CSM001 FILE 2 MOI -10 DAY
170882	021-4126	170054020	0413866240	054259	CSM001 FILE 2 HEADER
170883	021-3926	170074024	0413891970	074303	CSM001 FILE 2 HEADER
170840	165-3814	170085131	0413907231	090654	CSM001 FILE 2 ATMOS BOX 1
170884	021-3718	170094822	0413919650	095102	CSM001 FILE 2 HEADER
170885	021-3515	170115126	0413945780	115405	CSM001 FILE 2 HEADER
170804	165-3412	170124154	0413956580	125813	CSM001 FILE 2 MOI-0
170810	S03-3417	170125818	0413960091	130011	CSM001 FILE 2 EXTRA AFTER 170804
170886	021-3312	170135420	0413972107	135659	CSM001 FILE 2 HEADER
170841	021-3245	170141635	0413976880	141852	CSM001 FILE 2 OFF AXIS RESPON 1
170842	CSF-3225	170144635	0413981150	144022	CSM001 FILE 2 OFF AXIS RESPON 2
170887	021-3105	170155723	0413996460	160002	CSM001 FILE 2 HEADER
170805	145-3022	170164354	0414008430	165812	CSM001 FILE 2 MOI -0
170811	S02-3007	170165830	0414011563	165900	CSM001 FILE 2 EXTRA AFTER 170805
170888	021-2906	170180026	0414024830	180305	CSM001 FILE 2 HEADER
170865	021-2702	170200320	0414051170	201559	CSM001 FILE 2 HEADER
170806	165-2621	170214455	0414060080	210114	CSM001 FILE 2 MOI -0
170845	248-2611	170210630	0414064707	212112	CSM001 FILE 2 ATMOS BOX 2
170807	135-2425	170220655	0414084080	225536	CSM001 FILE 2 TURN OFF
003040	095-840	174092024	0415147611	093017	CSM001 FILE 3 ATMOS TIGHT BOX
003011	S02-545	174122201	0415186602	130003	CSM001 FILE 3 DEFCR 003041 CONTIG
003041	021-516	174120044	0415154875	130213	CSM001 FILE 3 JOURNAL 10/83
003021	S02-504	174130252	0415155371	131010	CSM001 FILE 3 BETWEEN 3041 3042
003042	165-456	174131022	0415156571	132506	CSM001 FILE 3 GLOBAL PORN
002043	021-11	174173515	0415258011	175801	CSM001 FILE 3 A1 GLOBAL PORN LT S
002061	165-1	174175900	0415258716	180525	CSM001 FILE 3 A1 DISPERSED COV
003044	021-1	174180703	0415260535	181102	CSM001 FILE 3 A1 RT SIDE COV
003045	021-502	175040020	0415387681	040800	CSM001 FILE 3 F1 ALT FREELAN R01
003046	021-1140	175060020	0415413408	060814	CSM001 FILE 3 F1 ALT FREELAN R02
004040	065-515	175092708	0415457696	092413	CSM001 FILE 4 ATMOS TIGHT BOX
004001	165-548	175093731	0415455520	092305	CSM001 FILE 4 A1 F1 ALT
004011	065-501	175095503	0415463480	100101	CSM001 FILE 4 F1-ALT A1 RED
004042	065-545	175128715	0415502720	130422	CSM001 FILE 4 ENTIRE ID
004006	165-214	175164133	0415551784	165611	CSM001 FILE 4 10/83 JOURNAL
004011	165-15	175183058	0415574240	183110	CSM001 FILE 4 A1 CHAQUE
004042	021-14	175185211	0415574496	183401	CSM001 FILE 4 A1 LEFT SIDE COV
004043	021-11	175185220	0415575200	183814	CSM001 FILE 4 A1 RT SIDE COV
004044	021-7	175185416	0415576000	184645	CSM001 FILE 4 A1 W/A STEREO R1

TAPE NO. CSM001 APPROACH DAY 169-170 TO REV 12 12 FILES (CONT)

005040	05R-	882	176103354	0415780576	104032	CSM001	FILE 5	ATMOS TIGHT BOX
005040	05R-	824	176110149	0415786580	110739	CSM001	FILE 5	HI ALT A1 VIOLET
005041	06R-	957	177052439	0416022667	053206	CSM001	FILE 5	HI ALT PRE DAWN
005042	06R-	1140	177071400	0416046315	072156	CSM001	FILE 5	HI ALT PRE DAWN
006001	07R-	924	177104011	0416090496	104600	CSM001	FILE 6	HI ALT A1 RED
006040	06R-	500	177110413	0416095648	111053	CSM001	FILE 6	ATMOS TIGHT BOX
006041	07R-	552	177141214	0416135936	141914	CSM001	FILE 6	ENTIRE ID
006042	02S-	512	177145238	0416144592	145439	CSM001	FILE 6	DIURNAL 10/83
006043	19R-	422	177154217	0416155243	160129	CSM001	FILE 6	GLOB PORN COV
006044	02S-	334	177163000	0416165467	163204	CSM001	FILE 6	DIURNAL 10/83
006045	04R-	222	177173224	0416178827	173645	CSM001	FILE 6	DIURNAL 10/83
006005	16S-	201	177180341	0416185520	182014	CSM001	FILE 6	DIURNAL 10/83
006046	20R-	141	177182316	0416189728	184348	CSM001	FILE 6	ID
006001	S34-	104	177190057	0416197803	193457	CSM001	FILE 6	EXTRA
006047	02R-	13	177195126	0416208619	195353	CSM001	FILE 6	A1 LEFT SIDE COV
006048	02R-	10	177195421	0416209312	195650	CSM001	FILE 6	A1 RT SIDE COV
006016F	7A-	6	177195505	0416210048	200558	CSM001	FILE 6	A1 W/A STEREO #1
007001	07R-	932	178111817	0416407242	112108	CSM001	FILE 7	HI ALT A1 RED
007040	19R-	420	178162032	0416472000	163944	CSM001	FILE 7	GLOB PORN COV
007041	22R-	130	178191627	0416509696	192847	CSM001	FILE 7	ID
007042	15R-	108	178193927	0416514635	195439	CSM001	FILE 7	LOW ALT COV
007043	11R-	8	178203619	0416526811	204643	CSM001	FILE 7	A1 SITE MULT SLEW
008001	07R-	926	179115626	0416723979	120213	CSM001	FILE 8	HI ALT A1 RED
008040	06R-	914	179120841	0416726603	121520	CSM001	FILE 8	ATMOS TIGHT BOX
008001	16S-	903	179121859	0416728811	123504	CSM001	FILE 8	A1 HI ALT
008041	07R-	554	179152038	0416769451	153535	CSM001	FILE 8	ENTIRE ID
008042	02S-	512	179160854	0416778091	161056	CSM001	FILE 8	DIURNAL 10/83
008043	02S-	335	179174356	0416798443	174538	CSM001	FILE 8	DIURNAL 10/83
008044	04R-	234	179184833	0416812239	185324	CSM001	FILE 8	DIURNAL 10/80
008002	16S-	154	179192852	0416820535	194505	CSM001	FILE 8	DIURNAL 10/83
008045	16R-	137	179194539	0416824512	195505	CSM001	FILE 8	ID
008011	S05-	104	179201853	0416831643	202200	CSM001	FILE 8	OFF PLANET 3 MIN
008011F	05-	14	179210855	0416842368	210514	CSM001	FILE 8	A1 OBLIQUE
008046	02R-	12	179211002	0416842603	211229	CSM001	FILE 8	A1 LEFT SIDE COV
008047	02R-	10	179211243	0416843175	211510	CSM001	FILE 8	A1 RT SIDE COV
008016F	7R-	6	179211623	0416843568	212356	CSM001	FILE 8	A1 W/A STEREO #1
008021	S34	0	179213601	0416844180	220556	CSM001	FILE 8	EXTRA
009040	09R-	520	180123139	0417040096	124039	CSM001	FILE 9	ATMOS TIGHT BOX
009001F	05-	900	180130206	0417046624	130223	CSM001	FILE 9	A1 HI ALT RED
009041	16R-	210	180195144	0417134400	200535	CSM001	FILE 9	ID
009042	10R-	5	180215630	0417161136	221648	CSM001	FILE 9	A1 TO OFF LIMB
009021F	40+	7	180220934	0417163936	221435	CSM001	FILE 9	LOW ALT B1
009043	07R+1040	0	181024142	0417299392	184941	CSM001	FILE 9	PREDAWN A1 GLOBAL
010001	06R-	500	181171020	0417408384	171717	CSM001	FILE 10	ILL LISH
010040	16R-	420	181181013	0417421216	182831	CSM001	FILE 10	GLOBAL BOX
010002	02S-	355	181184036	0417427728	184237	CSM001	FILE 10	-15/65
010003	05R-	300	181194016	0417440512	194601	CSM001	FILE 10	-15/65
010004	16S-	185	181204038	0417453440	205701	CSM001	FILE 10	-15/65
010021	S24-	124	181211546	0417460976	214944	CSM001	FILE 10	EXTRA
010001F	03-	8	181223141	0417477248	223515	CSM001	FILE 10	A1 W/A STEREO 1
010022	S34	0	181231045	0417485816	234443	CSM001	FILE 10	EXTRA
010020	S55	0	182143015	0417682651	152939	CSM001	FILE 10	OFF SETS

TAPE NO. CSM001 APPROACH DAY 169-170 TO REV 12 12 FILES (CONT)

011040	09S-	5	182230903	0417753824	231801	CSM001	FILE11	C1 REGION COV
011041	04S	5	182232421	0417757104	232922	CSM001	FILE11	R1 RT SF CENTER
011042	07D	1046	183095852	0417933027	100648	CSM001	FILE11	PREDAWN A2 GLOBAL
012040	09R-1105		183122705	0417564832	123628	CSM001	FILE12	ATPCS TIGHT BOX
012041	09R-	530	183142700	0417950528	143621	CSM001	FILE12	ATPCS TIGHT BOX
012001R	05-	805	183145727	041795700F	145746	CSM001	FILE12	HI ALT A1 MLD
012011R-05-		502	183185454	0418047936	185745	CSM001	FILE12	DUST CLOUD DIURNAL
012021R-05-		202	183215451	0418086496	215742	CSM001	FILE12	DUST CLOUD DIURNAL
012001	30R-	157	183222005	0418091504	225047	CSM001	FILE12	IC
012031R-05-		104	183225248	0418098912	225744	CSM001	FILE12	DUST CLOUD DIURNAL
012002	07R-	44	183231257	0418103232	232030	CSM001	FILE12	C1
012051R	40-	1	183234820	0418110816	235201	CSM001	FILE12	LOW ALT C1
012042	05S-	4	183235250	0418111776	235750	CSM001	FILE12	LEFT SIDE A1
012043	06S	5	184000223	0418113824	000800	CSM001	FILE12	R1 LEFT - CENTER
012044	07D	1046	184103703	0418245824	104803	CSM001	FILE12	A1 PREDAWN GLOBAL

day

TAPE NO. CSM002 REV 13-35 12 FILES

013001FH05-	502	124153302	0418313246	153755	CSM002	FILE	1	HI ALT A1 RED
013001 06F-	601	124183513	0418352288	124211	CSM002	FILE	1	ID
013011FH03-	502	124193300	0418364672	193542	CSM002	FILE	1	DUST CLOUD DIURNAL
013002 02S-	437	124193729	0418365632	193951	CSM002	FILE	1	PLATEAU -17/77
013003 02S-	355	124203530	0418376064	203752	CSM002	FILE	1	PLATEAU -17/77
013004 04F-	301	124213510	0418390848	214002	CSM002	FILE	1	PLATEAU -17/77
013021FH04-	202	124223257	0418403232	223543	CSM002	FILE	1	DUST CLOUD DIURNAL
013005 16S-	137	124223731	0418404208	225357	CSM002	FILE	1	PLATEAU -17/77
013006 30F-	137	124225811	0418408640	232854	CSM002	FILE	1	ID
013031FH02-	164	124233103	0418415680	233545	CSM002	FILE	1	DUST CLOUD DIURNAL
013041F 0S-	11	125002336	0418426944	002355	CSM002	FILE	1	ORLIQUE A1
013040 05S-	5	125002431	0418428208	003452	CSM002	FILE	1	A1 FP CENTER
013041 07F	1525	125111509	0418566560	112309	CSM002	FILE	1	PREDAWN GLOBAL SCAN
013051FH05	1205	125123958	0418584736	124249	CSM002	FILE	1	HI ALT
014001FH05-1646		125141104	0418604256	141355	CSM002	FILE	2	HI ALT A1 RED
014001 05F-	45	126002913	0418736712	003642	CSM002	FILE	2	SB C1
014081F 24-	8	126010432	0418744288	011206	CSM002	FILE	2	VIS
014040 06S	2	126011530	0418746632	012133	CSM002	FILE	2	A1 NW
016001 S52		129170200	0419875168	123359	CSM002	FILE	3	OFFSET NOISE DATA
019001 S22		1291062359	0420355676	064559	CSM002	FILE	4	POWER ON 6 HIGH RAT
020005 S2F-	538	1291192746	0420523547	195524	CSM002	FILE	5	OFF PLAIET
020010 S02	(	1291195528	0420529483	200234	CSM002	FILE	5	EXTRA
020001FH05-	504	1291200239	0420531019	200525	CSM002	FILE	5	HIALT A1
020011 S04-	658	1291200510	0420531562	200859	CSM002	FILE	5	EXTRA
020001 30S-	112	1292035322	0420631888	042659	CSM002	FILE	5	NPM FOR DETT
020016F 7F-	111	1292045541	0420645248	050313	CSM002	FILE	5	A1 WNW
020002 83S	50	1292042301	0420641088	0657	CSM002	FILE	5	NPM FOR DETT
022111 S31	(	1293204725	0421157744	211753	CSM002	FILE	6	EXTRA
022011 S37-	334	1294030455	0421236651	034112	CSM002	FILE	6	FIXED ANGLE SLEW
022041 07F-	250	1294034917	0421248160	035718	CSM002	FILE	6	SOUTH POLE COV
022042 04F-	210	1294035918	0421250304	040410	CSM002	FILE	6	SOUTH POLE TFOX
022012 S06	(	1294054701	0421273600	062257	CSM002	FILE	6	EXTRA
022016F 7F	(	1294062931	0421282496	063704	CSM002	FILE	6	A1 WNW
022013 S17	(	1294064100	0421284944	075750	CSM002	FILE	6	EXTRA
026021FH05-	501	1298053309	0422556128	094256	CSM002	FILE	7	R1 WEST
027001FH10-	(	1299095545	0422870336	100950	CSM002	FILE	8	A SITE WAF STERLC
028001FH15-	501	120014444	0423072896	015353	CSM002	FILE	9	VIS
032011 S37-	814	1204020203	0424310891	023950	CSM002	FILE	10	LAT OF 45 LOW 140
032001FH15-	822	1204045736	0424340512	051456	CSM002	FILE	10	WEATHER C1 RED
032016FH05	1	1204132035	0424456288	1333.9	CSM002	FILE	10	R1 WEST SURVEY

TAPE NO. CSM002 REV 13-35 12 FILES (CONT)

034040	078-1020	206040456	042495436F	041223	CSM002	FILE11	DIURNAL PTA 10/60
034012	S01- 942	206045238	0424964527	045747	CSM002	FILE11	LAT 35 LON 100
034001F	2- 522	206050253	042496676E	050530	CSM002	FILE11	LANDER HIGH ALT H
034007	028- 048	206055017	0424976944	055223	CSM002	FILE11	DIFFUSEL SEARCH #1
034207	028- 042	206055250	042497748E	055500	CSM002	FILE11	DIFFUSEL SEARCH #2
034008	128- 040	206055517	0424978016	061117	CSM002	FILE11	DIFFUSEL FP
034041	038- 020	206061500	0424982240	061800	CSM002	FILE11	IRTM DIFFUS PLATE
034042	081- 000	2060615501	042498652E	064310	CSM002	FILE11	IRTM LILR PT R 1060
034001	118- 415	206101955	0425034720	103148	CSM002	FILE11	12BT SOUTH OF -30
034010	S14- 401	206103418	042503780E	104823	CSM002	FILE11	LAT20-40 LONGO-UL/
034002	189- 300	206113501	0425050816	115316	CSM002	FILE11	ID
034043	150- 232	206120257	0425056800	122411	CSM002	FILE11	SOUTH LAT ATMOS EX
034003	088- 210	206122517	042506158A	123334	CSM002	FILE11	FP MEMNONIA
034051F	18- 155	206123539	042506380F	130527	CSM002	FILE11	MEMNONIA -V
034004	048- 100	206133519	0425075592	133549	CSM002	FILE11	-15/145
034005	055- 40	206135519	0425080880	135918	CSM002	FILE11	NOON MEMNONIA
034006	068- 25	206140020	0425081952	140614	CSM002	FILE11	CONST LAT
034044	061- 21	206141355	0425084864	142053	CSM002	FILE11	IRTM JOURNAL
034045	055- 12	206142155	0425086552	143048	CSM002	FILE11	13M SYS MAP
034071F	22- 2	206143217	0425088200	143351	CSM002	FILE11	SYSMAP A1 GAP
034011	S31- 1	206143351	042508914F	144736	CSM002	FILE11	FP 25/32 TO 40/354
035015F	03- 810	207070255	042530108E	070207	CSM002	FILE12	SCAN CALIB
035003	058- 735	207073750	0425308560	074246	CSM002	FILE12	10/83
035004	048- 650	207082253	042531620F	082654	CSM002	FILE12	10/83
035005	048- 600	207091253	042532892E	091636	CSM002	FILE12	10/83
035006	028- 500	207101250	042534177E	101452	CSM002	FILE12	10/83
035007	028- 400	207111252	0425354840	111424	CSM002	FILE12	10/83
035008	028- 300	207121250	042536748F	121432	CSM002	FILE12	10/83
035009	184- 152	207132020	0425381952	133646	CSM002	FILE12	10/83
035010	S05- 52	207142035	0425394864	142513	CSM002	FILE12	LAT -75 LON 113
035030	061- 02	207142928	042539676F	143635	CSM002	FILE12	60 DEG F SYS MAP
035001	028- 24	207143053	0425398784	144037	CSM002	FILE12	CONNECT
035082	071- 20	207144226	0425399552	145010	CSM002	FILE12	FIL F SYS MAP
035083	058- 21	207145228	042540169E	145738	CSM002	FILE12	ENC F SYS MAP
035021F	2- 5	207150345	042540412F	150334	CSM002	FILE12	LANDER W/B OBLIQUE
035040	068- 7	207150514	0425404432	151055	CSM002	FILE12	-E SYS MAP
035041	081- 1	207151153	042540585E	151922	CSM002	FILE12	8M SYS MAP
035031F	35- 7	207152041	0425407744	152559	CSM002	FILE12	LB-1 SITE RW

TAPE NO. CSM003 REV 36-37 2 FILES

036001	10S-	547	208060244	0425556752	061207	CSM003	FILE	1	0 WEST
036001FH	2-	932	208061811	0425600064	062048	CSM003	FILE	1	HI ALT LANCER R/V
036002	10S-	859	208065044	0425607040	070103	CSM003	FILE	1	10S 15 WEST
036003	12S-	755	208075042	0425619888	080311	CSM003	FILE	1	12S 30 WEST
036004	12S-	655	208085044	0425632752	090313	CSM003	FILE	1	12S 45 WEST
036005	14S-	555	208095041	0425645600	100516	CSM003	FILE	1	14S 60 WEST
036006	16S-	455	208105043	0425658464	110723	CSM003	FILE	1	16S 75 WEST
036007	18S-	355	208115045	0425671328	120930	CSM003	FILE	1	18S 90 WEST
036008	19S-	255	208125042	0425684176	130932	CSM003	FILE	1	19S 105 WEST
036010	27S-	155	208144045	0425707755	150720	CSM003	FILE	1	EXTRA DATA #1
036081	060-	43	208150725	0425713472	151640	CSM003	FILE	1	REG G SYS MAP
036082	025-	33	208151645	0425715472	152019	CSM003	FILE	1	CONNECT
036083	078-	20	208152025	0425716256	153024	CSM003	FILE	1	EE MID G SYS MAP
036084	058-	20	208153025	0425718400	153728	CSM003	FILE	1	SE END C SYS MAP
036040	058-	12	208153744	0425719568	154828	CSM003	FILE	1	-13M SYS MAP
036011F	22-	2	208154820	0425722272	155004	CSM003	FILE	1	SYS MAP A1
036041	058	0	208155007	0425722615	160355	CSM003	FILE	1	-1 SYS MAP
036041F	22	13	208160343	0425725536	160918	CSM003	FILE	1	SYS MAP B1 SOUTH
036042	32S	20	208162045	0425729184	165111	CSM003	FILE	1	THER EM1 F1 PT #1
036042	36S	100	208165116	0425735723	172925	CSM003	FILE	1	THER EM1 #1 PT #2
036043	69S	335	208192041	0425766844	202920	CSM003	FILE	1	THER FMI #2
037001	05S-	535	209104754	0425966448	105313	CSM003	FILE	2	5S -28/93 SOL PLAN
037002	03S-	500	209112660	0425975024	113109	CSM003	FILE	2	-28/93 SOL PLANUM
037040	178-	430	209115731	0425981376	121503	CSM003	FILE	2	IRTM GLOBAL BOX
037003	03S-	400	209122757	0425987872	123106	CSM003	FILE	2	-28/93 SOL PLANUM
037004	07S-	300	209132755	0426000736	133006	CSM003	FILE	2	-28/93 SOL PLANUM
037041	280-	230	209135742	0426007104	142601	CSM003	FILE	2	SOUTHERN LAT ATMOS
037005	16S-	200	209142757	0426013584	144423	CSM003	FILE	2	-28/93 SOL PLANUM
037080	068-	43	209154438	0426030016	155144	CSM003	FILE	2	6B REG F SYS MAP
037081	02S-	34	209155352	0426032016	155542	CSM003	FILE	2	CONNECT SYS MAP
037082	078-	30	209155737	0426032600	160520	CSM003	FILE	2	MID H SYS MAP
037083	120-	20	209160737	0426034444	161824	CSM003	FILE	2	END H SYS MAP + EXT
037001F	2-	9	209161858	0426037376	162007	CSM003	FILE	2	LANDER CBL R/G + EX
037042	07S-	7	209162041	0426037744	162823	CSM003	FILE	2	IRTM SYS MAP + EXT
037043	118-	1	209162658	0426039088	163801	CSM003	FILE	2	IRTM SYS MAP + EXT
037011F	10-	9	209163805	0426041472	164015	CSM003	FILE	2	B1 SITE NE. + EXTRA
037041F	124	11	209164014	0426041952	164114	CSM003	FILE	2	B1 SITE E. + EXTRA
037021	SLF+	12	209164114	0426042160	164606	CSM003	FILE	2	RT AT 037041F

TAPE NO. CSM004 REV 38-43 6 FILES

038001	058-	600	210112908	0426283840	113419	CSM004	FILE	1	-5/104 N. LABYR
038002	048-	500	210120508	0426291552	120511	CSM004	FILE	1	-5/104 N. LABYR
038003	028-	400	210130510	0426304416	130712	CSM004	FILE	1	-5/104 N. LABYR
038004	028-	300	210135708	0426315552	135910	CSM004	FILE	1	-5/104 N. LABYR
038005	168-	200	210150509	0426330128	152136	CSM004	FILE	1	-5/104 N. LABYR
038006	308-	100	210153448	0426336480	160503	CSM004	FILE	1	30HT THARSIS
038007	068-	40	210162150	0426346560	163012	CSM004	FILE	1	EB REC 1 SYS MAP
038008	028-	30	210163008	0426348331	163440	CSM004	FILE	1	CONNECT SYS MAP
038009	078-	20	210163449	0426349344	164341	CSM004	FILE	1	78 MCL 1 SYS MAP
038010	058-	10	210164346	0426351295	165003	CSM004	FILE	1	END 1 SYS MAP
038011	098-	10	210165050	0426352763	170003	CSM004	FILE	1	9S -17M SYS MAP
038012	003-	3	210170100	0426354939	170400	CSM004	FILE	1	SLEW TO LANDER VERT
038013	018-	0	210170405	0426355616	170411	CSM004	FILE	1	LANDER VERTICAL
038014	068+	3	210170415	0426356559	171411	CSM004	FILE	1	IRTP SYS MAP
038015	064	10	210171414	0426357787	171802	CSM004	FILE	1	SLEW TO B1
038016	224	10	210171807	0426358624	171942	CSM004	FILE	1	B1 SITE EAST
039001	053-	400	211134200	0426620664	134753	CSM004	FILE	2	5S SOUTH SPOT
039002	2-	350	211135213	0426623072	135228	CSM004	FILE	2	ARSIA MCNS
039003	48-	325	211141700	0426628368	142117	CSM004	FILE	2	4S SOUTH SPOT
039004	2-	223	211151502	0426641696	151913	CSM004	FILE	2	ARSIA MCNS
039005	2-	155	211154207	0426646624	154215	CSM004	FILE	2	ARSIA MCNS
039006	168-	150	211154300	0426646800	160003	CSM004	FILE	2	16PL S SPOT
039007	543-	142	211160100	0426650667	164200	CSM004	FILE	2	FP-22/100 TO-10/122
039008	04-	55	211164204	0426655467	164227	CSM004	FILE	2	ARSIA MCNS
039009	048-	55	211164231	0426655563	164650	CSM004	FILE	2	4S S SPLT
039010	526-	36	211170538	0426664512	173243	CSM004	FILE	2	FP-36/140 TO 21/49
039011	2-	5	211173245	0426670320	173341	CSM004	FILE	2	LANDER CBL R/P
039012	55-	7	211173346	0426670544	174311	CSM004	FILE	2	9M SYS MAP
039013	507+	3	211174440	0426672880	175127	CSM004	FILE	2	FP 35/34 TO .5/83
039014	503+	10	211175131	0426674362	175303	CSM004	FILE	2	SL 30/596 TO 52/3
039015	084	10	211175511	0426675136	175542	CSM004	FILE	2	B1 STERLO
039016	250+1110		212044149	0426813696	050342	CSM004	FILE	2	NITE AIRPOS MAP
039017	250+1115		212050646	0426819040	053101	CSM004	FILE	2	NITE AIRPOS MAP
040001	068-	600	212121837	0426911584	122815	CSM004	FILE	3	TR CLCUL-ICE ARGYRE
040002	06-	500	212131302	0426923242	132016	CSM004	FILE	3	SURVEY VICLET #1
040003	078-	458	212132021	0426924811	132103	CSM004	FILE	3	SURVEY VICLET #2
040004	08-	436	212132110	0426924967	132313	CSM004	FILE	3	SURVEY VICLET #3
040005	08-	455	212132320	0426925451	132418	CSM004	FILE	3	SURVEY VICLET #4
040006	06-	404	212132423	0426925875	132502	CSM004	FILE	3	SURVEY VICLET #5
040007	07-	402	212132557	0426926011	132713	CSM004	FILE	3	SURVEY GREEN #4
040008	08-	450	212132717	0426926299	132803	CSM004	FILE	3	SURVEY GREEN #3
040009	07-	449	212132838	0426926587	133014	CSM004	FILE	3	SURVEY GREEN #2
040010	06-	448	212133039	0426927019	133146	CSM004	FILE	3	SURVEY REC #1
040011	08-	446	212133151	0426927275	133304	CSM004	FILE	3	SURVEY REC #2
040012	08-	444	212133301	0426927744	133403	CSM004	FILE	3	SURVEY REC #3
040013	08-	442	212133531	0426928064	133613	CSM004	FILE	3	SURVEY REC #4
040014	08-	442	212133700	0426928384	134000	CSM004	FILE	3	SURVEY REC #5
040015	211-	440	212133986	0426928832	140313	CSM004	FILE	3	SOUTH 1/2 10 ARGYRE
040016	168-	415	212140338	0426934088	142527	CSM004	FILE	3	NORTH 1/2 10
040017	051-	340	212144833	0426943712	145819	CSM004	FILE	3	9HT ARGYRE
040018	138-	220	212154434	0426955576	160318	CSM004	FILE	3	13HT CLCUL-ICE
040019	168-	200	212161835	0426963008	163748	CSM004	FILE	3	16PL FP 10/120
040020	368-	100	212164836	0426965440	172751	CSM004	FILE	3	3ETP LEASE MAPPING
040021	098-	42	212173557	0426975504	174219	CSM004	FILE	3	IRTP OFF-AXIS RESP
040022	138-	30	212174056	0426982368	180201	CSM004	FILE	3	OFF-AXIS RESPONSE 2

TAPE NO. CSM004 REV 38-43 6 FILES (CONT)

041040	08F-1135	213071520	0427155168	072311	CSM004	FILE	4	H1 ELEV DIUR #1
041021	S17- 925	213090253	0427178208	091954	CSM004	FILE	4	OFF PL (FCR 41041
041041	08E- 535	213092020	0427181952	092811	CSM004	FILE	4	B E
041080	02F- 902	213095311	0427186960	095555	CSM004	FILE	4	HEADER
041081	02F- 832	213102312	0427195392	102556	CSM004	FILE	4	FROST PATCH CHASMA
041042	06E- 735	213112024	0427207648	112815	CSM004	FILE	4	H1 ELEV #3
041043	06E- 635	213122016	0427220512	122817	CSM004	FILE	4	H1 ELEV #4
041044	06E- 530	213132523	0427234464	133315	CSM004	FILE	4	H1 ELEV #5
041001	06S- 500	213135534	0427240928	140150	CSM004	FILE	4	-15/105 SYRIA PLA
041045	07E- 430	213142525	0427247296	143316	CSM004	FILE	4	H1 ELEV DIUR #6
041002	06S- 400	213145544	0427253792	150152	CSM004	FILE	4	-15/105 FP
041026	S02- 355	213150003	0427259740	150148	CSM004	FILE	4	FIX POINT -18/135
041046	06E- 340	213151527	0427258016	152318	CSM004	FILE	4	H1 ELEV DIUR #7
041023	S03- 305	213154634	0427264710	154912	CSM004	FILE	4	FIX POINT -25/117
041082	02I- 308	213154912	0427265280	155156	CSM004	FILE	4	NOCTUR A+ 4
041015F	06- 304	213155143	0427265824	155214	CSM004	FILE	4	NOCTIS LACUS V
041025F	06- 302	213155219	0427265940	155447	CSM004	FILE	4	NOCTIS LACUS R
041003	04S- 300	213155446	0427266704	155949	CSM004	FILE	4	-15/105
041022	S03- 258	213160000	0427267590	160251	CSM004	FILE	4	SLEW OFF PL
041083	02I- 208	213164914	0427278144	165158	CSM004	FILE	4	THARSIS
041035F	20- 204	213165145	0427278888	165538	CSM004	FILE	4	THARSIS R
041004	16S- 200	213165543	0427279536	171210	CSM004	FILE	4	-15/105 16L
041047	06E- 140	213171522	0427283744	172313	CSM004	FILE	4	H1 ELEV DIUR #8
041005	27E- 130	213172516	0427285867	175540	CSM004	FILE	4	24TH DENSE MAP
041060F	09- 100	213175540	0427292384	175652	CSM004	FILE	4	OLYMPUS MONS
041070F	09- 58	213175700	0427292608	175813	CSM004	FILE	4	ASCRAEUS MONS
041080F	09- 56	213175822	0427292950	180019	CSM004	FILE	4	NOCTIS LACUS
041048	15E- 47	213180013	0427293355	182358	CSM004	FILE	4	ALL LAT DIUR #1
041049	05E- 31	213182359	0427296460	183715	CSM004	FILE	4	H1 ELEV DIUR #9
041050	06E- 18	213183721	0427301312	184559	CSM004	FILE	4	ALL LAT DIUR 2
041024	S05- 10	213184604	0427303175	185122	CSM004	FILE	4	DRIFTING EAST
041051	07E- 3	213185135	0427304347	190001	CSM004	FILE	4	ALL LAT DIUR #3
041025	S06+ 5	213190006	0427306187	190613	CSM004	FILE	4	SLEWING SOUTH EAST
041052	04E- 10	213190618	0427307515	191250	CSM004	FILE	4	ALL LAT DIUR #4
041053	06E+1120	214061520	0427450840	062441	CSM004	FILE	4	ALL LAT DIUR 6AP
041054	09E+1130	214062520	0427453024	063441	CSM004	FILE	4	ALL LAT DI. CONSTST
042001	06E- 500	214143143	0427557248	144028	CSM004	FILE	5	NORTH SPOT
042002	06E- 400	214150145	0427570112	154030	CSM004	FILE	5	NORTH SPOT
042004	16E- 155	214173644	0427596896	175557	CSM004	FILE	5	16E N SPOT
042005	25E- 125	214175645	0427601184	182756	CSM004	FILE	5	30E PERSE COV
042040	02S- 25	214190607	0427616048	190819	CSM004	FILE	5	EMISSION PHASE FUNC
042041	02S- 22	214190908	0427616688	191158	CSM004	FILE	5	EMISSION PHASE FUNC
042042	02S- 15	214191705	0427618400	191957	CSM004	FILE	5	EMISSION PHASE FUNC
042043	02S- 10	214192134	0427619360	192358	CSM004	FILE	5	EMISSION PHASE FUNC
042044	02S- 8	214192348	0427619940	192528	CSM004	FILE	5	EMISSION PHASE FUNC
042045	02S- 4	214192822	0427620816	193001	CSM004	FILE	5	EMISSION PHASE FUNC
042046	02S- 2	214193018	0427621232	193158	CSM004	FILE	5	EMISSION PHASE FUNC
042047	02S+ 1	214193313	0427621456	193423	CSM004	FILE	5	EMISSION PHASE FUNC
042048	02S+ 3	214193509	0427622272	193649	CSM004	FILE	5	EMISSION PHASE FUNC
042049	02S+ 5	214193724	0427622752	193913	CSM004	FILE	5	EMISSION PHASE FUNC
042050	02S+ 7	214193943	0427623248	194122	CSM004	FILE	5	EMISSION PHASE FUNC
042051	02S+ 10	214194211	0427623776	194350	CSM004	FILE	5	EMISSION PHASE FUNC
042052	02S+ 13	214194523	0427624464	194753	CSM004	FILE	5	EMISSION PHASE FUNC
043001	06E- 500	215150801	0427873600	151658	CSM004	FILE	6	-50/70 FP
043002	06E- 400	215160803	0427886464	161659	CSM004	FILE	6	-50/70 FP
043003	06E- 300	215170805	0427899328	171641	CSM004	FILE	6	-50/70 FP
043004	16E- 200	215180807	0427912192	182552	CSM004	FILE	6	16E -50/70
043005	30E- 150	215185808	0427916624	190149	CSM004	FILE	6	30E PERSE COV
043001F	12+ 13	215202025	0427940544	202115	CSM004	FILE	6	VIS

TAPE NO. CSM005 REV 44-55 12 FILES

044020 S20- 101 216194557 042824172F 200647 CSM005 FILE 1 -35/149 TC -16/94
 044021 S02- 20 216200808 04282464AC 200925 CSM005 FILE 1 -3/89 TC -24/94
 044041F 28- 8 216200857 042825308F 204059 CSM005 FILE 1 SYS MAPPING 19N

045001 20F- 600 217132510 0428468704 134217 CSM005 FILE 2 20 TB ILL DISK
 045002 24F- 600 217152514 0428454432 154333 CSM005 FILE 2 24 TB ILL DISK
 045003 18F- 500 217162516 0428507296 164111 CSM005 FILE 2 18TB DENSE AREA COV
 045004 08F- 425 217170031 042851484F 170536 CSM005 FILE 2 5S 10/23 FI
 045005 20F- 400 217172509 042852012F 173805 CSM005 FILE 2 20F DENSE AREA COV
 045006 16F- 300 217182511 0428532592 184022 CSM005 FILE 2 16F DENSE AREA COV
 045007 16F- 145 217194031 0428545136 195658 CSM005 FILE 2 16L 10/23
 045008 31F- 127 217195755 0428552864 203128 CSM005 FILE 2 30TP DENSE AREA COV
 045009 20F- 55 217200216 0428560224 205329 CSM005 FILE 2 20F DENSE AREA COV
 045010 20F- 50 217205516 0428565152 211531 CSM005 FILE 2 20L DENSE COV
 045011 10S- 8 217211731 0428565920 212737 CSM005 FILE 2 10S 4S JFF
 045040 10F+102F 218075314 0428706144 080011 CSM005 FILE 2 WHOLE DISK DIUR #1

045041 10F+112F 218085409 0428715200 090255 CSM005 FILE 2 WHOLE DISK DIUR #2

046040 10F-120F 218095514 042873228F 100511 CSM005 FILE 3 WHOLE DISK DIUR #3
 046041 10F-110F 218105712 042874556F 110709 CSM005 FILE 3 WHOLE DISK DIUR #4
 046042 10F-100F 218115817 042875865F 120814 CSM005 FILE 3 WHOLE DISK DIUR #5
 046043 10F- 90 218130015 0428771536 131048 CSM005 FILE 3 WHOLE DISK DIUR #6
 046044 10F- 80 218140120 0428785024 141153 CSM005 FILE 3 WHOLE DISK DIUR #7
 046045 10F- 70 218150316 0428798304 151427 CSM005 FILE 3 WHOLE DISK DIUR #8
 046046 10F- 55 218160414 0428811360 161539 CSM005 FILE 3 WHOLE DISK DIUR #9
 046047 14F- 45 218170416 0428824224 171536 CSM005 FILE 3 WHOLE DISK DIUR #10
 046048 15F- 35 218180418 042883708F 181730 CSM005 FILE 3 WHOLE DISK DIUR #11
 046049 15F- 30 218190317 042884972F 191837 CSM005 FILE 3 WHOLE DISK DIUR #12A
 046050 10F- 24 218192019 0428853376 193127 CSM005 FILE 3 WHOLE DISK DIUR #12B
 046051 34F- 20 218195721 0428861312 203111 CSM005 FILE 3 WHOLE DISK DIUR #13
 046011F 10- 40 218212312 0428875712 212432 CSM005 FILE 3 CANY SYS MAP 2 LEGS
 046041F 2F- 8 218215515 0428886592 215714 CSM005 FILE 3 SYS MAPPING 19 BEGN
 046071F 2 0 218220238 0428888160 220246 CSM005 FILE 3 VL 1 LANDER

047041 03F- 55F 219164118 0429127872 164422 CSM005 FILE 4 OFF PLANET
 047080 02F- 40 219215836 0429155872 220102 CSM005 FILE 4 HEADER
 047081 02F- 8 219223053 0429202784 223448 CSM005 FILE 4 FLER + EXTRA

048080 02F- 40 220223626 0429512544 223800 CSM005 FILE 5 HEADER
 048011F 10- 40 220223656 042951308F 224018 CSM005 FILE 5 CANY SYS MAP 8S
 048081 02F- 5 220230703 0429515104 230527 CSM005 FILE 5 HEADER
 048041F 2- 5 220230524 0429515648 230544 CSM005 FILE 5 VL1 RFD-BLUE OPL
 048051F 14- 8 220231113 0429520000 231311 CSM005 FILE 5 MAP SYS 19N

049080 02F- 42 221231205 0429828767 231433 CSM005 FILE 6 HEADER
 049031F 10- 42 221231440 0429829312 231602 CSM005 FILE 6 CANY SYS MAP 8S

050000 01F- 42 222234930 0430145344 235104 CSM005 FILE 7 HEADER
 050081 02F- 8 223002342 0430152672 002606 CSM005 FILE 7 HEADER
 050041F 2F- 8 223002614 0430153216 002740 CSM005 FILE 7 SYS MAP

TAPE NO. CSM005 REV 44-55 12 FILES (CONT)

051080	02H-	902	223160917	0430355296	161153	CSM005	FILE 8	HEADER R-V PAIR
051001	14H-	200	223171124	043036860F	172607	CSM005	FILE 8	14 TB IL
051002	18H-	600	22319112F	0430394336	192919	CSM005	FILE 8	18 TB IL
051003	18H-	500	223201130	0430407201	202957	CSM005	FILE 8	18TB FLASE AREA COV
051004	05S-	425	223204644	0430414752	205149	CSM005	FILE 8	5S 10/83 FP
051005	20H-	400	223211123	0430420032	213128	CSM005	FILE 8	DENSE AREA COV
051006	15H-	300	223221125	0430432896	222654	CSM005	FILE 8	DENSE AREA COV
051008	26H-	150	223232127	0430447504	235253	CSM005	FILE 8	50 TB DENAREA 1+2
051009	20H-	55	224001624	0430459680	003710	CSM005	FILE 8	DENSE AREA COV
051010	20H-	30	224004130	0430465056	010117	CSM005	FILE 8	20H DEN AREA COV
051040	16S-	1	224010117	0430469296	012850	CSM005	FILE 8	SYS MAP+41+4162CN
051041	06S	9	224012046	0430473472	012850	CSM005	FILE 8	SYS MAP
051012	10S+1204		224131144	0430625824	132552	CSM005	FILE 8	10S HELLAS
052040	12H-	1100	224144831	0430646560	150126	CSM005	FILE 9	HI ALT PREDAWN
052041	18H-	600	224174837	0430685152	180654	CSM005	FILE 9	HI ALT POST DAWN
052042	13H-	330	224221836	0430743008	223151	CSM005	FILE 9	WHOLE DISK
052043	14H-	200	224234830	0430762272	000303	CSM005	FILE 9	SOUTH POLAR
052001	22H-	140	225000831	0430760560	003809	CSM005	FILE 9	22S SOUTH POLAR1+2
052001F	26-	104	225004353	0430774144	004546	CSM005	FILE 9	THARSIS SHIELDS
052044	08H-	40	225010833	0430779424	011753	CSM005	FILE 9	SPEC TARGET 35/40
052031F	20-	8	225015957	0430786155	020503	CSM005	FILE 9	SYS MAP -22N +20MIN
053002	6S-	540	225204553	0431031712	205358	CSM005	FILE 10	6S -35/75
053003	6S-	481	225215452	0431042208	214056	CSM005	FILE 10	6S -35/75
053006	10H-	430	225215520	0431046624	220449	CSM005	FILE 10	10H DUK 10/83
053004	6S-	400	225222552	0431053136	223156	CSM005	FILE 10	6S -35/75
053005	18S-	222	226000327	0431074048	002213	CSM005	FILE 10	18BL -35/75
053040	20H-	202	226002326	0431078336	004856	CSM005	FILE 10	WHOLE DISK
053031F	4S-	135	226005002	0431084027	011602	CSM005	FILE 10	SC POLAR CAP SP1-7+
053041	20H-	103	226012227	0431090576	014345	CSM005	FILE 10	GLOPAL ALBEDO #1
053042	20H-	40	226014527	0431095504	020515	CSM005	FILE 10	GLOPAL ALBEDO #2
053043	6S-	1	226022220	0431103808	023056	CSM005	FILE 10	SYS MAP
053044	6S+	8	226023153	0431105856	024039	CSM005	FILE 10	SYS MAP
054020	02H-	900	226180009	0431304768	180253	CSM005	FILE 11	2H LANDER R/V + VIS
054041	02H-	442	226182009	0431309056	182254	CSM005	FILE 11	LANDER R/V + VIS
054005F	2-	826	226184242	0431313888	184255	CSM005	FILE 11	LANDER
054001	10S-	300	227000235	0431322448	001303	CSM005	FILE 11	10S -45/1 DAWN
054002	08H-	240	227003218	0431326800	004215	CSM005	FILE 11	-45/1 DAWN +1/2HR
054040	07H-	208	227005424	0431353536	010150	CSM005	FILE 11	SUNRISE BCX #1
054003	06H-	200	227010219	0431355232	010805	CSM005	FILE 11	6S -45/1 DAWN +1H
054041	05H-	132	227012023	0431359104	012517	CSM005	FILE 11	SUNRISE BCX #2
054042	12H-	128	227013407	0431402048	014652	CSM005	FILE 11	SUNRISE BCX #3
054004	16H-	115	227014716	0431404864	022825	CSM005	FILE 11	35F CANYON PT 1+2
054011F	25-	8	227025418	0431415232	025625	CSM005	FILE 11	SYS MAP
054043	06S+	8	227030839	0431422304	031550	CSM005	FILE 11	B1 RT SIDE COV
055000	60S-	415	227183918	043162172F	193520	CSM005	FILE 12	DIFFUSER OPS 60L
055001	21H-	150	228014838	0431715728	021022	CSM005	FILE 12	DENSE AREA MAP
055031F	2-	36	228021117	0431718592	021156	CSM005	FILE 12	PHOCOS-STARS
055001F	20-	50	228025419	043172780F	025650	CSM005	FILE 12	SYS MAP THARSIS
055042	08S+	5	228034417	0431736512	035220	CSM005	FILE 12	B1 REGION MAPPING

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056040	081-1200	220161530	0431899488	162240	CSM006	FILE	1	MAKS GLOBAL
056041	100-1100	228171532	0431912352	172529	CSM006	FILE	1	GLOBAL
056042	100-1000	228161525	0431925184	182522	CSM006	FILE	1	GLOBAL
056001	100- 500	228221533	0431976640	222606	CSM006	FILE	1	CIUR 10/83
056002	100- 520	228225525	0431985184	230556	CSM006	FILE	1	CIUR 10/83
056003	100- 430	228234527	0431995904	235542	CSM006	FILE	1	CIUR 10/83
056004	080- 350	229002528	0432000480	003226	CSM006	FILE	1	CIUR 10/83
056043	100- 240	229014531	0432021632	020050	CSM006	FILE	1	SOUTH POLAR
056080	020- 132	229024316	0432034016	025621	CSM006	FILE	1	SC HEM MAP 1+2+3+4
056005	080- 115	229025636	0432036864	030256	CSM006	FILE	1	GE 10/83 DIURNAL
056010	500- 110	229030300	0432038235	030858	CSM006	FILE	1	CLOSE TO 10/83
056045	080- 5	229042049	0432054512	042715	CSM006	FILE	1	R1 REGION MAPPING
056046	115+ 324	229073948	0432097552	075040	CSM006	FILE	1	CEIMOS AT 3600 KM
057040	100- 900	229195146	0432254400	200143	CSM006	FILE	2	GLOBAL
057041	100- 800	229205148	0432267264	210220	CSM006	FILE	2	GLOBAL
057001	080- 218	230029346	0432340544	024213	CSM006	FILE	2	DIURNAL 0/135
057002	080- 205	230024646	0432343328	025551	CSM006	FILE	2	CIUR 0/135
057003	090- 140	230031151	0432348704	032112	CSM006	FILE	2	CIUR 0/135
057001F	28- 130	230032209	0432350512	032411	CSM006	FILE	2	S. HEM MAP 5
057004	090- 115	230033647	0432354048	034644	CSM006	FILE	2	CIUR 0/135
057005	090- 50	230040108	0432359264	041029	CSM006	FILE	2	CIUR 0/135
057031F	10- 40	230041201	0432361600	041318	CSM006	FILE	2	IUS CHASMA
057010	S14- 35	230041554	0432362427	045649	CSM006	FILE	2	FR CHASMA TO NT 60L
057042	080+ 5	230045650	0432371200	050517	CSM006	FILE	2	NORTH OF 60 DEG LAT
057051F	03+ 45	230054213	0432380928	054223	CSM006	FILE	2	PHOPOS COLOR
058041	100- 700	230222759	0432596448	223632	CSM006	FILE	3	GLOBAL
058080	020- 602	230232547	0432608832	232811	CSM006	FILE	3	MELAS CHASMA
058001F	2- 600	230232019	0432609376	232828	CSM006	FILE	3	MELAS CHASMA
058042	110- 58	230232958	0432609728	234106	CSM006	FILE	3	GLOBAL
058011F	2- 450	231001820	0432620096	001850	CSM006	FILE	3	ACRAELUS MONS
058001	090- 400	231002754	0432622144	003715	CSM006	FILE	3	FP NORTH SPOT
058021F	2- 430	231004000	0432624768	004018	CSM006	FILE	3	ACRAELUS MONS
058031F	2- 300	231022824	0432647968	022834	CSM006	FILE	3	MELAS CHASMA
058043	150- 230	231025759	0432654304	031341	CSM006	FILE	3	SOUTH POLAR
058002	050- 140	231034801	0432665024	035722	CSM006	FILE	3	FP NORTH SPOT
058041F	06- 130	231035836	0432667296	035904	CSM006	FILE	3	ACRAELUS MONS
058081	020- 47	231044052	0432676352	044317	CSM006	FILE	3	VALLAS PARINERAS
058061F	04- 45	231044324	0432676896	044540	CSM006	FILE	3	VALLAS PARINERIS
058044	080- 7	231052121	0432685024	052950	CSM006	FILE	3	SYS MAP
058045	080+ 4	231053157	0432687312	054002	CSM006	FILE	3	SYS MAP
059040	070-1100	231190401	0432861312	191144	CSM006	FILE	4	VOI-11 VLC-1 CORREL
059042	070- 900	231210356	0432887008	211159	CSM006	FILE	4	VOI-2 VLC-1 CORREL
059001F	2- 202	231211244	0432888896	211254	CSM006	FILE	4	LANDER NET EXP
059043	070- 200	231211423	0432889248	212121	CSM006	FILE	4	VOI-2 VLC-1 CORREL
059003F	2- 730	231223425	0432906400	223455	CSM006	FILE	4	LANDER NET EXP
059001	080- 600	232000402	0432925600	001229	CSM006	FILE	4	-30/60
059002	080- 510	2320003403	0432936320	010251	CSM006	FILE	4	-30/60
059044	130- 500	232010355	0432938432	011803	CSM006	FILE	4	GLOBAL
059003	070- 410	232010356	0432945152	020224	CSM006	FILE	4	-30/60
059045	140- 400	232020357	0432951296	021804	CSM006	FILE	4	GLOBAL
059004	070- 310	232020358	0432962016	030058	CSM006	FILE	4	-30/60
059005	160- 200	232040401	0432977024	042152	CSM006	FILE	4	16HL -30/60
059006	480- 140	232042401	0432981312	051417	CSM006	FILE	4	TH 0-15 110-80FT1+2
059008	020- 43	232052113	0432993568	052357	CSM006	FILE	4	IUS CHASMA
059011F	10- 40	232052345	0432994112	052506	CSM006	FILE	4	IUS CHASMA

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060080	02F-	804	232223539	0433215232	223803	CSM006	FILE	5	HEADER
060001F	01-	801	232223811	0433215778	223816	CSM006	FILE	5	SURVEY S1
060002F	2-	755	232223828	0433215840	223919	CSM006	FILE	5	SURVEY S2 + EXTRA
060004F	2-	758	232223932	0433216064	224022	CSM006	FILE	5	SURVEY S3 + EXTRA
060006F	2-	757	232224035	0433216288	224115	CSM006	FILE	5	SURVEY S4 + EXTRA
060008F	2-	758	232224128	0433216480	224245	CSM006	FILE	5	SURVEY S5 + EXTRA
060010F	2-	755	232224303	0433216816	224414	CSM006	FILE	5	SURVEY S6 + EXTRA
060012F	2-	754	232224423	0433217028	224457	CSM006	FILE	5	SURVEY S7 + EXTRA
060014F	2-	753	232224624	0433217536	224714	CSM006	FILE	5	SURVEY S8 + EXTRA
060016F	01-	752	232224713	0433217712	224830	CSM006	FILE	5	SURVEY S9 + EXTRA
060040	13F-	745	232225446	0433219328	230818	CSM006	FILE	5	ARSIA MONS #1
060041	13F-	800	233003954	0433241856	005325	CSM006	FILE	5	ARSIA MONS #2
060042	13F-	430	233020948	0433261120	022319	CSM006	FILE	5	ARSIA MONS #3
060043	13F-	210	233042903	0433290560	044324	CSM006	FILE	5	ARSIA MONS #4
060021F	04-	200	233044323	0433294032	044546	CSM006	FILE	5	VF21 VARIAN FEATURE
060044	15F-	154	233044551	0433294560	050539	CSM006	FILE	5	GLOBAL
060001	21F-	138	233050851	0433299488	053232	CSM006	FILE	5	TB -15/30 110-80
060031F	2-	5	233063116	0433317152	063304	CSM006	FILE	5	LANDER R/E
060045	08F-	7	233063256	0433317504	064154	CSM006	FILE	5	SYS MAP
060041F	02F+	10	233064157	0433319440	065426	CSM006	FILE	5	R1 NL PT 1+2+3+44
060047	09F+1230		233190953	0433479712	151514	CSM006	FILE	5	MARS GLOBAL
061240	03F-	1000	233211529	0433506624	211833	CSM006	FILE	6	DIFFUSER SEARCH
061000	04F-	945	233213001	0433509736	213501	CSM006	FILE	6	DIFFUSER SEARCH
061001	09F-	430	234025531	0433579488	030509	CSM006	FILE	6	-30/90
061002	09F-	330	234034532	0433590208	035452	CSM006	FILE	6	-30/90
061003	09F-	300	234041533	0433596640	042454	CSM006	FILE	6	-30/90
061004	16F-	205	234051030	0433608416	052737	CSM006	FILE	6	16PL -30/90
061005	40F-	145	234053031	0433612704	054738	CSM006	FILE	6	40HT 15-30 90-60
061040	40F-	103	234061229	0433621696	064921	CSM006	FILE	6	GLOBAL ALBEDO #1+2
061001F	2-	5	234070650	0433633344	070703	CSM006	FILE	6	LANDER R/V
061042	06F-	2	234071301	0433634667	072000	CSM006	FILE	6	SYS MAP
061080	02F+	5	234072119	0433638448	072634	CSM006	FILE	6	R1 EAST PT 1+2
061081	04F+	11	234072825	0433637968	073228	CSM006	FILE	6	POST VIS IRTM FP
061043	10F+1130		234184534	0433783072	165241	CSM006	FILE	6	GLOBAL
062080	02F-	830	234231851	0433841632	232156	CSM006	FILE	7	LANDER HI ALT +VIS
062040	04F-	460	235035105	0433899568	035503	CSM006	FILE	7	ARSIA MONS DAWN #1
062011F	08-	330	235042121	0433900464	042156	CSM006	FILE	7	ARSIA MONS
062041	04F-	328	235042302	0433906816	042701	CSM006	FILE	7	ARSIA MONS DAWN #2
062021F	06-	315	235043619	0433919064	043643	CSM006	FILE	7	ARSIA MONS
062031F	06-	300	235045124	0433912896	045148	CSM006	FILE	7	ARSIA MONS
062042	05F-	258	235045303	0433913248	045849	CSM006	FILE	7	ARSIA MONS DAWN #3
062043	07F-	230	235052059	0433919232	052850	CSM006	FILE	7	ARSIA MONS DAWN #4
062001	24F-	135	235061606	0433931040	064246	CSM006	FILE	7	ARSIA MONS DENS COV
062041F	08-	100	235065119	0433936592	065139	CSM006	FILE	7	ARSIA MONS
062051F	08-	50	235070120	0433940736	070139	CSM006	FILE	7	ARSIA MONS
062044	06F-	47	235070401	0433941312	072032	CSM006	FILE	7	ARSIA MONS #5
062001F	11-	25	235072214	0433945216	072307	CSM006	FILE	7	LABYRINTH STEREO 2
062031	S17-	26	235072532	0433945520	074226	CSM006	FILE	7	FP -13/51 TO 22/45
062032	S09-	5	235074229	0433949552	074832	CSM006	FILE	7	SLEW 22/47 1031/51
062033	S05-	2	235074836	0433950864	075332	CSM006	FILE	7	FIX POINT 36/35
062002	08F+	8	235075915	0433953147	080529	CSM006	FILE	7	ES E1

TAPE NO. CSM006 REV 56-64 9 FILES (CONT)

063060	02F-	128	236065516	0434248224	070359	CSM006	FILE 8	S HEMSP MAP 6 +VIS
063001	22F-	120	236070626	0434250400	074658	CSM006	FILE 8	-28-45/90-60 PT1+2
063031F	39-	38	236074707	0434259112	075702	CSM006	FILE 8	CANYON MAPPING
063002	08S-	10	236061642	0434265452	082503	CSM006	FILE 8	A1
063040	10S+	18	236083441	0434269312	084420	CSM006	FILE 8	B1 MAPPING
063041	180+1200		236202625	0434421824	204555	CSM006	FILE 8	NIGHTMIGHT TB
064001	07B-	600	237030133	0434506496	031003	CSM006	FILE 9	10/83
064002	06B-	530	237035134	0434512528	033814	CSM006	FILE 9	10/83
064003	08B-	580	237040135	0434519360	040815	CSM006	FILE 9	10/83
064004	04F-	132	237072936	0434563936	073410	CSM006	FILE 9	10/83
064005	20B-	126	237075432	0434564592	075505	CSM006	FILE 9	-10/45 - 110/80 PT1
064205	18B-	185	237075658	0434569728	081541	CSM006	FILE 9	-10/45 - 110/80 PT2
064001FH27-		32	237082853	0434576640	083323	CSM006	FILE 9	CANYON STEREO #2
064020	S10-	25	237085559	0434578160	084520	CSM006	FILE 9	-4.41/82 - 16/70
064031FH20-		12	237084921	0434581024	085319	CSM006	FILE 9	SYS MAP 23N
064021	S11-	8	237085318	0434581872	090456	CSM006	FILE 9	23/56 TO 27/36
064043	06S+	7	237090855	0434585216	091458	CSM006	FILE 9	SYS MAP

TAPE NO. CSM007 REV 65-74 10 FILES

065040	062-	531	238000633	043477756P	001351	CSM007 FILE	1	PRFDawn GLOBAL
065041	062-	800	238013636	043475686P	014354	CSM007 FILE	1	PRFDawn GLOBAL
065042	062-	500	238043633	043483542P	044442	CSM007 FILE	1	PRFDawn GLOBAL
065043	062-	400	238053635	043484828P	054248	CSM007 FILE	1	PRFDawn GLOBAL
065044	13P-	200	238073639	043487401P	075113	CSM007 FILE	1	SOUTH POLAR
065001	18P-	130	238080640	043488044P	082620	CSM007 FILE	1	18P -25/-45 110/80
065003	17P-	167	238082540	043488537P	084812	CSM007 FILE	1	17P -25/-45 110/80
065001F	27-	25	238090542	043489308P	091021	CSM007 FILE	1	CANYON STEREO #2+EX
065031F	02-	22	238091432	043489499P	091459	CSM007 FILE	1	PHOBOS-STARS +EX
065031	S02-	14	238091600	043489531P	091526	CSM007 FILE	1	-27/3P TO -2/77SLEW
065041FH25-	10		238091932	043489606P	092129	CSM007 FILE	1	SYS MAP 16N +H+EX
065045	08S-	2	238093128	043489862P	095010	CSM007 FILE	1	SYS MAP +EX+PART 2
066040	07P-	700	239031127	043512576P	031501	CSM007 FILE	2	PRFDawn GLOBAL
066041	07P-	601	239041129	043513862P	041502	CSM007 FILE	2	PRFDawn GLOBAL
066001	08P-	500	239051131	043515148P	052146	CSM007 FILE	2	-50/70
066002	06P-	420	239054132	043515792P	054519	CSM007 FILE	2	-50/70
066003	06P-	401	239061124	043516432P	061511	CSM007 FILE	2	-50/70
066004	06P-	300	239071126	043517718P	072047	CSM007 FILE	2	-50/70
066005	16S-	200	239081128	043515004P	082853	CSM007 FILE	2	16BL -50/70
066006	46P-	130	239084129	043515648P	092708	CSM007 FILE	2	40P -10/5" - 50/60
066001FH30-	25		239093521	043520801P	094435	CSM007 FILE	2	CANYON STEREO #2+EX
066031	S09-	27	239094424	043521000P	095341	CSM007 FILE	2	SLEW-5/71 TO-7/77
066031FH25-	5		239095345	043521156P	100305	CSM007 FILE	2	SYS MAP 16 N
066042	08S-	2	239100355	043521414P	101820	CSM007 FILE	2	SYS MAP
066043	08S+	7	239101846	043521732P	102450	CSM007 FILE	2	SYS MAP
067001	10P-	600	240044609	043545462P	045506	CSM007 FILE	3	8P -30/60
067002	07P-	530	240051610	043546105P	052250	CSM007 FILE	3	6P -30/60
067003	07P-	500	240054611	043546748P	055251	CSM007 FILE	3	6P -30/60
067004	06P-	460	240064613	043548035P	065253	CSM007 FILE	3	6P -30/60
067005	06P-	300	240074606	043549318P	075252	CSM007 FILE	3	4P -30/60
067006	59P-	200	240084608	043550604P	090453	CSM007 FILE	3	16BL -30/60
067001F	2P-	130	240094300	043551622P	094550	CSM007 FILE	3	SYS MAP #7
067040	16P-	55	240094525	043551678P	100300	CSM007 FILE	3	GLOBAL ALBEDO #1
067031	S04-	42	240100329	043552262P	100700	CSM007 FILE	3	SLEW -22/66 TO 24/59
067041	02P-	40	240100704	043552339P	102241	CSM007 FILE	3	GLOBAL ALBEDO #2
067031FH30-	10		240100245	043552685P	103557	CSM007 FILE	3	SYS MAP 16N HEADER
068040	31P-	830	241025044	043573846P	032211	CSM007 FILE	4	GLOBAL EX SCAN 1
068041	31P-	701	241042038	043575772P	045205	CSM007 FILE	4	GLOBAL EX SCAN 2
068042	33P-	531	241055041	043577702P	062451	CSM007 FILE	4	GLOBAL EX SCAN 3
068043	27P-	230	241080038	043581558P	091754	CSM007 FILE	4	SOUTH POLAR COV
068001	62P-	130	241095040	043582848P	105449	CSM007 FILE	4	SOUTH HELMIS
069001	16S-	200	242095501	043613795P	101150	CSM007 FILE	5	16BL ARSIA MONS
069020	S10-	20	242112900	043615808P	113853	CSM007 FILE	5	FP SL-30/115 TO 2/72
069080	02P-	15	242113857	043616022P	114125	CSM007 FILE	5	HEADER
069001F	32-	15	242114121	043616076P	114349	CSM007 FILE	5	LUNAE PLANUM
069022	S06-	626	242114348	043616126P	115826	CSM007 FILE	5	FP SL 15/56 TO 37/350
070001	65P-	130	243105915	043646028P	120324	CSM007 FILE	6	SOUTH HELM
070011	S10-	3	243122503	043647672P	123503	CSM007 FILE	6	FPSLEW 7/80 TO 30/26
070060	02P+	8	243123507	043648083P	123756	CSM007 FILE	6	SYS MAP B1 HEADER
070001F	32+	7	243123735	043648137P	124000	CSM007 FILE	6	SYS MAP B-1

TAPE NO. CSM007 REV 65-74 10 FILES (CONT)

071001 99S- 200 244105018 0436788858 124700 CSM007 FILE 7 VOLC FILE STRIP
 071001FF32- 14 244124705 0436791988 125255 CSM007 FILE 7 SYSMAP LUNAEPLANUM

 072001 65E- 100 245120714 0437092000 131124 CSM007 FILE 8 SO FEM
 072020 S10- 5 245133231 0437110272 134253 CSM007 FILE 8 FP 3/40 TC 35/25
 072001FH32+ 7 245134258 0437112512 134750 CSM007 FILE 8 SYS MAP B1
 072040 10S+ 330 245170733 0437156452 171815 CSM007 FILE 8 DEIMOS GOOD LUCK

 073001 26E- 500 246091058 0437362800 093743 CSM007 FILE 9 -30 DIURNAL
 073003 17E- 300 246111059 0437360512 112841 CSM007 FILE 9 -30 DIURNAL
 073000 2E 246135447 0437423616 135711 CSM007 FILE 9
 073001FH32- 25 246134535 0437421642 140200 CSM007 FILE 9 SM LUNAEPLANUM+H+EX
 073004 06E 0 246141102 0437427088 141734 CSM007 FILE 9 15E H1

 074001 65E- 100 247131429 0437723552 141838 CSM007 FILE10 65E S. HEMISPHERE
 074000 02E- 16 247142820 0437739376 142040 CSM007 FILE10 SYS MAP LUNAE PLA.
 074001F 32- 14 247143047 0437739904 143314 CSM007 FILE10 SYS MAP LUNAE PLA.

TAPE NO. CSM008 REV 79-85 7 FILES

079001	10P-	600	252112901	0439243808	113952	CSM008	FILE	1	2GB ILL MEM. PART 1
079201	15P-	545	252114406	0439247040	115907	CSM008	FILE	1	2GB ILL MEM. PART2
079001F	04-	525	252120022	043925052F	120036	CSM008	FILE	1	PEDESTAL CALIB
079080	03P-	502	252122657	0439256224	122922	CSM008	FILE	1	SOUTH POLAR #1
079011F	06-	500	252122929	043925676F	122953	CSM008	FILE	1	SOUTH POLAR #1
079021F	04-	455	252123425	0439257824	123448	CSM008	FILE	1	SOUTH POLAR #2
079002	23P-	400	252132905	0439269536	135210	CSM008	FILE	1	2GB ILL DISK
079003	14P-	200	252152909	04392695264	154352	CSM008	FILE	1	20 DAWN STRIP
079004	17P-	100	252162902	0439308096	164907	CSM008	FILE	1	10-20 N. PT #1
079081	03P-	36	252165247	0439313184	170511	CSM008	FILE	1	HEADER SYS MAP
079031F	30-	22	25217051F	0439315872	171055	CSM008	FILE	1	SYS MAP
079061F	32-	18	252171059	043931708F	171957	CSM008	FILE	1	SYS MAP
079005	08P	0	252172903	0439320960	173704	CSM008	FILE	1	8B N POLAR PT1
079006	06P	5	252173904	0439323104	174517	CSM008	FILE	1	10B N POLAR PT 2
080040	05P-	800	253100132	0439533632	100606	CSM008	FILE	2	4B KASEI VALLIS PD
080001	17P-	200	253160134	0439610784	161841	CSM008	FILE	2	DAWN STRIP (5) PT1
080201	17P-	142	253161929	0439614624	163636	CSM008	FILE	2	DAWN STRIP (5) PT2
080002	11P-	50	253171136	0439625792	172227	CSM008	FILE	2	10-20 N PT 2
080041	02P-	35	253172632	0439628592	173406	CSM008	FILE	2	KASEI VALLIS NOON
080001F	30-	22	253173820	0439631520	174455	CSM008	FILE	2	SYS MAP
080031F	32-	12	253174753	043963356F	175013	CSM008	FILE	2	SYS MAP
080003	07P	0	253180129	0439636480	180822	CSM008	FILE	2	N POLAR PT 2-A
080004	06P4	5	253181129	0439638624	181702	CSM008	FILE	2	N POLAR PT 2-B
081040	39P-	547	254124652	0439877632	132529	CSM008	FILE	3	WHOLE DISK DIURN 1A
081041	16P-	352	254144151	0439902272	145710	CSM008	FILE	3	WHOLE DISK DIURN 2
081042	36P-	217	254161649	0439922624	165227	CSM008	FILE	3	WHOLE DISK DIURN C
081080	35P-	135	254165847	0439931616	173349	CSM008	FILE	3	ILL DISK
081001	11P-	45	254174849	0439942336	175957	CSM008	FILE	3	10-20 PART 3
081081	02P-	25	254180814	0439946496	181058	CSM008	FILE	3	HEADER
081001F	30-	22	254181045	0439947040	181256	CSM008	FILE	3	SYS MAP
081002	10P	0	254183355	0439952000	184302	CSM008	FILE	3	N POLAR PART 3A
081003	06P+	5	254184346	0439954112	185157	CSM008	FILE	3	N POLAR PART 3B
081043	14P+	15	254185346	0439956256	190759	CSM008	FILE	3	LATE EVEN DIURNAL
083040	11P-	552	256132549	0440477408	113658	CSM008	FILE	4	WHOLE DISK DIURN 2A
083041	16P-	352	256130646	0440499040	132205	CSM008	FILE	4	WHOLE DISK DIURN 2B
083001	33P-	251	256140648	0440511904	143927	CSM008	FILE	4	30 B 1H
083042	36P-	217	256144145	0440519392	151723	CSM008	FILE	4	WHOLE DISK DIURN C
083080	31P-	138	256152043	0440527744	155844	CSM008	FILE	4	ILL DISK
083043	07P-	36	256162242	0440541024	162959	CSM008	FILE	4	CAPRI REGION MAP
083001F	24-	27	256163103	0440542816	163247	CSM008	FILE	4	CHANNEL SOURCE
083031F	24-	24	256163420	0440543520	163604	CSM008	FILE	4	SOURCE AREA CHANNEL
083003	19P-	20	256164746	0440544256	165659	CSM008	FILE	4	15S NP 30W
083004	14P	0	256165841	0440548736	171213	CSM008	FILE	4	15B NP MAP
083044	14P+	15	256171242	0440553024	173254	CSM008	FILE	4	LATE EVEN DIURNAL

TAPE NO. CSM008 REV 79-85 7 FILES (CONT)

084040	39F-	546	257090434	0440755712	094311	CSM008	FILE	5	WHOLE DISK DIUR 1A
084041	15F-	351	257105933	0440780352	111453	CSM008	FILE	5	WHOLE DISK DIUR B
084001	33F-	251	257115935	0440793216	123214	CSM008	FILE	5	30F IF
084042	36F-	216	257123432	0440800704	131010	CSM008	FILE	5	WHOLE DISK DIUR C
084001FH60-		135	257131600	0440809524	132737	CSM008	FILE	5	S PERIS MAP 84-1+2+
084081	24F-	119	257133135	0440812928	135623	CSM008	FILE	5	ILL DISK 1
084281	19F-	52	257135734	0440818496	141653	CSM008	FILE	5	ILL DISK 2
084044	05F-	31	257141931	0440823200	142640	CSM008	FILE	5	WHITE ROCKS+VIS 61F
084003	17F-	24	257142641	0440824736	144348	CSM008	FILE	5	15S NP 230W
084071FH14-		1	257145017	0440829792	145348	CSM008	FILE	5	FRETTS NILOSURTIS+H
084004	15F+	3	257145436	0440830720	150908	CSM008	FILE	5	15P NP MAP
084043	14F+	20	257151129	0440834336	152541	CSM008	FILE	5	LATE EVEN DIURN
085040	11F-	532	258071124	0441040032	072252	CSM008	FILE	6	WHOLE DISK DIURN 2A
085001FH36-		501	258074210	0441046624	075505	CSM008	FILE	6	SURVEY V1-4 4R4
085041	15F-	351	258085221	0441061664	090740	CSM008	FILE	6	WHOLE DISK DIURN B
085001	31F-	251	258095223	0441074528	102350	CSM008	FILE	6	30P 1H30B 1H30E 1H
085042	35F-	216	258102715	0441082016	110257	CSM008	FILE	6	WHOLE DISK DIURN C
085043	12F-	134	258110926	0441091040	112146	CSM008	FILE	7	HELLAS NOON
085081	23F-	115	258112422	0441094240	114752	CSM008	FILE	7	ILL DISK PT 1
085201	14F-	34	258114927	0441099416	120344	CSM008	FILE	7	ILL DISK PT 2
085003	06F-	40	258120343	0441102672	121457	CSM008	FILE	7	15S NP 290E
085044	07F-	25	258121442	0441105024	122108	CSM008	FILE	7	SYRTIS MAJOR NOON-1
085244	09F-	22	258122143	0441106528	123001	CSM008	FILE	7	SYRTIS MAJOR NOON-2
085061F	07F-	11	258123245	0441108896	123318	CSM008	FILE	7	SYRTIS MAJOR
085004	14F+	4	258124827	0441112256	130239	CSM008	FILE	7	15F N POLAR MAP
085045	14F+	20	258130425	0441115680	131837	CSM008	FILE	7	LATE EVEN DIURN

TAPE NO. CSM009 REV 86-90 6 FILES

086040	38F-	546	259045018	044131836F	052853	CSM009	FILE	1	WHOLE DISK DIURN 1A
086041	15F-	351	259064517	044134300F	070037	CSM009	FILE	1	WHOLE DISK DIURN B
086001	29F-	251	259074519	0441355272	081450	CSM009	FILE	1	30F 1F30R 1H30R 1F
086042	35F-	216	259082016	044136336C	085534	CSM009	FILE	1	WHOLE DISK DIURN C
086080	23F-	119	259091718	0441375284	094028	CSM009	FILE	1	ILL DISK PT 1
086280	19F-	54	259094224	044138096C	100118	CSM009	FILE	1	ILL DISK PT 2
086003	07F-	29	259100720	0441386304	101453	CSM009	FILE	1	15S NM 250K PT 1
086203	06F-	14	259102158	044138944C	102744	CSM009	FILE	1	25S NM 250K PT 2
086001F+24-		3	259103310	044139184C	103726	CSM009	FILE	1	HECATES T CHANNELS
086031F	24+	1	259103841	0441393024	104025	CSM009	FILE	1	HECATES T CHANNELS
086004	15F+	5	259104150	0441393696	105602	CSM009	FILE	1	15F N POLAR MAP
086043	14F+	20	259105722	0441397024	111134	CSM009	FILE	1	LATE EVEN DIURN
087040	11F-	533	260025623	044160252F	030731	CSM009	FILE	2	WALK DIURN PT.1
087041	15F-	352	260043720	044162416C	045239	CSM009	FILE	2	WALK DIURN PT 2
087080	15F-	230	260055919	044164172F	061402	CSM009	FILE	2	WHOL DISK JOINT PT1
087280	35F-	213	260061620	0441645376	065127	CSM009	FILE	2	WHOL DISK JOINT PT2
087001F+36-		135	260065416	0441653504	070215	CSM009	FILE	2	HESPERIA MAP+HEADER
087022	32F-	126	260070323	0441659456	073539	CSM009	FILE	2	ILL DISK
087010	S07-	53	260073540	044166236F	074244	CSM009	FILE	2	OFFSETS
087051F	04-	46	260074245	0441663904	074835	CSM009	FILE	2	PHOBOS/STARS
087042	04F-	35	260075427	044166640C	075625	CSM009	FILE	2	210 CONST LONG STRP
087001	04F-	28	260080119	0441667872	080518	CSM009	FILE	2	210 CONS LONG STRIP
087201	05F-	20	260080856	0441669504	081348	CSM009	FILE	2	210 CONS LONG STRIP
087043	04F-	12	260081642	044167116F	082018	CSM009	FILE	2	ELYSIUM MONS
087044	04F-	5	260082343	0441672772	082701	CSM009	FILE	2	MESOGAEA CRATER/TAIL
087002	17F-	0	260082924	044167388F	084622	CSM009	FILE	2	N POLAR MAP 60-60N
087045	14F+	19	260084924	0441676176	090336	CSM009	FILE	2	EVENING DIURNAL
088040	35F-	547	261003459	044188020C	011336	CSM009	FILE	3	WALK DIURN PT 1
088041	16F-	352	261022958	044190544C	024518	CSM009	FILE	3	WALK DIURN PT 2
088001F	32-	301	261032100	044191636F	033107	CSM009	FILE	3	SOUTH POLE +EX
088042	35F-	218	261040354	044192556F	043932	CSM009	FILE	3	WALK DIURN PT 3
088080	30F-	141	261044011	0441933344	051133	CSM009	FILE	4	ILL DISK PT 1
088041F	12-	110	261051200	044194016C	051405	CSM009	FILE	4	APOLLINARIS PATERA
088061F	12-	107	261051410	0441940624	051605	CSM009	FILE	4	PA ADIM VALLIS
088081F	08-	106	261051606	0441941014	054719	CSM009	FILE	4	CEREBERUS TAILS
088043	13F-	32	261054853	0441946064	060135	CSM009	FILE	4	MEDESA MEMNONIA
088001	13F-	17	261060416	044195136C	061743	CSM009	FILE	4	18S OLYM FLANK SCAT
088002	18F-	0	261062153	044195513C	063945	CSM009	FILE	4	N POLAR MAP
088044	15F+	19	261064154	0441959424	065606	CSM009	FILE	4	EVEN DIURN
089000	16F-	115	261155451	0442129344	201035	CSM009	FILE	5	16L DIFFUSER MAWD
090040	38F-	547	26220201F	044244336C	205853	CSM009	FILE	6	WALK DIURN PT 1
090041	15F-	352	262221515	044246800C	223034	CSM009	FILE	6	WALK DIURN PT 2
090042	35F-	217	262235023	0442481384	002600	CSM009	FILE	6	WALK DIURN PT 3
090080	41F-	135	263003220	0442497376	011303	CSM009	FILE	6	ILL DISK
090001	04F-	47	263011954	044250756F	012535	CSM009	FILE	6	PHASE 10/83 [1+LX
090001F	12-	35	263013204	0442510176	013234	CSM009	FILE	6	ARSIA MONS
090002	04F-	31	263013539	0442510944	013547	CSM009	FILE	6	PHASE 10/83 [2]
090021F	16-	27	263015946	0442511824	014248	CSM009	FILE	6	FAVONIS MONS +EX
090041F	1F-	23	263014352	0442512704	014830	CSM009	FILE	6	ASCRAEUS MONS +EX
090003	05F-	18	263015834	0442513712	015402	CSM009	FILE	6	PHASE 10/83 [3]
090061F	06-	0	263015839	0442515072	015502	CSM009	FILE	6	THARSIS THCLUS
090004	02F-	5	263020138	0442516512	020212	CSM009	FILE	6	PHASE 10/83 [4]
090043	05F-	1	263020540	0442517376	021037	CSM009	FILE	6	KASEI VALLIS
090005	13F-	4	263021215	0442518764	022542	CSM009	FILE	6	N POLAR MAP
090044	17F-	19	263022719	0442522016	024444	CSM009	FILE	6	EVEN DIURN

TAPE NO. CSM010 REV 91-104 11 FILES

091040	11F-	532	265182705	0442727680	183614	CSM010	FILE	1	WALK FILRA PT1
091041	11F-	352	263200802	0442749312	202407	CSM010	FILE	1	WALK FILRA PT2
091042	26F-	217	263214301	0442769664	220950	CSM010	FILE	1	WALK FILRA PT3
091080	40F-	135	263222508	0442778688	230550	CSM010	FILE	1	ILL DISK
091001F	12-	35	263232509	0442791552	232626	CSM010	FILE	1	HELAS OPHIR CHASMAE
091043	05F-	25	263233023	0442752672	233515	CSM010	FILE	1	KASEI VALLIS
091001	06F-	23	263233706	0442794112	234328	CSM010	FILE	1	45 DEG CONS LONGPT1
091201	05F-	15	263234501	0442795808	235011	CSM010	FILE	1	45 DEG CONS LONGPT2
091044	05F-	7	263235225	0442797392	235750	CSM010	FILE	1	VL-1 NOCN
091002	09F-	1	264000006	0442799040	000927	CSM010	FILE	1	N POLAR MAP PT1
091202	07F+	11	264001100	0442801376	001607	CSM010	FILE	1	N POLAR MAP PT2
091045	14F+	19	264002007	0442803328	003419	CSM010	FILE	1	EVEN FILRA
093001F	16-	126	265182958	0443345440	183545	CSM010	FILE	2	S HEMIMAPPT1+2+3+4
093041	12F-	45	265192136	0443356512	193223	CSM010	FILE	2	SINUS MERIDIANI REG
093042	11F-	30	265192634	0443359712	194743	CSM010	FILE	2	-5 TO 20 NOON OFS
093043	11F-	7	265195854	0443364496	200938	CSM010	FILE	2	AUGAKUH, HUC HSING
093001	04F+	5	265201234	0443367424	201632	CSM010	FILE	2	201285 LV
093002	80F+	247	265225404	0443402032	001403	CSM010	FILE	2	DIFFUS PL, SOL OCC N
094001F	18F-	140	266164013	0443630496	164131	CSM010	FILE	3	S HEMIS MAP 941
094021F	16-	136	266164349	0443631264	164417	CSM010	FILE	3	S HEMIS MAP 942
094041F	14-	132	266164706	0443631968	164605	CSM010	FILE	3	S HEMIS MAP 943
094061F	10-	130	266165005	0443632608	165046	CSM010	FILE	3	S HEMIS MAP 944
094071F	08-	127	266165255	0443633216	165318	CSM010	FILE	3	S HEMIS MAP 945
094040	12F-	45	266175529	0443642836	174714	CSM010	FILE	3	SINUS SARAES REGION
094041	14F-	28	266175213	0443648920	180657	CSM010	FILE	3	SYRTIS MAJOR NUONOB
094001	19F-	11	266180843	0443649456	182746	CSM010	FILE	3	PHASE 20/245 PT2
094002	30F	245	266210545	0443687392	223549	CSM010	FILE	3	DIFF PL, SOL OCC N
095001F	12-	140	267145413	0443916352	145530	CSM010	FILE	4	S HEMIS MAP 951
095021F	16-	136	267145734	0443917088	145847	CSM010	FILE	4	S HEMIS MAP 952
095041F	14-	132	267150056	0443917792	150136	CSM010	FILE	4	S HEMIS MAP 953
095061F	12-	130	267150405	0443918464	150435	CSM010	FILE	4	S HEMIS MAP 954
095081F	08-	127	267150704	0443919104	150736	CSM010	FILE	4	S HEMIS MAP 955
095042	13F-	104	267152937	0443923536	154233	CSM010	FILE	4	HELLAS FORN
095043	11F-	80	267154415	0443927072	155600	CSM010	FILE	4	HUYGENS REGION
095044	11F-	35	267155920	0443930304	161029	CSM010	FILE	4	SYRTIS MAJOR
095001	05F-	22	267161220	0443933088	161739	CSM010	FILE	4	PHASE 25/245 PT1
095201	14F-	14	267161935	0443934656	163311	CSM010	FILE	4	PHASE 25/245 PT2
095401	05F-	1	267163502	0443937952	164021	CSM010	FILE	4	PHASE 25/245 PT3
097040	15F-	215	269121159	0444511584	132602	CSM010	FILE	5	SOUTH POLAR BOX
097001F	12-	135	269135217	0444520224	135308	CSM010	FILE	5	S HEMIS MAP 970
097013F	15		269135517	0444520864	135638	CSM010	FILE	5	
097033F	9		269135901	0444521664	135937	CSM010	FILE	5	
097043F	9		269140142	0444522240	140218	CSM010	FILE	5	
097053F	15		269140433	0444522848	140535	CSM010	FILE	5	
097063F	15		269140754	0444523456	140852	CSM010	FILE	5	
097083F	15		269141107	0444524064	141205	CSM010	FILE	5	
097041	09F-	127	269141357	0444524672	142206	CSM010	FILE	5	SUNRISL BOX 1
097042	07F-	115	269151721	0444528448	152430	CSM010	FILE	5	ELYSIUM MONS MAP
097002	15F-	104	269181124	0444575744	182625	CSM010	FILE	5	SOLAR OCC A
097003	11F-	45	269194734	0444596352	200235	CSM010	FILE	5	SOLAR OCC X

TAPE NO. CSM010 REV 91-104 11 FILES (CONT)

098001	150-	130	270145511	0444837984	145030	CSM010	FILE 6	SH GLOBAL MAP 1
098201	230-	112	270145333	0444841920	151647	CSM010	FILE 6	SH GLOBAL MAP 2
098040	065-	16	270154506	0444853824	155541	CSM010	FILE 6	ALPHA THOLUS MAP
098041	205	248	270185425	0444893536	191427	CSM010	FILE 6	SUN OCC ENTRY
098042	205	432	270200826	0444915824	205626	CSM010	FILE 6	SUN OCC EXIT
099040	080-	130	271151335	0445154784	152100	CSM010	FILE 7	SUNRISE BCX 3
099011	S37-	305	271153520	0445159440	161212	CSM010	FILE 7	FP-10/238 TO 0/244
099001F	24-	32	271161216	0445167360	161756	CSM010	FILE 7	3 COLOR MAP VIOLET
099001	155+	240	271192503	0445208672	194005	CSM010	FILE 7	DIF PL SOL OCC X
099041	240+	324	271200925	0445218176	203306	CSM010	FILE 7	GLOBAL MIDNIGHT
099061F	06+	360	271203505	0445223680	203529	CSM010	FILE 7	FOR SCAT LINE
099042	105+	352	271203736	0445224224	204739	CSM010	FILE 7	CRESLIMATMFSCAT P11
099242	105+	405	271204935	0445226800	205541	CSM010	FILE 7	CRESLIMATMFSCAT P12
099002	155+	435	271212356	0445234144	213857	CSM010	FILE 7	DIF PL SOL OCC X
101041	080-	700	273110048	0445717760	110822	CSM010	FILE 8	DIURN #1
101042	090-	600	273120050	0445730624	120517	CSM010	FILE 8	DIURN #2
101043	090-	507	273125351	0445741584	130245	CSM010	FILE 8	DIURN #3
101001	160-	451	273120950	0445745408	132527	CSM010	FILE 8	DIURN 240W 1
101005F	30-	425	273133110	0445749584	133321	CSM010	FILE 8	R/V SURVEY 2
101035F	22-	425	273133521	0445750880	133636	CSM010	FILE 8	R/V SURVEY 3
101057F	14-	421	273123905	0445751680	134004	CSM010	FILE 8	R/V SURVEY 4
101044	130-	400	273140041	0445756320	141305	CSM010	FILE 8	DIURNAL #4
101002	150-	342	273141849	0445760192	143346	CSM010	FILE 8	DIURN 240W #2
101045	140-	300	273150047	0445769184	151405	CSM010	FILE 8	DIURN #5
101003	150-	240	273152047	0445773472	152544	CSM010	FILE 8	DIURN 240W #3
101046	160-	210	273155048	0445779904	160653	CSM010	FILE 8	DIURN #6
101047	210-	145	273161545	0445785248	163631	CSM010	FILE 8	DIURN #7
101064	160-	107	273165350	0445793168	170509	CSM010	FILE 8	DIURN 240W #4
101048	105-	46	273171207	0445797328	172204	CSM010	FILE 8	PHOBOS AT 4000 KM
101049	090-	34	273172659	0445800512	173527	CSM010	FILE 8	MOD RES MAP
101081F	06-	3	273175744	0445807104	175816	CSM010	FILE 8	HECATES THOLUS COL
102080	030-	137	274170146	0446103680	170410	CSM010	FILE 9	HEALER
102001F	24-	134	274170412	0446104224	170602	CSM010	FILE 9	SYS MAP
102001	400-	120	274170905	0446105248	174947	CSM010	FILE 9	SH MAP
102040	100-	30	274180845	0446118048	181637	CSM010	FILE 9	MOD RES MAP
103001FH24-	132	275174439	0446421440	174634	CSM010	FILE10	SYS MAP	
103041	110-	30	275184646	0446434752	185754	CSM010	FILE10	MOD RES MAP
103041F	044	45	275200210	0446450512	200232	CSM010	FILE10	PHOBOS/STARS
103044	105+	47	275200435	0446451440	201435	CSM010	FILE10	PHOBOS AT 5900 KM
104040	060-	300	276165432	0446715296	170100	CSM010	FILE11	SP MONITORING
104001FH24-	135	276181503	0446736528	182446	CSM010	FILE11	SYS MAP	
104001	140-	130	276182450	0446738624	183910	CSM010	FILE11	SH MAPPING
104001	270-	115	276183937	0446741792	190653	CSM010	FILE11	SP MAPPING PT 2
104041	100-	35	276191938	0446750368	192944	CSM010	FILE11	MOD RES MAP
104031FH16-	13	276194100	0446754544	195035	CSM010	FILE11	ALPHA THOLUS COLOR	
104042	055-	3	276195100	0446757088	195638	CSM010	FILE11	HECATES THOLUS
104043	100+	16	276201101	0446761376	202115	CSM010	FILE11	ALPHA PATERA EVENING
104003	155+	244	276220940	0446793232	225442	CSM010	FILE11	OCC ENTRY
104002	155+	405	277005011	0446821200	010513	CSM010	FILE11	DIF PL OCC X

TAPE NO. CSM011 REV 105-119 12 FILES

105001	175-	125	277150235	0447055296	191941	CSM011	FILE	1	JEL ISIGIS
105002	165-	50	277154222	0447063808	200042	CSM011	FILE	1	E. HELLAS (AM)+EX
105040	115-	31	277206044	0447067744	201157	CSM011	FILE	1	MOL KFS MAP
105041FH06-	13		277201906	0447071660	202342	CSM011	FILE	1	PLAINS COLOR+H+EX
105001FH06-	8		277202344	0447072672	202648	CSM011	FILE	1	CRATER ADAMS+H+EX
105041	165-	1	277203040	0447074160	204620	CSM011	FILE	1	CANOPS
105043	075+	13	277204621	0447077520	205303	CSM011	FILE	1	FILANTOVIC CRATER
105044	205+	245	277231804	0447110032	233806	CSM011	FILE	1	SOLAR OLC ENTRY
105045	205+	455	276013130	0447136624	015132	CSM011	FILE	1	SOLAR OLC EXIT
106001FH06-	132		278193718	0447371296	195041	CSM011	FILE	2	P-50 MIN SURV+H-234
106001	215-	100	278200552	0447378272	203025	CSM011	FILE	2	SPOLAR MAP
106040	125-	35	278203457	0447383048	210014	CSM011	FILE	2	MOL KFS MAP + EX
106001FH06-	5		278210020	0447389088	210324	CSM011	FILE	2	ELYSIUM MCNS COLOR
106041	045+	2	278211212	0447391632	211702	CSM011	FILE	2	STOKES CRATER
106002	155+	245	278235615	0447426784	001116	CSM011	FILE	2	OCC ENTRY
106003	155+	502	279021213	0447455920	022715	CSM011	FILE	2	DIFF PL OCC X
107001	605-	755	279134740	0447604944	144743	CSM011	FILE	3	DIFF LANDA SCAN 60M
107040	065-	300	279184718	0447669152	185340	CSM011	FILE	3	SP MONITORING
107041	115-	35	279211218	0447700224	212304	CSM011	FILE	3	MOL KFS MAP
107042	065-	18	279212911	0447703840	213505	CSM011	FILE	3	ELYSIUM FOSSAE
107001FH06-	5		279213800	0447705128	214100	CSM011	FILE	3	PLAINS COLOR
107043	105-	2	279214500	0447707216	215547	CSM011	FILE	3	MIE CRATERS-ENVIRON.
107044	095+	18	279220425	0447711392	221328	CSM011	FILE	3	ALFA MATERA EVEL.
107002	155+	247	280003439	0447743584	004941	CSM011	FILE	3	DIFF PL OCC M
107003	155+	505	280023243	0447773168	030744	CSM011	FILE	3	DIFF PL OCC X
109001	165-	500	281180157	0448276576	181704	CSM011	FILE	4	DIURN 240W PT 1
109002	155-	400	281150150	0448289408	191647	CSM011	FILE	4	DIURN 240W PT 2
109040	155-	325	281193655	0448296928	195159	CSM011	FILE	4	GLOBAL MONITORING
109003	155-	500	281200152	0448302272	201649	CSM011	FILE	4	DIURN 240W PT 3
109001F	22-	223	281202817	0448307536	202905	CSM011	FILE	4	P-150 SURVEY
109031F	22-	229	281203214	0448308800	203334	CSM011	FILE	4	P-150 SURVEY
109001F	22-	225	281203612	0448309032	203747	CSM011	FILE	4	P-150 SURVEY
109004	165-	200	281210154	0448315136	211713	CSM011	FILE	4	DIURN 240W PT 4
109041	155-	35	281222652	0448333344	223613	CSM011	FILE	4	MOL KFS MAP
109042	155-	5	281225626	0448339680	230901	CSM011	FILE	4	SYS MAP
109043	205+	511	282041315	0448407568	143316	CSM011	FILE	4	DIFF SOLAR OLC EXIT
110040	075-	200	282203855	0448610784	204517	CSM011	FILE	5	S P MONITORING
110001	145-	100	282220850	0448638000	222212	CSM011	FILE	5	S F MAPPING PT 1
110201	275-	115	282222403	0448641312	225119	CSM011	FILE	5	S F MAPPING PT 2
110001F	04-	37	282230122	0448649312	230105	CSM011	FILE	5	PHOBOS AND STARS
110041	095-	35	282230355	0448649856	231214	CSM011	FILE	5	MOL KFS MAP
110042	155-	2	282233620	0448650800	234516	CSM011	FILE	5	SYS MAP
111040	125-	45	283232705	0448903392	237906	CSM011	FILE	6	OL RES MAP
111001F	04-	31	283234415	0448967072	234407	CSM011	FILE	6	PHOBOS LAST. EQUAT.
111041	005-	28	283234715	0448967728	235300	CSM011	FILE	6	PHOBOS AT 5600 KM
111042	095-	2	284001319	0448973296	003102	CSM011	FILE	6	SYS MAP
111020	305+	15	284002754	0448975344	003105	CSM011	FILE	6	FP 41/192 TO 40/157
111011F	32+	15	284013136	0448977216	005547	CSM011	FILE	6	CYC19 MAP+EXTRA
111001	155+	511	284013132	0449041088	054400	CSM011	FILE	6	X-OCC / DIFFUSER
111023	315+	130	284014635	0449057576	070000	CSM011	FILE	6	FP 37/136 TO 37/136

TAPE NO. CSM011 REV 105-119 12 FILES (CONT)

112001	505-	149	224230309	0449266832	235307	CSM011	FILE 7	EOS SYRTIS MAJOR LN
112040	150-	25	225001744	0449282816	003040	CSM011	FILE 7	MOD RES MAP
112041	100-	3	225004937	0449285648	005534	CSM011	FILE 7	SYS MAP
112001F	32+	13	225010211	0449293200	011436	CSM011	FILE 7	CYCLE 15 MAP
112041F	04+	103	225015506	0449303680	015734	CSM011	FILE 7	PHOBOS PIC LA/EAST
112042	128+	104	225015738	0449304224	020905	CSM011	FILE 7	PHOBOS AT 3900 KM
112051F	04+	116	225020904	0449306672	020937	CSM011	FILE 7	PHOBOS PIC EAST EGT
115041	105-	111	228013152	0450224416	014114	CSM011	FILE 8	IRTM PHOBOS AT 3600
115001F	00-	28	228014358	0450227008	014430	CSM011	FILE 8	PHOBOS COLOR
115001	15-	10	228015238	0450228864	021739	CSM011	FILE 8	EAST HELLAS (A.M.)
115040	120-	33	228020930	0450232480	022123	CSM011	FILE 8	IRTM - MODERATE RES
115042	118+	1	228024400	0450239856	025549	CSM011	FILE 8	IRTM SYS MAPPING
115011F	32+	15	228025811	0450242912	030031	CSM011	FILE 8	CYCLE 15 MAP
115002	158+	520	2280260307	0450308256	081209	CSM011	FILE 8	X-CCC
116001	210-	100	229021856	0450543072	023911	CSM011	FILE 9	SOUTH POLAR
116040	11-	32	229024858	0450546664	025626	CSM011	FILE 9	IRTM - MODERATE RES
116041	065+	4	229032411	0450557056	032237	CSM011	FILE 9	IRTM SYS MAPPING
116042	208+	520	229033948	0450624688	085930	CSM011	FILE 9	IRTM DIFF SOL CCC X
117040	10-	145	290021018	0450849792	022005	CSM011	FILE10	SYRTIS MAJ SUNRISE1
117041	16-	115	290024015	0450856224	025623	CSM011	FILE10	SYRTIS MAJ SUNRISE2
117042	16-	45	290031020	0450862856	032624	CSM011	FILE10	SYRTIS SUNRISE3
117001F	32-	16	290033654	0450868768	034700	CSM011	FILE10	ELYSIUM LOW PHASE
117043	113-	8	290034659	0450870512	040832	CSM011	FILE10	SYS MAP
117044	298+	35	290043437	0450880720	050319	CSM011	FILE10	PHOBOS ECL 7000KM 1
117244	095+	135	290050434	04508827136	051241	CSM011	FILE10	PHOBOS ECLIPSE 2
118001	15-	120	291031057	0451171360	032938	CSM011	FILE11	SYRTIS/ISIDIS MAP
118010	505-	33	291033807	0451177184	034538	CSM011	FILE11	LAT.-20. & LON.280
120040	120-	45	291034620	0451178944	035822	CSM011	FILE11	IRTM - MODERATE RES
120011	512-	25	291040210	0451182336	042036	CSM011	FILE11	LAT.-25 & LON.270
120021F	32-	10	291042040	0451186304	042300	CSM011	FILE11	ELYSIUM LOW PHASE
120012	511-	8	291042300	0451186816	043236	CSM011	FILE11	LAT. 20 & LON. 210
120041	058+	2	291043341	0451189088	044233	CSM011	FILE11	SYS MAP
120013	507+	11	291044300	0451191072	044917	CSM011	FILE11	LAT. 53 & LON. 150
119001	348-	106	292033041	0451484160	040445	CSM011	FILE12	ISIDIS JOURNAL
119001F	50-	102	292040443	0451491456	042216	CSM011	FILE12	HELLAS & COLOR PGV
119040	310-	45	292042221	0451495232	045233	CSM011	FILE12	MOD RES MAP
119001F00-	14	292045258	0451501792	050536	CSM011	FILE12	RILLE COLOR VCGR	
119071F00	1	292050535	0451505056	051133	CSM011	FILE12	PLAINS 36 & COLOR	
119041	104+	8	292051138	0451505792	052148	CSM011	FILE12	SYS MAP

TAPE NO. CSM012 REV 120-133 13 FILES

120001 130-	130	293041307	0451801824	042621	CSM012 FILE 1	S.H. MAP PT 1
120002 270-	115	233042812	0451805056	045528	CSM012 FILE 1	S.H. MAP PT 2
120001FH00-	18	293052514	0451817280	052848	CSM012 FILE 1	CRATER EDDIE COLOR
120040 208-	14	293052852	0451818055	054820	CSM012 FILE 1	SYS MAP
122001 200-	180	295055424	0452440672	061459	CSM012 FILE 2	S. POLAR
122001F 32-	28	295062555	0452447424	064613	CSM012 FILE 2	ELYSIUM LOW PHASE
122041FH00-	1	295065314	0452453280	065619	CSM012 FILE 2	CHANNEL COLOR
122040 208+	1	295065618	0452453952	071558	CSM012 FILE 2	SYS MAP
123040 110-	115	296061444	0452753600	062557	CSM012 FILE 3	WEST HALF OF HELLAS
123001 270-	100	296062949	0452756832	065759	CSM012 FILE 3	E. HELLAS
123001F 27-	28	296070115	0452763588	072151	CSM012 FILE 3	ELYSIUM LOW PHASE
123041 208-	8	296072156	0452767984	074156	CSM012 FILE 3	SYS MAP
124001 608-	203	297060204	0453059456	070148	CSM012 FILE 4	60 L DIFFUSER
124001F 78-	100	297070505	0453072960	072257	CSM012 FILE 4	HELLAS 3 COLOR SURV
124040 108-	40	297072434	0453077136	073440	CSM012 FILE 4	PHOS AT 4600KF
124083F 04-	28	297073644	0453079744	073658	CSM012 FILE 4	STICKLEY
124041 098+	1	297080636	0453086144	081555	CSM012 FILE 4	SYSTEMAPPING
124042 108+	400	297110535	0453124496	111500	CSM012 FILE 4	LEIPOS AT 5900KF
124082F 04+	312	297111754	0453127136	113541	CSM012 FILE 4	5900 KM
125001 130-	130	298071029	0453382688	072343	CSM012 FILE 5	S.H. MAP PT1
125002 270-	115	298072525	0453385888	075241	CSM012 FILE 5	S.H. MAPPING PT2
125040 078-	41	298073526	0453392320	080205	CSM012 FILE 5	MOD RES MAP
125041 108-	11	298082844	0453395456	083854	CSM012 FILE 5	VL-2, MIE CRATER
125042 108+	4	298084442	0453402880	085435	CSM012 FILE 5	SYSTEMAPPING
126001F 80-	101	299081401	0453704864	082845	CSM012 FILE 6	HELLAS-CAP COLOR SU
126040 218-	40	299082845	0453708048	084957	CSM012 FILE 6	MOD RES MAP
126041 108+	8	299092146	0453719392	093152	CSM012 FILE 6	SYSTEMATIC MAPPING
126042 108+	105	299102150	0453732192	102528	CSM012 FILE 6	PHOS ECLIPSE -- 5
127040 100-	600	300035016	0453956528	040013	CSM012 FILE 7	GLOBAL MAPPING -- 1
127041 100-	500	300045018	0453969792	050015	CSM012 FILE 7	GLOBAL MAPPING -- 2
127042 140-	400	300055011	0453982624	060443	CSM012 FILE 7	GLOBAL MAPPING -- 3
127043 180-	300	300065013	0453995488	070659	CSM012 FILE 7	GLOBAL MAPPING -- 4
127044 220-	250	300075015	0454008352	081255	CSM012 FILE 7	GLOBAL MAPPING -- 5
127001 200-	110	300084016	0454015072	090051	CSM012 FILE 7	SOUTH POLAR
127002 458-	44	300095035	0454024496	095020	CSM012 FILE 7	PHASE 18/240
127045 108+	1	300095635	0454035424	100641	CSM012 FILE 7	SYSTEMATIC MAPPING
128001 458-	144	301084018	0454327648	092516	CSM012 FILE 8	SYRTIS/ISIS DAWN
128040 108-	15	301100518	0454345856	102017	CSM012 FILE 8	SUBSOLAR STRIP MAP
128041 078+	8	301103115	0454351424	103643	CSM012 FILE 8	IRTP F1 LAT CORR MA
128042 118+	21	301104615	0454354640	105715	CSM012 FILE 8	IRTP - EVENING MAPP
129040 118-	220	302083925	0454636032	085020	CSM012 FILE 9	S P COV
129041 158-	130	302092927	0454646752	094445	CSM012 FILE 9	HELLAS FREDAWN MON
129001 200-	110	302094927	0454651040	100542	CSM012 FILE 9	SOUTH POLAR MAPPING
129001F 24-	32	302102609	0454658896	102542	CSM012 FILE 9	VIOLLET FILTER CALIB
129042 158-	15	302103947	0454661824	110644	CSM012 FILE 9	SUB-SOLAR STRIP MAP
129043 108+	7	302110649	0454667616	111641	CSM012 FILE 9	IRTP F1 LAT CORR MA
129031F 18+	17	302111724	0454669888	111642	CSM012 FILE 9	SYS MAP

TAPE NO. CSM012 REV 120-133 13 FILES (CONT)

130040	117-	41	003105230	0454973120	111029	CSM012	FILE10	MOD RES MAP
130011F	04-	22	003111136	0454977216	111148	CSM012	FILE10	PHOBOS
130041	155-	21	003111244	0454977456	112903	CSM012	FILE10	SUNSOAR STRIP MAPP
130042	108+	5	003113946	0454983248	115206	CSM012	FILE10	HIGH LAT COMP MAP
130021F	18+	20	003115410	0454980336	115527	CSM012	FILE10	SYS MAP
131040	107-	130	004105753	0455278560	105353	CSM012	FILE11	HELLAS FREELAND MONI
131041	188-	32	004113034	0455250896	114813	CSM012	FILE11	MOD RES MAP
131042	155-	15	004114818	0455253648	120649	CSM012	FILE11	SUNSOAR STRIP MAPP
131101F	16-	1	004120653	0455257632	120916	CSM012	FILE11	IMAGE NOT COMP TEST
131043	108+	6	004121417	0455259216	122616	CSM012	FILE11	HIGH LAT COMP MAP
131044	113+	21	004122917	0455302432	124017	CSM012	FILE11	EVENING MAPPING 1
132001	147-	130	005111157	0455554432	112511	CSM012	FILE12	SHEM PT 1
132002	268-	115	005112653	0455557632	115409	CSM012	FILE12	S.H.C.M. PT. 2
132040	108-	33	005120900	0455606656	121551	CSM012	FILE12	MOD RES MAP
132041	155-	15	005122217	0455609504	123719	CSM012	FILE12	SUNSOAR STRIP MAPP
132042	108+	9	005125116	0455615712	130147	CSM012	FILE12	HIGH LAT COMP MAP
132043	118+	21	005130317	0455618288	131417	CSM012	FILE12	EVENING MAPPING 1
133001	258-	501	006081546	0455865248	084320	CSM012	FILE13	S.H. JOURNAL, 225W
133002	258-	400	006091546	0455878112	094451	CSM012	FILE13	S.H. JOURNAL, 225W
133003	258-	255	006101550	0455890976	104453	CSM012	FILE13	S.H. JOURNAL, 225W
133040	107-	220	006105542	0455895520	110557	CSM012	FILE13	SOUTH POLAR COVERAG
133004	229-	208	006110746	0455902112	112905	CSM012	FILE13	S.H. JOURNAL, 225W
133001F	04-	144	006113105	0455907104	113119	CSM012	FILE13	E. HELLAS CHANNEL
133011F	04-	114	006120106	0455913536	120138	CSM012	FILE13	E. HELLAS CHANNEL
133021F	04-	45	006122611	0455918912	122644	CSM012	FILE13	E. HELLAS CHANNEL
133041	108-	44	006123107	0455919568	124109	CSM012	FILE13	PHOBOS AT 5900 KM
133042	048-	27	006124831	0455923696	131214	CSM012	FILE13	SUNSOAR STRIP MAPP
133043	138+	2	006132359	0455931296	133606	CSM012	FILE13	HIGH LAT COMP MAP

TAPE NO. CSM013 REV 134-137 4 FILES

134001F 24-	43	007130610	0456230048	133039	CSM013	FILE 1	CLFAR FILTER CALIBR
134001 25E-	1	007134133	0456243648	140640	CSM013	FILE 1	18H N. POLAR
135040 10E-	525	008022307	0456483968	083304	CSM013	FILE 2	GLOBAL PRELAWN 1
135001 28E-	525	008085308	0456490408	092132	CSM013	FILE 2	S.H. JOURNAL 210W
135041 12E-	425	008092309	0456496832	193530	CSM013	FILE 2	GLOBAL PRELAWN 2
135002 28E-	425	008095310	0456503264	102134	CSM013	FILE 2	S.H. JOURNAL 210W
135042 13E-	325	008102311	0456509696	103643	CSM013	FILE 2	GLOBAL PRELAWN 3
135003 27E-	325	008105303	0456516096	112019	CSM013	FILE 2	S.H. JOURNAL 210W
135043 18E-	300	008112304	0456522528	114123	CSM013	FILE 2	GLOBAL PRELAWN 4
135004 20E-	225	008115305	0456528960	121311	CSM013	FILE 2	S.H. JOURNAL 210W
135044 25E-	207	008121511	0456533696	124035	CSM013	FILE 2	GLOBAL PRELAWN 5
135005 28E-	130	008124410	0456539504	131233	CSM013	FILE 2	S. POLAR DAWN
135045 11E-	45	008130804	0456551456	135827	CSM013	FILE 2	MOD RES MAP
135001F 24-	24	008135831	0456555040	141524	CSM013	FILE 2	RED FILTER CALIB
135046 09E-	7	008141525	0456559472	143324	CSM013	FILE 2	SYSTEMAPPING
135047 10E+	10	008143328	0456563328	144744	CSM013	FILE 2	HIGH LAT COMP MAP
136040 14E-	134	009132122	0456856448	133532	CSM013	FILE 3	PREDAWN -60 TO +15
136001 21E-	105	009134627	0456861824	140714	CSM013	FILE 3	S. POLAR MAPPING
136001F 24-	24	009143151	0456871552	143333	CSM013	FILE 3	GREEN FILTER CALIBR
136041 15E-	15	009143647	0456872608	145148	CSM013	FILE 3	SUNGLASS STRIP MAPP
136042 07E+	10	009150643	0456879024	151345	CSM013	FILE 3	HIGH LATITUDE COMPO
137040 11E-	215	010130535	0457162456	132000	CSM013	FILE 4	SOUTH POLAR COVERAG
137001 13E-	125	010135928	0457173184	141242	CSM013	FILE 4	SOUTHERN HEMISPHERE
137002 20E-	114	010141433	0457176416	144037	CSM013	FILE 4	SOUTHERN HEMISPHERE
137041 13E-	34	010145434	0457184592	150717	CSM013	FILE 4	MOD RES MAP
137042 15E-	15	010150953	0457186272	152434	CSM013	FILE 4	SUNGLASS STRIP MAPP
137043 09E-	1	010153123	0457192680	154013	CSM013	FILE 4	SYSTEMATIC MAPPING
137044 07E+	12	010154221	0457195232	154919	CSM013	FILE 4	HIGH LATITUDE COMPO

 *** MAWD NSSDC DATA CATALOG FOR VO 2 ***

 MAWD NSSDC DATA CATALOG CODING

COLUMN
 NUMBERS

1,2,3 ORBIT NUMBER
 4 SPACECRAFT VC-I 0,2,4,6 ORBITAL 8 APPROACH
 VC-II 1,3,5,7 DATA 9 DATA
 5,6 OBSERVATION NUMBER
 00-39 = MAWD 40-79 = IRIM 80-99 = MAWD & IRIM
 IF COLUMN 7 = F THEN 5,6 ARE THE FIRST PICTURE #
 OF THAT VIS OBSERVATION
 7 8 9 10
 F X X VIS OBSERVATION WITH 9,10 = # OF VIS FRAMES
 F H X X SAME AS ABOVE WITH HEADER INCLUDED
 S X X DATA NOT REQUESTED BUT USEFUL 9,10 = MINUTES OF DATA
 X X B BOX SCAN 8,9 = MINUTES OF DATA
 X X H HEADER "
 X X S SCIENCE SLEW "
 11 + = TIME AFTER PERIAPSIS
 - = TIME BEFORE PERIAPSIS
 12,13 HOURS FROM PERIAPSIS
 14,15 MINUTES FROM PERIAPSIS
 17,25 CET (START OF OBSERVATION) DAY, HOUR, MINUTE, SECOND
 27,36 FDS (COUNT (START OF OBSERVATION)
 38,43 CET (END OF OBSERVATION)
 45,57 TAPE AND FILE # WHERE DATA IS LOCATED
 60,80 COMMENTS

TAPE NO. ESM001 APPROACH DAY 213 - REV 39 25 FILES

213940	02S-9999	213110003	0741551600	110205	FSM001	FILE 1	POST TLRA-ON
213901	15P-9999	213125945	0741577248	131652	FSM001	FILE 1	ALIGN VER
214955	S06-9999	214020357	0741745280	020557	ESM001	FILE 2	APPROACH AT 112/74
214956	S07-9999	214022801	0741750448	023458	ESM001	FILE 2	APPROACH AT 112/74
215901	16P-9999	215135940	0742207232	141647	FSM001	FILE 3	ALIGN VER
217901	15P-6642	217175542	0742875800	181649	ESM001	FILE 4	ALIGN VER
218901	19P-3857	218210436	0743224000	212330	FSM001	FILE 5	ID MOI-3857
218902	19P-3654	218230739	0743250368	232633	FSM001	FILE 5	IC MOI-3654
219951	S34-2412	219130943	0743430811	133435	ESM001	FILE 6	APPROACH AT 115/70
219953F	0A-2322	219135900	0743441376	135533	ESM001	FILE 6	
219942	19P-1951	219172934	0743486496	174505	ESM001	FILE 6	ATMOS BOX #3 -1832
219907	14S-1830	219182534	0743458496	185753	FSM001	FILE 6	MAWD T-OFF -1532
004110	S62-0000	224144422	0744953536	154555	ESM001	FILE 7	FIRST PT OFF PL
004180	09P-0020	225011032	0745126096	012010	FSM001	FILE 7	IRTM/MAWD INILI
004101F	24-0010	225012144	0745130528	012328	ESM001	FILE 7	B2 PROTOCOL #1
004125F	24-0007	225012425	0745131104	012609	ESM001	FILE 7	B2 PROTOCOL #2
004145F	24-0004	225012707	0745131680	012850	ESM001	FILE 7	B2 PROTOCOL #3
004173F	24-0002	225012948	0745132256	013132	FSM001	FILE 7	B2 PROTOCOL #4
005140	15P-0118	226032747	0745466112	034306	FSM001	FILE 8	PREDAWN VO1-2 CORR
005141	14P-0102	226034346	0745469536	035650	ESM001	FILE 8	POSTDAWN VO1-2 COR
005142	05S+0005	226045612	0745485056	050425	FSM001	FILE 8	B COV #1
005342	05S+0014	226050532	0745487056	051041	FSM001	FILE 8	B2 SITE NOON
005101	16S+0045	226053631	0745493696	055248	FSM001	FILE 8	10/83 LSCAN
007110	S37-0335	228080014	0746141632	083600	ESM001	FILE 9	OFF PLANET
007101	05S-0022	228111323	0746183024	111823	FSM001	FILE 9	B3
007140	03P-0015	228112001	0746184448	112453	FSM001	FILE 9	B3 CONST LAT
007102	09P+0018	228115301	0746191520	120222	FSM001	FILE 9	10CW LAT CAL
007101F	30+0025	228120319	0746193728	120529	FSM001	FILE 9	B2 W1
007133F	30+0028	228120618	0746194368	120829	ESM001	FILE 9	B2 W2
007165F	29+0031	228120927	0746195040	121137	FSM001	FILE 9	B2 W3
007180	05P+0035	228121405	0746196032	121550	FSM001	FILE 9	B2 CONST LAT
007380	04P 46	228122200	0746197728	122727	ESM001	FILE 10	B2 CONST LAT
008140	05P-0022	229143755	0746535424	144716	FSM001	FILE 11	285W CONST LAT
008101	04P+0012	229151131	0746542624	151641	ESM001	FILE 11	4P B2 PT 1
008301	04P+0017	229151702	0746543808	152212	ESM001	FILE 11	4P B3 PT 2
008102	08P+0022	229152252	0746545056	153101	ESM001	FILE 11	8R LAT CAL 220 DEG
008101F	10+0030	229153158	0746547008	153239	ESM001	FILE 11	B2 W1
008111F	10+0032	229153403	0746547456	153444	FSM001	FILE 11	B2 W2
008121F	10+0034	229153542	0746547808	153623	ESM001	FILE 11	B2 W3
008103	05P+0037	229153748	0746548256	154633	ESM001	FILE 11	B2 W CON LAT 225-1
008303	02P+0046	229154757	0746550432	155243	FSM001	FILE 11	B2 W CONST LAT PT

TAPE NO. ESM001 APPROACH DAY 213 - REV 39 25 FILES (CONT)

009101	09S-002F	230180026	0746887392	180515	FSM001	F1LF12	B5 F1 6^30
009140	06P-001F	230181017	0746889504	181808	FSM001	F1LF12	B1 CONT LAT
009101F	20+002F	230185326	0746898752	185452	FSM001	F1LF12	B1 CONST LAT
009121F	20+0031	230185625	0746899392	185751	FSM001	F1LF12	B2 1
009141F	20+0034	230185933	0746900064	190059	FSM001	F1LF12	B3
009102	06P+0037	230190206	074690060P	190246	FSM001	F1LF12	5S LAT CAL 255 W
009141	07P+0044	230190907	0746902112	191641	FSM001	F1LF12	B3 CONT LAT 270-19
010110	57S-010F	231200526	0747222736	211459	FSM001	F1LF13	DARK SIDE +OFF PL
010101F	06-0032	231211836	0747228432	211500	FSM001	F1LF13	VL1 MET EXP
010180	07S-0030	231212038	0747228864	212744	FSM001	F1LF13	MET ROCRC DAWN OBS
010140	05P-0022	231212819	0747240512	213405	FSM001	F1LF13	B1 WEST CONST LAT
010101	05S-001F	231213534	0747242064	214030	FSM001	F1LF13	B1 9^30 45/5
010110F	90+0027	231221908	0747251380	222648	FSM001	F1LF13	B3W 1+2+3
010102	05S+003P	231222835	0747253424	223135	FSM001	F1LF13	LAT CAL 300 DEG W
010103	07P+004F	231223510	0747254848	223921	FSM001	F1LF13	B3 CON LAT 315-240
010303	04P+005C	231224018	0747255936	224425	FSM001	F1LF13	B3 CON LAT 315-240
010503	04P+0067	231224719	0747257440	225126	FSM001	F1LF13	B3 CON LAT 315-240
011140	05P-001F	233005519	0747593440	010105	FSM001	F1LF14	60 W LAT CAL
011110	50P-001F	233013041	0747601008	013829	FSM001	F1LF14	LAT 45 LON 0
011101	10S+001F	233013832	0747602700	014004	FSM001	F1LF14	10 S B1 NOON
011101F	30+0030	233014435	0747604000	014520	FSM001	F1LF14	B3WEST 1+2+3
011102	05S+003P	233015137	0747605504	015433	FSM001	F1LF14	5S LAT CAL 345
011141	05S+0043	233015820	0747606544	020228	FSM001	F1LF14	44 N CON LAT360-28
011341	04P+004P	233020316	0747608000	020723	FSM001	F1LF14	44N CONST LAT PT2
011541	04P+005F	233021017	0747609504	021424	FSM001	F1LF14	44N CONST LAT PT3
012140	26P-0113	234033035	0747935280	035514	FSM001	F1LF15	PREDAWN BOX 135 LO
012101	05P-0022	234041824	0747945520	042327	FSM001	F1LF15	B2DNR 45/125
012141	07P-001F	234042500	0747946544	042952	FSM001	F1LF15	B2 MORN
012142	03P+000F	234044501	0747951232	044859	FSM001	F1LF15	VL-1 AT 12^30
012102	05P+0022	234050305	0747955104	050800	FSM001	F1LF15	5R LAT CAL 5 DEG
012143	28P+0030	234051006	0747955608	053002	FSM001	F1LF15	B1 PM PART 1+2+3
013140	11P-0200	235060505	0748276960	061654	FSM001	F1LF16	50 POLAR BOX
013141	21P-0113	235065207	0748287040	072017	FSM001	F1LF16	PREDAWN BOX
013101	05P-0022	235074325	0748298032	074826	FSM001	F1LF16	B2 DURNAL 45/125
013142	07P-001F	235075004	0748299456	075456	FSM001	F1LF16	B2 MIDMORN
013102	05S+0022	235082508	0748307616	083301	FSM001	F1LF16	LAT CAL 45 W
013143	27P+0030	235083510	0748309120	085953	FSM001	F1LF16	B1 PM PART 1+2+3
014140	26P-0113	236101737	0748639648	104400	FSM001	F1LF17	PREDAWN BOX
014101	05S-0022	236110855	0748650640	111401	FSM001	F1LF17	45/165
014141	07P-001F	236111534	0748652064	112026	FSM001	F1LF17	B2/P2 MORN
014102	05S+001F	236114553	0748658560	115054	FSM001	F1LF17	B2 NOON
014103	05P+0022	236115330	0748660192	115907	FSM001	F1LF17	LAT CAL 95 W
014142	12P+0030	236120031	0748661696	121448	FSM001	F1LF17	B2 NOON PART 1 + 2
014120	50S+004F	236121643	0748665168	122215	FSM001	F1LF17	B2 AT 0 TO 110 LON

TAPE NO. ESM001 APPROACH DAY 213 - REV 39 25 FILES (CONT)

015140	11P-0200	237125538	0748982080	130700	ESM001	FTLF18	SOUTH POLAR BOX
015141	26P-0112	237134241	0748992160	140903	ESM001	FTLF18	PREDAWN BOX
015101	05S-0022	237143359	0749003152	143549	FSM001	FTLF18	45/215
015142	05P-0015	237144037	0749004576	144530	ESM001	FTLF18	B3 MORN
015102	05S+0015	237151101	0749011088	151602	FSM001	FTLF18	45/165
015103	05P+0022	237151842	0749012736	152419	ESM001	FTLF18	LAT CAL 140 W
015143	17P+0030	237152543	0749014240	154420	ESM001	FTLF18	B2 LAT AFT NC PT12
015144	10P+0050	237154544	0749018528	155639	FSM001	FTLF18	ARSIA MONS #1
015145	10P+0150	237164537	0749021360	165601	ESM001	FTLF18	ARSIA MONS #2
020140	05P-0012	242192812	0750609056	193244	ESM001	FTLF19	L/S VERT IR
020101F	7P-0002	242193422	0750610367	194153	ESM001	FTLF19	B SITE STEREO COMB
020101	21P+0002	242094259	0750612222	200452	FSM001	FTLF19	B1 LOCAL VARIABLE
022180	02P+0002	244205827	0751245536	210051	FSM001	FTLF20	B3 OBLIQUE
022101F	21+0005	244210059	0751246080	210425	FSM001	FTLF20	B3 OBLIQUE 3 COLOR
022101	14P+0000	244210657	0751247360	212628	ESM001	FTLF20	POLAR OBS #1+2
022131F	07+0021	244211706	0751249536	211734	ESM001	FTLF20	HIGH LAT PENTAD
023180	02P+0005	245213507	0751561947	214203	FSM001	FTLF21	B3 SITEOBLIQUE GR8
034120	S22	257043638	0755046592	044947	FSM001	FTLF22	335/231 TO 40/160
034101F	H24	257044848	0755049184	045304	FSM001	FTLF22	SYS MAP + HEADER
034131F	24	257045455	0755050496	045642	FSM001	FTLF22	SYS MAPPING
034101	28P	257045813	0755051200	052547	ESM001	FTLF22	30E OLYMPUS MONS
035120	S11+0005	258051342	0755363088	052439	ESM001	FTLF23	FROM 36/234 TO 44/16
035101F	H24+0020	258052440	0755365440	052856	FSM001	FTLF23	SYS MAP + HEADER
035131F	24+0026	258053038	0755366720	053222	FSM001	FTLF23	SYS MAPPING
038102	03S+0015	261071305	0756314384	071921	FSM001	FTLF24	5B ARCADIA
038111F	24+0021	261071922	0756315728	072323	ESM001	FTLF24	39N MAPPING
038141F	24+0025	261072354	0756316704	073319	FSM001	FTLF24	B MAPPING
038140	11P+0045	261073323	0756318736	074516	FSM001	FTLF24	OLYMPUS THARSIS MA
038141	10P+0050	261074815	0756321920	075820	FSM001	FTLF24	OLYMPUS THARSIS MAP
039111F	24+0015	262075527	0756632032	080112	ESM001	FTLF25	39 N MAPPING +EX
039141F	22+0025	262080111	0756633264	081357	ESM001	FTLF25	25 N MAPPING +EX
039141	08P+0038	262081402	0756636016	082317	FSM001	FTLF25	OLYMPUS THARSIS MA
039142	09S+0045	262082500	0756638368	083439	FSM001	FTLF25	9S 18TH PHOBOS
039179F	06+0102	262083746	0756641136	083552	ESM001	FTLF25	PHOBOS MOSAIC
039171F	08+0105	262084139	0756641920	084327	FSM001	FTLF25	PHOBOS

TAPE NO. ESM002 REV 40-57 15 FILES

040120	S20+0002	263081653	075694520	083622	FSM002	FTLF	1	FP 31/251 TO 38/14
040111F	24+0022	263083631	075694940	083815	FSM002	FTLF	1	38 DFG N MAPPING
040141	10P+0024	263083814	075694977	085159	FSM002	FTLF	1	OLYMPUS THARSIS MA
040141F	20+003F	263085208	075695275	085423	FSM002	FTLF	1	21 N MAP
040142	12P+004F	263085427	075695324	090851	FSM002	FTLF	1	OLYMPUS THARSIS MA
041102	08P+0016	264090830	075726483	091604	FSM002	FTLF	2	6 ARCADIA
041141	13P+0027	264091933	075726720	093216	FSM002	FTLF	2	OLY THARSIS MAP
041111F	20+0047	264093924	075727145	094050	FSM002	FTLF	2	16N MAP
041131F	14+0050	264094232	075727212	094332	FSM002	FTLF	2	12N MAP
041142	15P+0053	264094532	075727276	100034	FSM002	FTLF	2	OLY THARSIS MAP
041151F	06+0111	264100327	075727660	100350	FSM002	FTLF	2	MEMNONIA COLOR GRB
042142	14P+0025	265095936	075758435	101308	FSM002	FTLF	3	OLY THARSIS MAP PT
042111F	10+0045	265101507	075758768	101548	FSM002	FTLF	3	ARSIA M COL STER 1
042121F	10+0046	265101757	075758828	101839	FSM002	FTLF	3	ARSIA M COL STER 1
042131F	16+0105	265103459	075759193	103607	FSM002	FTLF	3	ARSIA M COL STER 2
042342	06P+010F	265103807	075759260	104621	FSM002	FTLF	3	OLY THARSIS MAP PT
043101	18S-0004	266100259	075789364	102001	FSM002	FTLF	4	15S ELYSIUM/SCALE
043101F	30+0031	266103902	075790137	104113	FSM002	FTLF	4	MAP 28 N
043102	27P+0035	266104304	075790224	111039	FSM002	FTLF	4	30P OLY MONS
043131F	16+0105	266111256	075790664	111404	FSM002	FTLF	4	MAP 28
043143	08P+010F	266111554	075790928	112311	FSM002	FTLF	4	AMAZONIS ARCADIA M
043144	21P+0255	266130738	075793321	132811	FSM002	FTLF	4	NORM MODE BOUND CE
044111F	20+0056	267114204	075822345	114331	FSM002	FTLF	5	MAP 28 DEG N
044131F	20+0102	267114803	075822473	114929	FSM002	FTLF	5	MAP 28 DEG N
044142	07P+0105	267115147	075822553	115809	FSM002	FTLF	5	AMAZONIS ARCADIA M
045101F	24+0028	268115215	075853420	115359	FSM002	FTLF	6	MAP 30 N
045131F	17+0036	268120019	075853593	120132	FSM002	FTLF	6	MAP STEREO 1
045141	12P+0039	268120354	075853670	121530	FSM002	FTLF	6	AMAZONIS ARCADIA M
045151F	18+0055	268121917	075854000	122034	FSM002	FTLF	6	OLY MONS MAP STER
045142	13P+0055	268122355	075854099	123615	FSM002	FTLF	6	MEMNONIA
046101F	18+0033	269123526	075885203	123643	FSM002	FTLF	7	OLY MONS MAP STER
046121F	20+0051	269125330	075885590	125456	FSM002	FTLF	7	OLY MONS MAP STER
046142	08P+0054	269125714	075885670	130506	FSM002	FTLF	7	AMAZONIS ARCADIA M
046102	16S+0115	269131728	075886104	133355	FSM002	FTLF	7	16L 20/155
047140	11S-0035	270120446	075915403	123041	FSM002	FTLF	8	PHOTOS AT 2100/STA
047101	24S-0005	270123112	075915969	125417	FSM002	FTLF	8	15S SCALE HEIGHT
047111F	19+0030	270131051	075916819	131212	FSM002	FTLF	8	OLY MONS MAP STER
047142	11P+0033	270131426	075916896	132539	FSM002	FTLF	8	AMAZONIS ARCADIA M
047131F	21+0047	270132743	075917180	132914	FSM002	FTLF	8	OLY MONS MAP STER
047143	11P+0105	270135025	075917667	140107	FSM002	FTLF	8	AMAZONIS ARCADIA M
047102	16S+0122	270140316	075917942	141943	FSM002	FTLF	8	16L 30/155

TAPE NO. ESM002 REV 40-57 15 FILES (CONT)

048101	13S-0002	271131606	075947788E	132911	FSM002	FILF 9	15S SCALE HEIGHT
048101F	22+0027	271134606	075948432C	134742	FSM002	FILF 9	OLY MONS MAP STER
048141	11F+007C	271134942	075948508E	140010	FSM002	FILF 9	AMAZONIS ARCADIA M
048131F	23+0044	271140308	075948796E	140447	FSM002	FILF 9	OLY MONS MAP STER
048142	12P+0047	271140643	075948873E	141805	FSM002	FILF 9	AMAZONIS ARCADIA M
048143	09S+0102	271142148	075949196E	143034	FSM002	FILF 9	PHORCS AT 2200
049101F	12+0022	272142002	075980016C	142708	FSM002	FILF10	MAP 27 N
049131F	45+0046	272144356	075980528C	145924	FSM002	FILF10	HEADFR
049141	16P+0105	272150227	075980924E	151831	FSM002	FILF10	VAR FEAT STUDY 2
050101F	11+0027	273150255	076011792C	150613	FSM002	FILF11	HEADFR
050140	13P+0032	273150902	076011923E	152225	FSM002	FILF11	VAR FEAT STUDY 1
050141	16P+0111	273154707	076012739E	160311	FSM002	FILF11	VAR FEAT STUDY 2
052140	01S-0002	275181715	0760776704	181818	FSM002	FILF12	INITIALIZATION
052101F	22+0000	275182030	076077743C	182814	FSM002	FILF12	N P 80-90 NORTH
052181	11F+000F	275182853	076077920C	183922	FSM002	FILF12	15S POLAR MAP
052161F	20+0019	275184014	076078163E	184140	FSM002	FILF12	MAP 140 W
052182	16P+0022	275184256	076078220E	185815	FSM002	FILF12	15P 70-55N
052141	12P+0042	275190256	076078649E	191423	FSM002	FILF12	EVENING TRANS
052184	15P+005F	275191650	076078947E	193200	FSM002	FILF12	16P 55-20
052142	36P+0117	275193753	076079398E	201331	FSM002	FILF12	IRTM GLOB EVEN COV
053181	16P-0005	276210244	076112073E	211821	FSM002	FILF13	IRTM NP REGION
053182	16P+0014	276212244	076112502E	213804	FSM002	FILF13	15P 70-55
053121F	10+0032	276214003	076112873E	214044	FSM002	FILF13	ELYSIUM MONS
053141	12P+0034	276214245	076112931E	215411	FSM002	FILF13	IRTM EVENING TRANS
053184	15P+004E	27621563E	076113228E	221149	FSM002	FILF13	16P 55-20
053131F	30+0108	276221602	076113644E	221813	FSM002	FILF13	R/V SURVEY
053142	36P+0112	276222041	076113744C	225619	FSM002	FILF13	IRTM GLOB EVEN COV
054142	19P-0222	277213255	076143577E	215136	FSM002	FILF14	IRTM SP REGION
054181	20P-001F	277233754	076146256C	235800	FSM002	FILF14	25P POLAR W
054182	12P+000E	278000456	076146835E	001631	FSM002	FILF14	13P 70-55N
054140	12P+002E	278002251	076147219E	003418	FSM002	FILF14	EVENING TRANS
054184	16P+004E	278003653	076147520C	005204	FSM002	FILF14	16P 55-20
054141	36P+0101	278005757	076147971E	013335	FSM002	FILF14	GLOB EVEN COV
054195F	04+0437	278043314	076152585E	043323	FSM002	FILF14	VO-2 IMAGE MOT COM
056107F	06- 243	280024820	076212051E	024844	FSM002	FILF14	VEGA
056115F	2P- 241	280025059	076212108E	025929	FSM002	FILF14	S POLAR
056101	19P- 230	280030205	076212345E	032153	FSM002	FILF14	25P S POLAR
056140	18P- 200	280033206	076212988E	035016	FSM002	FILF14	S POLAR
056141	08S 1	280053223	076215566E	054028	FSM002	FILF14	IRTM INITIALIZATIO
056151F	44 11	280054322	076215801E	054724	FSM002	FILF14	N P CAP 80-90
056181	04F+0015	280054805	076215904C	055232	FSM002	FILF14	N P (LOCK)
056110	16P+0020	280055236	076215999E	060538	FSM002	FILF14	NP + 70-55 DEG N
056182	12P+0032	280060542	0762162751	061721	FSM002	FILF14	70-55 DEG N (LOCK)
056142	11P 45	280062203	0762166304	063329	FSM002	FILF14	EVEN TRANSITION
056184	15P 102	280063605	076216931E	065115	FSM002	FILF14	16P 55-20 DEG N
056143	30P 124	280065659	076217379E	072657	FSM002	FILF14	GLOBAL EVENING
057140	09S+0000	281081958	0762500144	082903	FSM002	FILF15	IRTM INITIALIZATIO
057101F	19+0011	281083056	076250249E	083218	FSM002	FILF15	N P CAP 80-90
057121F	25+0012	281083310	076250297E	083459	FSM002	FILF15	N P CAP 75-86
057181	10P+0015	281083503	076250337E	084549	FSM002	FILF15	10P N P
057151F	16+0026	281084646	076250588E	084757	FSM002	FILF15	MAPPING
057182	15P+0025	281084900	076250635E	090936	FSM002	FILF15	15P 70-55 DEG NORT
057141	12P+0045	281090937	0762510784	092104	FSM002	FILF15	EVEN TRANSITION
057184	15P+0103	281092339	076251379E	093850	FSM002	FILF15	16P 55-20 DEG NORT
057142	30P+0124	281094434	076251827E	101431	FSM002	FILF15	GLOBAL EVENING

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058140	08S+0000	282110719	0762844576	111811	FSM003	FILE 1	INITIALIZATION
058101F	17+0011	282111812	0762846912	111925	FSM003	FILE 1	N POLAR CAP 80-90
058121F	25+0017	282112027	0762847392	112334	FSM003	FILE 1	N POLAR CAP 75-86
058101	11P+0016	282112336	0762846064	113437	FSM003	FILE 1	10E N POLE
058151F	16+0027	282113438	0762850432	113710	FSM003	FILE 1	MAPPING
058182	15P+0030	282113711	0762850976	115230	FSM003	FILE 1	15E 70-55 N
058141	12P+0045	282115654	0762855200	120820	FSM003	FILE 1	EVENING TRANSITION
058184	16P+0102	282121056	0762858208	122606	FSM003	FILE 1	16E 45-20N
058143	30P+0124	282123159	0762862720	130130	FSM003	FILE 1	GLOBAL EVENING
059101F	1P-0234	283112001	0763155872	112118	FSM003	FILE 2	S POLAR R/V
059101	24P-0230	283112440	0763156864	114857	FSM003	FILE 2	28E S POLAR
059140	18P-0200	283115440	0763163296	121250	FSM003	FILE 2	S POLAR REGION
059141	08S	283135502	0763189088	140307	FSM003	FILE 2	INITIALIZATION
059131F	14+0005	283140400	0763191008	140809	FSM003	FILE 2	N POLAR CAP 80-90
059161F	25+0012	283140810	0763191904	141042	FSM003	FILE 2	N POLAR CAP 75-86
059102	0 P+0015	283141043	0763192448	141457	FSM003	FILE 2	N POLE (LOCK)
059121	0 P+0020	283141502	0763193372	142806	FSM003	FILE 2	N POLE (70-55)
059182	0 P+0032	283143254	0763196188	144005	FSM003	FILE 2	N POLE (LOCK)
059142	12P+0045	283144437	0763199712	145603	FSM003	FILE 2	EVENING TRANSITION
059184	15P+0102	283145839	0763202720	151350	FSM003	FILE 2	16E 45-20 N
059143	30P+0124	283151943	0763207232	154913	FSM003	FILE 2	GLOBAL EVENING
060140	08S+0000	284164326	0763533744	165420	FSM003	FILE 3	INITIALIZATION
060101F	15+0011	284165424	0763536096	165528	FSM003	FILE 3	N POLAR CAP 80-90
060121F	25+0012	284165550	0763536400	165827	FSM003	FILE 3	N. POLAR CAP 75-86
060181	11P+0015	284165907	0763537104	171242	FSM003	FILE 3	10E NORTH POLE
060182	15P+0025	284171305	0763540096	172824	FSM003	FILE 3	15E 55-70 NORTH
060141	11P+0046	284173006	0763543744	174132	FSM003	FILE 3	EVENING TRANSITION
060184	13P+0100	284174323	0763546592	175655	FSM003	FILE 3	16P 20-55 NORTH
060143	30P+0124	284181409	0763553184	184407	FSM003	FILE 3	GLOBAL EVENING
061140	08S+0000	285193145	0763878384	193550	FSM003	FILE 4	INITIALIZATION
061101F	40+0008	285193958	0763880144	194829	FSM003	FILE 4	N. POLAR CAP 80-90
061181	10P+0016	285194833	0763881984	195839	FSM003	FILE 4	10E NORTH POLE
061151F	15+0027	285195838	0763884144	200231	FSM003	FILE 4	TEMPER FOSSAE
061182	15P+0030	285200235	0763884992	201755	FSM003	FILE 4	15E 55-70 NORTH
061141	11P+0045	285202124	0763889024	203251	FSM003	FILE 4	EVENING TRANSITION
061184	15P+0102	285203527	0763892032	205037	FSM003	FILE 4	16P 20-55 NORTH
061142	30P+0124	285205630	0763896544	212627	FSM003	FILE 4	GLOBAL EVENING
062101F	06-0244	286193432	0764187552	193455	FSM003	FILE 5	SOUTH POLAR SURVEY
062107F	06-0245	286193704	0764188096	193727	FSM003	FILE 5	SOUTH POLAR SURVEY
062113F	06-0235	286193936	0764188640	194000	FSM003	FILE 5	SOUTH POLAR SURVEY
062119F	03-0237	286194200	0764189152	194210	FSM003	FILE 5	SOUTH POLAR SURVEY
062101	24P-0230	286194910	0764190688	201327	FSM003	FILE 5	24P SOUTH POLAR
062140	14P-0200	286201911	0764197120	203328	FSM003	FILE 5	SOUTH POLAR REGION
062141	08S+0000	286221933	0764222912	222738	FSM003	FILE 5	INITIALIZATION
062122F	13+0011	286223036	0764225280	223130	FSM003	FILE 5	N P CAP 80-90
062141F	25+0012	286223250	0764225760	223409	FSM003	FILE 5	N P CAP 75-86
062181	10P	286223523	0764226304	224529	FSM003	FILE 5	10E NORTH POLE
062166F	13+0027	286224634	0764228704	224729	FSM003	FILE 5	MARCOTIS FOSSAE
062142	12P+0042	286230242	0764232160	231409	FSM003	FILE 5	IRTM - EVENING TRA
062184	14P+0056	286231609	0764235040	233017	FSM003	FILE 5	16E 20-55 DEGREE N
062144	30P+0124	286234413	0764241056	001411	FSM003	FILE 5	IRTM - GLOBAL EVEN

TAPE NO. ESM003 REV 58-67 10 FILES (CONT)

063140	08S+0000	288010654	0764567344	011459	ESM003	FILE 6	INITIALIZATION
063121F	16+0013	288012015	0764570208	012124	ESM003	FILE 6	N P CAP 75-86
063181	10P+0014	288012248	0764570752	013254	ESM003	FILE 6	10P NORTH POLE
064140	08S+0000	289035428	0764911824	040233	FSM003	FILE 7	INITIALIZATION
064101F	33+0008	289040232	0764913552	041018	FSM003	FILE 7	N P CAP 80-90
064181	10P+0016	289041023	0764915232	042051	ESM003	FILE 7	10P N. POLE
064182	15P+0025	289042407	0764918176	043926	ESM003	FILE 7	10P NORTH POLE
064141	11P+0045	289044408	0764922464	045534	ESM003	FILE 7	EVENING TRANSITION
064184	15P+0103	289045810	0764925472	051320	FSM003	FILE 7	16P 20-55 NORTH
064142	30P+0124	289051904	0764929552	054502	ESM003	FILE 7	GLOBAL EVENING
065101	24P-0230	290041203	0765224160	043620	ESM003	FILE 8	24P S. POLAR
065140	18P-0200	290044204	0765230592	050058	ESM003	FILE 8	IRTP SP REGION
065141	08S+0000	290064221	0765256368	065026	ESM003	FILE 8	INITIALIZATION
065131F	3A+0013	290065319	0765258720	065729	FSM003	FILE 8	NPC 80-90
065181	10P+0015	290065806	0765259744	070834	ESM003	FILE 8	10P NORTH POLE
065182	16P+0026	290070833	0765261984	073200	ESM003	FILE 8	15P 55-70 NORTH
065142	11P+0045	290073200	0765267008	074326	ESM003	FILE 8	EVENING TRANSITION
065184	15P+0103	290074602	0765270016	080157	FSM003	FILE 8	16P 20-55 NORTH
065144	30P+0124	290080706	0765274528	083703	ESM003	FILE 8	GLOBAL EVENING
066140	08S+0005	291093223	0765601376	094036	ESM003	FILE 9	INITIALIZATION
066101F	39+0010	291094036	0765603136	094536	ESM003	FILE 9	N. POLAR CAP 80-90
066181	13P+0015	291094531	0765604224	095836	FSM003	FILE 9	10P N. POLE 70-85
066182	15P+0025	291100001	0765607296	101520	FSM003	FILE 9	15P 65-70 NORTH
066141	17P+0044	291101519	0765610576	103248	ESM003	FILE 9	EVENING TRANSITION
066184	16P+0103	291103404	0765614592	105002	ESM003	FILE 9	16P 20-55 N
066147F	52+0115	291105007	0765618032	105958	ESM003	FILE 9	ELYSIUM EVE R/V SU
066142	30P+0131	291110208	0765620608	113206	FSM003	FILE 9	GLOBAL EVENING
067140	06S+0002	292122029	0765945568	122633	FSM003	FILE 10	INITIALIZATION
067101F	12+0011	292122930	0765947904	123021	FSM003	FILE 10	N. POLAR CAP 80-90
067121F	25+0013	292123136	0765948352	123324	ESM003	FILE 10	N. POLAR CAP 75-86
067181	10P+0015	292123409	0765948896	124637	ESM003	FILE 10	10P N. POLE 70-85
067182	20P+0025	292124811	0765951904	130807	ESM003	FILE 10	15P 65-70 NORTH
067141	11P+0045	292130812	0765956192	132053	ESM003	FILE 10	EVENING TRANSITION
067184	15P+0103	292132214	0765959200	134125	FSM003	FILE 10	16P 20-55 N
067151F	27+0123	292134129	0765963328	134327	FSM003	FILE 10	EVENING R/V SURVEY
067142	30P+0127	292134607	0765964320	141605	ESM003	FILE 10	GLOBAL EVENING

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068141	33R-0800	293070605	0766187168	073555	FSM004	FTLF	1	ATMOS GLOBAL BOX
068142	09R-0700	293080607	0766200032	081528	ESM004	FTLF	1	WHOLE DISK DIUR #1
068143	10R-0600	293090600	0766212864	091632	ESM004	FTLF	1	WHOLE DISK DIUR #5
068144	11R-0500	293100602	0766225728	101731	ESM004	FTLF	1	WHOLE DISK DIUR #6
068145	38R-0400	293110604	0766238592	114405	ESM004	FTLF	1	ATMOS GLOBAL BOX
068146	18R-0315	293114659	0766247360	120417	FSM004	FTLF	1	WHOLE DISK DIUR #7
068101	25R-0255	293120659	0766251648	123116	ESM004	FTLF	1	24E SOUTH POLAR
068147	14R-0000	293151500	0766251936	152544	ESM004	FTLF	1	NORTH POLE PM
068182	15R-0025	293153603	0766256448	155123	ESM004	FTLF	1	15E 55-70 N
068148	12R-0045	293155604	0766300736	160806	FSM004	FTLF	1	EVENING TRANSITION
068184	15R-0103	293161006	0766303744	162517	FSM004	FTLF	1	16P 20-55 DEGREE N
068149	29R-0124	293163101	0766308224	170058	FSM004	FTLF	1	GLOBAL EVENING
069140	08S-0001	294175220	0766634215	180146	ESM004	FTLF	2	INITIALIZATION
069101F	44+0000	294180148	0766636251	180820	ESM004	FTLF	2	ARCTIC MAPPING
069181	12R-0014	294180823	0766637655	182147	FSM004	FTLF	2	N. POLE FILL IN
069182	15R-0025	294182320	0766640864	183839	ESM004	FTLF	2	15E 55-70 N
069141	12E-0045	294184320	0766645152	185523	ESM004	FTLF	2	EVENING TRANSITION
069184	15R-0103	294185723	0766648160	191233	ESM004	FTLF	2	16P 20-55 DEGREE N
069142	30R-0124	294191826	0766652672	194824	ESM004	FTLF	2	GLOBAL EVENING
070777	05S-0033	295200801	0766971867	201743	FSM004	FTLF	3	IRTM
070101	30S-0015	295201748	0766974640	205019	FSM004	FTLF	3	FIXED CN-CA 91-214
070101F	35+0012	295205026	0766980955	205709	ESM004	FTLF	3	ARCTIC MAPPING
070181	10R-0016	295205710	0766982400	210838	ESM004	FTLF	3	10E N F 70-85 N
070182	16R-0027	295210839	0766984855	212614	ESM004	FTLF	3	15E 55-70 DEGREES
070141	12R-0045	295213055	0766989632	214221	FSM004	FTLF	3	IRTM - EVENING TRA
070184	16R-0103	295214457	0766992640	220008	ESM004	FTLF	3	16P 20-55 DEGREES
070142	30R-0124	295220552	0766997120	223549	ESM004	FTLF	3	GLOBAL EVENING
071101F	04-0048	296224048	0767313175	231523	ESM004	FTLF	4	PHOBOS SUB MARS PT
071101	23S-0012	296231626	0767320816	233514	ESM004	FTLF	4	INITIALIZATION
071111F	34+0010	296233921	0767325723	234501	FSM004	FTLF	4	75-83N ARCTIC MAP
071181	10R-0016	296234520	0767327008	235526	ESM004	FTLF	4	10E N POLE
071171F	10+0026	296235528	0767329175	235823	FSM004	FTLF	4	MOTTIEL PLAINS
071182	11R-0025	296235828	0767329815	001239	ESM004	FTLF	4	15P 55-70N
071141	13R-0047	297001709	0767333824	003041	ESM004	FTLF	4	EVENING TRANSITION
071184	14R-0103	297003307	0767337248	004715	ESM004	FTLF	4	20-55N
071142	29R-0124	297005402	0767341728	012402	ESM004	FTLF	4	GLOBAL EVENING
072101	30S-0028	298014913	0767662123	022532	ESM004	FTLF	5	FIXED C-C
072101F	34+0008	298022637	0767670135	023316	ESM004	FTLF	5	75-83N ARCTIC MAP
072181	11R-0016	298023357	0767671712	024403	FSM004	FTLF	5	10P N POLE
072182	12R-0026	298024406	0767673883	025908	FSM004	FTLF	5	15E 55-70N
072141	13R-0047	298030528	0767678464	031900	ESM004	FTLF	5	EVENING TRANSITION
072184	14R-0103	298032136	0767681920	033543	ESM004	FTLF	5	20-55N
072142	30R-0124	298034230	0767686400	041227	ESM004	FTLF	5	GLOBAL EVENING
073101F	04-0104	299040111	0767958576	045247	ESM004	FTLF	6	PHOBOS/STARS
073111F	44+0004	299051019	0768013792	051752	FSM004	FTLF	6	N F STEREO 180 WLS
073182	10R-0025	299053525	0768019168	054506	FSM004	FTLF	6	15P 55-70 NORTH
073141	14R-0047	299055329	0768023040	060701	FSM004	FTLF	6	IRTM - EVENING TRA
073184	14R-0103	299060928	0768026464	062336	ESM004	FTLF	6	20-55 NORTH
073142	30R-0124	299063031	0768030576	070029	ESM004	FTLF	6	IRTM - GLOBAL EVEN

TAPE NO. ESM005 REV 74-78 6 FILES

074101	27S-0021	300073123	0768352615	080019	FSM005	FILE	1	FIXED C-C
074101F	34+0007	300080021	0768358795	080807	FSM005	FILE	1	75-85N ARCTIC MAP
074181	10P+0016	300080924	0768360736	082252	FSM005	FILE	1	10E NORTH POLE
074182	10P+0025	300082259	0768363648	084043	FSM005	FILE	1	15E 45-70 NORTH
074141	14P+0047	300084055	0768367488	085427	FSM005	FILE	1	IRTM - EVENING TRA
074184	15P+0102	300085653	0768370912	091101	FSM005	FILE	1	20-55 NORTH
074142	30P+0124	300091757	0768375424	094754	FSM005	FILE	1	IRTM - GLOBAL EVEN
075140	13P-0438	301061024	0768643808	062356	FSM005	FILE	2	S. HEM GLOB 130 RCL
075101F	04-0411	301062846	0768647744	062900	FSM005	FILE	2	S. POLAR SURVEY-V
075100	21P-0242	301075822	0768666944	081940	FSM005	FILE	2	S. POLAR
075141	15P-0217	301082328	0768672320	083811	FSM005	FILE	2	SOUTH POLAR REGION
075142	10P-0155	301084123	0768676160	085138	FSM005	FILE	2	S. P. REGION 130 RCL
075141F	04-0005	301103050	0768699616	103102	FSM005	FILE	2	PM CH SRCH 130 RCL
075101	16S-0006	301103403	0768700304	105012	FSM005	FILE	2	FIXED C-C
075151F	0P+0012	301105238	0768704288	105311	FSM005	FILE	2	3 COLOR POLAR CAP
075181	11P+0016	301105650	0768705184	110718	FSM005	FILE	2	10E N. POLE
075182	10P+0025	301111025	0768708096	112008	FSM005	FILE	2	15P 55-70 NORTH
075144	14P+0047	301112829	0768711968	114201	FSM005	FILE	2	EVENING TRANSITION
075184	14P+0102	301114428	0768715392	115836	FSM005	FILE	2	20-55 NORTH
075145	30P+0124	301120522	0768719872	123520	FSM005	FILE	2	GLOBAL EVENING
076101	33S- 15	302130847	0769042032	133857	FSM005	FILE	3	FIXED C-C
076181	10P 15	302134353	0769049552	135514	FSM005	FILE	3	10P N. POLE 70-85N
076182	15P+0030	302135844	0769052736	141319	FSM005	FILE	4	55-70N
076183	11P+0045	302141818	0769056928	142526	FSM005	FILE	4	30-55N
076184	14P+0104	302143314	0769060128	144704	FSM005	FILE	4	0-30N
076140	25P+0124	302145315	0769064416	151816	FSM005	FILE	4	GLOBAL EVENING MAP
077140	10S-0015	303155644	0769386592	160650	FSM005	FILE	5	PHOTOS AT 4400 KM
077121F	44+0004	303162037	0769391712	162837	FSM005	FILE	5	N. P. CTER 1 307 W
077182	15P+0030	303164637	0769397280	170111	FSM005	FILE	5	55-70N
077181F	15+0046	303170311	0769400832	170414	FSM005	FILE	5	N. POLAR SURVEY
077183	11P+0045	303170619	0769401504	171714	FSM005	FILE	5	30-55N
077184	14P+0104	303172124	0769404736	173514	FSM005	FILE	5	0-30N
077141	25P+0124	303174125	0769409024	180627	FSM005	FILE	5	GLOBAL EVENING MAP
078101	27S-0015	304184445	0769731168	191223	FSM005	FILE	6	FIXED C-C
078111F	35+0007	304191227	0769737104	192040	FSM005	FILE	6	75-85N ARCTIC MAP
078181	10P+0016	304192045	0769738880	193050	FSM005	FILE	6	10E N. POLE 70-85
078182	14P+0025	304193420	0769741792	194855	FSM005	FILE	6	55-70N
078171F	15+0046	304195112	0769745408	195216	FSM005	FILE	6	N. POLAR SURVEY
078183	11P+0045	304195430	0769746112	200538	FSM005	FILE	6	30-55 NORTH
078184	14P+0104	304200926	0769749312	202315	FSM005	FILE	6	0-30N
078140	29P+0124	304202926	0769753600	205857	FSM005	FILE	6	GLOBAL EVENING MAP

TAPE NO. ESM006 REV 79-85 8 FILES

079101F	3A-033F	305181409	0770023184	182806	FSM006	FILE 1	S. POLAR SURVEY
079140	19A-024F	305190719	0770044576	192632	FSM006	FILE 1	SOUTH POLAR MAP IN
079100	24A-021F	305193711	0770050976	200128	ESM006	FILE 1	S. POLAR
079135F	04-004F	305210521	0770069867	213339	ESM006	FILE 1	PHOBOS DATA BANK
079101	26S-0017	305213434	077007612F	220219	ESM006	FILE 1	FIXED C-C
079143F	39+000F	305220224	0770082091	220849	FSM006	FILE 1	75-83N ARCTIC MAP
079181	11P+001F	305220855	077008348F	221501	FSM006	FILE 1	10P N. POLE 70-85
079182	14P+002F	305222212	077008633F	223647	FSM006	FILE 1	55-70N
079183	11P+004F	305224213	0770090624	225321	ESM006	FILE 1	30-55 NORTH
079184	14P+0104	305225718	0770093856	231108	ESM006	FILE 1	0-30N
079141	29P+0124	30523171A	0770098144	234649	FSM006	FILE 1	GLOBAL EVENING MAP
080101	33S-002F	307001359	077041885F	004826	FSM006	FILE 2	FIXED C-C
080101F	34+000F	307004900	0770426363	005356	FSM006	FILE 2	POLAR COLOR
080181	11S+001F	307005504	0770427664	010617	ESM006	FILE 2	SECRET SOURCE
080182	15P+002F	30701093F	0770430784	012412	ESM006	FILE 2	55-70 NORTH
080183	11P+004F	307012938	0770435072	014047	ESM006	FILE 2	30-55 DEGREE NORTH
080184	14P+0104	307014443	0770438304	015833	FSM006	FILE 2	0-30 NORTH
080140	30P+0124	307020444	0770442592	023441	ESM006	FILE 2	GLOBAL EVENING MAP
081101F	2E- 33F	307234900	077072208C	035754	ESM006	FILE 3	SOUTH POLAR SURVEY
081100	21P- 24F	308004261	077073344C	010355	ESM006	FILE 3	SOUTH POLAR -- ROL
081140	31P- 21F	308011202	0770739872	014321	FSM006	FILE 3	S P MAP ROLL
081131F	10- 44	308024307	0770759392	031456	FSM006	FILE 3	PHOBOS/SUB-MARS PT
081101	13S- 5	308031756	077076684F	033047	FSM006	FILE 3	FIXED C-C
081151F	44 4	308033157	077076985F	033922	ESM006	FILE 3	NORTH POLAR STEREO
081182	17P 25	308035703	0770775232	041428	FSM006	FILE 4	55-70 DEGREE NORTH
081183	11P 45	308041704	077077952C	042812	FSM006	FILE 4	30-45 DEGREE NORTH
081184	43P 104	308043200	077078272C	051545	FSM006	FILE 4	0-30 DEGREE NORTH
082101	33S- 24	309055025	077110809F	062620	ESM006	FILE 5	FIXED C-C
082101F	32 11	309062624	077111580F	063143	ESM006	FILE 5	COLOR TARGET
082181	10P 16	309063147	077111696C	064130	ESM006	FILE 5	N. POLE FILL IN
082182	14P 25	309064504	077111980F	065939	FSM006	FILE 5	55-70 NORTH
082183	11P 45	309070505	077112409F	071614	FSM006	FILE 5	
082184	13P 104	309072001	077112729F	073351	FSM006	FILE 5	0-30 NORTH
082140	24P 124	309074002	0771131584	080441	ESM006	FILE 5	GLOBAL EVENING
083101	33S- 24	310083853	077145276F	091150	FSM006	FILE 6	FIXED C-C
083111F	42 1C	310091349	077146025F	091836	FSM006	FILE 6	N. POLAR COLOR
083181	08P 21	310092538	0771462784	093347	FSM006	FILE 6	10P N. POLE 70-85
083182	15P 31	310093529	077146489F	095004	ESM006	FILE 6	55-70 NORTH
083183	11P 45	310095333	077146876F	100442	ESM006	FILE 6	30-55 NORTH
083184	14P 104	310100829	077147196F	102219	FSM006	FILE 6	0-30 NORTH
083140	25P 124	310102830	077147625F	105309	ESM006	FILE 6	GLOBAL EVENING
084140	32P-024F	311090342	077176665F	093509	FSM006	FILE 7	IRTM - SOUTH POLAR
084100	21P-021F	311093642	077177372F	095724	ESM006	FILE 7	SOUTH POLAR
084101	33S-0024	311112704	077179737F	120101	FSM006	FILE 7	FIXED CORE-CLOCK
084101F	21+001F	311120236	0771804992	120749	FSM006	FILE 7	75-83 NORTH ARCTIC
084181	12P+001F	311120750	0771806112	122053	FSM006	FILE 7	10P N. POLE 70-85N
084182	15P+002F	311122143	077180908F	123618	ESM006	FILE 7	55-70N

TAPE NO. ESM006 REV 79-85 8 FILES (CONT)

084183	11P+0045	311124144	0771813376	125252	ESM006	FILE 7	30-55N
084184	14P+0104	311125640	0771816576	131224	ESM006	FILE 7	0-30N
084141	25P+0124	311131640	0771820864	134142	FSM006	FILE 7	IRTM - GLOBAL EVEN
085101	33S-0024	312141434	0772141840	144804	ESM006	FILE 8	FIXED CONE-CLOCK
085121F	08+001F	312144840	0772149152	145523	ESM006	FILE 8	KOROLEV - COLOR
085181	11P+001F	312145524	0772150592	150702	FSM006	FILE 8	10P N POLE 70-85N
085182	14P+002F	312150917	0772153568	152352	ESM006	FILE 8	55-70N
085183	11P+0045	312152918	0772157856	154027	FSM006	FILE 8	30-55N
085184	14P+0104	312154414	0772161056	155804	ESM006	FILE 8	0-30N
085140	25P+0124	312160415	0772165344	162916	ESM006	FILE 8	IRTM - GLOBAL EVEN

132041	15S-	19	305122217	0455609504	123719	CSM012	FILE12	SUBSOLAR STRIP MAPP
132042	10S+	9	305125116	0455615712	130147	CSM012	FILE12	HIGH LAT COMP MAP
132043	11S+	21	305130317	0455618288	131417	CSM012	FILE12	EVENING MAPPING 1
133001	28B-	500	306081546	0455865248	084320	CSM012	FILE13	S. H. DIURNAL, 225W
133002	29B-	400	306091548	0455878112	094451	CSM012	FILE13	S. H. DIURNAL, 225W
133003	29B-	259	306101550	0455890976	104453	CSM012	FILE13	S. H. DIURNAL, 225W
133040	10B-	220	306105542	0455899520	110557	CSM012	FILE13	SOUTH POLAR COVERAG
133004	22B-	208	306110748	0455902112	112905	CSM012	FILE13	S. H. DIURNAL, 225W
133001F	04-	144	306113105	0455907104	113119	CSM012	FILE13	E. HELLAS CHANNEL
133011F	08-	114	306120106	0455913536	120138	CSM012	FILE13	E. HELLAS CHANNEL
133021F	08-	49	306122611	0455918912	122644	CSM012	FILE13	E. HELLAS CHANNEL
133041	10S-	44	306123107	0455919968	124109	CSM012	FILE13	PHOBOS AT 5900 KM
133042	84S-	27	306124831	0455923696	131214	CSM012	FILE13	SUBSOLAR STRIP MAPP
133043	13S+	8	306132359	0455931296	133606	CSM012	FILE13	HIGH LAT COMP MAP

TAPE# CSM013 REV 134-137 4 FILES

134001F	24-	43	307130610	0456236048	133039	CSM013	FILE 1	CLEAR FILTER CALIBR
134001	25B-	8	307134133	0456243648	140640	CSM013	FILE 1	18B N. POLAR
135040	10B-	559	308082307	0456483968	083304	CSM013	FILE 2	GLOBAL PREDAWN 1
135001	28B-	529	308085308	0456490400	092132	CSM013	FILE 2	S. H. DIURNAL 210W
135041	12B-	459	308092309	0456496832	093530	CSM013	FILE 2	GLOBAL PREDAWN 2
135002	28B-	429	308095310	0456503264	102134	CSM013	FILE 2	S. H. DIURNAL 210W
135042	13B-	359	308102311	0456509696	103643	CSM013	FILE 2	GLOBAL PREDAWN 3
135003	27B-	330	308105303	0456516096	112019	CSM013	FILE 2	S. H. DIURNAL 210W
135043	18B-	300	308112304	0456522528	114123	CSM013	FILE 2	GLOBAL PREDAWN 4
135004	20B-	229	308115305	0456528960	121311	CSM013	FILE 2	S. H. DIURNAL 210W
135044	25B-	207	308121511	0456533696	124035	CSM013	FILE 2	GLOBAL PREDAWN 5
135005	28B-	138	308124410	0456539904	131233	CSM013	FILE 2	S. POLAR DAWN
135045	11B-	45	308133804	0456551456	135827	CSM013	FILE 2	MOD RES MAP
135001F	24-	24	308135831	0456555840	141524	CSM013	FILE 2	RED FILTER CALIB
135046	09S-	7	308141529	0456559472	143324	CSM013	FILE 2	SYSTEMAPPING
135047	10S+	10	308143328	0456563328	144744	CSM013	FILE 2	HIGH LAT COMP MAP
136040	14B-	134	309132122	0456856448	133552	CSM013	FILE 3	PREDAWN -60 TO +15
136001	21B-	109	309134627	0456861824	140714	CSM013	FILE 3	S. POLAR MAPPING
136001F	24-	24	309143151	0456871552	143335	CSM013	FILE 3	GREEN FILTER CALIBR
136041	15S-	19	309143647	0456872608	145148	CSM013	FILE 3	SUBSOLAR STRIP MAPP
136042	07S+	10	309150643	0456879024	151345	CSM013	FILE 3	HIGH LATITUDE COMPO
137040	11B-	219	310130935	0457162496	132030	CSM013	FILE 4	SOUTH POLAR COVERAG
137001	13B-	129	310135928	0457173184	141242	CSM013	FILE 4	SOUTHERN HEMISPHERE
137002	26B-	114	310141433	0457176416	144037	CSM013	FILE 4	SOUTHERN HEMISPHERE
137041	13B-	34	310145434	0457184992	150717	CSM013	FILE 4	MOD RES MAP
137042	15S-	19	310150953	0457188272	152454	CSM013	FILE 4	SUBSOLAR STRIP MAPP
137043	09S	1	310153123	0457192880	154013	CSM013	FILE 4	SYSTEMATIC MAPPING
137044	07S+	12	310154221	0457195232	154919	CSM013	FILE 4	HIGH LATITUDE COMPO

TAPE NO. CSM014 REV 175-210 18 FILES D-30945

175010	S35	0	349010003	0469040448	013455	CSM014	FILE 1	OFFSETS AT TURN-ON
175040	14B	0	349063210	0469111616	064645	CSM014	FILE 1	WHOLE PLANET DIURNA
175001F	40	0	349082240	0469135296	082949	CSM014	FILE 1	SOUTH POLAR SURVEY
175041	40B	0	349083513	0469137984	091556	CSM014	FILE 1	WHOLE PLANET DIURNA

176001 18B	0	350094302	0469461088	100148	CSM014	FILE 2	MORN. MAP PT 1
176002 58S	0	350103322	0469471872	113155	CSM014	FILE 2	A1 E.P.F.
177001 18B	0	351101800	0469777152	103747	CSM014	FILE 3	MORN. MAP PT 2
177011F 08	0	351103752	0469781408	105024	CSM014	FILE 3	LASLIDEDW OLYMPU+EX
177001F 08	0	351105029	0469784112	110257	CSM014	FILE 3	DAALBEDOEWO LMPD+EXP
179040 10S-	33	353112618	0470408928	113623	CSM014	FILE 4	PHOBOS AT 2200KM
184001F 8-	36	358135508	0471983680	135540	CSM014	FILE 5	HIGH PHASE COLOR
185040 26S-	35	359142721	0472299152	145339	CSM014	FILE 6	EMISSION PHASE 1-10
185041 17S-	6	359145552	0472305264	151245	CSM014	FILE 6	EMISSION PHASE 11-1
189001 16B-	42	363162725	0473559168	164338	CSM014	FILE 7	MORN. MAP PT 1
189020 941-	26	363164342	0473562656	171258	CSM014	FILE 7	FP -11/151 TO 18/20
190001 18B-	42	364170000	0473874720	171818	CSM014	FILE 8	MORN. MAP PT 2
190020 506-	24	364171822	0473878656	172416	CSM014	FILE 8	FP 8/149 TO 130/61
191001 23B-	42	365173243	0474190304	175549	CSM014	FILE 9	MORN. MAP PT 3
191020 506-	19	365175548	0474195248	180146	CSM014	FILE 9	36/140 TO 46/117
202200 514-	950	010144102	0477547792	145524	CSM014	FILE 10	OFF PLANT
202040 39B-	401	010203031	0477622688	210908	CSM014	FILE 10	WPPD4. 00. 5
202041 29B-	301	010213033	0477635552	215919	CSM014	FILE 10	WPPD3. 01. 25
202042 38B-	201	010223035	0477648416	230836	CSM014	FILE 10	WPPD2. 01. 75
202043 20B-	53	010233832	0477662976	235824	CSM014	FILE 10	PREDAWN NEAR EQUATO
202001F016-	33	010235824	0477667232	000622	CSM014	FILE 10	MEMONIA
202044 13B-	25	011000627	0477668960	001923	CSM014	FILE 10	THARSIS MAPPING
202244 505-	12	011001923	0477671728	002457	CSM014	FILE 10	12/93 TO 21/74
203201 54S-	903	011160332	0477874048	164900	CSM014	FILE 11	OFF PLANT
203011F032-	24	012004219	0477985216	004812	CSM014	FILE 11	PHOBOS COLOR
203400 507-	17	012004919	0477986720	005611	CSM014	FILE 11	17/112 TO 37/70
203001 40S-	10	012005617	0477988208	013641	CSM014	FILE 11	40S EPF 40/45
204001F028-	37	013010517	0478298704	012030	CSM014	FILE 12	THARSIS
204040 13B-	22	013012034	0478301984	013317	CSM014	FILE 12	THARSIS MAPPING
205040 13B-	30	014014728	0478616320	020024	CSM014	FILE 13	THARSIS MAPPING
205001F032	15	014023421	0478626368	024512	CSM014	FILE 13	SYS MAP
206040 13B-	31	015022329	0478932608	023625	CSM014	FILE 14	THARSIS MAPPING
206001F 32	20	015023623	0478935376	032942	CSM014	FILE 14	SYS MAP
207040 12B-	36	016025443	0479247872	030618	CSM014	FILE 15	THARSIS MAPPING
207001F 32	13	016034448	0479258608	040716	CSM014	FILE 15	SYS MAP
208040 11B-	36	017033110	0479564256	034246	CSM014	FILE 16	THARSIS MAPPING
208041 10B	12	017042043	0479574864	043156	CSM014	FILE 16	3 PM CRATERS MAPPIN
208001F 32	23	017043200	0479577296	043946	CSM014	FILE 16	SYS MAP
208001 23B	37	017044504	0479580096	050923	CSM014	FILE 16	AFTN MAPS PT 2
209002 14B-	30	018041430	0479882112	042856	CSM014	FILE 17	MORNING MAP PT 1

209041 20S- 10 018043449 0479886464 045450 CSM014 FILE 17 HI-RES STRIP MAPPIN
 209001F 32 16 018050057 0479892064 051748 CSM014 FILE 17 SYS MAP
 209041F 6 105 018055049 0479902752 055112 CSM014 FILE 17 PHOBOS MOSAIC AT 10

210040 12S- 500 019002147 0480140816 003309 CSM014 FILE 18 DIFFUSER PLATE - IR
 210001 60S- 430 019005144 0480147232 015147 CSM014 FILE 18 60L DIFFUSER
 210041F070- 35 019044628 0480197536 051142 CSM014 FILE 18 THARSIS
 210041 20S- 10 019051148 0480202960 053149 CSM014 FILE 18 HI-RES STRIP MAPPIN
 210002 20S 19 019054126 0480209312 060159 CSM014 FILE 18 AFTN MAPS PT 1
 210042 41S 49 019061127 0480215744 065210 CSM014 FILE 18 EVENING MAPPING

TAPE NO. CSM015 REV 211-225 ¹⁴ FILES D-30946

211001 16S- 30 020052837 0480515136 054419 CSM015 FILE 1 MORNING MAP PT 2
 211200 S20- 10 020054855 0480519488 060851 CSM015 FILE 1 19/106 TO 29/15
 211002 21S 39 020063830 0480530112 065948 CSM015 FILE 1 AFTN MAPS PT 3

212001 16S- 38 021055754 0480829984 061350 CSM015 FILE 2 MORNING MAP PT 3
 212002 5S- 16 021061943 0480834656 062444 CSM015 FILE 2 5S 10/83
 212040 20S- 10 021062617 0480836064 064618 CSM015 FILE 2 HI-RES STRIP MAPPIN
 212001F064 26 021070318 0480844000 071957 CSM015 FILE 2 SYS MAP
 212003 16S 59 021073552 0480850976 075152 CSM015 FILE 2 AFTN MAPS PT 4

214200 S06 023063155 0481434416 063740 CSM015 FILE 3 OFF PLANET
 214001F060 023063744 0481435664 064811 CSM015 FILE 3 SYS MAP ARASIA
 214081 60S 023063750 0481439968 075757 CSM015 FILE 3 AFTERNOON/EVENING G

215080 29S- 20 024045354 0481741984 052227 CSM015 FILE 4 EPF VL-1 275
 215081 60S 46 024060040 0481756288 070047 CSM015 FILE 4 AFTERNOON/EVENING G

216001F060 27 025044337 0482048352 045017 CSM015 FILE 4 SYS MAP NILI FOSSAE
 216081 59S 47 025050311 0482052544 060207 CSM015 FILE 4 AFTERNOON/EVENING G

217081 59S 47 026040543 0482348800 050439 CSM015 FILE 5 AFTERNOON/EVENING G

218081 59S 48 027030806 0482645024 040701 CSM015 FILE 6 AFTERNOON/EVENING G

219081 59S 49 028021037 0482941280 030933 CSM015 FILE 7 AFTERNOON/EVENING G

220001F062 15 029003829 0483230112 010321 CSM015 FILE 8 SYS MAP ELYSIUM MON
 220081 58S 50 029011300 0483237504 021156 CSM015 FILE 8 AFTERNOON/EVENING G

221081 59S 50 030001532 0483533760 011428 CSM015 FILE 9 AFTERNOON/EVENING G

222001F064 18 030224518 0483822992 230914 CSM015 FILE 10 SYS MAP OLYMPUS AUR
 222081 59S 51 030231813 0483830048 001708 CSM015 FILE 10 AFTERNOON/EVENING G

223200 S20- 330 031175837 0484070128 181826 CSM015 FILE 11 OFF PLANT
 223040 13S 031182831 0484076544 184136 CSM015 FILE 11 GLOBAL PREDAWN-HELL
 223041 28S- 200 031192833 0484089408 195639 CSM015 FILE 11 GLOBAL PREDAWN-HELL
 223001F 16 46 031221540 0484125216 223329 CSM015 FILE 11 ASRAEUS MONS
 223081 55S 104 031223335 0484129056 232851 CSM015 FILE 11 AFTERNOON/EVENING G

224001F076 23 032205336 0484416208 211851 CSM015 FILE 12 ASRAEUS, CERAUNIUS
 224081 59S 49 032212026 0484421952 221921 CSM015 FILE 12 AFTERNOON/EVENING G

25001F016 40 033201319 0484716144 202203 CSM015 FILE 13 ASCRAEUS MONS
225081 59B 50 033202213 0484718048 212108 CSM015 FILE 13 AFTERNOON/EVENING G

TAPE NO CSM016 REV 226-255 21 FILES D-30947

226001F05B 18 034185208 0485007312 190912 CSM016 FILE 1 SYS MAP KASEI
226081 59B 45 034191846 0485013024 201742 CSM016 FILE 1 AFTERNOON/EVENING G

228080 15B 27 036170125 0485600736 171645 CSM016 FILE 2 DIURNAL/PHASE PT1
228081 59B 44 036171827 0485604384 181723 CSM016 FILE 2 AFTERNOON/EVENING G

229001F055- 22 037151002 0485885440 153453 CSM016 FILE 3 SYSTEMATIC MAPPING
229080 12B 14 037154749 0485893536 155925 CSM016 FILE 3 DIURNAL/PHASE PT2
229081 59B 44 037161750 0485899968 171646 CSM016 FILE 3 AFTERNOON/EVENING G

230001F055- 17 038141439 0486182144 142035 CSM016 FILE 4 SYSTEMATIC MAPPING
230080 40B- 6 038142534 0486184480 150536 CSM016 FILE 4 DIURNAL/PHASE PT3
230040 4S 106 038153822 0486200080 154234 CSM016 FILE 4 PHOBOS DARK HEMISPH

231001F047- 16 039131523 0486478016 132047 CSM016 FILE 5 SYSTEMATIC MAPPING
231080 9B- 5 039132636 0486480416 133557 CSM016 FILE 5 DIURNAL/PHASE PT4
231040 29B 659 039203136 0486571488 210040 CSM016 FILE 5 LATE EVENING HELLAS

232080 30B- 11 040121934 0486774624 124927 CSM016 FILE 6 DIURNAL/PHASE PT5

233080 11B- 12 041111719 0487069856 112828 CSM016 FILE 7 DIURNAL/PHASE PT6

242080 60B 10 050021254 0489730336 031230 CSM016 FILE 8 A1 EPF
242001F 22 103 050031554 0489743840 031730 CSM016 FILE 8 PHOBOS

243080 14B 14 051012517 0490028704 013907 CSM016 FILE 9 A1 DIURNAL
243001F 12 59 051020938 0490038208 021028 CSM016 FILE 9 PHOBOS
243051F 22 102 051021237 0490038848 021412 CSM016 FILE 9 PHOBOS

244001F 10 58 052010731 0490333472 010813 CSM016 FILE 10 PHOBOS
244051F 22 102 052011058 0490334208 011233 CSM016 FILE 10 PHOBOS

245080 21B- 12 052225350 0490613392 231418 CSM016 FILE 11 A1 EMISSION PHASE
245040 1B 57 053000410 0490628464 000536 CSM016 FILE 11 PHOBOS 90 DEG PHASE
245041 3B 103 053000950 0490629680 001255 CSM016 FILE 11 PHOBOS 50 DEG PHASE

246001F 22 57 053230159 0490923712 230334 CSM016 FILE 12 PHOBOS
246051F 22 102 053230654 0490924768 230829 CSM016 FILE 12 PHOBOS - LOW PHASE

247040 1B 57 054215922 0491218864 220043 CSM016 FILE 13 PHOBOS 90 DEG PHASE

248001F 22 57 055205720 0491514144 205855 CSM016 FILE 14 PHOBOS

249041 8B 46 056194331 0491806896 195145 CSM016 FILE 15
249042 2B 57 056195541 0491809504 195756 CSM016 FILE 15 PHOBOS 81 DEG PHASE

250040 26B 0 057165528 0492079456 172150 CSM016 FILE 16 HIGH RESOLUTION PRE
250001 16B 0 057183522 0492100864 185117 CSM016 FILE 16 MID-LAT MAPPING PT1
250001F03B 0 057185531 0492105184 185854 CSM016 FILE 16 PHOBOS
250002 23B 0 057190045 0492106304 192332 CSM016 FILE 16 MID-LAT MAP PT2

251001	60S-	559	058105339	0492310496	115342	CSM016	FILE 17	60L DIFFUSER
251040	26B-	100	058155322	0492374720	161944	CSM016	FILE 17	HIGH RESOLUTION PRE
251041	5B	53	058174638	0492398992	175125	CSM016	FILE 17	PHOBOS 100DEG PHASE
252040	33B-	139	059141123	0492661440	144438	CSM016	FILE 18	MOD RESOLUTION PRED
252041	26B-	100	059145125	0492670016	151747	CSM016	FILE 18	HIGH RESOLUTION PRE
252001F032		59	059165110	0492695680	165415	CSM016	FILE 18	PHOBOS
253040	26B-	100	060134927	0492965312	141550	CSM016	FILE 19	HIGH RESOLUTION PRE
253001	45B	39	060152931	0492986752	161451	CSM016	FILE 19	MID-LATITUDE MAP
254040	27B	0	061124739	0493260640	131402	CSM016	FILE 20	HIGH RESOLUTION PRE
255040	26B-	100	062114533	0493555904	121156	CSM016	FILE 21	HIGH RESOLUTION PRE
255001F060		30	062131554	0493575264	132215	CSM016	FILE 21	SYSTEMATIC MAPPING
255001	45B	39	062132527	0493577312	141048	CSM016	FILE 21	MID-LATITUDE MAP

TAPE (CSM017) REV 256-266 10 FILES D-30948

257001F060		0	064103319	0494157568	103941	CSM017	FILE 1	SYSTEMATIC MAPPING
257040	10B	0	064105114	0494161408	110120	CSM017	FILE 1	A1 SITE NOON
257080	37B	0	064110553	0494164544	114300	CSM017	FILE 1	ID-LAT MAP PT1
257081	34B	0	064114657	0494173344	122029	CSM017	FILE 1	MID-LAT MAP PT2
258040	10B	0	0650949	8 0494456672	095914	CSM017	FILE 2	30/21 NOON
258080	37B	0	065100346	0494459808	104054	CSM017	FILE 2	MID-LAT MAP PT1
258081	34B	0	065104450	0494468608	111823	CSM017	FILE 2	MID-LAT MAP PT2
259040	10B	11	066084814	0494752192	085820	CSM017	FILE 3	MAGGINI NOON
259080	38B	24	066090158	0494755136	093906	CSM017	FILE 3	MID-LAT MAP PT1
259081	34B	105	066094253	0494763904	101626	CSM017	FILE 3	MID-LAT MAP PT2
260040	10B	12	067074729	0495047744	075739	CSM017	FILE 4	CASSINI NOON
260080	37B	24	067080010	0495050464	083718	CSM017	FILE 4	MID-LAT MAP PT1
260081	33B	105	067084105	0495059232	091438	CSM017	FILE 4	MID-LAT MAP PT2
261040	10B	10	068064331	0495342608	065336	CSM017	FILE 5	AUGAKUH VALLIS NOON
261080	37B	25	068065813	0495345760	073521	CSM017	FILE 5	MID-LAT MAP PT1
261081	33B	105	0680739	8 0495354528	081241	CSM017	FILE 5	MID-LAT PT2
262001F	60-	7	069052333	0495634048	052955	CSM017	FILE 6	SYSTEMATIC MAPPING
262040	10B	12	069054325	0495638304	055331	CSM017	FILE 6	
262080	37B	24	069055607	0495641024	063315	CSM017	FILE 6	MID-LAT MAP PT1
262281	33B	105	069063711	0495649824	071044	CSM017	FILE 6	MID-LAT MAP PT2
263040	10B	10	070043927	0495933168	044929	CSM017	FILE 7	ISIDIS NOON
263080	37B	24	070045410	0495936320	053118	CSM017	FILE 7	MID-LAT MAP PT1
263081	36B	105	070053505	0495945088	061123	CSM017	FILE 7	MID-LAT MAP PT2
263200	S37-1900		070170053	0496092048	173755	CSM017	FILE 7	B OFF-PLANT
264041	62B-	500	070220014	0496156192	230245	CSM017	FILE 8	SOUTHERN NIGHT (1/4
264080	17B	24	071032511	0496225824	044215	CSM017	FILE 8	SO HEM MAPPING
265041	62B-	500	071195525	0496438016	205756	CSM017	FILE 9	SOUTHERN NIGHT (1/4
265042	34B-	59	071235533	0496489472	002959	CSM017	FILE 9	HI-RES PREDAWN
265001F036-		1	072005413	0496502048	005734	CSM017	FILE 9	HIGH RESOLUTION MAP

65080 17B 25 072012031 0496507680 023735 CSM017 FILE 9 SO HEM MAPPING
266041 63B- 500 072175054 0496719904 185324 CSM017 FILE 10 SOUTHERN NIGHT (1/4
266001F032- 1 072224942 0496783936 225255 CSM017 FILE 10 HIGH RESOLUTION MAP
266080 18B 24 072231559 0496789568 003304 CSM017 FILE 10 SO HEM MAPPING

TAPE NO. CSM018 REV 267-274 8 FILES D-30949

267041 63B- 459 073154631 0497001824 164902 CSM018 FILE 1 SOUTHERN NIGHT (1/4
267001F032- 1 073204511 0497065824 204824 CSM018 FILE 1 HIGH RESOLUTION MAP
267080 17B 24 073211128 0497071456 222833 CSM018 FILE 1 SO HEM MAPPING

268041 48B- 359 074144144 0497296512 152954 CSM018 FILE 2 SOUTHERN NIGHT (1/4
268001F032- 1 074184021 0497347648 184335 CSM018 FILE 2 HIGH RESOLUTION MAP
268080 17B 25 074190639 0497353280 202343 CSM018 FILE 2 SO HEM MAPPING

269041 63B- 459 075113644 0497565440 123914 CSM018 FILE 3 SOUTHERN NIGHT (1/4
269001F032- 0 075163532 0497629472 163843 CSM018 FILE 3 HIGH RESOLUTION MAP
269080 17B 25 075170150 0497635104 181854 CSM018 FILE 3 SO HEM MAPPING

270041 62B- 459 076093212 0497847328 103443 CSM018 FILE 4 SOUTHERN NIGHT (1/4
270001F032- 0 076143052 0497911328 143412 CSM018 FILE 4 HIGH RESOLUTION MAP
270080 17B 35 076150710 0497919104 162414 CSM018 FILE 4 SO HEM MAPPING

271041 63B- 456 077072741 0498129216 083012 CSM018 FILE 5 SOUTHERN NIGHT (1/4
271080 17B 25 077125247 0498198880 140951 CSM018 FILE 5 SO HEM MAPPING

272041 62B- 459 078052301 0498411072 062532 CSM018 FILE 6 SOUTHERN NIGHT (1/4
272042 32B- 59 078092259 0498462496 095436 CSM018 FILE 6 -10 TO 10 PREDAWN
272001F032- 0 078102140 0498475072 102454 CSM018 FILE 6 HIGH RESOLUTION MAP
272080 18B 25 078104758 0498480704 120502 CSM018 FILE 6 SO HEM MAPPING

273041 62B- 459 079031812 0498692896 042042 CSM018 FILE 7 SOUTHERN NIGHT (1/4
273001F032- 0 079081700 0498756928 082005 CSM018 FILE 7 HIGH RESOLUTION MAP

274041 63B- 459 080011331 0498974752 021602 CSM018 FILE 8 SOUTHERN NIGHT (1/4
274080 17B 25 080063828 0499044384 075533 CSM018 FILE 8 SO HEM MAPPING

TAPE NO. CSM019 REV 275-284 9 FILES -D-30950

275040 65B- 459 080230748 0499256384 001242 CSM019 FILE 1 SOUTHERN NIGHT (1/4
275001F 2B- 1 081040619 0499320352 040923 CSM019 FILE 1 HIGH RESOLUTION MAP
275081 23S 7 081041535 0499322336 053833 CSM019 FILE 1 EPF OLYMPUS MONS +1

276040 6S 0 081185532 0499510896 190113 CSM019 FILE 2 IRTM DIFFUSER PLATE
276001 60S 0 081190331 0499512608 200334 CSM019 FILE 2 60L DIFFUSER
276041 27B 0 082010316 0499589696 013032 CSM019 FILE 2
276001F010 0 082020259 0499602496 020427 CSM019 FILE 2 HIGH RESOLUTION - S
276002 18S 0 082022332 0499606896 024128 CSM019 FILE 2 10/75 EPF
276080 43B 0 082024310 0499611104 032607 CSM019 FILE 2 SOUTHERN HEM MAP
276003 40S 0 082032834 0499620832 040840 CSM019 FILE 2 CANYON -8/45 (75)

277040 26B- 100 082225817 0499871488 232458 CSM019 FILE 3 AEOLIS GUAD MAPPING
277001F 3B- 1 082235649 0499884032 002348 CSM019 FILE 3 HIGH RESOLUTION MAP
277001 20S 35 083003338 0499891920 005349 CSM019 FILE 3 MARGARITIFER SINUS
277051F 40 100 083005839 0499897280 010340 CSM019 FILE 3 CANYON AREA AND CHA

277080	498	107	083010616	0499898912	015503	CSM019	FILE 3	SOUTH HEM MAPPING
279001F020-		1	084212209	0500468032	212429	CSM019	FILE 4	HIGH RESOLUTION MAP
279080	368	19	084214322	0500472576	221918	CSM019	FILE 4	EQUATORIAL MAPPING
279021F032		100	084222350	0500481248	222824	CSM019	FILE 4	SO LATITUDES MED RE
279081	568	107	084223127	0500482880	232800	CSM019	FILE 4	SPRINGTIME DIURNAL
280001F 10-		0	085205424	0500770656	205505	CSM019	FILE 5	HIGH RESOLUTION MAP
280080	368	19	085211358	0500774848	214954	CSM019	FILE 5	EQUATORIAL MAPPING
280011F032		59	085215417	0500783488	215900	CSM019	FILE 5	SO LATITUDES MED RE
280081	578	107	085220154	0500785120	225827	CSM019	FILE 5	SPRINGTIME DIURNAL
281040	198-	50	086193441	0501062144	195354	CSM019	FILE 6	PREDAWN NOCTIS LABY
281080	368	19	086204443	0501077152	212008	CSM019	FILE 6	EQUATORIAL MAPPING
281081	578	107	086213240	0501087424	222912	CSM019	FILE 6	SPRINGTIME DIURNAL
282040	198-	50	087190535	0501364480	192448	CSM019	FILE 7	PREDAWN IUS CHASMA
282080	358	19	087201529	0501379456	205053	CSM019	FILE 7	EQUATORIAL MAPPING
282081	578	107	087210334	0501389760	220006	CSM019	FILE 7	SPRINGTIME DIURNAL
283040	218-	106	088182115	0501663552	184233	CSM019	FILE 8	PREDAWN MELAS CHASM
283080	258	28	088195614	0501683904	202125	CSM019	FILE 8	EQUATORIAL MAPPING
283081	618	58	088202615	0501690336	212734	CSM019	FILE 8	SPRINGTIME DIURNAL
284001F030-		2	089185501	0501979360	185819	CSM019	FILE 9	HIGH RESOLUTION MAP
284080	258	28	089192641	0501986144	195152	CSM019	FILE 9	EQUATORIAL MAPPING
284081	628	58	089195642	0501992576	205801	CSM019	FILE 9	SPRINGTIME DIURNAL

TAPE NO. CSM020 REV 285-294 10 FILES D-30951

285040	228-	51	090173657	0502271200	175815	CSM020	FILE 1	PREDAWN DA VINCI
285080	378	18	090184659	0502286208	192326	CSM020	FILE 1	EQUATORIAL MAPPING
285081	618	58	090192701	0502294784	202820	CSM020	FILE 1	SPRINGTIME DIURNAL
286040	218-	51	091170706	0502573376	172824	CSM020	FILE 2	PREDAWN MARGARITIFE
286001F040		18	091181726	0502588448	182113	CSM020	FILE 2	
286080	368	23	091182146	0502589376	185742	CSM020	FILE 2	EQUATORIAL MAPPING
286081	618	106	091190505	0502598656	200624	CSM020	FILE 2	SPRINGTIME DIURNAL
287040	218-	51	092163707	0502875520	165824	CSM020	FILE 3	PREDAWN SIMUS MERID
287080	368	18	092174700	0502890496	182327	CSM020	FILE 3	EQUATORIAL MAP
287081	618	106	092183505	0502900800	193624	CSM020	FILE 3	SPRINGTIME DIURNAL
288040	218-	51	093160707	0503177664	162825	CSM020	FILE 4	PREDAWN SCHIAPARELL
288080	368	18	093171700	0503192640	175328	CSM020	FILE 4	EQUATORIAL MAPPING
288081	618	58	093175702	0503201216	185821	CSM020	FILE 4	SPRINGTIME DIURNAL
289040	218-	52	094153707	0503479808	155825	CSM020	FILE 5	PREDAWN SINUS SABAE
289280	S07	6	094163539	0503492352	164708	CSM020	FILE 5	28/258 TO 10/91
289080	368	18	094164710	0503494816	172337	CSM020	FILE 5	EQUATORIAL MAPPING
289001F 59		54	094172335	0503502624	173501	CSM020	FILE 5	SO LATITUDES MED RE
289081	618	105	094173506	0503505088	183625	CSM020	FILE 5	SPRINGTIME DIURNAL
290040	218-	49	095150922	0503782432	153040	CSM020	FILE 6	SINUS SABAEUS PREDA
290080	308	29	095162925	0503799584	175942	CSM020	FILE 6	MID-LAT MAPPING
290081	398	200	095180012	0503819040	183925	CSM020	FILE 6	S. HEMI. AFTERNOON

291040 22B- 50 096143949 0504084672 150107 CSM020 FILE 7 TEISSERENC DE BORT
 291080 31B 29 096155952 0504101824 173009 CSM020 FILE 7 MID-LAT MAPPING
 291081 39B 200 096173040 0504121280 180953 CSM020 FILE 7 S. HEMI. AFTERNOON
 292040 21B- 50 097141034 0504386976 143152 CSM020 FILE 8 SCHROETER PREDAWN
 292080 26B 24 097152532 0504403040 155155 CSM020 FILE 8 MID-LAT MAP PT1
 292001F 10 56 097155654 0504409760 155735 CSM020 FILE 8 PHOBOS COLOR
 292280 50B 101 097160234 0504410976 165206 CSM020 FILE 8 MID-LAT MAP PT2
 292081 39B 159 097170040 0504423424 173953 CSM020 FILE 8 S. HEMI AFTERNOON

293001FH11- 2 098142850 0504699456 143247 CSM020 FILE 9 CONTIGUOUS HI RESOL
 293081 27B 344 098181633 0504748256 184349 CSM020 FILE 9 S. HEMI AFTERNOON/E

294040 5S- 14 099134800 0504999280 135359 CSM020 FILE 10 HEPHAESTUS FOSSAE P
 294041F 40 300 099170306 0505041088 171200 CSM020 FILE 10 COLOR TARGET, -20 N
 294081 27B 359 099180241 0505053856 182957 CSM020 FILE 10 S. HEMI. AFTERNOON/

TAPE NO. CSM021 REV 295-311 17 FILES - D-30952

295001F 52- 0 100133327 0505304736 135958 CSM021 FILE 1 CONTIGUOUS HI RESOL
 295080 31B 29 100140346 0505311232 153404 CSM021 FILE 1 MID-LAT MAPPING
 295081 27B 359 100173344 0505356224 180100 CSM021 FILE 1 S. HEMI. AFTERNOON/

296040 6S- 12 101125149 0505604384 125744 CSM021 FILE 2 ELYSIUM MONS PREDAW
 296081 27B 359 101170429 0505658528 173145 CSM021 FILE 2 S. HEMI. AFTERNOON/

297081 28B 0 102163456 0505960768 170213 CSM021 FILE 3 SO HEMI AFTERNOON/E

298001 13B 25 103122954 0506216832 124215 CSM021 FILE 4 CANYON MAPPING
 298080 51B 40 103124450 0506220032 133520 CSM021 FILE 4 MID-LAT MAPPING
 298041F 47 135 103134014 0506231904 134551 CSM021 FILE 4 CRATER AREA 20W -20
 298081 28B 400 103160448 0506262880 163204 CSM021 FILE 4 SO HEMI AFTERNOON/E

299021F 40 0 104113534 0506513760 113914 CSM021 FILE 5 HIGH RESOLUTION MAP
 299080 60B 30 104120441 0506520000 130404 CSM021 FILE 5 MID-LAT MAPPING
 299081 27B 400 104153439 0506564992 160155 CSM021 FILE 5 SO HEMI AFTERNOON/E

300001F 22 0 105110525 0506815872 110745 CSM021 FILE 6 HIGH RES-S
 300081 27B 400 105150440 0506867136 153156 CSM021 FILE 6 SO HEMIS AFT N.

301001F 12- 57 106093711 0507105536 094623 CSM021 FILE 7 PHOBOS SOUTH POLE S
 301081 28B 410 106143449 0507169312 150205 CSM021 FILE 7 SO HEMI AFTERNOON/E

302040 5S- 15 107094954 0507416832 095456 CSM021 FILE 8 JOVIS THOLUS PREDAW
 302081 27B 400 107140525 0507471584 143241 CSM021 FILE 8 SO HEMI AFTERNOON/E

303040 4S- 13 108092236 0507719552 092617 CSM021 FILE 9 CERAUNUS THOLUS PR
 303021FH20- 1 108093443 0507722144 094054 CSM021 FILE 9 HIGH RESOLUTION MAP
 303081 27B 400 108133619 0507773920 140335 CSM021 FILE 9 SO HEMI AFTERNOON/E

304081 27B 401 109130713 0508076256 133429 CSM021 FILE 10 SO HEMI AFTERNOON/E

305040 5S- 13 110082447 0508324304 082917 CSM021 FILE 11 VL-1 PREDAWN HIGH
 305080 33B 359 110123723 0508378432 131046 CSM021 FILE 11 AFT. /EVE. S. HEM.

PR, AL

 *** MAWD NSSDC DATA CATALOG FOR VO 1 ***
 *** FOR REVS GREATER THAN 1000. ***

 MAWD NSSDC DATA CATALOG CODING

11 COLUMN
 12 NUMBERS

13 1, 2, 3 ORBIT NUMBER
 14 4 SPACECRAFT VO-I 0, 2, 4, 6 ORBITAL 8 APPROACH
 15 VO-II 1, 3, 5, 7 DATA 9 DATA
 16 IF COLUMN 4 = 6 ADD 1000 TO REV # TO GET CORRECT REV #
 17 5, 6 OBSERVATION NUMBER
 18 00-39 = MAWD 40-79 = IRTM 80-99 = MAWD & IRTM
 19 IF COLUMN 7 = F THEN 5, 6 ARE THE FIRST PICTURE #
 20 OF THAT VIS OBSERVATION
 21 7 8 9 10 VISUAL IMAGING SYSTEM
 22 F X X VIS OBSERVATION WITH 9, 10 = # OF VIS FRAMES
 23 F H X X SAME AS ABOVE WITH HEADER INCLUDED
 24 S X X DATA NOT REQUESTED BUT USEFUL 9, 10 = MINUTES OF DATA
 25 X X B BOX SCAN 8, 9 = MINUTES OF DATA
 26 X X H HEADER
 27 X X S SCIENCE SLEW
 28
 29 11 + = TIME AFTER PERIAPSIS
 30 - = TIME BEFORE PERIAPSIS
 31 12, 13 HOURS FROM PERIAPSIS
 32 14, 15 MINUTES FROM PERIAPSIS
 33 17, 25 OET (START OF OBSERVATION) DAY, HOUR, MINUTE, SECOND
 34 27, 36 FDS COUNT (START OF OBSERVATION)
 35 38, 43 OET (END OF OBSERVATION)
 36 45, 57 TAPE AND FILE # WHERE DATA IS LOCATED
 37 60, 80 COMMENTS

TAPE CSM083

152640 10S-0815 233160312 0771633888 161314 CSM083 FILE 1 IRTM DIFF PL OBS
 152601 30S-0746 233163211 0771640096 170213 CSM083 FILE 1 MAWD INST PLANET CK
 159640 15B-0501 241001011 0773898240 002513 CSM083 FILE 2 SUNSET -60 TO 60 BX
 159641 18B+0258 241081009 0774001088 082818 CSM083 FILE 2 AFT 90 TO -15 BX
 172640 20S+0035 254143725 0778095504 145727 CSM083 FILE 3 UTOPIA FP
 177640 20S+0028 259180926 0779683792 182928 CSM083 FILE 4 FP
 184640 16B-0429 266181025 0781844000 182629 CSM083 FILE 5 SUNSET -60 TO 60 BX
 184641 21B+0300 267014030 0781940448 020112 CSM083 FILE 5 AFT 90 TO -15 BX

PAGE 3 03/23/81 VORTXII FOREGROUND EDITOR 1420 HOURS

111 413681 16B+ 132094341 0853015392 095936 CSM084 FILE 1 LAT BOX TO 60 N
112
11 421680 33B-0400 140061447 0855439200 064726 CSM084 FILE 2 TO SP LAT BOX
114 421640 16S-0018 140095610 0855486640 101205 CSM084 FILE 2 HR NIGHT FIXED
115 421681 16B+0259 140131451 0855529216 133047 CSM084 FILE 2 LAT BOX TO 60 N
116
117 427681 25B+0138 146142359 0857395456 144816 CSM084 FILE 3 LAT BOX TO 60 N
118
119 434680 33B-0330 153124159 0859533600 131438 CSM084 FILE 4 HR NIGHT FIXED
120 434640 16S-0014 153155719 0859575456 161323 CSM084 FILE 4 MA ADIM BLOCK MAP
121
122 441680 33B-0330 160161738 0861739808 165016 CSM084 FILE 5 TO SP LAT BOX
123 441640 18S-0012 160193257 0861781664 195031 CSM084 FILE 5 HR NIGHT FIXED
124 441681 24B+0129 160211738 0861804096 214155 CSM084 FILE 5 LAT BOX TO 60 N
125
126 448680 30B-0330 16720 941 863949536 203939 CSM084 FILE 6 TO SP LAT BOX
127 448640 17S-0011 1672329 3 863992256 234628 CSM084 FILE 6 HR NIGHT FP
128
129
130
131
132
133
134
135

55
56 191640 12S+0030 274041807 0784134224 043805 CSM083 FILE 6 UTOPIA FP
57
58 236680 60S-0159 320051003 0798332432 065002 CSM083 FILE 7 -15 TO -45 SH FP
59 236640 16S-0000 320063529 0798357920 065133 CSM083 FILE 7 PREDAWN FP
60 236681 27B+0114 320075103 0798374112 081819 CSM083 FILE 7 30 TO 80 NH BOX
61
62 243680 60S-0159 327041636 0800488160 051657 CSM083 FILE 8 -15 TO -45 SHFP
63 243640 16S-0000 327061538 0800513664 063200 CSM083 FILE 8 PREDAWN FP
64 243681 27B+0133 327075009 0800533920 081725 CSM083 FILE 8 30 TO 80 NH BOX
65
66 266640 16S+0022 350051352 0807597584 052956 CSM083 FILE 9 PREDAWN FP
67 266681 27B+0119 350062537 0807612960 065253 CSM083 FILE 9 15 TO 90 NH BOX
68
69 302640 16S+0008 021032448 0818682784 034052 CSM083 FILE10 PREDAWN FP
70 302681 23B+0135 021045125 0818701344 051448 CSM083 FILE10 15 TO 90 NH BOX
71
72 311680 29B-0459 029214601 0821387328 221540 CSM083 FILE11 15 TO -60 S LONG BX
73 311640 16S+0009 030025419 0821453392 031023 CSM083 FILE11 PREDAWN FP
74 311681 24B+0135 030042100 0821471968 044517 CSM083 FILE11 15 TO 90 NH BOX
75
76 315640 10S-0753 033183314 0822580304 184400 CSM083 FILE12 IRTM DIFFUSER PLATE
77 315680 27B-0700 033193254 0822593088 195925 CSM083 FILE12 TO SP LAT BOX
78 315641 16S+0012 034024616 0822685952 030220 CSM083 FILE12 PREDAWN FP
79 315681 20B+0139 034041252 0822704512 043258 CSM083 FILE12 NH LAT BOX
80
81 323680 25B-0700 041190919 0825056608 193421 CSM083 FILE13 TO SP LAT BOX
82 323640 16S+0013 042022237 0825149456 023841 CSM083 FILE13 PREDAWN FP
83 323681 20B+0139 042034918 0825168032 040924 CSM083 FILE13 NH LAT BOX
84
85 330680 31B-0659 048184414 0827211232 191505 CSM083 FILE14 TO SP LAT BOX
86 330640 16S+0013 049015732 0827304080 021336 CSM083 FILE14 PREDAWN FP
87 330681 24B+0140 049032413 0827322656 034830 CSM083 FILE14 NH LAT BOX
88
89 337680 31B-0649 055182825 0829367840 185916 CSM083 FILE15 TO SP LAT BOX
90 337640 16S+0013 056014147 0829460704 015751 CSM083 FILE15 PREDAWN FP
91 337681 24B+0140 056030823 0829479264 033240 CSM083 FILE15 N H LAT BOX
92
93 365640 16S+ 084001028 0838081136 002632 CSM083 FILE16 PREDAWN FP
94
95 372680 31B-0430 090190724 0840176192 193815 CSM083 FILE17 TO SP LAT BOX
96 372681 22B+0144 091012222 0840256544 014416 CSM083 FILE17 NH LAT BOX
97
98 379680 31B-0430 097184741 0842331968 191832 CSM083 FILE18 TO SP LAT BOX
99 379640 17S+0019 097233657 0842393952 235301 CSM083 FILE18 PREDAWN FP
100 379681 22B+0144 098010240 0842412320 012433 CSM083 FILE18 NH LAT BOX
101
102 386680 31B-0430 104182339 0844486816 185430 CSM083 FILE19 BOX SCAN
103 386681 22B+0144 105003837 0844567168 010031 CSM083 FILE19 BOX SCAN
104
105 407680 32B-0359 125235707 0851038272 002946 CSM083 FILE20 TO SP LAT BOX
106 407640 16S-0020 126033629 0851085280 035233 CSM083 FILE20 HR NIGHT FIXED
107 407681 16B+0300 126065711 0851128288 071307 CSM083 FILE20 LATITUDE BOX TO 60
108
109
110

TAPE CSM084

306080 31B	37	1110846 5	0508637440	091705	CSM021	FILE 12	AFTERNOON TROPICS
106081 62B	114	1110923 7	0508645376	102538	CSM021	FILE 12	SO-MID LATS
307040 5S-	10	112072822	0508929360	073310	CSM021	FILE 13	PREDAWN HIGH RESOLU
307001F 10	33	112081221	0508938784	081302	CSM021	FILE 13	PHOBOS COLOR
307080 19B	37	112081659	0508939776	083544	CSM021	FILE 13	AFTERNOON TROPICS
307011F 66	100	112083922	0508944576	124038	CSM021	FILE 13	MID LAT MAPPING
308040 5S-	7	113070153	0509232256	070628	CSM021	FILE 14	PREDAWN HIGH RESOLU
308001F 32	0	113071015	0509234048	071328	CSM021	FILE 14	HIGH RESOLUTION MAP
308001 26S	7	113071640	0509235424	074209	CSM021	FILE 14	ISIDIS PLANITIA EPF
308080 31B	34	113074418	0509241344	081518	CSM021	FILE 14	AFTERNOON TROPICS
308081 58B	114	113082419	0509249920	092257	CSM021	FILE 14	SO-MID LATS
309001F 40	23	114070257	0509541056	070553	CSM021	FILE 15	MONITORING 30 TO 0
309080 31B	34	114071436	0509543552	074536	CSM021	FILE 15	AFTERNOON TROPICS
310080 31B	35	115064446	0509845728	071546	CSM021	FILE 16	AFTERNOON TROPICS
310081 59B	115	115072447	0509854304	082325	CSM021	FILE 16	SO-MID LATS
311040 4S-	8	116053123	0510138576	053553	CSM021	FILE 17	PREDAWN HIGH RESOLU
311080 31B	35	116061504	0510147936	064604	CSM021	FILE 17	AFTERNOON TROPICS

TAPE NO. (CSM022) REV 312-315 4 FILES

312040 43B-	229	117024021	0510410496	032345	CSM022	FILE 1	GLOBAL MIDNITE
312080 18B	38	117054821	0510450784	060640	CSM022	FILE 1	AFTERNOON TROPICS
312001F 48	100	117061036	0510455552	061622	CSM022	FILE 1	MID LAT MAPPING
312081 2B	115	117062514	0510458688	072745	CSM022	FILE 1	SO MID LATS
312055F 42	400	117091042	0510494144	091748	CSM022	FILE 1	MONITORING 10DEG TO
313001 7S-	659	117214106	0510654944	224828	CSM022	FILE 2	DIFFUSER
313060 8S-	539	117230104	0510672080	230923	CSM022	FILE 2	IRTM DIFFUSER PLATE
313040 4S-	7	118043316	0510743264	043755	CSM022	FILE 2	PREDAWN HIGH RESOLU
313002 25S	8	118044906	0510746656	051416	CSM022	FILE 2	AMAZONIS PLANITIA E
313080 27B	45	118052541	0510754496	055257	CSM022	FILE 2	AFTERNOON TROPICS
314001F 10-	44	119032649	0511037600	032731	CSM022	FILE 3	PHOBOS COLOR
314040 5S-	7	119040347	0511045520	040828	CSM022	FILE 3	PREDAWN HIGH RESOLU
314011F 40	1	119041213	0511047328	041603	CSM022	FILE 3	HIGH RESOLUTION MAP
314080 36B	35	119044626	0511054656	052239	CSM022	FILE 3	AFTERNOON TROPICS
314081 59B	115	119052627	0511063232	062505	CSM022	FILE 3	SO-MID LATS
314001 40B	220	119063124	0511077152	071136	CSM022	FILE 3	INSTR LITE/DARK
315040 43B-	229	120011218	0511317344	015542	CSM022	FILE 4	GLOBAL MIDNITE
315001F 30-	59	120024239	0511336704	025459	CSM022	FILE 4	PHOBOS AT 1500 KM
315081 36B	35	120041720	0511356992	045333	CSM022	FILE 4	AFTERNOON TROPICS
315001 34B	130	120051217	0511368768	054607	CSM022	FILE 4	SOLIS PLANUM LAMBDA

085101 335-0024 312141434 0772141840 144804 ESM006 FILE 8 FIXED CONE-CLOCK
085121F 08+0015 312144840 0772149152 145523 ESM006 FILE 8 KOROLEV - COLOR
085181 118+0015 312145524 0772150592 150702 ESM006 FILE 8 108 N POLE 70-85N
085182 148+0029 312150917 0772153568 152352 ESM006 FILE 8 55-70N
085183 118+0049 312152918 0772157856 154027 ESM006 FILE 8 30-55N
085184 148+0104 312154414 0772161056 155804 ESM006 FILE 8 0-30N
085140 258+0124 312160415 0772165344 162916 ESM006 FILE 8 IRTM - GLOBAL EVEN

TAPE # ESM007 REVS 118-131 12 FILES D- 30934

118110 838+1893 350004502 0783694080 012258 ESM007 FILE 1 OFFSETS AT TURN-ON

119140 108-0025 350131941 0783855792 132951 ESM007 FILE 2 PHOBOS AT 2800KM
119181 148+0017 350140322 0783865152 141721 ESM007 FILE 2 N. POLE SEQUENCE A
119182 248+0033 350141921 0783868576 144338 ESM007 FILE 2 30-70N SEQUENCE B
119183 628+0059 350144520 0783874144 154750 ESM007 FILE 2 -60 TO 30 SEQUENCE

120101F 6-0559 351103307 0784128672 103330 ESM007 FILE 3 S. POLE VIOLET SURV
120111F 6-0556 351103606 0784129312 103630 ESM007 FILE 3 S. POLE VIOLET SURV
120180 498-0259 351133246 0784167168 142142 ESM007 FILE 3 SP3.00.5
120121F 18+0006 351163935 0784207200 164052 ESM007 FILE 3 N. POLE MAPPING
120141F 18+0009 351164149 0784207680 164306 ESM007 FILE 3 N. POLAR MAPPING
120161F 16+0011 351164355 0784208128 164503 ESM007 FILE 3 N. POLAR MAPPING
120181F 14+0013 351164636 0784208704 164735 ESM007 FILE 3 N. POLAR MAPPING
120182 258+0034 351170646 0784213024 173103 ESM007 FILE 3 30-75N SEQUENCE B

121101F 8-0028 352185204 0784544160 185236 ESM007 FILE 4 PHOBOS COLOR
121181 148+0017 352193822 0784554080 195221 ESM007 FILE 4 N. POLE SEQUENCE A
121182 248+0034 352195429 0784557536 201846 ESM007 FILE 4 30-70N SEQUENCE B
121183 628+0100 352202028 0784563104 212259 ESM007 FILE 4 -60 TO 30 SEQUENCE

122101F 24+0005 353221350 0784895968 221534 ESM007 FILE 5 N. POLAR MAPPING
122131F 11+0008 353221649 0784896608 221735 ESM007 FILE 5 N. POLAR MAPPING
122181F 11+0010 353221846 0784897024 221931 ESM007 FILE 5 N. POLAR MAPPING
122151F 26+0013 353222136 0784897632 222329 ESM007 FILE 5 N. POLAR MAPPING
122182 248+0034 353224231 0784902112 230648 ESM007 FILE 5 30-70N SEQUENCE B

123181 148+0022 355011433 0785243264 012832 ESM007 FILE 6 N. POLE SEQUENCE A
123182 248+0033 355013032 0785246688 015449 ESM007 FILE 6 30-75N SEQUENCE B
123183 638+0059 355015631 0785252256 025902 ESM007 FILE 6 -60 TO +30 SEQUENCE
123120 508-1848 355144330 0785416608 145156 ESM007 FILE 6 OFF PLANET TURN ON

124101F053-0009 356033623 0785582224 040128 ESM007 FILE 7 CIRCUM POLAR TARGET
124181 368+0017 356040346 0785588096 044000 ESM007 FILE 7 SEQUENCE AB
124183 638+0059 356044544 0785597088 054815 ESM007 FILE 7 -60 TO +30 SEQUENCE

125101F 41-0010 357060337 0785922347 063124 ESM007 FILE 8 DUNES, CRATER +3 CLR
125181 408+0016 357063129 0785928315 071015 ESM007 FILE 8 SEQ AB NOT DNLC
125101 278+0131 357074600 0785944288 081334 ESM007 FILE 8 W.H. NO. 1

126101F014-0013 358083023 0786262368 085131 ESM007 FILE 9 DUNES
126121F032+0008 358085131 0786266896 085814 ESM007 FILE 9 ICE CAP VALLEY
181 368+0020 358090341 0786269504 093954 ESM007 FILE 9 SEQ AB NOT DNLC

127130 928-0112 359100032 0786590256 102859 ESM007 FILE 10 25/308 AREA

1 101F 22-0012 359105936 0786602912 112151 ESM007 FILE 10 PLAINS
12. 141F 30+0009 359112153 0786607696 112937 ESM007 FILE 10 NORTH POLAR CAP
130101 60S+0030 362193406 0787638880 203422 ESM007 FILE 11 CANYON HIGH RES.
131101F 96-0614 363145809 0787888320 151618 ESM007 FILE 12 S. POLARRSURVEY-4CLR
131140 41B-0553 363151904 0787892800 160004 ESM007 FILE 12 SP6. 00. 25
131141 32B-0439 363163402 0787908864 170640 ESM007 FILE 12 SP4. 450. 5
131101 36S-0401 363171122 0787916864 174722 ESM007 FILE 12 S. POLAR LAMBDA SCA
131142 39B-0324 363174859 0787924928 182701 ESM007 FILE 12 SP3. 300. 5

TAPE # ESM008 REVS 132-142 10 FILES

D-30935

132183 61B+0106 365004847 0788323456 014922 ESM007 FILE 1 SEQUENCE C
134101F052+0000 001044106 0788990368 045707 ESM008 FILE 2 POLAR CAP, KOROLEV
134181 36B+0017 001045840 0788994144 053454 ESM008 FILE 2 SEQUENCE AB
134183 63B+0059 001054038 0789003136 064309 ESM008 FILE 2 SEQUENCE C
135101F052+0005 002071615 0789332192 072521 ESM008 FILE 3 POLAR CAP STEREO 1
135181 36B+0017 002072846 0789334880 080500 ESM008 FILE 3 SEQUENCE AB
136101F 4-0021 003091926 0789667168 091939 ESM008 FILE 4 END OF KEPLER DORSU
136181 36B+0017 003095901 0789675648 103515 ESM008 FILE 4 SEQUENCE AB
136183 63B+0059 003104059 0789684640 114330 ESM008 FILE 4 SEQUENCE C
1 101F036+0005 004121653 0790013760 122649 ESM008 FILE 5 OUTLIER COLOR
1. 181 36B+0018 004122907 0790016384 130521 ESM008 FILE 5 SEQUENCE AB
138101F056-0009 005143042 0790351008 145441 ESM008 FILE 6 79/355MTD 74/308
138181 36B+0017 005145829 0790356960 153442 ESM008 FILE 6 SEQUENCE AB
138183 62B+0059 005154026 0790365952 164257 ESM008 FILE 6 SEQUENCE C
139101F 44+0007 006171646 0790695168 172233 ESM008 FILE 7 DUNES, 70-75 NORTH
139181 36B+0017 006172723 0790697440 180337 ESM008 FILE 7 SEQUENCE AB
140101F042+0005 007194355 0791035264 195359 ESM008 FILE 8 VALLEY, DUNES: 70-75N
140181 36B+0018 007195626 0791037952 203240 ESM008 FILE 8 SEQUENCE AB
140183 62B+0059 007203824 0791046944 214055 ESM008 FILE 8 SEQUENCE C
141101F027+0009 008221752 0791376832 222236 ESM008 FILE 9 POLAR PLN, 70-75 NOR
141181 36B+0017 008222624 0791378656 230237 ESM008 FILE 9 SEQUENCE AB
142101F038-0611 009182737 0791636064 183622 ESM008 FILE 10 S. POLAR SURVEY
142140 41B-0559 009183908 0791638528 192008 ESM008 FILE 10 SP6. 00. 25
142141 40B-0400 009203903 0791664224 211909 ESM008 FILE 10 SP4. 00. 5
142101 16S-0317 009212127 0791673312 223729 ESM008 FILE 10 S. POLAR LAMBDA SCA
142142 57B-0200 009223906 0791689952 233646 ESM008 FILE 10 SP2. 00. 5
142181 36B+0017 010005706 0791719520 013319 ESM008 FILE 10 SEQUENCE AB
142183 62B+0059 010013903 0791728512 024134 ESM008 FILE 10 SEQUENCE C

TAPE # ESM009 REVS 143-152 10 FILES

D-30936

1 101F036+0008 011031756 0792058272 032322 ESM009 FILE 1 FROSTY CRATER
143181 36B+0018 011032730 0792060320 040343 ESM009 FILE 1 SEQUENCE AB
143161F 8+0114 011042347 0792072384 042419 ESM009 FILE 1 PHOBOS NORTH POLE C

14111F066+0007 012054623 0792398656 055509 ESM009 FILE 2 N POLAR STEREO I
144181 36B+0017 012055642 0792400864 063256 ESM009 FILE 2 NORTH SEQUENCE AB
144182 63B+0059 012063840 0792409856 074110 ESM009 FILE 2 -60 TO +30 - SEQUEN
145180 39B-0600 013020748 0792660384 024625 ESM009 FILE 3 SP6. 00. 25
145181 33B-0400 013040742 0792686080 044057 ESM009 FILE 3 SP4. 00. 75
145182 49B-0245 013052249 0792702176 061118 ESM009 FILE 3 SP2. 450. 5
145183 17B+0001 013081004 0792738016 082702 ESM009 FILE 3 IRTM HI-RES NORTH P
146101 08B-1546 014003710 0792949536 023638 ESM009 FILE 4 1365/L S.P. FIX C/C
146301 06B-0800 014023638 0792975136 025336 ESM009 FILE 4 1365/LS.P PRAT 2
146101F034+1704 014223547 0793232096 224405 ESM009 FILE 4 S POLAR V SURVEY
147111F060+0008 015131503 0793420512 132022 ESM009 FILE 5 POLAR STEREO I
147181 36B+0017 015132419 0793422496 140033 ESM009 FILE 5 NORTH SEQUENCE AB
147182 62B+0059 015140617 0793431488 150847 ESM009 FILE 5 -60 TO +30 - SEQU
147180 25B+0259 015160621 0793457216 163149 ESM009 FILE 5 WHOLE DISK S HEMISP
148101 60S-0959 016053642 0793630864 073647 ESM009 FILE 6 120S S. POLE FIXED
149111F 16-0046 017172027 0794090240 172135 ESM009 FILE 7 PHOBOS COLOR CALIBR
150101 99S-0959 018103721 0794312432 123726 ESM009 FILE 8 120S S POLE FIXED C
151180 36B+0018 019232434 0794785408 000048 ESM009 FILE 9 NORTH - SEQUENCE AB
151181 58B+0100 020000632 0794794400 010416 ESM009 FILE 9 -60 TO 30 - SEQUENC
152101 60S-0959 020153550 0794993536 173555 ESM009 FILE 10 120S S POLE FIXED C
152180 15B+0900 021103533 0795237760 105034 ESM009 FILE 10 SP+9. 00. 75
152181 13B+1646 021123528 0795263456 124824 ESM009 FILE 10 SP+11. 00. 75
152101F048+1701 021124823 0795266224 135455 ESM009 FILE 10 S POLAR SURVEY VCGR

TAPE # ESM010 REVS 153-163 10 FILES D-30937

153180 31B-1770 021154029 0795303104 161156 ESM010 FILE 1 SP12. 40. 25
153181 16B-1570 021174024 0795328800 175628 ESM010 FILE 1 SP10. 40. 75
153182 29B-0839 021192429 0795351104 195400 ESM010 FILE 1 SP8. 40. 25
154101 99S-0959 022203442 0795674720 223441 ESM010 FILE 2 136 S/L S.P. FIX C/
154301 16S-0759 022223446 0795700448 225108 ESM010 FILE 2 136 SIL PT. 2
154111F056+0013 023064800 0795806144 065310 ESM010 FILE 2 ARTIC PLAINS STEREO
154181 39B+0019 023065350 0795807392 073227 ESM010 FILE 2
154182 62B+0059 023073418 0795816064 083649 ESM010 FILE 2
156101 60S-0959 025013543 0796356368 033548 ESM010 FILE 3 120S S POLE FIXED C
157121F036-1649 026030132 0796683328 030615 ESM010 FILE 4 S HEMI GEODESY R/V
158101 60S-0956 027063408 0797037456 083413 ESM010 FILE 5 120S S POLE FIXED C
158181 34B+0459 027213348 0797230240 220738 ESM010 FILE 5 SOUTHERN HEM WHOLE
159119F036-1662 028074640 0797361568 081457 ESM010 FILE 6 S HEMI GEODESY R/V
159119F063+0011 028191420 0797508928 192004 ESM010 FILE 6 ARTIC PLAINS
159181 37B+0017 028192054 0797510336 195708 ESM010 FILE 6 SEQUENCE AB
159182 61B+0059 028200252 0797519328 210327 ESM010 FILE 6 SEQUENCE C

160101 99S-1546 029113237 0797718560 133242 ESM010 FILE 7 120S S POLE FIXED C
160181 34B+0459 030023212 0797911328 030603 ESM010 FILE 7 SOUTHERN HEM WHOLE
161101F036-1649 030125906 0798045664 130349 ESM010 FILE 8 S HEMI GEODESY R/V
162181 39B+0459 032073224 0798592800 081102 ESM010 FILE 9 SOUTHERN HEM WHOLE
163121F036-1663 032174545 0798724224 181451 ESM010 FILE 10 S HEMI GEODESY R/V

TAPE # ESM011 REVS 167-152 8 FILES

D-30938

164140 41B-0558 034013242 0799132864 021343 ESM011 FILE 1 SP6.00.25
164141 40B-0359 034033237 0799158560 041244 ESM011 FILE 1 SP4.00.5
164142 60B-0159 034053241 0799184288 063217 ESM011 FILE 1 SP2.00.5
164101F034+0011 034074414 0799212480 074942 ESM011 FILE 1 ARTIC PLAINS
164181 36B+0017 034075040 0799213856 082654 ESM011 FILE 1 SEQUENCE AB
164182 61B+0059 034083238 0799222848 093312 ESM011 FILE 1 SEQUENCE C
164183 39B+0459 034123237 0799274272 131114 ESM011 FILE 1 SOUTHERN HEM. WHOLE
165121F036-1666 034224055 0799404624 230954 ESM011 FILE 2 S HEMI GEODESY R/V
166101 37S+0000 036123056 0799891056 130759 ESM011 FILE 2 FIXED C/C N POLAR-E
166181 34B+0500 036173035 0799955264 180425 ESM011 FILE 3 SOUTHERN HEM WHOLE
1 121F 36+1115 037034214 0800086336 034657 ESM011 FILE 4 S HEMI GEODESY R/V
16/101 37S+ 0 037150044 0800231728 153748 ESM011 FILE 4 FIXED C/C N POLAR-E
168101F064+0011 038174233 0800574976 174801 ESM011 FILE 5 ARTIC PLAINS
168181 17B+0018 038174859 0800576352 180503 ESM011 FILE 5 SEQUENCE AB (TRUNCA
168175F 20+0035 038180618 0800580064 180744 ESM011 FILE 5 N POLAR SYNOPTIC
168182 61B+0100 038183057 0800585344 193131 ESM011 FILE 5 SEQUENCE C
168183 32B+0500 038223056 0800636768 230223 ESM011 FILE 5 SOUTHERN HEM WHOLE
169101F036-1679 039082815 0800764768 083307 ESM011 FILE 6 S HEMI GEODESY R/V
169101 38S+0000 039200119 0800913280 203916 ESM011 FILE 6 FIXED C/C N POLAR-E
170140 41B-0558 040163114 0801176832 171214 ESM011 FILE 7 SP6.00.25
170141 37B-0409 040182117 0801200416 185834 ESM011 FILE 7 SP4.00.5
170100 15B-0319 040191110 0801211104 202649 ESM011 FILE 7 S POLAR 75B
170142 61B-0159 040203112 0801228256 213245 ESM011 FILE 7 SP2.00.5
170101 38S+0000 040223112 0801253968 230909 ESM011 FILE 7 FIXED C/C N POLAR-E
170144 34B+0800 041063114 0801356832 070504 ESM011 FILE 7 SOUTHERN HEM WHOLE
171181 34B+0018 042011824 0801598368 015223 ESM011 FILE 8 SEQUENCE AB
171101F056+0054 042015450 0801606176 020053 ESM011 FILE 8 ARTIC SURVEY
171182 59B+0104 042020423 0801608224 030301 ESM011 FILE 8 SEQUENCE C

TAPE # ESM012 REVS 172-186 14 FILES

D-30939

172101 38S+0000 043032936 0801935056 040733 ESM012 FILE 1 FIXED C/C N POLAR-E
172101F036+1691 043151450 0802086176 151607 ESM012 FILE 1 S HEMI GEODESY R/V
173101 38S+0000 044055907 0802275664 063704 ESM012 FILE 2 FIXED C/C N POLAR-E

1701 38S+0000 045082904 0802616368 090701 ESM012 FILE 3 FIXED C/C N POLAR-E
1701F036+1678 045200104 0802764640 201900 ESM012 FILE 3 S HEMI GEODESY R/V
174300 520+1696 045201900 0802768496 203954 ESM012 FILE 3 '14/317 TO '18/315

175101 37S+0000 046105901 0802957072 113658 ESM012 FILE 4 FIXED C/C N POLAR-E

176101 38S+0000 047132921 0803297856 140717 ESM012 FILE 5 FIXED C/C N POLAR-E
176101F036+1603 048002550 0803438528 004911 ESM012 FILE 5 S HEMI GEODESY R/V

177101 38S+0011 048161033 0803640972 163706 ESM012 FILE 6 FIXED C/C N POLAR-E
177140 23B+0800 048235848 0803741312 002136 ESM012 FILE 6 SOUTH POLAR DIURNA
177141 16B+1746 049035847 0803792736 041451 ESM012 FILE 6 SOUTH POLAR DIURNAL

178140 22B-0959 049082753 0803850400 084911 ESM012 FILE 7 SOUTH POLAR DIURNAL
178101 38S+0000 049182808 0803979024 190622 ESM012 FILE 7 FIXED C/C N POLAR-E
178101F 36+1603 050052514 0804119824 055442 ESM012 FILE 7 S HEMI GEODESY R/V

179181 36B+0018 050211444 0804323296 215058 ESM012 FILE 8 SEQUENCE AB
179182 46B+0100 050215642 0804332288 224229 ESM012 FILE 8 SEQUENCE C

180140 31B+ 051214120 0804637568 221207 ESM012 FILE 9 SO HEMISPHERE PREDA
180181 36B+ 051234414 0804663904 002028 ESM012 FILE 9 SEQUENCE AB
180182 48B+ 052002621 0804672928 011431 ESM012 FILE 9 SEQUENCE C
180101F036+1605 052102529 0804801312 105155 ESM012 FILE 9 S HEMI GEODESY R/V

181140 31B-0144 053001153 0804978400 004240 ESM012 FILE 10 SO HEMISPHERE PREDA

182101 46B-0340 054004700 0805294496 013359 ESM012 FILE 11S POLAR DIURNAL HE
182180 36B-0250 054013702 0805305216 021315 ESM012 FILE 11S POLAR MAPPING
182101FH36+1603 054152445 0805482576 153211 ESM012 FILE 11S HEMI GEODESY R/V

183180 30B-0320 055033649 0805639456 050630 ESM012 FILE 12 S POLAR MAPPING
183300 526-0036 055062000 0805674416 064601 ESM012 FILE 12 OFF PLANT

184180 29B-0320 056060601 0805980000 073543 ESM012 FILE 13S POLAR MAPPING

186180 30B+ 058110426 0806661088 123407 ESM012 FILE 14 S POLAR MAPPING
186140 31B+ 058123924 0806681440 131025 ESM012 FILE 14 SO HEMISPHERE PREDA

TAPE # ESM013 REVS 187-205 8 FILES D-30940

187101FH36+ 059105213 0806967024 122528 ESM013 FILE 1 ARGYRE, SO. POLAR
187101 37B+ 059125422 0806993216 133129 ESM013 FILE 1 S POLAR DIURNAL HEL
187180 29B-0320 059133414 0807001760 150355 ESM013 FILE 1 S POLAR MAPPING
187140 31B-0144 059150921 0807022144 154022 ESM013 FILE 1 SO HEMISPHERE PREDA

188180 30B-0319 060160429 0807342528 173411 ESM013 FILE 2 S POLAR MAPPING
188140 31B+ 060173928 0807362880 181028 ESM013 FILE 2 SO HEMISPHERE PREDA
188101FH60+ 060194224 0807389232 195115 ESM013 FILE 2 SO HEMI SHP, VL-2

190140 31B+ 062205356 0808021696 212443 ESM013 FILE 3 SO HEMISPHERE PREDA
190141 10B+ 062224529 0808045600 225517 ESM013 FILE 3 N POLAR HIGH RESOLU
190180 32B+ 062225650 0808048032 232835 ESM013 FILE 3 SEQUENCE AB
191181 21B+ 062233848 0808057024 235921 ESM013 FILE 3 SEQUENCE C

191101F040+ 063172305 0808285088 182648 ESM013 FILE 4 S POLAR CAP MAPPING

15 80 32B+ 064102245 0808503584 105430 ESM013 FILE 4 S HEMI DIURNAL
192180 31B+ 064120605 0808525728 123750 ESM013 FILE 5 S HEMI DIURNAL
192181 29B+ 064133608 0808545024 140548 ESM013 FILE 5 S HEMI DIURNAL
192182 29B+ 064150611 0808564320 153550 ESM013 FILE 5 S HEMI DIURNAL
192183 33B+0000 064163605 0808583584 170955 ESM013 FILE 5 S HEMI DIURNAL
192184 38B+0000 064180608 0808602880 184409 ESM013 FILE 5 S HEMI DIURNAL
192185 40B+0000 064193611 0808622176 201617 ESM013 FILE 5 S HEMI DIURNAL
192186 51B-0259 064210604 0808641440 215759 ESM013 FILE 5 S HEMI DIURNAL

201101FH64-1748 073181202 0811381280 064603 ESM013 FILE 6 S. POLAR DISK, VL 2

202180 95B-0400 075025236 0811801408 042704 ESM013 FILE 7 SPO4. 00. 25
202181 34S+0013 075070637 0811855840 074032 ESM013 FILE 7 +47. 9 EMISSION PHAS

205141 8B+0006 078085157 0812804128 085931 ESM013 FILE 8
205180 31B+0017 078090301 0812806496 093446 ESM013 FILE 8 SEQUENCE AB

TAPE # ESM014 REVS 210-234 19 FILES D-30941

210180 63B-1671 083001643 0814236576 011950 ESM014 FILE 1 SP DIURNAL 0. 25
210181 68B-0954 083014646 0814255872 025403 ESM014 FILE 1 SP DIURNAL 0. 25
210182 67B-0755 083034641 0814281568 045358 ESM014 FILE 1 SP DIURNAL 0. 25
210183 68B-0554 083054645 0814307296 065402 ESM014 FILE 1 SP DIURNAL 0. 25
210184 18B-0355 083074640 0814332992 090424 ESM014 FILE 1 SP DIURNAL 0. 25
210185 67B-0229 083091147 0814351232 101801 ESM014 FILE 1 SP DIURNAL 0. 25

21101FH90-1605 084011329 0814557856 015206 ESM014 FILE 2 FULL-DISK SO HEMISP

212181 58B+0013 085130157 0815017696 135941 ESM014 FILE 3 AB SEQUENCE

214101 20B-0214 087113915 0815617120 115926 ESM014 FILE 4 HI-RESOL RESIDUAL C

215140 17B-0034 088135117 0815953984 140842 ESM014 FILE 5 IVS CHASMA PREDAWN
215141 18B+0002 088142819 0815961920 144638 ESM014 FILE 5 N POLAR HI RES
215180 5B+0024 088145017 0815966624 145509 ESM014 FILE 5
215101F 32+0030 088145641 0815968000 145901 ESM014 FILE 5 VL-2 SITE

219101 23B-0359 092123017 0817170912 135334 ESM014 FILE 6 SOUTH POLAR MAPPING

220141 11B+0011 093171157 0817539840 172248 ESM014 FILE 7 NORTH POLAR
220101F 32+0026 093172617 0817542912 172837 ESM014 FILE 7 VL-2 SITE
220101 10B+0030 093173019 0817543776 174025 ESM014 FILE 7 VL-2 SITE

221140 58B-0315 094141434 0817810400 151245 ESM014 FILE 8 SP 3. 00. 5

222101 58B-0315 095144400 0818125280 154211 ESM014 FILE 9 S POLE MAPPING

225101F 24-0429 098145619 0819053632 150933 ESM014 FILE 10 SO HEMISPHERE SURVE

226180 58B-0302 099165138 0819386912 174948 ESM014 FILE 11 SP 3. 50. 5
226101FH10+0026 099201827 0819431776 203150 ESM014 FILE 11 VL-2 SITE

2 81 48S+0015 100203816 0819744048 212957 ESM014 FILE 12 N LAT MAPPING

228140 13B+0045 101213618 0820065056 214923 ESM014 FILE 13 PEAK TEMP MAPPING

227140 13B+0045 102220442 0820379712 221747 ESM014 FILE 14 PEAK TEMP MAPPING
230140 11B+0045 103223256 0820694336 224338 ESM014 FILE 15 PEAK TEMP MAPPING
231101FH30+0042 104225855 0821008464 231210 ESM016 FILE 16 NO HEMISPHERE SURVE
232101 62B-0229 105201424 0821281792 211637 ESM014 FILE 17 S POLE MAPPING
233141 24B+0013 106232449 0821631168 234813 ESM014 FILE 18 NORTH POLAR
233140 15B+0040 106235245 0821637152 000711 ESM014 FILE 18 PEAK TEMP MAPPING
234101 66B-0228 107211111 0821911104 221717 ESM014 FILE 19 S POLE MAPPING

TAPE # ESM015 REVS237-253 15 FILES D-30942

237140 20S+0006 110214332 0822843744 220333 ESM015 FILE 1 NORTH POLAR STRIP
237180 27B+0029 110220614 0822848608 223352 ESM015 FILE 1 NORTHERN MID-LATS
238180 27B+0026 111204809 0823140448 211547 ESM015 FILE 2 NORTHERN MID-LATS
239180 27B+0027 112193303 0823432928 200042 ESM015 FILE 3 NORTHERN MID-LATS
240140 20S+0008 113175815 0823721184 181817 ESM015 FILE 4 NORTH POLAR STRIP
240180 28B+0030 113182057 0823726048 184836 ESM015 FILE 4 NORTHERN MID-LATS
241182 21B-0616 114101708 0823930944 113845 ESM015 FILE 5 SP6. 00. 25
241101F 96-0451 114114232 0823949248 115546 ESM015 FILE 5 SO. HEMISPHERE FULL
241183 55B-0416 114121712 0823956672 131250 ESM015 FILE 5 SP4. 30. 50
241184 16B-0241 114135210 0823977024 150843 ESM015 FILE 5 SP2. 70. 5
241101 21B-0056 114153709 0823999520 155805 ESM015 FILE 5 INSTR LITE/DARK
242101F 10-0006 115151017 0824302336 151058 ESM015 FILE 6 PHOBOS COLOR
242180 28B+0028 115154559 0824309984 161338 ESM015 FILE 6 NORTHERN MID-LATS
242111F 10+0119 115163618 0824320768 163659 ESM015 FILE 6 AREAS VALLIS COLOR
243140 20S+0009 116141013 0824598032 143014 ESM015 FILE 7 NORTH POLAR STRIP
243180 28B+0032 116143250 0824602880 150029 ESM015 FILE 7 NORTHERN MID-LATS
244180 28B+0029 117131436 0824894688 134215 ESM015 FILE 8 NORTHERN MID-LATS
244101F 12+0120 117140504 0824905504 140555 ESM015 FILE 8 CRATERED AREA, 320
245140 20S+0005 118113434 0825181824 115436 ESM015 FILE 9 NORTH POLAR STRIP
245180 27B+0027 118115716 0825186688 122455 ESM015 FILE 9 NORTHERN MID-LATS
245101F 24+0115 118124436 0825196832 124817 ESM015 FILE 9 SYRTIS MAJOR COLOR
246140 20S+0004 119101853 0825474176 103855 ESM015 FILE 10 NORTH POLAR STRIP
246180 28B+0027 119104135 0825479040 110913 ESM015 FILE 10 NORTHERN MID-LATS
246101F 24+0115 119112855 0825489184 113235 ESM015 FILE 10 ISIDIS AND CRATERS/
247140 20S+0004 120090240 0825766416 092242 ESM015 FILE 11 VL-2 STRIP
247180 27B+0027 120092518 0825771264 095256 ESM015 FILE 11 NORTHERN MID-LATS
247101F 40+0100 140095741 0825778408 100234 ESM015 FILE 11 NO HEMISPHERE MONIT
248182 62B-0600 121014044 0825980288 024203 ESM015 FILE 12 SP6. 00. 25
248101F 92-0455 121024608 0825994304 025927 ESM015 FILE 12 SO HEMISPHERE FULL-

24 33 51B-0420 121032048 0826001728 041157 ESM015 FILE 12 SP4. 30. 50
248184 65B-0245 121045546 0826022080 060022 ESM015 FILE 12 SP2. 70. 5
248101 31S-0134 121060611 0826037168 063742 ESM015 FILE 12
250140 20S+0004 123051348 0826643088 053350 ESM015 FILE 13 NORTH POLAR STRIP
250180 45B+0029 123053822 0826648352 062307 ESM015 FILE 13 NORTHERN HEMIS MAP
252140 12S+0012 125024949 0827229376 030151 ESM015 FILE 14 NORTH POLAR SURVEY
252180 37B+0027 125030530 0827232736 034255 ESM015 FILE 14 N MID LAT MAP
252181 33B+0105 125034326 0827240864 041640 ESM015 FILE 14 EQUATORIAL NOON MAP
253180 38B+0027 126014949 0827525088 022714 ESM015 FILE 15 N MID LAT MAP

TAPE # ESM016 REVS 254-267 FILES 13 D-30943

254101FH96-0559 126180319 0827734240 181927 ESM016 FILE 1 SO HEMI FULL-DISK
254184 11B-0230 126213531 0827779168 224606 ESM016 FILE 1 SP2. 50. 75
255180 38B+0028 127231647 0828109440 235413 ESM016 FILE 2 N MID LAT MAP
255181 37B+0105 127235452 0828117600 003106 ESM016 FILE 2 EQUATORIAL NOON MAP
256180 35B+0027 128220012 0828401600 223505 ESM016 FILE 3 N MID LAT MAP
257180 35B+0027 129204431 0828693952 211924 ESM016 FILE 4 N MID LAT MAP
257181 38B+0105 129212226 0828702080 220010 ESM016 FILE 4 EQUATORIAL NOON MAP
25 01FH40+0000 130135857 0828916160 142032 ESM016 FILE 5 SO POLE COLOR
256182 66B+0000 130155114 0828939680 165720 ESM016 FILE 5 SP3. 00. 75
258184 21B+0000 130170108 0828954656 172252 ESM016 FILE 5 HI RES SP REM CAP
258180 34B+0000 130192907 0828986368 200400 ESM016 FILE 5 N MID LAT MAP
259140 13S+0012 131175758 0829275408 181001 ESM016 FILE 6 NORTH POLAR SURVEY
259101F 72+0032 131181830 0829279808 182751 ESM016 FILE 6 UTOPIA PLANITIA
259180 29B+0044 131183036 0829282400 185944 ESM016 FILE 6 N MID-LAT MAP
260180 36B+0027 132165726 0829571008 173354 ESM016 FILE 7 N MID-LAT MAP
260181 29B+0105 132173522 0829579136 180439 ESM016 FILE 7 EQUATORIAL NOON MAP
262101F 21-0556 134075702 0830072352 080646 ESM016 FILE 8 SO HEMI FULL-DISK
262182 41B-0530 134082637 0830078688 090719 ESM016 FILE 8 SP5. 50. 25
262183 41B-0400 134095640 0830097984 103722 ESM016 FILE 8 SP4. 00. 50
262101 46B-0250 134110633 0830112960 115238 ESM016 FILE 8 SPOLE WAVE SCAN
262184 40B-0200 134115635 0830123680 123623 ESM016 FILE 8 SP2. 01. 0
262181 26B+0119 134151632 0830166528 154237 ESM016 FILE 8 EQUATORIAL NOON MAP
263180 37B+0027 135130835 0830447680 134502 ESM016 FILE 9 N MID-LAT MAP
263181 28B+0105 135134639 0830455840 141431 ESM016 FILE 9 EQUATORIAL NOON MAP
264140 12S+0012 136113717 0830736688 114919 ESM016 FILE 10 NORTH POLAR SURVEY
264180 16B+0026 136115159 0830739840 120719 ESM016 FILE 10 N MID-LAT PART1
264101F 30+0045 136121021 0830743776 121643 ESM016 FILE 10 NO HEMI MONITORING
264380 27B+0053 136121852 0830745600 124533 ESM016 FILE 10 N MID LAT PART2
265180 36B+0027 137103730 0831032448 111357 ESM016 FILE 11 N MID-LAT MAP
265181 29B+0105 137111526 0831040576 114429 ESM016 FILE 11 EQUATORIAL NOON MAP

266140 30S+0000 138084911 0831317808 091913 ESM016 FILE 12 LIMB-TO-LIMB FIXED
266180 30B+0000 138093354 0831327392 100302 ESM016 FILE 12 NORTHERN LATITUDE M
267101F 21-0614 139012254 0831530752 013211 ESM016 FILE 13 SO. HEMISPHERE SURV
267183 45B-0430 139030736 0831553184 035247 ESM016 FILE 13 SP4. 50.75
267169F 10-0329 139040755 0831566112 040837 ESM016 FILE 13 SO. POLAR COLOR
267184 44B-0246 139045105 0831575360 053550 ESM016 FILE 13 SP2. 51.25
267101 18B-0200 139053732 0831585312 055550 ESM016 FILE 13 S. POLE LAMBDA SCAN

TAPE # ESM017 REVS 268-292 20 FILES D. 30944

268180 30B+ 140070053 0831911744 073001 ESM017 FILE 1 NORTHERN LATITUDE M
269101F 30+0040 141054444 0832204000 055106 ESM017 FILE 2 NO. HEMISPHERE MONI
269180 29B+0050 141055418 0832206048 062326 ESM017 FILE 2 NORTHERN LATITUDE M
270140 30S-0004 142034353 0832486672 041355 ESM017 FILE 3 LIMB-TO-LIMB FIXED
270180 29B+0039 142042827 0832496224 045704 ESM017 FILE 3 NORTHERN LATITUDE M
271180 28B+0039 143031313 0832788672 034149 ESM017 FILE 4 NORTHERN LATITUDE M
272180 29B+0041 144015740 0833081056 022617 ESM017 FILE 5 NORTHERN LATITUDE M
275101F 21-0615 146151312 0833868672 152608 ESM017 FILE 6 SO HEMISPHERE SURVE
275183 46B-0429 146165847 0833891296 174435 ESM017 FILE 6 SP4. 50.75
27 84 56B-0259 146182850 0833910592 192447 ESM017 FILE 6 SP2. 51.25
27 101 17B-0200 146192843 0833923424 194514 ESM017 FILE 6 S POLE LAMBDA SCAN
275102 11B-0140 146194844 0833927712 195917 ESM017 FILE 6 S POLE REMNANT CAP
276140 30S-0004 147200757 0834240400 203759 ESM017 FILE 7 LIMB-TO-LIMB FIXED
276180 29B+0039 147205240 0834249984 212117 ESM017 FILE 7 NORTHERN LATITUDE M
277101F 30+0040 148193716 0834542400 194302 ESM017 FILE 8 NO HEM MONITORING
277180 30B+0049 148194659 0834544480 201607 ESM017 FILE 8 NORTHERN LATITUDE M
278180 29B+0039 149182126 0834834720 185003 ESM017 FILE 9 NORTHERN LATITUDE M
279180 29B+0039 150170545 0835127072 173422 ESM017 FILE 10 NORTHERN LATITUDE M
279101F 12+0130 150175604 0835137856 180302 ESM017 FILE 10 CANYON DUSTSTORM CO
280140 30S-0004 151150453 0835409744 153455 ESM017 FILE 11 LIMB-TO-LIMB FIXED
280180 29B+0039 151154937 0835419328 161813 ESM017 FILE 11 NORTHERN LATITUDE M
283140 16B+0024 154114513 0836292672 120126 ESM017 FILE 12 NORTHERN SUNRISE
283180 28B+0042 154120317 0836296544 123154 ESM017 FILE 12 NORTHERN LATITUDE M
283101F 30+0115 154123541 0836303488 123752 ESM017 FILE 12 NO HEMISPHERE MONIT
283131F 30+0119 154123952 0836304384 124203 ESM017 FILE 12 NO HEMISPHERE MONIT
284140 17B+0024 155102959 0836585120 104612 ESM017 FILE 13 NORTHERN SUNRISE
284180 28B+0042 155104803 0836588992 111640 ESM017 FILE 13 NORTHERN LATITUDE M
285140 16B+0024 156091426 0836877504 093039 ESM017 FILE 14 NORTHERN SUNRISE
28 80 28B+0042 156093221 0836881344 100058 ESM017 FILE 14 NORTHERN LATITUDE M
286140 35S+0007 157073335 0837164464 080837 ESM017 FILE 15 LIMB TO LIMB NORTH

2F 30 28B+0042 157081613 0837173600 084450 ESM017 FILE 15 NORTHERN LATITUDE M

287101F 80-0615 158000111 0837376096 001407 ESM017 FILE 16 SO HEMISPHERE MONIT

287181 38B-0600 158001644 0837379424 005445 ESM017 FILE 16 S POLAR DIURNAL

287182 46B-0400 158021648 0837405152 030253 ESM017 FILE 16 S POLE DIURNAL

287183 48B-0200 158041642 0837430848 050408 ESM017 FILE 16 S POLE DIURNAL

287194F 4+0800 158141710 0837559520 141722 ESM017 FILE 16 DEIMOS

288101 17B+0124 159062527 0837767008 064234 ESM017 FILE 17 WAVESCAN 25/200

289101 14S+0000 160041440 0838047552 042847 ESM017 FILE 18 WAVE SCAN 40/157

289180 28B+0000 160043114 0838051104 045951 ESM017 FILE 18 NORTHERN LATITUDE M

290180 30B+0046 161031140 0838342624 034119 ESM017 FILE 19 NORTHERN LATITUDE M

290101F 24+0120 161034859 0838350624 035043 ESM017 FILE 19 NO HEMISPHERE MONIT

290131F 24+0124 161035301 0838351488 035445 ESM017 FILE 19 NO HEMISPHERE MONIT

291140 35S+0000 162011329 0838625872 014831 ESM017 FILE 20 LIMB TO LIMB NORTH

291180 29B+0042 162015607 0838635008 022547 ESM017 FILE 20 NORTHERN LATITUDE M

THE VIKING MISSION CALENDAR

JUNE 1976 THROUGH JANUARY 1979

10 NOV 1977

- REPLACES CALENDAR DATED 7/25/77, BY ADDING VD-2 MOT 11, 12 & 13.
- VD REV PROJECTIONS PER N.D. SOLUTION X83\$24 FOR VD-1 AND Y32\$23 FOR VD-2,
DATED 24 OCT 77 AND 26 OCT 77 RESPECTIVELY.

JUNE 1976

VD-1 REVS																	NOT		NOT																	
VL-1 SOLS																			2	3	4	5	6	7	8	9	10	11	12							
GMT DDY		152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184		
L SUB S		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88						
PST MONTH																			JUNE 1976																	
PST DATE		31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1			
PST DAY		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F		
VL-2 SOLS																																				
VD-2 REVS																																				

7-25-77

JULY - AUGUST - SEPTEMBER 1976

SUMMER SOLSTICE

NOT 5

NOT 6

VD-1 REVS	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42					
VL-1 SOLS																				0	1	2	3	4	5	6	7	8	9	10	11	12					
GMT DOY	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215			
L SUB S	88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104				
PST MONTH		JULY 1976																																			
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1				
PST DAY	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S				
VL-2 SOLS																																					
VD-2 REVS																																					

SKT 2

VD-1 REVS	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72		
VL-1 SOLS	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42		
GMT DOY	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246
L SUB S		184		185		186		187		188		189		190		191		192		193		194		195		196		197		198		199		200
PST MONTH		AUGUST 1976																																
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	
PST DAY	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	
VL-2 SOLS																																		
VD-2 REVS																																		

NOT

NOT 1

NOT 2

NOT 3

NOT 4

NOT 7

NOT 8

NOT 9

VD-1 REVS	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
VL-1 SOLS		42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	
GMT DOY	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276
L SUB S		119		120		121		122		123		124		125		126		127		128		129		130		131		132		133		134	
PST MONTH		SEPTEMBER 1976																															
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	
PST DAY	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
VL-2 SOLS					8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
VD-2 REVS	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		

NOT 3A NOT 5

OCTOBER - NOVEMBER - DECEMBER 1976

VD-1 REVS	182	183	184	185	186	187	188	189	118	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	
VL-1 SOL5	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102		
GMT DOY	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307
L SUB 5	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149																	
PST MONTH		OCTOBER 1976																																
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	
PST DAY	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T
VL-2 SOL5	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57		
VD-2 REVS	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80				

END OF PRIMARY MISSION															BEGINNING OF VEM AND CONDUCTION PERIOD															CONDUCTION														
VD-1 REVS	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163													
VL-1 SOLS	181	182	183	184	185	186	187	188	189	112	111	112	113	114	115	116	117	118	119	128	121	122	123	124	125	126	127	128	129	130	131													
GMT DOY	325	326	327	328	329	318	311	312	313	314	315	316	317	318	319	328	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337											
L SUB S	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163																												
PST MONTH	NOVEMBER 1976																																											
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1												
PST DAY	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T											
VL-2 SOLS	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87												
VD-2 REVS	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110												

END OF CONJUNCTION PERIOD →																																	
VO-1 REVS	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	
VL-1 SOLS	132	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	
GMT DOY	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	
L SUB 5	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193		
PST MONTH	DECEMBER 1976																																
PST DATE	32	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PST DAY	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	
VL-2 SOLS	85	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	
VO-2 REVS	165	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	

NOT A

JANUARY - FEBRUARY - MARCH 1977

AUTUMNAL EQUINOX

NOT 10

VD-1 REVS	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	
VL-1 SOLS	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191		
GMT DOY	366	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
L SUB 5	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195																
PST MONTH	JANUARY 1977																																	
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	
PST DRY	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	
VL-2 SOLS	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147		
VD-2 REVS	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163				

8.2

NOT 11

NOT 12

VD-1 REVS	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253				
VL-1 SOLS	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219					
GMT DOY	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61				
L SUB 5		195		196		197		198		199		200		201		202		203		204		205		206		207		208		209		210		211	
PST MONTH		FEBRUARY 1977																																	
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	1					
PST DAY	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W				
VL-2 SOLS	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174						
VD-2 REVS	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188								

300 km.

NOT 13

NOT 14

VD-1 REVS	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286
VL-1 SOLS		218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249		
GMT DOY	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	
L SUB 5	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249			
PST MONTH	MARCH 1977																																		
PST DATE	28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1		
PST DAY	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
VL-2 SOLS	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204			
VD-2 REVS	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218			

NOT 9

APRIL - MAY - JUNE 1977

VO-1 REVS	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317
VL-1 SOLS	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278		
GMT DOY	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122
L SUE 5	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250											
PST MONTH	APRIL 1977																																
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	
PST DAY	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
VL-2 SOLS	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	
VO-2 REVS	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249

HOT 10

HOT 15																																	WINTER SOLSTICE																
VO-1 REVS	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349															
VL-1 SOLS	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308																	
GMT DOY	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153															
L SUB S	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271																										
PST MONTH	MAY 1977																																																
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1																
PST DAY	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T															
VL-2 SOLS	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264																	
VO-2 REVS	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281															

WINTER SOLSTICE

HOT 15

PAGE 16

VO-1 REVS	340	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379					
VL-1 SOLS	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337						
GMT DOY	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183				
L SUB S	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292															
PST MONTH	JUNE 1977																																				
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1					
PST DAY	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				
VL-2 SOLS	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293						
VO-2 REVS	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313			

HOT 16

JULY - AUGUST - SEPTEMBER 1977

NOT 16

VD-1 REVS	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	422	423	424	425	426	427	428	429	410		
VL-1 SOLS	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368		
GMT DOY	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	
L SUB 5	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	
PST MONTH	JULY 1977																																		
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1		
PST DAY	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	
VL-2 SOLS	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323			
VD-2 REVS	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346

VD-1 REVS	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441		
VL-1 SOLS	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398			
GMT DOY	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	
L SUB 5	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	
PST MONTH	AUGUST 1977																																		
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
PST DAY	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	
VL-2 SOLS	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353			
VD-2 REVS	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379

VD-1 REVS	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471				
VL-1 SOLS	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427					
GMT DOY	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275			
L SUB 5	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360			
PST MONTH	SEPTEMBER 1977																																			
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1				
PST DAY	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				
VL-2 SOLS	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382					
VD-2 REVS	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403		

NOT 11

OCTOBER - NOVEMBER - DECEMBER 1977

VO-1 REVS	472	471	472	473	474	475	476	477	478	479	482	481	462	483	484	485	486	497	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	
VL-1 SOLS	426	427	428	429	430	431	432	433	434	435	436	437	438	439	442	441	442	443	444	445	446	447	448	449	452	451	452	453	454	455	456	457		
GMT DOY	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306
L SUB S	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358																			

PST MONTH																																	
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1
PST DAY	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T
VL-2 SOLS	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413
VO-2 REVS	429	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441

NOT 12

NOT 13

300 km

YEARLY EQUINOX

VO-1 REVS	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	
VL-1 SOLS	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486		
GMT DOY	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	
L SUB S	358		359		360		1		2		3		4		5		6		7		8		9		10		11		12				

PST MONTH	NOVEMBER 1977																																
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	
PST DAY	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	
VL-2 SOLS	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442		
VO-2 REVS	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	

VO-1 REVS	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	
VL-1 SOLS	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517		
GMT DOY	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	1	2	3
L SUB S		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26					

PST MONTH	DECEMBER 1977																																		
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	
PST DAY	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T
VL-2 SOLS	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473		
VO-2 REVS	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	

JANUARY - FEBRUARY - MARCH 1978

VD-1 REVS	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594		
VL-1 SOLS	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547			
GMT DOY	365	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
L SUB S	25		26		27		28		29		30		31		32		33		34		35		36		37		38		39						
PST MONTH	JANUARY 1978																																		
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1		
PST DAY	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	
VL-2 SOLS	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502			
VD-2 REVS	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613		

96 47

VD-1 REVS	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622					
VL-1 SOLS		546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574					
GMT DOY	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61				
L SUB S		39		40		41		42		43		44		45	*	46		47		48		49		50		51		52		53					
PST MONTH		FEBRUARY 1978																																	
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	1					
PST DAY	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T				
VL-2 SOLS	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612			
VD-2 REVS	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561					

VD-1 REVS	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653		
VL-1 SOLS	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604			
GMT DOY	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	
L SUB S	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83		
PST MONTH	MARCH 1978																																		
PST DATE	28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1		
PST DAY	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
VL-2 SOLS	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560
VD-2 REVS	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592				

APRIL - MAY - JUNE 1978

VD-1 REVS	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	
VL-1 SOLS	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713		
GMT DDY	92	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122
L SUB S	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																	
PST MONTH	APRIL 1978																																
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	
PST DAY	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T
VL-2 SOLS	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589		
VD-2 REVS	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	

																																	SUMMER SOLSTICE										END OF YEM				
VD-1 REVS	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715													
VL-1 SOLS	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663															
GMT DDY	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153													
L SUB S		82		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95															
PST MONTH	MAY 1978																																														
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1														
PST DAY	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F													
VL-2 SOLS	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619															
VD-2 REVS	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653														

VD-1 REVS	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	
VL-1 SOLS	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	
GMT DDY	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183
L SUB S	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110																	
PST MONTH	JUNE 1978																																
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	
PST DAY	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
VL-2 SOLS	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648		
VD-2 REVS	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	

2.4

JULY - AUGUST - SEPTEMBER 1978

← Cy 61

← Cy 63

VO-1 REVS	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	
VL-1 SOLS	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723		
GMT DOY	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214
L SUB S	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125																	
PST MONTH	JULY 1978																																	
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	
PST DAY	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	
VL-2 SOLS	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678		
VO-2 REVS	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	

← Cy 61

VO-1 REVS	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	
VL-1 SOLS	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753		
GMT DOY	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245
L SUB S		125		126		127		128		129		130		131		132		133		134		135		136		137		138		139		140		
PST MONTH	AUGUST 1978																																	
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	
PST DAY	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
VL-2 SOLS	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708		
VO-2 REVS	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	

VO-1 REVS	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857		
VL-1 SOLS	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782			
GMT DOY	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	
L SUB S	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154																			
PST MONTH	SEPTEMBER 1978																																	
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1		
PST DAY	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	
VL-2 SOLS	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	
VO-2 REVS	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775		

OCTOBER - NOVEMBER - DECEMBER 1978

Handwritten notes: "Hand?" and "K"

VD-1 REVS	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	
VL-1 SOLS	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812		
GMT DOY	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306
L SUB S	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	
RET MONTH																																		

PST MONTH	OCTOBER 1978																																
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1
PST DAY	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W
VL-2 SOLS	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	
VD-2 REVS	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806

AUTUMNAL EQUINOX

END OF VLP1

VD-1 REVS	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898
VL-1 SOLS	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842
GMT DOY	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355
L SUB S	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200

PST MONTH	NOVEMBER 1978																																
PST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	
PST DAY	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	
VL-2 SOLS	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797		
VD-2 REVS	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	

VD-1 REVS	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929
VL-1 SOLS	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	
GMT DOY	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366
L SUB S	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	
DET MONTH	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	

PST MONTH	DECEMBER 1978																																	
PST DATE	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	
PST DAY	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T
VL-2 SOLS	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827		
VO-2 REVS	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	

JANUARY 1979

CONJUNCTION

VO-1 REVS	828	829	832	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	
VL-1 SOLS	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902		
MT DOY	365	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
SUB S	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219															
EST MONTH		JANUARY 1979																																
EST DATE	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	
EST DAY	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F
VL-2 SOLS	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857		
VO-2 REVS	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	

D-44123

August 21, 1977
June 6, 1979

103

~~000~~ 11010011

E 9

E9 = 233(DAY)

Orbit No. 1152

FILE	20	RECORD	843	LENGTH	960BYTES						
(0)	EF8F13A6	EFE613F2	F1031205	F0AC11B8	000002D4	11C01A65	006F00C1	009400C8	00 C50000	00000000	
(40)	00000000	22531C0B	00000000	EFE513F3	F02E1430	F1441248	F0FC120B	000002D0	115D1A4C	005800C1	
(80)	00C500C8	000F0000	00000000	00000000	20251C14	00000000	F0331439	F07C1476	F18C1292	F1441255	
(120)	000002CB	10FB1A33	0087016E	00C3C031	009E0000	00000000	00000000	22531C1D	00000000	F0821477	
(160)	F0CA14BB	F1D412DC	F18B12A0	000002C6	10981A1A	00CD010B	007D015E	009B0000	00000000	00000000	
(200)	22531C26	00000000	F0D014C5	F1181501	F21C1326	F1D312EA	000002C1	10361A01	012C0090	00AC00C8	
(240)	00C50000	00000000	00000000	22531C30	00C00000	F11E150A	F1671547	F2641371	F21B1334	000002BC	
(280)	GFD419E8	00E5005E	007C01C8	01010000	00000000	00000000	22531C39	00000000	F165153F	F1AD157C	
(320)	F2A613AA	F25E136D	000002B9	0F7C19D3	00FD00DA	00930087	00890000	00000000	00000000	22531C42	
(360)	00000000	F1AB1574	F1F415B0	F2E813E3	F2AQ13A6	000002B5	0F2419BE	00870090	00F3005C	013E0000	
(400)	00000000	00000000	22531C48	00000000	F1F215A9	F23A15E5	F32B141C	F2E213DF	000002B2	0ECC19A9	
(440)	01430090	001D00C8	009C0000	00000000	00000000	22531C54	00000000	F23815D0	F281161A	F36D1455	
(480)	F3241418	000002AE	0E751994	00860014	009400C8	00D90000	00000000	00000000	22531C5D	00000000	
(520)	F2791608	F2C21644	F3AA1483	F3621447	000002AB	0E241982	00CD010B	004E00C8	00740000	00000000	
(560)	00000000	22531C56	00000000	F2BB1632	F303166F	F3E81482	F39F1475	000002A8	00D31970	012C0155	
(600)	010B00B2	013D0000	00000000	00000000	22531C70	00000000	F2FC165C	F3441699	F42614E1	F3DD144A	
(640)	000002A5	0083195E	00B600F2	00AB0072	01290000	00000000	00000000	22531C79	00000000	F33D1687	
(680)	F38616C3	F463150F	F41B14D3	000002A2	0D32194C	00870014	01240072	00DA0000	00000000	00000000	
(720)	22531C82	00000000	F37E16B1	F3C716EE	F441153E	F4581501	0000029F	0CE2193B	012B013D	00660110	
(760)	009C0000	00000000	00000000	22531C8B	00000000	EF8F13A6	F3BF16E6	F4991536	F0AC11B9	000002B5	
(800)	0F2419BE	00CE00C6	00A200B9	00C2004C	006A0046	004D0051	00000000	00000000	000007B1	050E0000	
(840)	Q017FDEF	00197000	EF8FF3BF	13A616E6	F0ACF499	11B91536	06AB0478	F24C14A8	00000000	09090992	
(880)	0C930F0A	10B20000	00000000	00000000	00000001	007A0068	00600070	00806576	3D1C0000	2DF93A10	
(920)	00000000	00000000	00C70340	004C1C00	22531C4B	000002A9	47734852	FE8219E8	00000000	00000000	

0000 1111 n d o m
7 E

$$7E = 126 \text{ Day}$$

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
20	843	844	960	0	0	0	0	0	0

0-44124
May 15, 1980 -
June 15, 1980

000	000	010	100
8	4		

84 = Day 132

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
	RECS.	INPUT	SIZE	PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	207	207	960	0	0	0	0	0	0

~~00~~ | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1

A 7

A7-0-167
June 16, 1980

FILE	INPUT RECS.	DATA INPUT	RECORDS SIZE	MAX. READ ERROR	SUMMARY	INPUT RETRIES
				PERM ZERO B	SHORT UNDEF.	#RECS. TOTAL #
6	618	619	960	0	0	0

75-075A-03C

PSPA-00002

VIKING ORBITER 1

VO1/VO2-M-MAWD-4-V1.0

THIS DATA SET CONSISTS OF 5, 9-TRACK, ASCII, 1600 BPI TAPES. THEY WERE ALL CREATED USING VAX COPY, AND ARE LABELED. THE LABEL NAME AS WELL AS THE D AND C NUMBERS, FILES, ALONG WITH THEIR START AND STOP ORBITS ARE LISTED BELOW. EACH OF THE TAPES CONTAIN A PDS LABEL FILE NAME (VOLDESC.SFD) WHICH DESCRIBES THE ASSOCIATED DATA FILE AND THE DATA SET IN GENERAL. A COPY OF THAT FILE HAS BEEN PRINTED AND PLACED IN THE CATALOG FOR YOUR USE.

D#	C#	LABEL NAME	FILES	ORBITS
---	---	-----	-----	-----
D-79957	C-29143	MAWD01	6	3-294
D-79958	C-29144	MAWD02	6	295-545
D-79959	C-29145	MAWD03	6	546-758
D-79960	C-29146	MAWD04	6	759-856
D-79961	C-29147	MAWD05	6	857-1448

VO2-M-MAWD-4-Y1.O

VIKING ORBITER 2

VO1/VO2-M-MAWD-4-V1.0

THIS DATA SET CONSISTS OF 2, 9-TRACK, ASCII, 1600 BPI TAPES. THEY WERE CREATED USING VAX COPY, AND ARE LABELLED. THE LABEL NAME AS WELL AS THE D AND C NUMBERS, FILES, ALONG WITH THEIR START AND STOP ORBITS ARE LISTED BELOW. EACH OF THE TAPES CONTAIN A PDS LABEL FILE NAME (VOLDESC.SFD) WHICH DESCRIBES THE ASSOCIATED DATA FILE AND THE DATA SET IN GENERAL. A COPY OF THAT FILE HAS BEEN PRINTED AND PLACED IN THE CATALOG FOR YOUR USE.

D#	C#	LABEL NAME	FILES	ORBITS
----	----	-----	-----	-----
D-79962	C-29148	MAWDO6	6	4-305
D-79963	C-29149	MAWD07	6	306-705

DUMP OF TAPE KM2008

D79960

Viking Orbiter 1 / 75-075A-03C

INPUT TAPE KM2008 ON HT1

DATA INPUT H9 NF=5 SR=2=1=1 SR=5=1=1

FILE	INPLT	DATA RECORDS	MAX.	READ ERROR SUMMARY	INPUT RETRIES
	RECS.	INPUT	SIZE	PERM ZERO B SHORT UNDEF.	#RECS TOTAL#
1	5	5	80	0 0 0 0	0 0

FILE	2	RECORD	1	LENGTH	9788	EYTES
(3)	37353031	20302053	4644555F	40414245	40303030	34303034
(4)	20202020	20202020	20202020	20202020	20302056	4F4C554D
(120)	45545F49	44202020	20202020	20202020	20202020	4F4C554D
(160)	57442034	2056312E	30223030	3432204D	45444941	5F545950
(200)	20202020	20203020	54415045	30303339	20544150	45532020
(240)	20202020	20202020	30203730	30363820	4E4F5445	20202020
(280)	20202020	20202030	20225468	69732064	61746120	73657420
(320)	30373972	51737465	72206176	65726167	65642072	51646961
(360)	6E642061	73736F63	69617465	64206461	74612070	51726160
(400)	38316672	6F602064	61746120	61637175	69726564	20627920
(440)	65726963	20576174	65722044	65746563	746F7273	20284041
(480)	30383156	6968696E	67204F72	62697465	72732E20	20546865
(520)	6F6E7320	67697565	20746560	706F7261	6C20636F	76657261
(560)	30303739	6F766572	2074776F	20606172	7465616E	20756561
(600)	20627574	20657874	656E7369	76652020	73746174	69616020
(640)	30313270	6C616E65	742E2230	30303430	30343520	4F424445
(680)	20202020	20202020	3020564F	30303435	40554045	30303435
(720)	20202020	20202020	20202020	20202020	20302040	41574430
(760)	45202020	20202020	20202020	20202020	20202020	34303134
(800)	454E5349	54592020	20202020	20202020	20202020	33202040
(840)	45532020	20202020	20202020	20202020	20202020	45444541
(880)	55454E43	455F4E55	40424552	20202020	20202020	20202020
(920)	43455353	5F4E414D	45202020	20202020	20202020	30203430
(960)	464F5240	41542020	20202020	20202020	20202020	30343320
(1000)	33202042	404F434B	5F425954	45532020	20202020	20202020
(1040)	56303531	20204841	52445741	52455F4E	41404520	20202020
(1080)	56415820	31312F37	38352230	30353020	204F5045	52415449
(1120)	20202020	20202020	30202256	40532035	2E312031	22303034
(1160)	20202020	20202020	20202020	20202020	20203020	32303034
(1200)	20202020	20202020	20202020	20202020	20203020	31393839
(1240)	4F424A45	43542020	20202020	20202020	20202020	20303820
(1280)	4F525930	30343420	20204E41	40452020	20202020	20202020
(1320)	2E302052	4F4F5430	30303430	30343520	20204F42	4A454354
(1360)	20202020	20202020	20203020	46494045	30303534	20202020
(1400)	20202020	20202020	20202020	20202020	20202020	4E414045
(1440)	434F5244	5F545950	45202020	20202020	20202020	20202020
(1480)	35202020	454E445F	4F424A45	43542020	20202020	20202020
(1520)	40453030	30343030	34352020	204F424A	45435420	20202020
(1560)	20202020	20302046	49404530	30353420	2020204E	41404520
(1600)	20202020	20202020	20203020	22564F31	5F383536	2E444154
(1640)	54595045	20202020	20202020	20202020	20202020	30204649
(1680)	34362020	2020464F	52404154	20202020	20202020	20202020
(1720)	53434949	30303437	20202020	46494045	5F524543	4F524453
(1760)	20202020	20313439	34363830	30343420	20202020	20202020
(1800)	20202020	20202020	32303330	30353920	41424045	5F524543
(1840)	20202020	20202020	20202020	20203020	22564F31	5F383536
(1880)	20202020	20202020	20202020	20202020	20202020	20202020
(1920)	34342020	20205354	4152545F	4F524249	545F4E55	40424552
(1960)	35393030	34342020	20205354	4F505F4F	52424954	5F4E554D
(2000)	20302036	35363030	30343430	30343030	34392020	20204F42
(2040)	20202020	20202020	20202020	20203020	48455354	4F525930
(2080)	4F414045	20202020	20202020	20202020	20202020	20202020

1	(7920)	34202020	20323620	2034302E	32382032	37362E32	31202032	32363235	20203431	2E353620	2032302E	1
2	(7980)	35392020	36312E34	34202037	35352020	392E3033	20202020	31353638	20202020	31363135	20202020	2
3	(8000)	31333434	20202020	31363533	20202020	31343735	20202032	34373520	20302E38	30202031	342E3220	3
4	(8040)	2032332E	35202020	322E3430	20203020	20313032	35372056	4F312020	20373539	20203234	32323238	4
5	(8080)	39323820	3131342E	37322020	36372E33	32202032	20373539	30303120	20203235	4E203435	4E204643	5
6	(8120)	43202820	4E302046	43202020	20202020	20202020	31343435	20363437	37373130	38342020		6
7	(8160)	20203237	20203430	2E333920	3237362E	31352020	32323632	35202034	312E3536	20203230	2E333920	7
8	(8200)	2036312E	34342020	37353520	20392E30	33202020	20313539	30202020	20313636	32202020	20313335	8
9	(8240)	32202020	20313636	31202020	20313436	31202020	32353137	2020302E	38302020	31392E35	20203330	9
10	(8280)	2E372020	20322E34	20202030	20203130	32353720	564F3120	20203735	39202032	34323232	38393238	10
11	(8320)	20313134	2E373220	2036372E	33322020	32203735	39303031	20202032	354E2034	354E2046	43432028	11
12	(8360)	204E3020	45432020	20202020	20202020	20202020	20313434	35203634	37373731	30383420	20202032	12
13	(8400)	38202034	302E3432	20203735	2E393420	20323236	32352020	34312E31	37202032	302E3339	20203631	13
14	(8440)	2E343420	20373535	2020392E	30332020	20203136	31312020	20203136	31372020	20203133	30342020	14
15	(8480)	20203136	34312020	20203134	34302020	20323433	34202030	2E383020	2032322E	34202033	322E3520	15
16	(8520)	2020322E	34302020	30202031	30323537	20564F31	20202037	35392020	32343232	32383932	38203131	16
17	(8560)	342E3732	20203637	2E333220	20322037	35393030	31202020	32354E20	34354E20	46434320	28204E50	17
18	(8600)	204E4320	20202020	20202020	20202020	20203134	34352036	34373737	31303834	20202020	32392020	18
19	(8640)	34302E34	32203237	352E3930	20203232	36323520	2034312E	31372020	32302E37	39202036	312E3434	19
20	(8680)	20203735	35202039	2E303320	20202031	36313520	20202031	36353520	20202031	33353120	20202031	20
21	(8720)	36343720	20202031	34373520	20203234	37352020	302E3830	20203137	2E312020	32342E38	20202032	21
22	(8760)	2E343020	20302020	31303233	3720564F	31202020	37353920	20323432	32323839	32382031	31342E37	22
23	(8800)	32202036	372E3332	20203220	37353930	30312020	2032354E	2034354E	20464343	2028204E	50204643	23
24	(8840)	20202020	20202020	20202020	20202031	34343520	36343737	37313038	34202020	20333020	2034302E	24
25	(8880)	34322032	37352E38	35202032	32363235	20203431	2E313720	2032302E	37392020	36312E34	34202037	25
26	(8920)	35352020	392E3033	20202020	31363032	20202020	31363530	20202020	31333535	20202020	31363531	26
27	(8960)	20202020	31343538	20202032	34373520	20302E38	30202031	362E3520	2032332E	36202020	322E3430	27
28	(9000)	20203020	20313032	35372056	4F312020	20373539	20203234	32323238	39323820	3131342E	37322020	28
29	(9040)	36372E33	32202032	20373539	30303120	20203235	4E203435	4E204643	43202820	4E502046	43202020	29
30	(9080)	20202020	20202020	20202020	31343435	20363437	37373130	38342020	20203331	20203430	2E343220	30
31	(9120)	3237352E	38302020	32323632	35202034	312E3137	20203230	2E373920	2036312E	34342020	37333520	31
32	(9160)	20392E30	33202020	20313539	39202020	20313630	39202020	20313334	31202020	20313637	33202020	32
33	(9200)	20313435	36202020	32343735	2020302E	38302020	31382E33	20203237	2E322020	20322E34	30202030	33
34	(9240)	20203130	32353720	564F3120	20203735	39202032	34323232	38393238	20313134	2E373220	2036372E	34
35	(9280)	33322020	32203735	39303031	20202032	354E2034	354E2046	43432028	204E5020	46432020	20202020	35
36	(9320)	20202020	20202020	20313434	35203634	37373731	30383420	20202033	32202034	302E3432	20323735	36
37	(9360)	2E373520	20323236	32352020	34312E31	37202032	302E3739	20203631	2E343420	20373335	2020392E	37
38	(9400)	3E352020	20203136	30352020	20203136	34312020	20203133	35342020	20203136	34312020	20203134	38
39	(9440)	34332020	20323437	35202030	2E383020	2031372E	37202032	352E3420	2020322E	34302020	30202031	39
40	(9480)	36323537	20564F31	20202037	35392020	32343232	32383932	38203131	342E3732	20203637	2E333220	40
41	(9520)	20322037	35393030	31202020	32354E20	46434320	28204E50	20464320	20202020	20202020	20202020	41
42	(9560)	20202020	20203134	34352036	34373737	31303834	20202020	35352020	34302E34	34203237	352E3731	42
43	(9600)	20203232	36323520	2034312E	31372020	32302E37	39202036	312E3434	20203733	35202039	2E303320	43
44	(9640)	20202031	35363520	20202031	36343420	20202031	35353120	20202031	36333520	20202031	34363520	44
45	(9680)	20203234	37352020	302E3830	20203135	2E392020	32342E32	20202032	2E343020	20302020	315E5E5E	45
46	(9720)	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	46
47	(9760)	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	47

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY	INPUT RETRIES
	RECS.	INPUT	SIZE	PERM ZERO B SHORT UNDEF.	#RECS. TOTAL
5	3646	3646	9788	0 0 0 0	0 0
EOJ	DUMP STOPPED AFTER FILE	5	# OF PERMANENT READ ERRORS	0	
START TIME 05/19/92 10:18:44			STOP TIME 05/19/92 10:20:58		

D79963 - V02

DATA INPUT H9 NF=5 SR=2=1=1 SR=5=1=1

[illegible]

1	(7920)	32202020	20333420	2035382E	30392020	32312E38	31202020	32363438	20203839	2E303320	2034352E
2	(7960)	30392031	33342E31	30202033	30302020	392E3232	20202020	20333639	20202020	20333232	20202020
3	(8000)	20333133	20202020	20333630	20202020	20333630	20203130	30333720	20332E30	30202020	20302E20
4	(8040)	20202030	2E202032	302E3534	20203020	20313032	33372056	4F322020	20333036	20203230	39393435
5	(8080)	36363420	3238362E	30362031	31342E31	30202031	20333036	31343020	20204E50	204C492F	4C492020
6	(8120)	20202020	20202020	20202020	20202020	20202020	20202020	20203536	20383433	30313433	33322020
7	(8160)	20203335	20203537	2E373520	2032312E	37362020	20323634	38202038	392E3033	20203436	2E323820
8	(8200)	3133342E	31382020	33363020	20392E32	32202020	20203534	38202020	20203338	31202020	20203332
9	(8240)	34202020	20203338	31202020	20203336	34202031	30303337	2020332E	30302020	2020302E	20202020
10	(8280)	302E2020	32312E35	35202050	20203130	32353720	364F3220	20203330	36202032	30393934	35363634
11	(8320)	20323836	2E303620	3131342E	31302020	31203330	36313430	2020204E	50204C49	2F4C492C	20202020
12	(8360)	20202020	20202020	20202020	20202020	20202020	20202020	35203834	33303134	33353220	20202033
13	(8400)	36202035	372E3434	20203231	2E363720	20203236	34382020	38382E36	33202034	362E3636	20313334
14	(8440)	2E313820	20333630	2020392E	32322020	20202034	30342020	20202034	33352020	20202033	36362020
15	(8480)	20202034	32302020	20202034	30352020	31303033	37202033	2E303020	2020302E	35202020	20302E20
16	(8520)	2032302E	35362020	30202031	30323337	20564F32	20202033	30362020	32303939	34353636	34203238
17	(8560)	362E3036	20313134	2E313020	20312033	30363134	30202020	4E50204C	492F4C49	20202020	20202020
18	(8600)	20202020	20202020	20202020	20202020	20202020	20202020	3936203E	34353031	34353332	20202020
19	(8640)	35372E31	31202032	312E3631	20202032	37313520	2038382E	32342020	34362E36	36203133	342E3138
20	(8680)	20203336	30202039	2E323220	20202020	34303820	20202020	34363120	20202020	35393620	20202020
21	(8720)	34353320	20202020	34343520	20313030	33372020	332E3030	20202020	302E2020	2020302E	20203230
22	(8760)	2E353620	20302020	31303233	3720564F	32202020	33303620	20323039	39343536	36342032	38362E30
23	(8800)	36203131	342E3130	20203120	33303631	34302020	204E5020	4C492F4C	49202020	20202020	20202020
24	(8840)	20202020	20202020	20202020	20202020	20203620	38343530	31343333	32202020	20353820	2035362E
25	(8880)	37352020	32312E35	34202020	32373135	20203837	2E383420	2034372E	30362031	33342E31	38202033
26	(8920)	36342020	392E3232	20202020	20343938	20202020	20343639	20202020	20343134	20202020	20343930
27	(8960)	20202020	20343332	20203130	30333720	20332E30	30202020	312E3120	20202030	2E202032	302E3538
28	(9000)	20203020	20313032	33372056	4F322020	20333036	20203230	39393435	36363420	3238362E	30362031
29	(9040)	31342E31	30202031	20333036	31343020	20204E50	204C492F	4C492020	20202020	20202020	20202020
30	(9080)	20202020	20202020	20202020	20203936	20363433	30313433	33322020	20203539	20203536	2E343420
31	(9120)	2032312E	34362020	20323731	35202038	372E3834	20203437	2E343520	3133342E	31382020	33363020
32	(9160)	20392E32	32202020	20203439	36202020	20203532	37202020	20203437	38202020	20203530	33202020
33	(9200)	20203532	38202031	30303337	2020332E	30302020	2020302E	20202020	302E2020	32302E35	39202030
34	(9240)	20203130	32333720	564F3220	20203330	36202032	30393934	35363634	20323836	2E303620	3131342E
35	(9280)	31302020	31203330	36313430	2020204E	50204C49	2F4C4920	20202020	20202020	20202020	20202020
36	(9320)	20202020	20202020	20202039	36203834	33303134	33353220	20202034	30202035	362E3131	20203231
37	(9360)	2E343120	20203237	31352020	38372E34	35202034	372E3435	20313334	2E313820	20333630	2020392E
38	(9400)	33322020	20202035	35312020	20202035	32352020	20202034	39352020	20202035	37342020	20202035
39	(9440)	33392020	31303033	37202033	2E303020	20202030	2E202020	20302E20	2032302E	35392020	30202031
40	(9480)	30323337	20564F32	20202033	30362020	32303939	34353636	34203238	362E3036	20313134	2E313020
41	(9520)	20312033	30363134	30202020	4E50204C	492F4C49	20202020	20202020	20202020	20202020	20202020
42	(9560)	20202020	20202020	39362038	34353031	34353332	20202020	34312020	39352E37	35202032	312E3533
43	(9600)	20202020	35303120	20202020	35373320	20202020	39353120	20202020	35393120	20202020	35313720
44	(9640)	20203936	32342020	332E3030	20202030	2E352020	2020302E	20203230	2E363020	20202020	315E5E5E
45	(9680)	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E
46	(9720)	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E	5E5E5E5E

FILE	INPUT	DATA RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
	RECS	INPUT		PERM	ZERO	SHORT	UNDEF.	#RECS.	TOTAL
5	3346	3346	9788	0	0	0	0	0	0
EOJ DUMP STOPPED AFTER FILE 5 # OF PERMANENT READ ERRORS 0									
START TIME 05/19/92 11:09:50 STOP TIME 05/19/92 11:14:24									