[redacted]

#424

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

VO1/VO2-M-MAWD-4-V1.0
75-075A-03C
75-083A-03B

[redacted]

VIKING 1 ORBITER

ATMOSHPERIC WATER DATA ON TAPE

75-075A-03A

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)

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,
.04, 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

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTIANED 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. JANAUARY 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	RAND NO.	ACQ. AGENT
CMP	RC8288	WSC
DEW	RD2720	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 od D & C numbers and a tape format.

Viking 1 Orbiter 75-075A-03A

D#	C#	FILES	TIME SPAN
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)

D#	C#	FILES	TIME SPAN
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)

D#	C#	FILES	TIME SPAN
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

D#	C#	FILES	TIME SPAN
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.

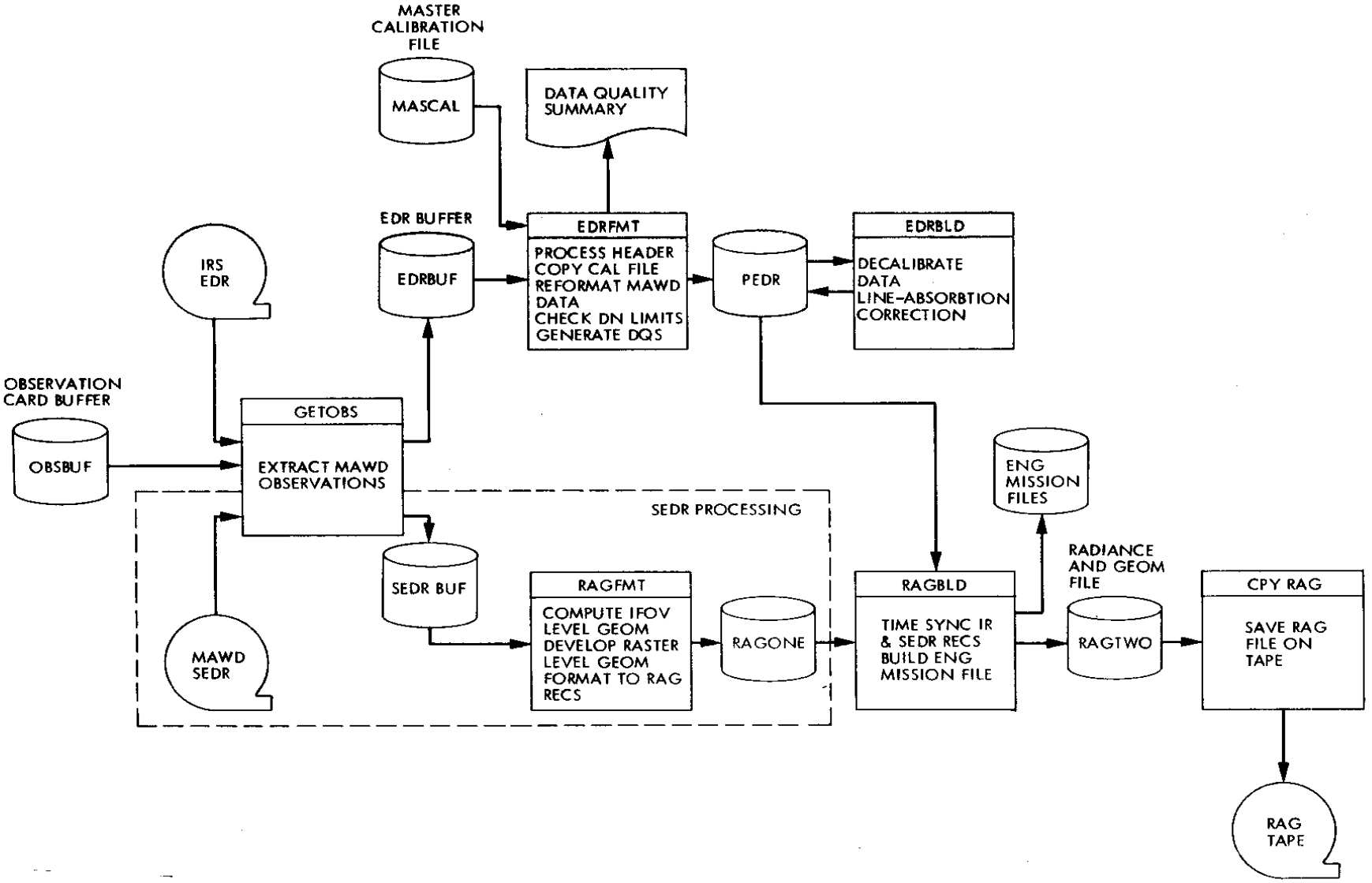


Figure 1. RAG Record Generation Process

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.

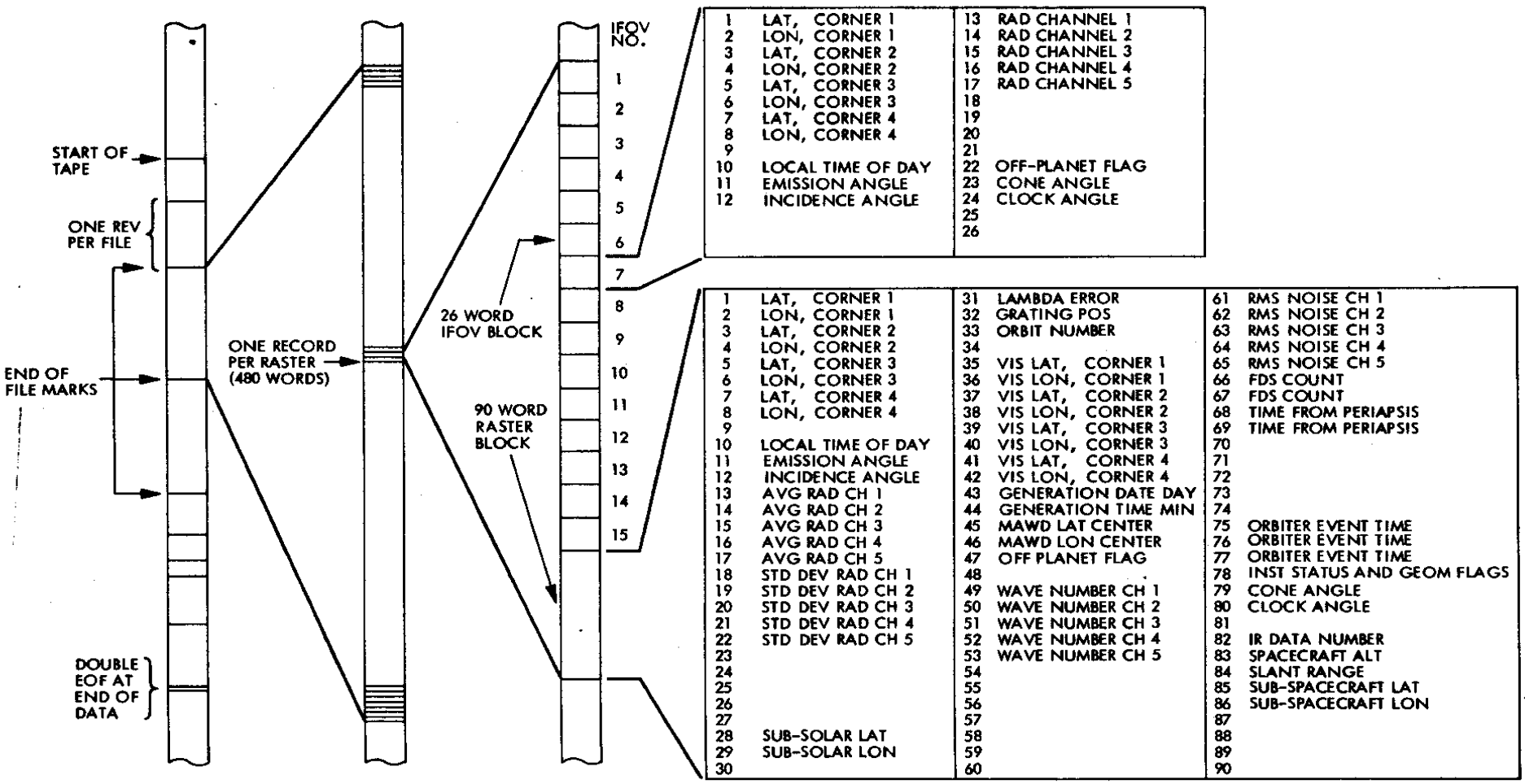


Figure 2. RAG Tape Record Format

IFOV Block Format

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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)

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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)

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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)

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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)

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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)

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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)

WORD	QUANTITY	SCALE FACTOR	COMMENTS
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)

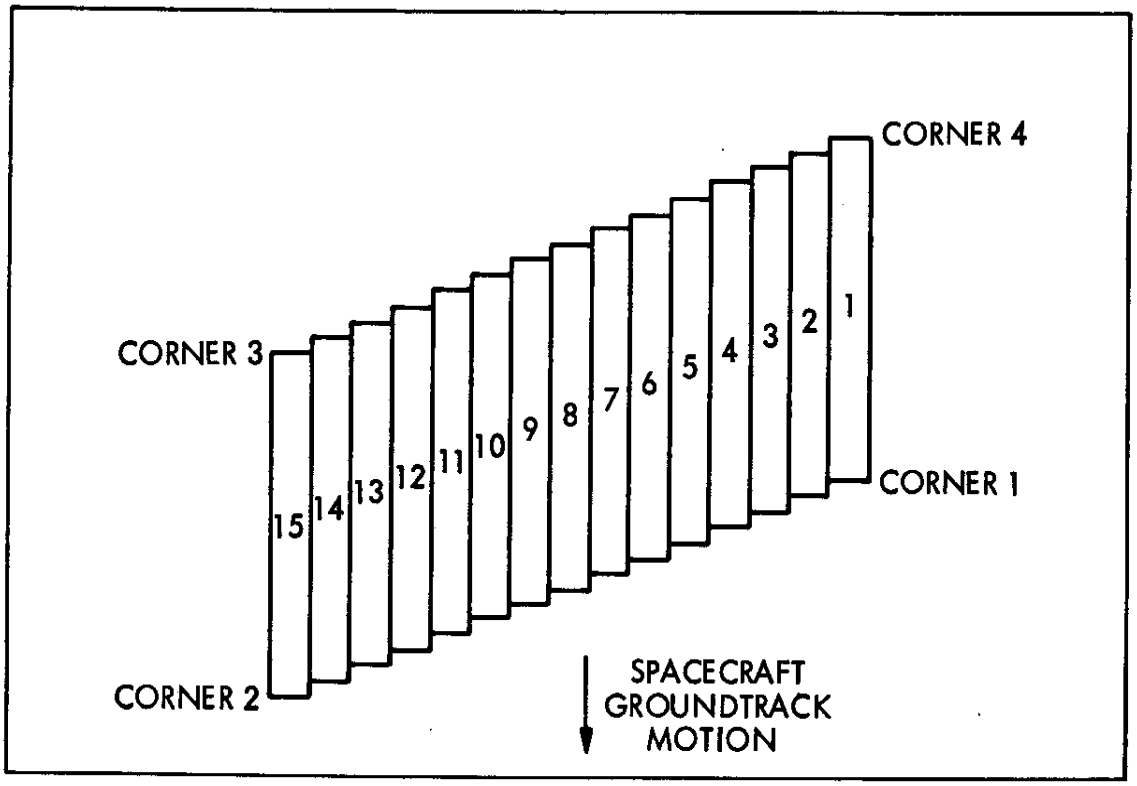
WORD	QUANTITY	SCALE FACTOR	COMMENTS
83.	SPACECRAFT ALTITUDE	1	Spacecraft altitude above surface at flyback in kilometers. (Any altitude greater than 32767 km will appear as 32767 km).
84.	SLANT RANGE	1	Distance along optical path from instrument to center of IFOV 8 in kilometers. (Any slant range greater 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

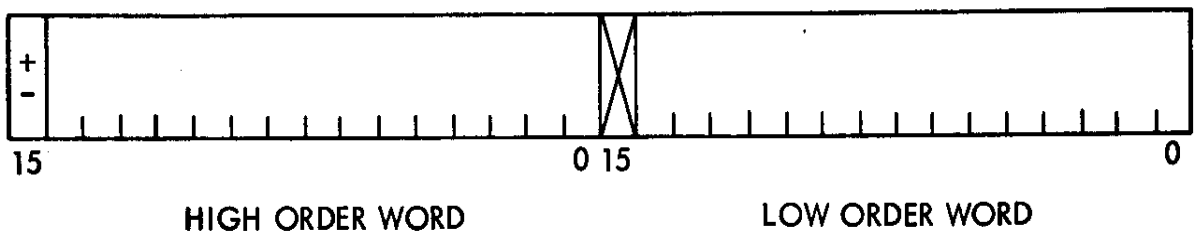
Raster block words 35-42.

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

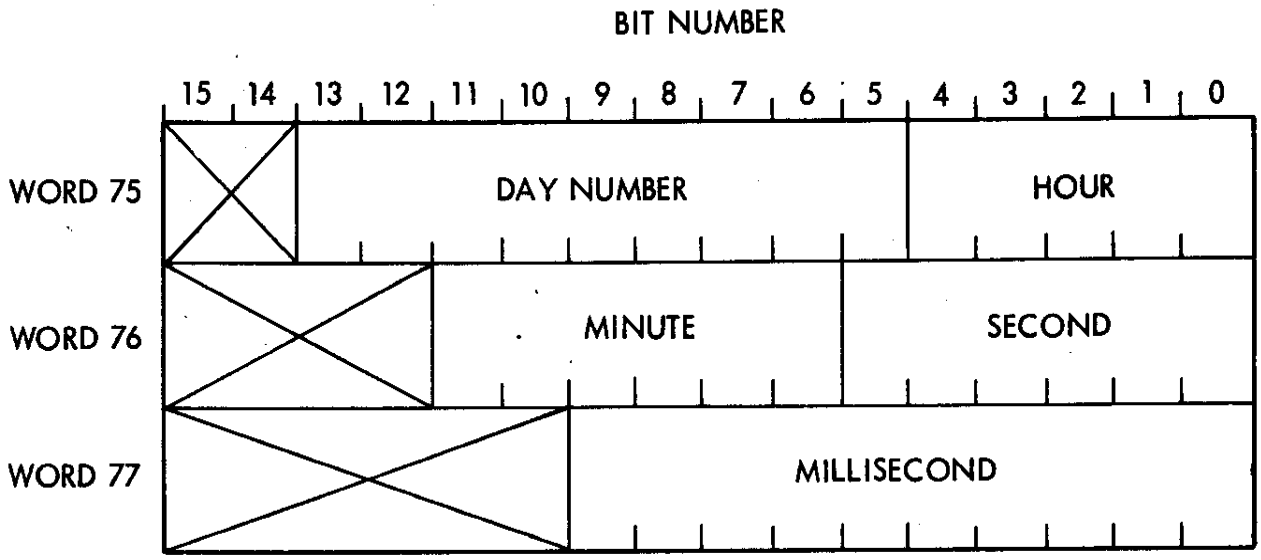
The FDS count and time from periapsis (in seconds) are stored as double precision integers in the bit format shown below:



ORBITER EVENT TIME

Raster block words 75-77

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



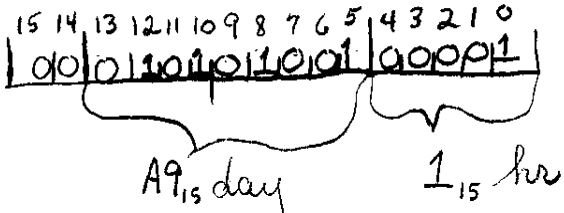
example:

$T5210015_{,5}$

use only 1st 4 numbers for julian day & hour

$1521_{,5}$ reduce figure to binary numbers (word 75)

0001 0101 0010 0001



$A9_{15} = 169_{10}$ 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).

	Bit	Description
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)

	Bit	Description
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	= Ø, 2, 4	VO-1 orbit data
C	= 6	VO-1 orbit data for revs greater than 999
C	= 1, 3, 5, 7	VO-2 orbit data
C	= 8	VO-1 approach data
C	= 9	VO-2 approach data
DE	= 1 - 39	Data requested by MAWD
DE	= 4Ø - 79	Data requested by IRTM
DE	= 8Ø - 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 (1ØØØ * REV NO.) and appending an "F" where the IR data number is negative.

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

orbit number - 1ØØØ = 3 digit orbit number.

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

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 ORBITAL 8 APPROACH VO-II 1,3,5,7 DATA 9 DATA
5,6	OBSERVATION NUMBER 00-39 = MAWD 40-79 = IRTM 80-99 = MAWD & IRTM 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	GET (START OF OBSERVATION) DAY,HOUR,MINUTE,SECOND	
27,36	EDS COUNT (START OF OBSERVATION)	
38,43	GET (END OF OBSERVATION)	
45,57	TAPE AND FILE # WERE DATA IS LOCATED	
60,80	COMMENTS	

D-30508

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

169880	02F-6313	169 (day) 090010	0413497630	010249	CSM001	FILE	1	HEADER
169810	S39-6001	169041201	0413538747	044138	CSM001	FILE	1	EXTRA BEFOR 169802
169802	14S-5933	169044240	0413545310	045656	CSM001	FILE	1	MOI -2 DAYS
169811	S10-5933	169045707	0413548395	050616	CSM001	FILE	1	EXTRA BEFOR 169881
169881	02F-5807	169050616	0413550370	050855	CSM001	FILE	1	HEADER
169882	02F-5758	169062748	0413567840	063027	CSM001	FILE	1	HEADER
169884	02F-5258	169111507	0413629410	111746	CSM001	FILE	1	HEADER
169885	02F-5748	169131743	0413655680	132022	CSM001	FILE	1	HEADER
169886	02F-5545	169152037	0413682020	152317	CSM001	FILE	1	HEADER
169887	02F-5342	169172340	0413708380	172620	CSM001	FILE	1	HEADER
169888	02F-5139	169192643	0413734750	192923	CSM001	FILE	1	HEADER
169812	S11-4817	169224823	0413777963	225840	CSM001	FILE	1	EXTRA BY SELF
169890	02F-4739	169231339	0413783376	233417	CSM001	FILE	1	HEADER EXTRA TIME
170880	02F-4531	170013441	0413813600	013720	CSM001	FILE	2	HEADER
170881	02F-4328	170033744	0413839970	034023	CSM001	FILE	2	HEADER
170803	16S-4233	170043911	0413853140	045329	CSM001	FILE	2	MOI -1DAY
170882	02F-4126	170054020	0413866240	054259	CSM001	FILE	2	HEADER
170883	02F-3926	170074024	0413891970	074303	CSM001	FILE	2	HEADER
170840	16S-3814	170085138	0413907230	090654	CSM001	FILE	2	ATMOS BOX 1
170884	02F-3718	170094822	0413919390	095102	CSM001	FILE	2	HEADER
170885	02F-3515	170115126	0413945760	115405	CSM001	FILE	2	HEADER
170804	16S-3412	170124154	0413956580	125813	CSM001	FILE	2	MOI-0
170810	S03-3407	170125818	0413960091	130001	CSM001	FILE	2	EXTRA AFTER 170804
170886	02F-3312	170135420	0413972100	135659	CSM001	FILE	2	HEADER
170841	02F-3245	170141635	0413976860	141852	CSM001	FILE	2	OFF AXIS RESPON 1
170842	03F-3229	170143635	0413981150	144022	CSM001	FILE	2	OFF AXIS RESPON 2
170887	02F-3109	170155723	0413998460	160002	CSM001	FILE	2	HEADER
170805	14S-3022	170164354	0414008430	165812	CSM001	FILE	2	MOI -0
170811	S02-3007	170165830	0414011563	165960	CSM001	FILE	2	EXTRA AFTER 170805
170888	02F-2906	170180026	0414024830	180305	CSM001	FILE	2	HEADER
170889	02F-2703	170200320	0414051170	201559	CSM001	FILE	2	HEADER
170806	16S-2621	170204455	0414060080	210114	CSM001	FILE	2	MOI -0
170843	24F-2600	170210630	0414064700	213112	CSM001	FILE	2	ATMOS BOX 2
170807	13S-2429	170223655	0414084080	225536	CSM001	FILE	2	TURN OFF
003040	09F- 646	174092024	0415147611	093017	CSM001	FILE	3	ATMOS TIGHT BOX
003011	S02- 545	174122201	0415186603	130003	CSM001	FILE	3	BEFOR 003041 CONTIG
003041	02S- 506	174130044	0415194875	130233	CSM001	FILE	3	DIURNAL 10/83
003021	S02- 504	174130252	0415195371	131020	CSM001	FILE	3	BETWEEN 3041 3042
003042	16F- 456	174131022	0415196971	132906	CSM001	FILE	3	GLOBAL MORN
003043	05F- 11	174175515	0415258011	175801	CSM001	FILE	3	A1 GLOBAL MORN LT S
003001F	5F- 8	174175900	0415258616	180525	CSM001	FILE	3	A1 DISPERSED COV
003044	05F- 0	174180703	0415260535	181102	CSM001	FILE	3	A1 RT SIDE COV
003045	06F- 553	175040028	0415387680	040858	CSM001	FILE	3	HI ALT PRELAWN NO1
003046	06F- 1140	175060028	0415413408	060854	CSM001	FILE	3	HI ALT PRELAWN NO2
004040	06F- 519	175092708	0415457696	093403	CSM001	FILE	4	ATMOS TIGHT BOX
004001	16S- 508	175093731	0415459920	095305	CSM001	FILE	4	A1 HI ALT
004001F	H1F- 851	175095503	0415463680	100101	CSM001	FILE	4	HI-ALT A1 RED
004041	06F- 549	175125715	0415502720	130428	CSM001	FILE	4	ENTIRE ID
004006	16S- 204	175164133	0415550784	165601	CSM001	FILE	4	10/83 DIURNAL
004011F	05F- 15	175183059	0415574240	183118	CSM001	FILE	4	A1 OBLIQUE
004042	02F- 14	175183211	0415574496	183401	CSM001	FILE	4	A1 LEFT SIDE COV
004043	02F- 10	175183528	0415575200	183804	CSM001	FILE	4	A1 RT SIDE COV
004016F	7F- 7	175183916	0415576000	184645	CSM001	FILE	4	A1 W/A STEREO #1

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

```
005040 05B- 852 176103354 0415780576 104062 CSM001 FILE 5 ATMOS TIGHT BOX
005006FH05- 824 176110149 0415786560 110739 CSM001 FILE 5 HI ALT A1 VIOLET
005041 06B  957 177052439 0416022667 053206 CSM001 FILE 5 HI ALT PRE DAWN
005042 06B 1140 177071400 0416046315 072156 CSM001 FILE 5 HI ALT PRE DAWN

006001FH10- 924 177104011 0416090496 104600 CSM001 FILE 6 HI ALT A1 RED
006040 06B- 900 177110413 0416095648 111053 CSM001 FILE 6 ATMOS TIGHT BOX
006041 07B- 552 177141214 0416135936 141914 CSM001 FILE 6 ENTIRE ID
006042 02S- 512 177145238 0416144592 145439 CSM001 FILE 6 DIURNAL 10/83
006043 19B- 422 177154217 0416155243 160129 CSM001 FILE 6 GLOB MORN COV
006044 02S- 334 177163000 0416165467 163204 CSM001 FILE 6 DIURNAL 10/83
006045 04B- 232 177173224 0416178827 173645 CSM001 FILE 6 DIURNAL 10/83
006005 16S- 201 177180341 0416185520 182004 CSM001 FILE 6 DIURNAL 10/83
006046 20B- 141 177182316 0416189728 184348 CSM001 FILE 6 ID
006001 S34- 104 177190057 0416197803 193457 CSM001 FILE 6 EXTRA
006047 02B-  13 177195126 0416208619 195353 CSM001 FILE 6 A1 LEFT SIDE COV
006048 02B-  10 177195421 0416209312 195650 CSM001 FILE 6 A1 RT   SIDE COV
006016F 7B-   6 177195805 0416210048 200538 CSM001 FILE 6 A1 W/A STEREO #1

007001FH15- 932 178111817 0416407242 112108 CSM001 FILE 7 HI ALT A1 RED
007040 19B- 420 178162032 0416472000 163944 CSM001 FILE 7 GLOB MORN COV
007041 22B- 130 178191627 0416509696 193847 CSM001 FILE 7 ID
007042 15B- 108 178193927 0416514635 195439 CSM001 FILE 7 LOW ALT COV
007043 11B-   8 178203619 0416526811 204643 CSM001 FILE 7 A1 SITE MULT SLEW

008001FH10- 926 179115626 0416723979 120213 CSM001 FILE 8 HI ALT A1 RED
008040 06B- 914 179120841 0416726603 121520 CSM001 FILE 8 ATMOS TIGHT BOX
008001 16S- 903 179121859 0416728811 123504 CSM001 FILE 8 A1 HI ALT
008041 07B- 554 179152838 0416769451 153535 CSM001 FILE 8 ENTIRE ID
008042 02S- 513 179160854 0416778091 161056 CSM001 FILE 8 DIURNAL 10/83
008043 02S- 339 179174356 0416798443 174538 CSM001 FILE 8 DIURNAL 10/83
008044 04B- 234 179184833 0416812299 185324 CSM001 FILE 8 DIURNAL 10/80
008006 16S- 154 179192852 0416820939 194505 CSM001 FILE 8 DIURNAL 10/83
008045 16B- 137 179194539 0416824512 195905 CSM001 FILE 8 ID
008011 S05- 104 179201853 0416831643 202250 CSM001 FILE 8 OFF PLANET  3 MIN
008011F 05-  14 179210855 0416842368 210914 CSM001 FILE 8 A1 OBLIQUE
008046 02B-  12 179211002 0416842603 211229 CSM001 FILE 8 A1 LEFT SIDE COV
008047 02B-  10 179211243 0416843179 211510 CSM001 FILE 8 A1 RT   SIDE COV
008016F 7B-   6 179211623 0416843968 212356 CSM001 FILE 8 A1 W/A STEREO #1
008021 S34    0 179213601 0416848160 220956 CSM001 FILE 8 EXTRA

009040 09B- 930 180123139 0417040096 124059 CSM001 FILE 9 ATMOS TIGHT BOX
009001F 05- 900 180130206 0417046624 130225 CSM001 FILE 9 A1 HI ALT RED
009041 18B- 210 180195144 0417134400 200935 CSM001 FILE 9 ID
009042 10S-   5 180215630 0417161136 220648 CSM001 FILE 9 A1 TO OFF LIMB
009021F 40+   7 180220934 0417163936 221435 CSM001 FILE 9 LOW ALT B1
009043 07B+1040 181084142 0417299392 084941 CSM001 FILE 9 PREDAWN A1 GLOBAL

010001 06B- 530 181171020 0417408384 171717 CSM001 FILE10 ILL DISK
010040 18B- 430 181181013 0417421216 182831 CSM001 FILE10 GLOBAL BOX
010002 02S- 359 181184036 0417427728 184237 CSM001 FILE10 -15/69
010003 05B- 300 181194016 0417440512 194601 CSM001 FILE10 -15/69
010004 16S- 159 181204035 0417453440 205701 CSM001 FILE10 -15/69
010021 S24- 124 181211546 0417460976 214944 CSM001 FILE10 EXTRA
010001F 80-   8 181223141 0417477248 223915 CSM001 FILE10 A1 W/A STEREO 1
010022 S34    0 181231045 0417485616 234443 CSM001 FILE10 EXTRA
010020 S59    0 182143015 0417682651 152959 CSM001 FILE10 OFF SETS
```

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

```
011040 09S-    9 182230903 0417793824 231801 CSM001 FILE11 C1 REGION COV
011041 04S     5 182232421 0417797104 232922 CSM001 FILE11 B1 RT SH CENTER
011042 07B 1586 183095852 0417933067 100648 CSM001 FILE11 PREDAWN A2 GLOBAL

012040 09B-1109 183122705 0417964832 123626 CSM001 FILE12 ATMOS TIGHT BOX
012041 09C- 930 183142700 0417990528 143621 CSM001 FILE12 ATMOS TIGHT BOX
012001F 05- 859 183145727 0417997008 145746 CSM001 FILE12 HI ALT A1 RED
012011FF05- 502 183185454 0418047936 185745 CSM001 FILE12 DUST CLOUD DIURNAL
012021FF05- 202 183215451 0418086496 215742 CSM001 FILE12 DUST CLOUD DIURNAL
012001 30F- 137 183222005 0418091904 225047 CSM001 FILE12 ID
012031FF05- 104 183225248 0418098912 225744 CSM001 FILE12 DUST CLOUD DIURNAL
012002 07B-  44 183231257 0418103232 232030 CSM001 FILE12 C1
012051F 40-   6 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 B1 LEFT - CENTER
012044 07B 1040 184103703 0418249824 104503 CSM001 FILE12 A1 PREDAWN GLOBAL
```

day

D-30001

TAPE NO. CSM002 REV 13-35 12 FILES

```
013001FH05- 502 184153302 0418313248 153735 CSM002 FILE 1 HI ALT A1 RED
013001 06P- 600 184183513 0418352288 184211 CSM002 FILE 1 ID
013011FH03- 502 184193300 0418364672 193542 CSM002 FILE 1 DUST CLOUD DIURNAL
013002 02S- 437 184193729 0418365632 193931 CSM002 FILE 1 PLATEAU -17/77
013003 02S- 359 184203530 0418376064 203732 CSM002 FILE 1 PLATEAU -17/77
013004 04P- 300 184213510 0418390848 214002 CSM002 FILE 1 PLATEAU -17/77
013021FH04- 202 184223257 0418403232 223543 CSM002 FILE 1 DUST CLOUD DIURNAL
013005 16S- 137 184223731 0418404208 225357 CSM002 FILE 1 PLATEAU -17/77
013006 30P- 137 184225811 0418408640 232834 CSM002 FILE 1 ID
013031FH08- 104 184233103 0418415680 233545 CSM002 FILE 1 DUST CLOUD DIURNAL
013041F 05-  11 185002336 0418426944 002355 CSM002 FILE 1 OBLIQUE A1
013040 05S-   5 185002931 0418428208 003432 CSM002 FILE 1 A1 FP CENTER
013041 07P 1585 185111509 0418566560 112309 CSM002 FILE 1 PREDAWN GLOBAL SCAN
013051FH05 1205 185123958 0418584736 124249 CSM002 FILE 1 HI ALT

014001FH05-1646 185141104 0418604256 141355 CSM002 FILE 2 HI ALT A1 RED
014001 05P-  43 186002913 0418736715 003642 CSM002 FILE 2 5B C1
014081F 8A-   8 186010432 0418744288 011206 CSM002 FILE 2 VIS
014040 06S    2 186011530 0418746635 012133 CSM002 FILE 2 A1 NW

018001 S92      189170200 0419875168 183359 CSM002 FILE 3 OFFSET NOISE DATA

019001 S22      191062359 0420355676 064559 CSM002 FILE 4 POWER ON @ HIGH RAT

020009 S28- 938 191192746 0420523547 195524 CSM002 FILE 5 OFF PLANET
020010 S03    0 191195528 0420529483 200234 CSM002 FILE 5 EXTRA
020001FH05- 904 191200239 0420531019 200525 CSM002 FILE 5 HIALT A1
020011 S04- 858 191200510 0420531568 200859 CSM002 FILE 5 EXTRA
020001 33S- 113 192035322 0420631888 042639 CSM002 FILE 5 NPM FOR DETT
020016F 78- 511 192045541 0420645248 050315 CSM002 FILE 5 A1 WNW
020002 83S   50 1920 2301 04206 1088 06 5 7 CSM002 FILE   NPM FOR DETT

022111 S31    0 193204725 0421157744 211733 CSM002 FILE 6 EXTRA
022011 S37- 334 194030455 0421238651 034112 CSM002 FILE 6 FIXED ANGLE SLEW
022041 07P- 250 194034917 0421248160 035718 CSM002 FILE 6 SOUTH POLE COV
022042 04P- 210 194035918 0421250304 040410 CSM002 FILE 6 SOUTH POLE TBOX
022012 S06    0 194054801 0421273600 062237 CSM002 FILE 6 EXTRA
022016F 78    0 194062931 0421282496 063704 CSM002 FILE 6 A1 WWNW
022013 S17    0 194064100 0421284944 075758 CSM002 FILE 6 EXTRA

026021FH54    3 198093309 0422556128 094256 CSM002 FILE 7 B1 WEST

027001FH10-   8 199095945 0422870336 100950 CSM002 FILE 8 A SITE WAF STEREO

028001FH15- 901 200014444 0423072896 015333 CSM002 FILE 9 VIS

032011 S37- 814 204020203 0424310891 023900 CSM002 FILE10 LAT OF 45 LON 130
032001FH15- 822 204045736 0424348512 051456 CSM002 FILE10 WEATHER C1 RED
032016FH56    1 204132035 0424456288 133329 CSM002 FILE10 B1 WEST SURVEY
```

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

```
034040 07B-1030 206040456 0424954368 041225 CSM002 FILE11 DIURNAL PTA 10/60
034012 S05- 942 206045238 0424964587 045747 CSM002 FILE11 LAT 35 LON 100
034001FF 2- 932 206050253 0424966768 050530 CSM002 FILE11 LANDER HIGH ALT R
034007 02S- 845 206055017 0424976944 055228 CSM002 FILE11 DIFFUSER SEARCH #1
034207 02S- 842 206055250 0424977488 055500 CSM002 FILE11 DIFFUSER SEARCH #2
034008 16S- 840 206055517 0424978016 061117 CSM002 FILE11 DIFFUSER FP
034041 03B- 820 206061500 0424982240 061800 CSM002 FILE11 IRTM DIFFUS PLATE
034042 06B- 800 206063501 0424986528 064310 CSM002 FILE11 IRTM DIUR PT B 1060
034001 11B- 415 206101955 0425034720 103148 CSM002 FILE11 12BT SOUTH OF -30
034010 S14- 401 206103418 0425037803 104825 CSM002 FILE11 LAT20-40 LONGO-OL/
034002 18B- 300 206113501 0425050816 115316 CSM002 FILE11 ID
034043 19B- 232 206120257 0425056800 122451 CSM002 FILE11 SOUTH LAT ATMOS BX
034003 08S- 210 206122517 0425061584 123354 CSM002 FILE11 FP MEMNONIA
034051F 10- 159 206123539 0425063808 130527 CSM002 FILE11 MEMNONIA -V
034004 04S- 100 206133519 0425076592 133949 CSM002 FILE11 -15/145
034005 05S- 40 206135519 0425080880 135918 CSM002 FILE11 NOON MERIDIAN
034006 06S- 35 206140020 0425081952 140614 CSM002 FILE11 CONST LAT
034044 06B- 21 206141355 0425084864 142053 CSM002 FILE11 IRTM DIURNAL
034045 09S- 13 206142159 0425086592 143048 CSM002 FILE11 13M SYS MAP
034071F 22- 3 206143217 0425088800 143351 CSM002 FILE11    SYSMAP  A1 GAP
034011 S31- 1 206143351 0425089136 144736 CSM002 FILE11 FP 25/32 TO 40/354

035013F 03- 810 207070255 0425301088 070307 CSM002 FILE12 SCAN CALIB
035003 05S- 735 207073750 0425308560 074246 CSM002 FILE12 10/83
035004 04S- 650 207082253 0425318208 082654 CSM002 FILE12 10/83
035005 04S- 600 207091253 0425328928 091656 CSM002 FILE12 10/83
035006 02S- 500 207101250 0425341776 101452 CSM002 FILE12 10/83
035007 02S- 400 207111252 0425354640 111454 CSM002 FILE12 10/83
035008 02S- 300 207121250 0425367488 121452 CSM002 FILE12 10/83
035009 16S- 152 207132020 0425381952 133646 CSM002 FILE12 10/83
035010 S05- 52 207142035 0425394864 142513 CSM002 FILE12 LAT -35 LON 113
035080 06B- 43 207142928 0425396768 143635 CSM002 FILE12 6B BEG F SYS MAP
035081 02S- 34 207143853 0425398784 144037 CSM002 FILE12 CONNECT
035082 07B- 30 207144228 0425399552 145010 CSM002 FILE12 MID F SYS MAP
035083 05B- 20 207145228 0425401695 145738 CSM002 FILE12 END F SYS MAP
035021F 2- 9 207150349 0425404128 150354 CSM002 FILE12 LANDER R/B OBLIQUE
035040 08S- 7 207150514 0425404432 151055 CSM002 FILE12 -6 SYS MAP
035041 08S- 1 207151153 0425405856 151922 CSM002 FILE12 8M SYS MAP
035031F 35 7 207152041 0425407744 152559 CSM002 FILE12 LB-1 SITE NW
```

TAPE NO. CSM003 REV 36-37 2 FILES

```
036001 10S- 547 <08060244 0425596752 0613c7 CSM003 FILE 1 0 WEST
036001FH 2- 532 <08061611 0425600064 062c4d CSM003 FILE 1 HI ALT LANDER R/V
036002 10S- 555 <08065044 0425607040 070103 CSM003 FILE 1 10S 15 WEST
036003 12S- 755 <08075042 0425619888 080311 CSM003 FILE 1 12S 30 WEST
036004 12S- 655 <08075044 0425632752 090213 CSM003 FILE 1 12S 45 WEST
036005 14S- 555 <08085041 0425645600 100516 CSM003 FILE 1 14S 60 WEST
036006 16S- 455 <08105043 0425658464 110723 CSM003 FILE 1 16S 75 WEST
036007 18S- 355 <08115045 0425671328 120930 CSM003 FILE 1 18S 90 WEST
036008 19S- 255 <08125042 0425684176 130932 CSM003 FILE 1 19S 105 WEST
036010 27S- 1U5 <08144045 0425707755 150720 CSM003 FILE 1 EXTRA DATA #1
036061 06[- 43 <08150725 0425713472 151640 CSM003 FILE 1 REG G SYS MAP
036062 02S- 33 <08151645 0425715472 152019 CSM003 FILE 1 CORRECT
036063 07[- 3[ <08152025 0425716256 153024 CSM003 FILE 1 8E MID G SYS MAP
036064 05[- 2[ <08153025 0425718400 153743 CSM003 FILE 1 5E END G SYS MAP
036040 09S- 12 <08153744 0425719968 154828 CSM003 FILE 1 -13M SYS MAP
036011F 22- 2 <08154820 0425722272 155004 CSM003 FILE 1 SYS MAP A1
036041 05S 0 <08155007 0425722615 160355 CSM003 FILE 1 -1 SYS MAP
036041F 22 13 <08160343 0425725536 160518 CSM003 FILE 1 SYS MAP B1 SOUTH
036042 52S 3[ <08162045 0425729184 165111 CSM003 FILE 1 THER EMI #1 PT #1
036242 36S 10[ <08165116 0425735728 172926 CSM003 FILE 1 THER EMI #1 PT #2
036043 69S 3S5 <08192041 0425768844 202920 CSM003 FILE 1 THER EMI #2

037001 05S- 5S5 <09104756 0425966448 105313 CSM003 FILE 2 5S -28/93 SOL PLAN
037002 03S- 5[[ <09112660 0425975024 113109 CSM003 FILE 2 -28/93 SOL PLANUM
037040 17[- 43[ <09115738 0425981376 121506 CSM003 FILE 2 IRTM GLOBAL BOX
037003 04S- 40[ <09122757 0425987072 123106 CSM003 FILE 2 -25/93 SOL PLANUM
037004 02S- 30[ <09132755 0426000736 133006 CSM003 FILE 2 -26/93 SOL PLANUM
037041 28[- 23[ <09135742 0426007104 142601 CSM003 FILE 2 SOUTHERN LAT ATMOS
037005 1[S- 20[ <09142757 0426015584 144423 CSM003 FILE 2 -26/93 SOL PLANUM
037060 0[[- 43 <09154438 0426030016 155144 CSM003 FILE 2 6E REG F SYS MAP
037061 02S- 34 <09155358 0426032016 155542 CSM003 FILE 2 CORRECT SYS MAP
037062 07[- 3[ <09155737 0426032800 160520 CSM003 FILE 2 MID F SYS MAP
037063 12[- 2[ <09160737 0426034544 161824 CSM003 FILE 2 END F SYS MAP + EXT
037001F 2- 9 <09161858 0426037376 162027 CSM003 FILE 2 LANDER CBL R/G + EX
037042 07S- 7 <09162041 0426037744 162625 CSM003 FILE 2 IRTM SYS MAP + EXT
037043 11S- 1 <09162658 0426039008 163801 CSM003 FILE 2 IRTM SYS MAP + EXT
037011F 1[- 9 <09163805 0426041472 164015 CSM003 FILE 2 B1 SITE NE.+ EXTRA
037041F 1S4 11 <09164019 0426041952 164114 CSM003 FILE 2 B1 SITE E. + EXTRA
037021 SE5+ 12 <09164114 0426042160 164606 CSM003 FILE 2 RT AT 037041F
```

TAPE NO. CSM004 REV 38-43 6 FILES

```
036001 05S- 60C c1011c908 0426283840 113419 CSM0   FILE 1 -5/104 N. LABYR
036002 04S- 5nC c10120508 0426291552 120511 CSM004 FILE 1 -5/104 N. LABYR
036003 02S- 40C c10130510 0426304416 130712 CSM004 FILE 1 -5/104 N LABYR
036004 02S- 30E c10135708 0426315552 135910 CSM004 FILE 1 -5/104 N LABYR
036005 16S- 20C c10150509 0426330128 152106 CSM004 FILE 1 -5/104 N. LABYR
036006 30F- 10C c10153448 0426336480 160503 CSM004 FILE 1 30MT THARSIS
036080 0F--  42 c1016c150 0426346560 163002 CSM004 FILE 1 6B PEG 1 SYS MAP
036061 02S-  34 c10163000 0426346331 163440 CSM004 FILE 1 CONNECT SYS MAP
036062 07F-  3C c10163449 0426349344 164341 CSM004 FILE 1 7B MIL 1 SYS MAP
036063 05E-  2C c10164346 0426351295 165038 CSM004 FILE 1 END 1 SYS MAP
036040 09S-  12 c10165050 0426352763 170058 CSM004 FILE 1 9S -1?M SYS MAP
036021 S03-   3 c10170100 0426354939 170400 CSM004 FILE 1 SLEW TO LANDER VERT
036001F  2    C c10170405 0426355616 170411 CSM004 FILE 1 LANDER VERTICAL
036041 0E3+   3 c10170415 0426355659 171411 CSM004 FILE 1 IRTM SYS MAP
036022 S04   1C c10171414 0426357787 171802 CSM004 FILE 1 SLEW TO B1
036011F 22+  13 c10171807 0426358624 171942 CSM004 FILE 1 B1 SITE EAST

039001 05S- 40C c11134200 0426620864 134759 CSM004 FILE 2 5S SOUTH SPOT
039001F  2- 65C c11135213 0426623072 135208 CSM004 FILE 2 ARSIA MONS
039002  4S- 3?5 c11141700 0426628368 142107 CSM004 FILE 2 4S SOUTH SPOT
03900?F  2- 22? c11151908 0426641696 151916 CSM004 FILE 2 ARSIA MONS
039005F  2- 15? c11154207 0426646624 154215 CSM004 FILE 2 ARSIA MONS
039006 16S- 15E c11154800 0426646800 160000 CSM004 FILE 2 16PL S SPOT
039016 S4S- 142 c11160100 0426650667 164200 CSM004 FILE 2 FP-22/120 TO-10/122
039007F 04-  5? c11164204 0426655467 164207 CSM004 FILE 2 ARSIA MONS
039004 04S-  5? c11164241 0426655563 164650 CSM004 FILE 2 4S S SPOT
039015 S26-  3F c11170530 0426664512 173243 CSM004 FILE 2 FP-30/140 TO 21/45
039011F  2-   ? c11173245 0426670320 173341 CSM004 FILE 2 LANDER CBL R/R
039040  ?S-   7 c11174346 0426670544 174311 CSM004 FILE 2 9M SYS MAP
03901E S07+   3 c11174440 0426672660 175107 CSM004 FILE 2 FP 35/34  TO .5/83
039017 S03+  1C c11175131 0426674363 175303 CSM004 FILE 2 SL 30/596 TO 52/3
039027F 0E+  12 c11175511 0426675136 175542 CSM004 FILE 2 B1 STERLO
039041 2S8+11?C c12044149 0426813696 050342 CSM004 FILE 2 NITE AIPOS MAP
039042 2E?+11?5 c12050646 0426819040 052101 CSM004 FILE 2 NITE AIPCS MAP

040001 0E3- E0C c12121837 0426911584 122E15 CSM004 FILE 3 TB CLOUD-ICE ARGYRE
040001F 0E- 50C c12131302 0426923232 132110 CSM004 FILE 3 SURVEY VICLET #1
040007F 0?- 45E c12132021 0426924611 132109 CSM004 FILE 3 SURVEY VICLET #2
04001EF 0E- 43E c12132110 0426924687 132210 CSM004 FILE 3 SURVEY VICLET #3
040023F 0?- 45E c12132320 0426925451 132418 CSM004 FILE 3 SURVEY VICLET #4
040031F 0E- 4?4 c12132423 0426925675 132502 CSM004 FILE 3 SURVEY VICLET #5
040037F 07- 4?2 c12132557 0426926011 132715 CSM004 FILE 3 SURVEY GREEN #4
040045F 0E- 42C c12132717 0426926299 132853 CSM004 FILE 3 SURVEY GREEN #3
040052F 07- 449 c12132858 0426926587 133004 CSM004 FILE 3 SURVEY GREEN #2
040061F 0E- 44E c12133039 0426927019 133146 CSM004 FILE 3 SURVEY REC #1
040067F 0E- 44E c12133151 0426927275 133304 CSM004 FILE 3 SURVEY REC # 2
040075F 0?- 444 c12133401 0426927744 133403 CSM004 FILE 3 SURVEY REC #3
040102F 0?- 442 c12133531 0426928064 133613 CSM004 FILE 3 SURVEY REC #4
040C31F 0E- 442 c12133700 0426928384 134000 CSM004 FILE 3 SURVEY REC #5
040002 21?- 44C c12133986 0426928832 140?05 CSM004 FILE 3 SOUTH 1/2 10 ARGYRE
040202 10?- 41E c12140338 0426934080 142507 CSM004 FILE 3 NORTH 1/2 10
040005 05?- 32C c12144033 0426943712 145E09 CSM004 FILE 3 9BT ARGYRE
040004 13?- 22C c12154834 0426956576 160?1d CSM004 FILE 3 13MT CLOUD-ICE
040005 10?- 21C c12161835 0426963008 161?4d CSM004 FILE 3 16PL FP 10/120
040006 3??- 13C c12164836 0426965440 172701 CSM004 FILE 3 3ETP LENSE MAPPING
040040 0?S-  42 c12170557 0426975504 174219 CSM004 FILE 3 IRTM OFF-AXIS RESP
040141 15?-  3C c12174C5F 0426982368 180201 CSM004 FILE 3 OFF-AXIS RESPONSE 2
```

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

```
041040 08F-1135 <13071520 0427155168 072321 CSM004 FILE 4 HI ELEV DIUR #1
041021 S17- 955 <13090253 0427178208 091554 CSM004 FILE 4 OFF PL BFOR 41041
041041 08E- 935 <13092020 0427181952 092811 CSM004 FILE 4 8 P
041080 02F- 902 <13095311 0427186960 095535 CSM004 FILE 4 HEADER
041081 02F- 882 <13102312 0427195392 102506 CSM004 FILE 4 FROST PATCH CHASMA
041042 06F- 735 <13112024 0427207648 112815 CSM004 FILE 4 HI ELEV #3
041043 06F- 635 <13122016 0427220512 122817 CSM004 FILE 4 HI ELEV #4
041044 06F- 535 <13132523 0427234464 133315 CSM004 FILE 4 HI ELEV #5
041001 06S- 500 <13135534 0427240928 140150 CSM004 FILE 4 -15/105 SYRIA PLA
041045 07F- 435 <13142525 0427247296 143316 CSM004 FILE 4 HI ELEV DIUR #6
041002 06S- 400 <13145544 0427253792 150152 CSM004 FILE 4 -15/105 FP
041026 S02- 355 <13150003 0427254740 150140 CSM004 FILE 4 FIX POINT -18/135
041046 06F- 340 <13151527 0427258016 152218 CSM004 FILE 4 HI ELEV DIUR #7
041023 S03- 305 <13154634 0427264710 154912 CSM004 FILE 4 FIX POINT -25/117
041002 02F- 306 <13154912 0427265280 155106 CSM004 FILE 4 NOCTUn  A+ 4
04101EF 06- 304 <13155143 0427265824 155214 CSM004 FILE 4 NOCTIS LACUS V
04102EF 06- 302 <13155219 0427265940 155447 CSM004 FILE 4 NOCTIS LACUS R
041003 04S- 300 <13155446 0427266704 155549 CSM004 FILE 4 -15/105
041022 S03- 256 <13160000 0427267590 160201 CSM004 FILE 4 SLEW OFF PL
041083 02F- 206 <13164914 0427278144 165108 CSM004 FILE 4 THARSIS
04103EF 20- 204 <13165145 0427278608 165558 CSM004 FILE 4 THARSIS R
041004 16S- 200 <13165543 0427279536 171210 CSM004 FILE 4 -15/105 16L
041047 06F- 140 <13171522 0427283744 172316 CSM004 FILE 4 HI ELEV DIUR #8
041005 27F- 130 <13172516 0427285067 175540 CSM004 FILE 4 24TP DENSE MAP
04106OF 09- 100 <13175540 0427292384 175652 CSM004 FILE 4 OLYMPUS MONS
04107OF 09- 56 <13175700 0427292608 175823 CSM004 FILE 4 ASCHAEUS MONS
04108OF 09- 56 <13175822 0427292950 180019 CSM004 FILE 4 NOCTIS LACUS
041046 15F- 47 <13180013 0427253355 182358 CSM004 FILE 4 ALL LAT DIUR #1
041049 05F- 31 <13182359 0427296460 183715 CSM004 FILE 4 HI ELEV DIUR #9
041050 0[illegible]- 16 <13182721 0427301312 184559 CSM004 FILE 4 ALL LAT DIUR 2
041024 S05- 10 <13184604 0427303179 185142 CSM004 FILE 4 DRIFTING EAST
041051 07F-  3 <13185135 0427304347 190001 CSM004 FILE 4 ALL LAT DIUR #3
041025 S06+  5 <13190006 0427306187 190613 CSM004 FILE 4 SLEWING SOUTH EAST
041052 04F  10 <13190616 0427307515 191200 CSM004 FILE 4 ALL LAT DIUR #4
041053 06F+1130 <14061520 0427450880 062441 CSM004 FILE 4 ALL LAT DIUR 6AP
041054 09F+1130 <14062520 0427453024 063441 CSM004 FILE 4 ALL LAT DI. CONETST

042001 06F- 500 <14143143 0427557248 144028 CSM004 FILE 5 NORTH SPOT
042002 06F- 400 <14150145 0427570112 154050 CSM004 FILE 5 NORTH SPOT
042004 16F- 155 <14170644 0427596896 175557 CSM004 FILE 5 16EL N SPOT
042005 29F- 125 <14175645 0427601184 182706 CSM004 FILE 5 30DT PHASE COV
042040 02S-  25 <14190607 0427616048 190603 CSM004 FILE 5 EMISSION PHASE FUNC
042041 02S-  22 <14190906 0427616688 191108 CSM004 FILE 5 EMISSION PHASE FUNC
042042 02S-  18 <14191705 0427616400 191907 CSM004 FILE 5 EMISSION PHASE FUNC
042043 02S-  10 <14192134 0427615360 192306 CSM004 FILE 5 EMISSION PHASE FUNC
042044 02S-   8 <14192340 0427619840 192516 CSM004 FILE 5 EMISSION PHASE FUNC
042045 02S-   4 <1 192822 0427620816 193001 CSM004 FILE 5 EMISSION PHASE FUNC
042046 02S-   2 <14193018 0427621232 193158 CSM004 FILE 5 EMISSION PHASE FUNC
042047 02S+   1 <14193313 0427621456 193453 CSM004 FILE 5 EMISSION PHASE FUNC
042048 02S+   3 <14193509 0427622272 193649 CSM004 FILE 5 EMISSION PHASE FUNC
042049 02S+   5 <14193724 0427624752 193913 CSM004 FILE 5 EMISSION PHASE FUNC
042050 02S+   7 <14193943 0427623248 194102 CSM004 FILE 5 EMISSION PHASE FUNC
042051 02S+  10 <14194211 0427623776 194350 CSM004 FILE 5 EMISSION PHASE FUNC
042052 02S+  13 <14194523 0427624464 194703 CSM004 FILE 5 EMISSION PHASE FUNC

043001 06F- 500 <15150P01 0427873600 151608 CSM004 FILE 6 -50/70 FP
043002 06F- 400 <15160003 0427886464 161659 CSM004 FILE 6 -50/70 FP
043003 0F- 300 <1517[illegible] 0427895328 171641 CSM004 FILE 6 -50/70 FP
043004 16F- 200 <15180F07 0427912192 182502 CSM004 FILE 6 16EL -50/70
043005 30F- 120 <15186F0F 0427916624 190149 CSM004 FILE 6 30DT PHASE COV
043001F 12+  12 <15202025 0427940544 202115 CSM004 FILE 6 VIS
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TAPE NO. CSM005 REV 44-55 12 FILES

```
044020 S20- 101 216194557 042824172F 200647 CSM005 FILE 1 -39/149 TO -16/94
044021 S02-  20 216200808 042824648C 200955 CSM005 FILE 1 -3/89 TO -24/94
044041F 28-   8 216203857 042825308E 204059 CSM005 FILE 1 SYS MAPPING 19N

045001 20P- 600 217132510 0428468704 134217 CSM005 FILE 2 20 TB ILL DISK
045002 24P- 600 217152514 0428454432 154333 CSM005 FILE 2 24 TB ILL DISK
045003 18P- 500 217162516 0428507296 164111 CSM005 FILE 2 18B DENSE AREA COV
045004 05S- 425 217170031 0428514848 170536 CSM005 FILE 2 5S 10/83 FP
045005 20P- 400 217172509 0428520128 173805 CSM005 FILE 2 20B DENSE AREA COV
045006 16P- 300 217182511 0428532992 184022 CSM005 FILE 2 16B DENSE AREA COV
045007 16S- 145 217194031 0428549136 195658 CSM005 FILE 2 16L 10/83
045008 31P- 127 217195755 0428552864 203128 CSM005 FILE 2 30TP DENSE AREA COV
045009 20P-  55 217203216 0428560224 205329 CSM005 FILE 2 20P DENSE AREA COV
045010 20P-  30 217205516 0428565152 211531 CSM005 FILE 2 20B DENSE COV
045011 10S-   8 217211731 0428569920 212737 CSM005 FILE 2 10S 4S 3FP
045040 10P+1028 218075314 0428706144 080011 CSM005 FILE 2 WHOLE DISK DIUR #1

045041 10P+1125 218085409 0428719200 090255 CSM005 FILE 2 WHOLE DISK DIUR #2

046040 10P-1208 218095514 0428732288 100511 CSM005 FILE 3 WHOLE DISK DIUR #3
046041 10P-1106 218105712 0428745568 110709 CSM005 FILE 3 WHOLE DISK DIUR #4
046042 10P-1005 218115817 0428758656 120814 CSM005 FILE 3 WHOLE DISK DIUR #5
046043 10P- 903 218130015 0428771936 131048 CSM005 FILE 3 WHOLE DISK DIUR #6
046044 10P- 802 218140120 0428785024 141133 CSM005 FILE 3 WHOLE DISK DIUR #7
046045 10P- 700 218150319 0428798304 151427 CSM005 FILE 3 WHOLE DISK DIUR #8
046046 11P- 559 218160414 0428811360 161559 CSM005 FILE 3 WHOLE DISK DIUR #9
046047 14P- 459 218170416 0428824224 171936 CSM005 FILE 3 WHOLE DISK DIUR #10
046048 15P- 359 218180418 0428837088 181750 CSM005 FILE 3 WHOLE DISK DIUR #11
046049 15P- 300 218190317 0428849728 191807 CSM005 FILE 3 WHOL DISK DIUR #12A
046050 10P- 245 218192019 0428853376 193127 CSM005 FILE 3 WHOL DISK DIUR #12B
046051 34P- 206 218195721 0428861312 203111 CSM005 FILE 3 WHOLE DISK DIUR #13
046011F 18-  40 218212312 0428879712 212432 CSM005 FILE 3 CANY SYS MAP 8 DEGS
046041F 26-   8 218215519 0428886592 215714 CSM005 FILE 3 SYS MAPPING 19 DEGN
046071F  2    0 218220238 0428888160 220246 CSM005 FILE 3 VL 1 LANDER

047041 03P- 558 219164118 0429127872 164422 CSM005 FILE 4 OFF PLANET
047080 02P-  40 219215838 0429195872 220102 CSM005 FILE 4 HEADER
047081 02P-   8 219223053 0429202784 223446 CSM005 FILE 4  FLER + EXTRA

048080 02P-  40 220223626 0429512544 223830 CSM005 FILE 5 HEADER
048011F 18-  40 220223858 0429513088 224018 CSM005 FILE 5 CANY SYS MAP 8S
048081 02P-   9 220230703 0429519104 230927 CSM005 FILE 5 HEADER
048041F  2-   9 220230934 0429519648 230944 CSM005 FILE 5 VL1 RED-BLUE OPL
048051F 14-   8 220231113 0429520000 231311 CSM005 FILE 5 MAP SYS 19N

049080 02P-  42 221231209 0429828767 231433 CSM005 FILE 6 HEADER
049011F 18-  42 221231440 0429829312 231602 CSM005 FILE 6 CANY SYS MAP 8S

050080 02P-  42 222234930 0430145344 235154 CSM005 FILE 7 HEADER
050081 02P-   8 223002342 0430152672 002606 CSM005 FILE 7 HEADER
050041F 2[illegible]-   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 14P- 800 223171124 0430368608 172607 CSM005 FILE 8 14 TB IL
051002 18P- 600 223191128 0430394336 192919 CSM005 FILE 8 18 TB IL
051003 18E- 500 223201130 0430407200 202957 CSM005 FILE 8 18TB DENSE AREA COV
051004 05S- 425 223204644 0430414752 205149 CSM005 FILE 8 5S 10/83 FP
051005 20P- 400 223211123 0430420032 213128 CSM005 FILE 8 DENSE AREA COV
051006 15E- 300 223221125 0430432896 222634 CSM005 FILE 8 DENSE AREA COV
051008 28H- 150 223232127 0430447904 235253 CSM005 FILE 8 50 TB DENAREA 1+2
051009 20H-  55 224001624 0430459680 003710 CSM005 FILE 8 DENSE AREA COV
051010 20H-  40 224004130 0430465056 010117 CSM005 FILE 8 20B DEN AREA COV
051040 16S-   1 224010117 0430469296 012850 CSM005 FILE 8 SYS MAP+41+41ZON
051041 08S    9 224012046 0430473472 012850 CSM005 FILE 8 SYS MAP
051012 10S+1204 224131144 0430625824 132552 CSM005 FILE 8 10S HELLAS

052040 12P-1100 224144831 0430646560 150126 CSM005 FILE 9 HI ALT PREDAWN
052041 18E- 600 224174837 0430685152 180654 CSM005 FILE 9 HI ALT POST DAWN
052042 13B- 330 224221836 0430743008 223151 CSM005 FILE 9 WHOLE DISK
052043 14P- 200 224234830 0430762272 000303 CSM005 FILE 9 SOUTH POLAR
052001 22P- 140 225000831 0430766560 003809 CSM005 FILE 9 22B SOUTH POLAR1+2
052001F 26- 104 225004353 0430774144 004546 CSM005 FILE 9 THARSIS SHIELDS
052044 08E-  40 225010833 0430779424 011753 CSM005 FILE 9 SPEC TARGET 35/40
052031F 20-   8 225013957 0430786155 020503 CSM005 FILE 9 SYS MAP -22N +20MIN

053002  8S- 540 225204553 0431031712 205358 CSM005 FILE10 8S -35/75
053003  6S- 451 225213452 0431042208 214036 CSM005 FILE10 6S -35/75
053006 10P- 430 225215528 0431046624 220449 CSM005 FILE10 10P DTUR 10/83
053004  6S- 400 225222552 0431053136 223156 CSM005 FILE10 6S -35/75
053005 18S- 222 226000327 0431074048 002213 CSM005 FILE10 16BL -35/75
053040 20P- 202 226002326 0431078336 004856 CSM005 FILE10 WHOLE DISK
053031F 45- 135 226005002 0431084027 011002 CSM005 FILE10 SO POLAR CAP SP1-7+
053041 20H- 103 226012227 0431090976 014345 CSM005 FILE10 GLOBAL ALBEDO #1
053042 20H-  40 226014527 0431095904 020515 CSM005 FILE10 GLOBAL ALBEDO #2
053043  8S-   1 226022220 0431103808 023056 CSM005 FILE10 SYS MAP
053044  8S+   8 226023153 0431105856 024039 CSM005 FILE10 SYS MAP

054080 02H- 900 226180009 0431304768 180253 CSM005 FILE11 2H LANDER R/V + VIS
054081 02H- 842 226182009 0431309056 182254 CSM005 FILE11 LANDER R/V + VIS
054005F  2- 826 226184242 0431313888 184255 CSM005 FILE11 LANDER
054001 10S- 300 227000235 0431382448 001303 CSM005 FILE11 10S -45/1   DAWN
054002 08H- 240 227003218 0431388800 004215 CSM005 FILE11 -45/1   DAWN +1/2HR
054040 07P- 208 227005424 0431393536 010130 CSM005 FILE11 SUNRISE BOX #1
054003 06H- 200 227010219 0431395232 010805 CSM005 FILE11 8S -45/1   DAWN +1H
054041 09P- 142 227012023 0431399104 012917 CSM005 FILE11 SUNRISE BOX #2
054042 12H- 128 227013407 0431402048 014632 CSM005 FILE11 SUNRISE BOX #3
054004 16P- 115 227014716 0431404864 022825 CSM005 FILE11 35F CANYON PT 1+2
054011F 29-   8 227025418 0431419232 025625 CSM005 FILE11 SYS MAP
054043 08S+   6 227030839 0431422304 031550 CSM005 FILE11 B1 RT SIDE COV

055000 60S- 819 227183918 0431621728 193920 CSM005 FILE12 DIFFUSER OPS 60L
055001 21P- 150 228014838 0431713728 021022 CSM005 FILE12 DENSE AREA MAP
055031F  2-  36 228021117 0431718592 021136 CSM005 FILE12 PHOBOS-STARS
055001F 20-  50 228025419 0431727808 025650 CSM005 FILE12 SYS MAP THARSIS
055042 08S+   5 228034417 0431738512 035220 CSM005 FILE12 B1 REGION MAPPING
```

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TAPE NO. CSM006 REV 56-64 9 FILES

056040	08F-1200	228161530	0431899488	162340	CSM006	FILE	1	MARS GLOBAL
056041	10F-1100	228171532	0431912352	172529	CSM006	FILE	1	GLOBAL
056042	10F-1000	228181525	0431925184	182522	CSM006	FILE	1	GLOBAL
056001	10F- 600	228221533	0431976640	222606	CSM006	FILE	1	DIUR 10/83
056002	10F- 520	228225525	0431985184	230558	CSM006	FILE	1	DIUR 10/83
056003	10F- 430	228234527	0431995904	235542	CSM006	FILE	1	DIUR 10/83
056004	06F- 350	229002528	0432004480	003226	CSM006	FILE	1	DIUR 10/83
056043	15F- 230	229014531	0432021632	020050	CSM006	FILE	1	SOUTH POLAR
056080	02F- 132	229024316	0432034016	025621	CSM006	FILE	1	SC HEM MAP 1+2+3+4
056005	06F- 115	229025636	0432036864	030256	CSM006	FILE	1	6B 10/83 DIURNAL
056010	S06- 110	229030300	0432038235	030838	CSM006	FILE	1	CLODE TO 10/83
056045	08S 5	229042049	0432054512	042715	CSM006	FILE	1	B1 REGION MAPPING
056046	11S+ 324	229073948	0432097552	075048	CSM006	FILE	1	DEIMOS AT 3600 KM
057040	10F- 900	229195146	0432254400	200143	CSM006	FILE	2	GLOBAL
057041	10F- 800	229205148	0432267264	210220	CSM006	FILE	2	GLOBAL
057001	08F- 218	230023346	0432340544	024213	CSM006	FILE	2	DIURNAL 0/135
057002	08F- 205	230024646	0432343328	025531	CSM006	FILE	2	DIUR 0/135
057003	09F- 140	230031151	0432348704	032112	CSM006	FILE	2	DIUR 0/135
057001F	28- 130	230032209	0432350912	032411	CSM006	FILE	2	S. HEM MAP 5
057004	09F- 115	230033647	0432354048	034644	CSM006	FILE	2	DIUR 0/135
057005	09F- 50	230040108	0432359264	041029	CSM006	FILE	2	DIUR 0/135
057031F	18- 40	230041201	0432361600	041318	CSM006	FILE	2	IUS CHASMA
057010	S14- 35	230041554	0432362427	045649	CSM006	FILE	2	FR CHASMA TO NT 60L
057042	08F+ 5	230045650	0432371200	050517	CSM006	FILE	2	NORTH OF 60 DEG LAT
057051F	03+ 45	230054213	0432380928	054223	CSM006	FILE	2	PHOPOS COLOR
058041	10F- 700	230222759	0432596448	223832	CSM006	FILE	3	GLOBAL
058080	02F- 602	230232547	0432608832	232811	CSM006	FILE	3	MELAS CHASMA
058001F	2- 600	230232819	0432609376	232828	CSM006	FILE	3	MELAS CHASMA
058042	11F- 58	230232958	0432609728	234106	CSM006	FILE	3	GLOBAL
058011F	2- 450	231001820	0432620096	001830	CSM006	FILE	3	ACRAEUS MONS
058001	09F- 400	231002754	0432622144	003715	CSM006	FILE	3	FP NORTH SPOT
058021F	2- 430	231004008	0432624768	004018	CSM006	FILE	3	ACRAEUS MONS
058031F	2- 300	231022824	0432647968	022834	CSM006	FILE	3	MELAS CHASMA
058043	15F- 230	231025759	0432654304	031341	CSM006	FILE	3	SOUTH POLAR
058002	09F- 140	231034801	0432665024	035722	CSM006	FILE	3	FP NORTH SPOT
058041F	06- 130	231035836	0432667296	035904	CSM006	FILE	3	ACRAEUS MONS
058081	02F- 47	231044052	0432676352	044317	CSM006	FILE	3	VALLAS MARINERAS
058061F	34- 45	231044324	0432676896	044540	CSM006	FILE	3	VALLES MARINERIS
058044	08S- 7	231052121	0432685024	052930	CSM006	FILE	3	SYS MAP
058045	08S+ 4	231053157	0432687312	054002	CSM006	FILE	3	SYS MAP
059040	07F-1100	231190401	0432861312	191144	CSM006	FILE	4	VOI-1T VLC-1 CORREL
059042	07F- 900	231210356	0432887008	211139	CSM006	FILE	4	VOI-2 VLC-1 CORREL
059001F	2- 802	231211244	0432888896	211254	CSM006	FILE	4	LANDER MET EXP
059043	07F- 800	231211423	0432889248	212121	CSM006	FILE	4	VOI-2 VLC-1 CORREL
059003F	2- 730	231223425	0432906400	223435	CSM006	FILE	4	LANDER MET EXP
059001	08F- 600	232000402	0432925600	001229	CSM006	FILE	4	-30/60
059002	08F- 510	232005403	0432936320	010251	CSM006	FILE	4	-30/60
059044	13F- 500	232010355	0432938432	011803	CSM006	FILE	4	GLOBAL
059003	08F- 410	232015356	0432945152	020224	CSM006	FILE	4	-30/60
059045	14F- 400	232020357	0432951296	021804	CSM006	FILE	4	GLOBAL
059004	08F- 310	232025358	0432962016	030038	CSM006	FILE	4	-30/60
059005	16S- 200	232040401	0432977024	042152	CSM006	FILE	4	16HL -30/60
059006	48F- 140	232042401	0432981312	051417	CSM006	FILE	4	TB 0-15 110-80PT1+2
059080	02F- 43	232052113	0432993568	052337	CSM006	FILE	4	IUS CHASMA
059011F	10- 40	232052345	0432994112	052506	CSM006	FILE	4	IUS CHASMA

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

```
060080 02B- 804 232223539 0433215232 223803 CSM006 FILE 5 HEADER
060001F 01- 801 232223811 0433215776 223816 CSM006 FILE 5 SURVEY S1
060002F  2- 759 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- 756 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 0433217088 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 13B- 745 232225446 0433219328 230818 CSM006 FILE 5 ARSIA MONS #1
060041 13B- 600 233003954 0433241856 005325 CSM006 FILE 5 ARSIA MONS #2
060042 13B- 430 223020948 0433261120 022319 CSM006 FILE 5 ARSIA MONS #3
060043 13B- 210 233042903 0433290960 044324 CSM006 FILE 5 ARSIA MONS #4
060021F 04- 200 233044323 0433294032 044546 CSM006 FILE 5 VF21 VARIAB FEATURE
060044 19B- 154 233044551 0433294560 050539 CSM006 FILE 5 GLOBAL
060001 21B- 138 233050851 0433299488 053232 CSM006 FILE 5 TB -15/30 110-80
060031F  2-   9 233063116 0433317152 063304 CSM006 FILE 5 LANDER R/E
060045 08S-   7 233063256 0433317504 064154 CSM006 FILE 5 SYS MAP
060041FB20+  10 233064157 0433319440 065426 CSM006 FILE 5 B1 NE PT 1+2+3+44
060047 09B+1230 233190953 0433479712 191914 CSM006 FILE 5 MARS GLOBAL

061240 03B-1000 233211529 0433506624 211833 CSM006 FILE 6 DIFFUSER SEARCH
061000 04S- 945 233213001 0433509736 213501 CSM006 FILE 6 DIFFUSER SEARCH
061001 09B- 430 234025531 0433579488 030509 CSM006 FILE 6 -30/90
061002 09B- 330 234034532 0433590208 035452 CSM006 FILE 6 -30/90
061003 09B- 300 234041533 0433596640 042434 CSM006 FILE 6 -30/90
061004 16B- 205 234051030 0433608416 052737 CSM006 FILE 6 16BL -30/90
061005 40B- 145 234053031 0433612704 054738 CSM006 FILE 6 40BT 15-30 90-60
061040 40B- 103 234061229 0433621696 064921 CSM006 FILE 6 GLOBAL ALBEDO #1+2
061001F  2-   9 234070650 0433633344 070703 CSM006 FILE 6 LANDER R/V
061042 06S-   2 234071301 0433634667 072000 CSM006 FILE 6 SYS MAP
061080 02B+   5 234072119 0433636448 072654 CSM006 FILE 6 B1 EAST PT 1+2
061081 04S+  11 234072825 0433637968 073228 CSM006 FILE 6 POST VIS IRTM FP
061043 10B+1130 234184534 0433783072 165241 CSM006 FILE 6 GLOBAL

062080 02B- 830 234231851 0433841632 232156 CSM006 FILE 7 LANDER HI ALT +VIS
062040 04B- 400 235035105 0433899968 035503 CSM006 FILE 7 ARSIA MONS DAWN #1
062011F 08- 330 235042121 0433906464 042156 CSM006 FILE 7 ARSIA MONS
062041 04B- 328 235042302 0433906816 042701 CSM006 FILE 7 ARSIA MONS DAWN #2
062021F 06- 315 235043619 0433909664 043643 CSM006 FILE 7 ARSIA MONS
062031F 06- 300 235045124 0433912896 045148 CSM006 FILE 7 ARSIA MONS
062042 05B- 258 235045303 0433913248 045849 CSM006 FILE 7 ARSIA MONS DAWN #3
062043 07B- 230 235052059 0433919232 052850 CSM006 FILE 7 ARSIA MONS DAWN #4
062001 24B- 135 235061606 0433931040 064246 CSM006 FILE 7 ARSIA MONS DENS COV
062041F 08- 100 235065119 0433936592 065159 CSM006 FILE 7 ARSIA MONS
062051F 08- 50 235070120 0433940736 070159 CSM006 FILE 7 ARSIA MONS
062044 06B- 47 235070401 0433941312 072032 CSM006 FILE 7 ARSIA MONS #5
062061F 11- 29 235072214 0433945216 072307 CSM006 FILE 7 LABYRINTH STEREO 2
062031 S17- 26 235072532 0433945920 074226 CSM006 FILE 7 FP -13/51 TO 22/45
062032 S09-  9 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 06S+  6 235075915 0433953147 080529 CSM006 FILE 7 8S B1
```

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

```
063080 02P- 125 236065916 0434248864 070359 CSM006 FILE 8 S HEMSP MAP 6 +VIS
063001 22P- 120 236070626 0434250400 074658 CSM006 FILE 8 -28-45/90-60 PT1+2
063031F 39-  38 236074707 0434259115 075702 CSM006 FILE 8 CANYON MAPPING
063002 08S-  10 236081642 0434265455 082509 CSM006 FILE 8 A1
063040 10S+  18 236083441 0434269312 084420 CSM006 FILE 8 B1 MAPPING
063041 18B+1200 236202625 0434421824 204555 CSM006 FILE 8 MIGHTNIGHT TB

064001 07B- 600 237030133 0434506496 031003 CSM006 FILE 9 10/83
064002 06B- 530 237033134 0434512928 033814 CSM006 FILE 9 10/83
064003 06B- 500 237040135 0434519360 040815 CSM006 FILE 9 10/83
064004 04B- 132 237072936 0434563936 073410 CSM006 FILE 9  10/83
064005 20B- 126 237073432 0434564992 075505 CSM006 FILE 9 -10/+5 - 110/80 PT1
064205 18B- 105 237075638 0434569728 081541 CSM006 FILE 9 -10/+5 - 110/80 PT2
064001FH27-  32 237082853 0434576640 083323 CSM006 FILE 9 CANYON STEREO #2
064020 S10-  25 237083559 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
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TAPE NO. CSM007 REV 65-74 10 FILES

```
065040 062- 58C c38000633 0434777568 001351 CSM007 FILE 1 PREDAWN GLOBAL
065041 06R- 8UC c38013636 0434796864 014304 CSM007 FILE 1 PREDAWN GLOBAL
065042 00R- 50C c38045633 0434835424 044442 CSM007 FILE 1 PREDAWN GLOBAL
065043 06.- 40C c38056635 0434845288 054246 CSM007 FILE 1 PREDAWN GLOBAL
065044 13P- 20C c38076639 0434874016 075113 CSM007 FILE 1 SOUTH POLAR
065001 18R- 13C c38086640 0434880448 082620 CSM007 FILE 1 18R -25/-45 110/80
065002 17R- 107 c38082540 0434885376 084812 CSM007 FILE 1 17R -26/-45 110/80
065001F 27- 2S c38090542 0434893087 091021 CSM007 FILE 1 CANYON STEREO #2+EX
065031F 03- 22 c38091432 0434894592 091459 CSM007 FILE 1 PHOBOS-STARS  +EX
065031 S03- 14 c38091600 0434895312 091926 CSM007 FILE 1 -27/3R TO -2/77SLEW
065041FH25- 1C c38091932 0434896064 092109 CSM007 FILE 1 SYS MAP 16N +H+EX
065045 085- 2 c38090128 0434898624 095010 CSM007 FILE 1 SYS MAP  +EX+PART 2

066040 07B- 70C c39031127 0435125760 031501 CSM007 FILE 2 PREDAWN GLOBAL
066041 07R- 60C c39041129 0435138624 041502 CSM007 FILE 2 PREDAWN GLOBAL
066001 08R- 50C c39051131 0435151488 052146 CSM007 FILE 2 -50/70
066002 06R- 48C c39054132 0435157520 054519 CSM007 FILE 2 -50/70
066003 06R- 40C c39061124 0435164320 061911 CSM007 FILE 2 -50/70
066004 06R- 30C c39071126 0435177184 072047 CSM007 FILE 2 -50/70
066005 16S- 20C c39081128 0435190048 082853 CSM007 FILE 2 16BL -50/70
066006 46R- 15C c39084129 0435195648 092708 CSM007 FILE 2 40B -10/5 - 50/60
066001FH30- 2S c39093521 0435208016 094405 CSM007 FILE 2 CANYON STEREO #2+EX
066031 S09- 27 c39094424 0435210000 095341 CSM007 FILE 2 SLEW-6/71 TO-7/77
066031FH25- 5 c39095845 0435211968 100305 CSM007 FILE 2 SYS MAP 16 N
066042 08S- 2 c39100355 0435214144 101820 CSM007 FILE 2 SYS MAP
066043 08S+ 7 c39101846 0435217328 102450 CSM007 FILE 2 SYS MAP

067001 10R- 60C c40044609 0435454624 045556 CSM007 FILE 3 8B  -30/60
067002 07R- 53C c40051610 0435461056 052250 CSM007 FILE 3 6B  -30/60
067003 07R- 50C c40054611 0435467488 055251 CSM007 FILE 3 6B  -30/60
067004 06R- 46C c40064613 0435480352 065253 CSM007 FILE 3 6B  -30/60
067005 06R- 30C c40074606 0435495184 075202 CSM007 FILE 3 4B  -30/60
067006 59R- 20C c40084608 0435506048 090453 CSM007 FILE 3 16BL -30/60
067001F 28- 13C c40094300 0435518224 094530 CSM007 FILE 3 SYS MAP #7
067040 16R- 5S c40094525 0435516784 100300 CSM007 FILE 3 GLOBAL ALBEDO #1
067031 S04- 42 c40100329 0435522624 100700 CSM007 FILE 3 SLEW -22/66TO 24/59
067041 02R- 4C c40100704 0435523392 102241 CSM007 FILE 3 GLOBAL ALBEDO #2
067031FH30- 1C c40100245 0435526896 103057 CSM007 FILE 3 SYS MAP 15N HEADER

066040 31R- 85C c41025044 0435736464 032211 CSM007 FILE 4 GLOBAL EX SCAN 1
066041 31R- 70C c41042038 0435757728 045205 CSM007 FILE 4 GLOBAL EX SCAN2
066042 33R- 55C c41055041 0435777024 062451 CSM007 FILE 4 GLOBAL EX SCAN 3
066043 27R- 25C c41065048 0435815584 091754 CSM007 FILE 4 SOUTH POLAR COV
066001 65R- 15C c41095040 0435828448 105449 CSM007 FILE 4 SOUTH HEMIS

069001 16S- 20C c42095501 0436137952 101150 CSM007 FILE 5 16BL ARSIA MONS
069020 S10- 2C c42112900 0436158080 113053 CSM007 FILE 5 FP SL-30/115TO 2/72
069060 02R- 1S c42113857 0436160224 114126 CSM007 FILE 5 HE/DER
069001F 32- 1S c42114128 0436160768 114349 CSM007 FILE 5 LUNAE PLANUM
069022 S06- 6C6 c42114340 0436161264 115626 CSM007 FILE 5 FP SL 15/56T037/350

070001 65R- 15C c43105915 0436460288 120324 CSM007 FILE 6 SOUTH HEM
070011 S10- 3 c43122503 0436477872 123503 CSM007 FILE 6 FPSLEW 7/8C TO3C/26
070060 02R+ 6 c43123507 0436480032 123756 CSM007 FILE 6 SYS MAP B1 HEADER
070001F 32+ 7 c43123735 0436481376 124000 CSM007 FILE 6 SYS MAP B-1
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TAPE NO. CSM007 REV 65-74 10 FILES (CONT)

```
071001 99S- 200 244105818 0436768656 124700 CSM007 FILE 7 VOLC FINE STRIP
071001FH32-  14 244124705 0436791968 125255 CSM007 FILE 7 SYSMAP LUNAEPLANUM

072001 65B- 130 245120714 0437092000 131124 CSM007 FILE 8 SO HEM
072020 S10-   5 245133231 0437110272 134253 CSM007 FILE 8 FP 3/80 TC 35/25
072001FH32+   7 245134258 0437112512 134750 CSM007 FILE 8 SYS MAP B1
072040 10S+ 330 245170733 0437156352 171815 CSM007 FILE 8 DEIMOS GOOD LUCK

073001 26B- 500 246091058 0437362800 093743 CSM007 FILE 9 -30 DIURNAL
073003 17B- 300 246111059 0437388512 112841 CSM007 FILE 9 -30 DIURNAL
073080  28      246135447 0437423616 135711 CSM008 FILE 9
073001FH32-  25 246134535 0437421643 140200 CSM007 FILE 9 SM LUNAEPLANUM+H+EX
073004 06B    0 246141102 0437427088 141734 CSM007 FILE 9 15B B1

074001 65B- 130 247131429 0437723552 141838 CSM007 FILE10 65B S. HEMISPHERE
074080 02B-  16 247142820 0437739376 143040 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 10F- 60C <52112901 0439243808 113952 CSM008 FILE 1 20B ILL HEM. PART 1
079201 15F- 545 <52114406 0439247040 115907 CSM008 FILE 1 20B ILL HEM. PART2
079001F 04- 525 <52120022 0439250528 120056 CSM008 FILE 1 PEDESTAL CALIB
079080 03F- 502 <52122657 0439256224 122942 CSM008 FILE 1 SOUTH POLAR #1
079011F 06- 50C <52122929 0439256768 122953 CSM008 FILE 1 SOUTH POLAR #1
079021F 06- 455 <52123425 0439257824 123448 CSM008 FILE 1 SOUTH POLAR #2
079002 23F- 40C <52132905 0439269536 135210 CSM008 FILE 1 20B ILL DISK
079003 14F- 20C <52152909 0439295264 154302 CSM008 FILE 1 20 DAWN STRIP
079004 17C- 10C <52162902 0439308096 164917 CSM008 FILE 1 10-20 N. PT #1
079081 03F- 3E <52165247 0439313184 170511 CSM008 FILE 1 HEADER SYS MAP
079031F 30- 22 <52170518 0439315872 171055 CSM008 FILE 1 SYS MAP
079061F 32- 1E <52171059 0439317088 171907 CSM008 FILE 1 8B N POLAR PT1
079005 08P    C <52172903 0439320960 173704 CSM008 FILE 1 10B N POLAR PT B
079006 06E    9 <52175904 0439323104 174517 CSM008 FILE 1 10B N POLAR PT B

080040 05F- F0C <53160132 0439538632 100606 CSM008 FILE 2 4B KASEI VALLIS PC
080001 17F- 20C <53161134 0439610784 161841 CSM008 FILE 2 DAWN STRIP (5) PT1
080201 17F- 142 <53161929 0439614624 162656 CSM008 FILE 2 DAWN STRIP (5) PT2
080002 11C-  5C <53171136 0439625792 172227 CSM008 FILE 2 10-20 N PT 2
080041 08F-  3E <53172632 0439628992 173406 CSM008 FILE 2 KASEI VALLISS NOON
080001F 30-  22 <53175820 0439631520 174455 CSM008 FILE 2 SYS MAP
080031F 32-  1E <53174753 0439633568 175013 CSM008 FILE 2 N POLAR PT 2-A
080003 07P    C <53180129 0439636480 180822 CSM008 FILE 2 N POLAR PT 2-B
080004 06E4   9 <53181129 0439638624 181702 CSM008 FILE 2 N POLAR PT 2-B

081040 39F- 547 <54124652 0439877632 132529 CSM008 FILE 3 WHOLE DISK DIUR 1A
081041 16F- 352 <54144151 0439902272 145710 CSM008 FILE 3 WHOLE DISK DIUR  B
081042 36F- 217 <54161649 0439922624 165227 CSM008 FILE 3 WHOLE DISK DIUR  C
081080 35F- 13E <54165847 0439931616 173349 CSM008 FILE 3 ILL DISK
081001 11F-  4E <54174849 0439942336 175957 CSM008 FILE 3 10-20 PART 3
081081 02F-  2E <54180814 0439946496 181058 CSM008 FILE 3 HEADER
081001F 30-  22 <54181045 0439947040 181256 CSM008 FILE 3 SYS MAP
081002 10F    E <54183355 0439952000 184802 CSM008 FILE 3 N POLAR PART 3A
081003 08P+   9 <54184346 0439954112 185107 CSM008 FILE 3 N POLAR PART 3B
081043 14P+  1E <54185346 0439956256 190759 CSM008 FILE 3 LATEE EVEN DIURNAL

083040 11F- 5C2 <56132549 0440477408 113658 CSM008 FILE 4 WHOLE DISK DIURN 2A
083041 16F- 352 <56130646 0440499040 132205 CSM008 FILE 4 WHOLE DISK DIURN 2B
083001 33F- 251 <56140648 0440511904 143927 CSM008 FILE 4 30 B 1H
083042 36F- 217 <56144145 0440519392 151723 CSM008 FILE 4 WHOLE DISK DIURN C
083080 35F- 13E <56152043 0440527744 155844 CSM008 FILE 4 ILL DISK
083043 07F-  4E <56162242 0440541024 162509 CSM008 FILE 4 CAPRI REGION MAP
083001F 24-  27 <56165103 0440542816 163247 CSM008 FILE 4 CHANNEL SOURCE
083031F 24-  24 <56165420 0440543520 163604 CSM008 FILE 4 SOURCE AREA CHANNEL
083003 19F-  2C <56165746 0440544256 165609 CSM008 FILE 4 15S NP 30W
083004 14P    E <56165841 0440545728 171213 CSM008 FILE 4 15B NP MAP
083044 14P+  1E <56171242 0440553024 173254 CSM008 FILE 4 LATE EVEN DIURNAL
```

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

```
084040 39F- 54E c57090434 0440755712 094311 CSM008 FILE 5 WHOLE DISK DIUR 1A
084041 15F- 351 c57105933 0440780352 111453 CSM008 FILE 5 WHOLE DISK DIUR  B
084001 31F- 251 c57115935 0440793216 122214 CSM008 FILE 5 30F IF
084042 2EF- 21E c57126432 0440800704 131010 CSM008 FILE 5 WHOLE DISK DIUR C
084001FF60- 1E5 c57131600 0440809504 132757 CSM008 FILE 5 S HEMIS MAP 84-1+2+
084081 24F- 119 c57133135 0440812928 135613 CSM008 FILE 5 ILL DISK 1
084281 19F-  93 c57135734 0440818496 141653 CSM008 FILE 5 ILL DISK 2
084044 05F-  41 c57141931 0440823200 142640 CSM008 FILE 5 WHITE ROCKS+VIS 61F
084003 17F-  24 c57142641 0440824736 144348 CSM008 FILE 5 15S MP 330W
084071FF14-   1 c57145017 0440829792 145348 CSM008 FILE 5 FRETTS NILOSYRTIS+H
084004 15E+   3 c57145436 0440830720 150508 CSM008 FILE 5 15P MP MAP
084043 14E+  2C c57151129 0440834336 152541 CSM008 FILE 5 LATE EVEN DIURN

085040 11F- 532 c58071124 0441040032 072252 CSM008 FILE 6 WHOLE DISK DIURN 2A
085001FF3E- 501 c58074210 0441046624 075505 CSM008 FILE 6 SURVEY V1-4 +R4
085041 15F- 351 c58085221 0441061664 090740 CSM008 FILE 6 WHOLE DISK DIURN B
085001 31F- 251 c58095223 0441074528 102350 CSM008 FILE 6 30F 1F30B 1H30E 1F
085042 2EF- 21E c58102719 0441082016 110257 CSM008 FILE 6 WHOLE DISK DIURN C

085043 12F- 134 c58110926 0441091040 112146 CSM008 FILE 7 HELLAS NOON
085081 23F- 113 c58112422 0441094240 114752 CSM008 FILE 7 ILL DISK PT 1
085281 14F-  54 c58114927 0441099616 120344 CSM008 FILE 7 ILL DISK PT 2
085003 0EF-  4C c58120343 0441102672 121407 CSM008 FILE 7 15S MP 290F
085044 07F-  29 c58121442 0441105024 122108 CSM008 FILE 7 SYRTIS MAJOR NOON-1
085244 09F-  22 c58122143 0441106528 123001 CSM008 FILE 7 SYRIS MAJOR
085061F 02F-  11 c58125245 0441110896 123218 CSM008 FILE 7 15F N POLAR MAP
085004 14E+   4 c58124827 0441112256 130239 CSM008 FILE 7 LATE EVEN DIURN
085045 14E+  2C c58130425 0441115680 131857 CSM008 FILE 7 LATE EVEN DIURN
```

TAPE NO. CSM009 REV 86-90 6 FILES

```
086040 30F- 546 c59045016 0441318360 052855 CSM009 FILE 1 WHOLE DISK DIURN 1A
086041 15F- 351 c59064517 0441343008 070057 CSM009 FILE 1 WHOLE DISK DIURN  B
086001 29F- 251 c59074519 0441355872 081450 CSM009 FILE 1 30F 1F30B 1H30B 1F
086042 35F- 216 c59082016 0441363360 085554 CSM009 FILE 1 WHOLE DISK DIURN C
086080 23F- 119 c59091710 0441375584 094026 CSM009 FILE 1 ILL DISK PT 1
086280 19F-  54 c59094224 0441380960 100118 CSM009 FILE 1 ILL DISK PT 2
086003 07F-  25 c59100720 0441386304 101453 CSM009 FILE 1 15S NF 250W PT 1
086203 06F-  14 c59102158 0441388944 102744 CSM009 FILE 1 25S NF 250W PT 2
086001FF24-   3 c59103310 0441391840 103726 CSM009 FILE 1 HECATES T CHANNELS
086031F 24+   1 c59103841 0441393024 104625 CSM009 FILE 1 HECATES T CHANNELS
086004 15F+   5 c59104150 0441393696 105602 CSM009 FILE 1 15F N POLAR MAP
086043 14F+  21 c59105722 0441397024 111154 CSM009 FILE 1 LATE EVEN DIURN

087040 11F- 532 c60025623 0441602528 030761 CSM009 FILE 2 WALK DIURN PT 1
087041 15F- 352 c60040720 0441624160 045209 CSM009 FILE 2 WALK DIURN PT 2
087080 15F- 230 c60055919 0441641728 061402 CSM009 FILE 2 WHOL DISK JOINT PT1
087280 35F- 213 c60071620 0441645376 065127 CSM009 FILE 2 WHOL DISK JOINT PT2
087001FF36- 135 c60085416 0441653504 070215 CSM009 FILE 2 HESPERIA MAP+HEADER
087002 32F- 126 c60090323 0441655456 073509 CSM009 FILE 2 ILL DISK
087010 S07-  52 c60095540 0441662368 074244 CSM009 FILE 2 OFFSETS
087051F 04-  46 c60074245 0441663904 074805 CSM009 FILE 2 PHOBOS/STARS
087042 04F-  35 c60075427 0441666400 075825 CSM009 FILE 2 210 CONST LONG STRP
087001 04S-  28 c60080119 0441667872 080518 CSM009 FILE 2 210 CONS LONG STRIP
087201 05S-  20 c60080856 0441669504 081346 CSM009 FILE 2 210 CONS ALONG STRIP
087043 04S-  12 c60081642 0441671168 082018 CSM009 FILE 2 ELYSIUM MONS
087044 04S-   5 c60082343 0441672672 082761 CSM009 FILE 2 MESOGAEA CRATERTAIL
087002 17F    0 c60082524 0441673888 084622 CSM009 FILE 2 N POLAR MAP 60-EON
087045 14F+  19 c60084924 0441676176 090356 CSM009 FILE 2 EVENING DIURNAL

088040 39F- 547 c61063459 0441880800 011356 CSM009 FILE 3 WALK DIURN PT 1
088041 16F- 352 c61082958 0441905440 024518 CSM009 FILE 3 WALK DIURN PT 2
088001F 32- 201 c61092100 0441916368 033107 CSM009 FILE 3 SOUTH POLE +EX
088042 36F- 218 c61040354 0441925568 043952 CSM009 FILE 3 WALK DIURN PT 3

088080 30F- 141 c61044011 0441933344 051155 CSM009 FILE 4 ILL DISK PT 1
088041F 12- 110 c61051200 0441940160 051405 CSM009 FILE 4 APOLLINARIS PATERA
088061F 12- 107 c61051410 0441940624 051605 CSM009 FILE 4 MA ADIM VALLIS
088081F 08- 106 c61051606 0441941014 054719 CSM009 FILE 4 CERBERUS TAILS
088043 15F-  32 c61054853 0441946064 060155 CSM009 FILE 4 MEDUSA MENNONIA
088001 13S-  17 c61060416 0441955136 061745 CSM009 FILE 4 18S OLYM FLANK SCAT
088002 16F    0 c61062153 0441955136 063945 CSM009 FILE 4 N POLAR MAP
088044 15F+  19 c61064154 0441959424 065606 CSM009 FILE 4 EVEN DIURN

089000 16S- 619 c61195451 0442129344 201055 CSM009 FILE 5 16L DIFFUSER MAWD

090040 30F- 547 c62202016 0442443360 205853 CSM009 FILE 6 WALK DIURN PT 1
090041 15F- 352 c62221515 0442468000 223004 CSM009 FILE 6 WALK DIURN PT 2
090042 35F- 217 c62235023 0442481984 002600 CSM009 FILE 6 WALK DIURN PT 3
090080 41F- 135 c63000220 0442497376 011303 CSM009 FILE 6 ILL DISK
090001 04S-  47 c63011554 0442507568 012555 CSM009 FILE 6 PHASE 10/83 [1+LX
090001F 12-  35 c63015204 0442510176 013204 CSM009 FILE 6 ARSIA MONS
090002 04S-  21 c63015539 0442510944 013547 CSM009 FILE 6 PHASE 10/83 [2]
090021F 16-  27 c63015946 0442511824 014248 CSM009 FILE 6 PAVONIS MONS  +EX
090041F 1F-  23 c63014352 0442512704 014850 CSM009 FILE 6 ASCRAEUS MONS +EX
090003 05S-  11 c63014834 0442513712 015402 CSM009 FILE 6 PHASE 10/83 [3]
090061F 06-   6 c63015839 0442515872 015902 CSM009 FILE 6 THARSIS THOLUS
090004 02S-   5 c63020136 0442516512 020302 CSM009 FILE 6 PHASE 10/83 [4]
090043 05S-   1 c63020540 0442517376 021057 CSM009 FILE 6 KASEI VALLIS
090005 15F    4 c63021215 0442518784 022542 CSM009 FILE 6 N POLAR MAP
090044 17F   19 c63022719 0442522016 024444 CSM009 FILE 6 EVEN DIURN
```

TAPE NO. CSM010 REV 91-104 11 FILES

```
091040 11P- 532 263182705 0442727680 183814 CSM010 FILE 1 WALK DIURN PT1
091041 16P- 352 263200802 0442749312 202407 CSM010 FILE 1 WALK DIURN PT2
091042 26P- 217 263214301 0442769664 220950 CSM010 FILE 1 WALK DIURN PT3
091080 40P- 135 263222508 0442778688 230550 CSM010 FILE 1 ILL DISK
091001F 12- 35 263232509 0442791552 232626 CSM010 FILE 1 HELAS OPHIR CHASMAE
091043 05S- 29 263233023 0442792672 233515 CSM010 FILE 1 KASEI VALLIS
091001 06P- 23 263233706 0442794112 234328 CSM010 FILE 1 45 DEG CONS LONGPT1
091201 05P- 15 263234501 0442795808 235011 CSM010 FILE 1 45 DEG CONS LONGPT2
091044 05S- 7 263235225 0442797392 235730 CSM010 FILE 1 VL-1 NOON
091002 09P 0 264000006 0442799040 000927 CSM010 FILE 1 N POLAR MAP PT1
091202 07P+ 10 264001100 0442801376 001807 CSM010 FILE 1 N POLAR MAP PT2
091045 14P+ 19 264002007 0442803328 003419 CSM010 FILE 1 EVEN DIURN

093001F 16- 136 265182958 0443345440 183945 CSM010 FILE 2 S HEMIMAPAPT1+2+3+4
093041 12P- 45 265192136 0443356512 193323 CSM010 FILE 2 SINUS MERIDIANI REG
093042 11P- 30 265193634 0443359712 194743 CSM010 FILE 2 -5 TO 20 NOON OPS
093043 11S- 7 265195854 0443364496 200938 CSM010 FILE 2 AUGAKUH,HUO HSING
093001 04P+ 5 265201234 0443367424 201632 CSM010 FILE 2 201285 DV
093002 80S+ 247 265225404 0443402032 001403 CSM010 FILE 2 DIFFUS PL,SOL OCC N

094001F 18- 140 266164013 0443630496 164131 CSM010 FILE 3 S HEMIS MAP 941
094021F 16- 136 266164349 0443631264 164407 CSM010 FILE 3 S HEMIS MAP 942
094041F 14- 133 266164706 0443631968 164805 CSM010 FILE 3 S HEMIS MAP 943
094061F 10- 130 266165005 0443632608 165046 CSM010 FILE 3 S HEMIS MAP 944
094071F 06- 127 266165255 0443633216 165318 CSM010 FILE 3 S HEMIS MAP 945
094040 12P- 45 266173529 0443642336 174714 CSM010 FILE 3 SINUS SABAES REGION
094041 14P- 28 266175213 0443645920 180647 CSM010 FILE 3 SYRTIS MAJOR NOONOB
094001 19S- 11 266180843 0443649456 182746 CSM010 FILE 3 PHASE 20/285 PT2
094002 30S 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 267145739 0443917088 145847 CSM010 FILE 4 S HEMIS MAP 952
095041F 14- 133 267150056 0443917792 150156 CSM010 FILE 4 S HEMIS MAP 953
095061F 12- 130 267150405 0443918464 150455 CSM010 FILE 4 S HEMIS MAP 954
095081F 08- 127 267150704 0443919104 150736 CSM010 FILE 4 S HEMIS MAP 955
095042 13S- 104 267152937 0443923936 154233 CSM010 FILE 4 HELLAS FORN
095043 11P- 50 267154415 0443927072 155600 CSM010 FILE 4 HUYGENS REGION
095044 11P- 35 267155920 0443930304 161029 CSM010 FILE 4 SYRTIS MAJOR
095001 05P- 22 267161220 0443933088 161739 CSM010 FILE 4 PHASE 25/245 PT1
095201 14S- 14 267161939 0443934656 163311 CSM010 FILE 4 PHASE 25/245 PT2
095401 05P 0 267163502 0443937952 164021 CSM010 FILE 4 PHASE 25/245 PT3

097040 15P- 215 269131159 0444511584 132602 CSM010 FILE 5 SOUTH POLAR BOX
097001F 12- 135 269135217 0444520224 135308 CSM010 FILE 5 S HEMIS MAP 970
097013F 19 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
097069F 19 269140754 0444523552 140852 CSM010 FILE 5
097085F 14 269141107 0444524256 141205 CSM010 FILE 5
097041 09P- 127 269141357 0444524864 142206 CSM010 FILE 5  SUNRISE BOX 1
097042 07S- 119 269151721 0444538448 152430 CSM010 FILE 5 ELYSIUM MONS MAP
097002 15S- 104 269181124 0444575744 182625 CSM010 FILE 5 SOLAR OCC N
097003 15S- 49 269194734 0444596352 200235 CSM010 FILE 5 SOLAR OCC X
```

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

```
098001 15P- 130 270143511 0444837984 145030 CSM010 FILE 6 SH GLOBAL MAP 1
098201 23P- 112 270145333 0444841920 151647 CSM010 FILE 6 SH GLOBAL MAP 2
098040 06S-  16 270154906 0444853824 155541 CSM010 FILE 6 ALBOR THOLUS MAP
098041 20S  248 270185425 0444893536 191427 CSM010 FILE 6 SUN OCC ENTRY
098042 20S  432 270203826 0444915824 205826 CSM010 FILE 6 SUN OCC EXIT

099040 08P- 130 271151335 0445154784 152108 CSM010 FILE 7 SUNRISE BOX 3
099011 S37- 109 271153520 0445159440 161212 CSM010 FILE 7 FP-50/238 TO 0/244
099001F 24-  32 271161216 0445167360 161756 CSM010 FILE 7 3 COLOR MAP VIOLET
099001 15S+ 240 271192503 0445208672 194005 CSM010 FILE 7 DIF PL SOL OCC X
099041 24P+ 324 271200925 0445218176 203306 CSM010 FILE 7 GLOBAL MIDNIGHT
099061F 06+ 350 271203505 0445223680 203529 CSM010 FILE 7 FOR SCAT LIMB
099042 10S+ 352 271203738 0445224224 204739 CSM010 FILE 7 CRESLIMATMFSCAT PT1
099242 10S+ 405 271204939 0445226800 205941 CSM010 FILE 7 CRESLIMATMFSCAT PT2
099002 15S+ 439 271212356 0445234144 213857 CSM010 FILE 7 DIF PL SOL OCC X

101041 08P- 700 273110048 0445717760 110822 CSM010 FILE 8 DIURN #1
101042 09P- 600 273120050 0445730624 120917 CSM010 FILE 8 DIURN #2
101043 09P- 507 273125351 0445741984 130245 CSM010 FILE 8 DIURN #3
101001 16P- 451 273130950 0445745408 132527 CSM010 FILE 8 DIURN 240W 1
101005F 30- 429 273133110 0445749984 133321 CSM010 FILE 8 R/V SURVEY 2
101035F 22- 425 273133521 0445750880 133656 CSM010 FILE 8 R/V SURVEY 3
101057F 14- 421 273133905 0445751680 134004 CSM010 FILE 8 R/V SURVEY 4
101044 13P- 400 273140045 0445756320 141305 CSM010 FILE 8 DIURNAL #4
101002 15P- 342 273141849 0445760192 143346 CSM010 FILE 8 DIUR 240W  #2
101045 14P- 300 273150047 0445769184 151455 CSM010 FILE 8 DIURN #5
101003 15P- 240 273152047 0445773472 153544 CSM010 FILE 8 DIUR 240W  #3
101046 16P- 210 273155048 0445779904 160653 CSM010 FILE 8 DIUR  #6
101047 21P- 145 273161545 0445785248 163631 CSM010 FILE 8 DIURN #7
101004 16P- 107 273165350 0445793408 170909 CSM010 FILE 8 DIUR 240W  #4
101048 10S-  48 273171207 0445797328 172204 CSM010 FILE 8 PHOBOS AT 4000 KM
101049 09P-  34 273172659 0445800512 173557 CSM010 FILE 8 MOD RES MAP
101081F 08-   3 273175744 0445807104 175816 CSM010 FILE 8 HECATES THOLUS COL

102080 03P- 137 274170146 0446103680 170410 CSM010 FILE 9 HEADER
102001F 24- 134 274170418 0446104224 176602 CSM010 FILE 9 SYS MAP
102001 40P- 120 274170905 0446105248 174947 CSM010 FILE 9 SH MAP
102040 10P-  30 274180849 0446118048 181837 CSM010 FILE 9 MOD RES MAP

103001FH24- 132 275174439 0446421440 174854 CSM010 FILE10 SYS MAP
103041 11P-  30 275184646 0446434752 185754 CSM010 FILE10 MOD RES MAP
103041F 04+  45 275200210 0446450912 200232 CSM010 FILE10 PHOBOS/STARS
103044 10S+  47 275200439 0446451440 201435 CSM010 FILE10 PHOBOS AT 5900 KM

104040 06P- 300 276165438 0446719296 170100 CSM010 FILE11 SP MONITORING
104001FH24- 139 276181503 0446736528 182446 CSM010 FILE11 SYS MAP
104001 14P- 130 276182450 0446738624 183910 CSM010 FILE11 SH MAPPING
104201 27P- 115 276183937 0446741792 190653 CSM010 FILE11 SP MAPPING PT 2
104041 10P-  35 276191938 0446750368 192944 CSM010 FILE11 MOD RES MAP
104031FH16-  13 276194100 0446754944 195055 CSM010 FILE11 ALBOR THOLUS COLOR
104042 05S-   3 276195100 0446757088 195638 CSM010 FILE11 HECATES THOLUS
104043 10P+  16 276201101 0446761376 202115 CSM010 FILE11 ALBA PATERA EVENING
104003 15S+ 244 276223940 0446793232 225442 CSM010 FILE11 OCC ENTRY
104002 15S+ 455 277005011 0446821200 010513 CSM010 FILE11 DIFF PL OCC X
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TAPE NO. CSM011 REV 105-119 12 FILES

105001	17S-	129	277190238	0447055296	191941	CSM011	FILE 1	16L ISIOIS
105002	16P-	50	277194222	0447063808	200042	CSM011	FILE 1	E. HELLAS (AM)+EX
105040	11P-	31	277200044	0447067744	201157	CSM011	FILE 1	MOD RES MAP
105041FH08-		13	277201906	0447071680	202342	CSM011	FILE 1	PLAINS COLOR+H+EX
105001FH08-		8	277202344	0447072672	202648	CSM011	FILE 1	CRATER ADAMS+H+EX
105041	16S-	1	277203040	0447074160	204620	CSM011	FILE 1	CANOPS
105043	07S+	13	277204621	0447077520	205303	CSM011	FILE 1	HILANKOVIC CRATER
105044	20S+	245	277231804	0447110032	233806	CSM011	FILE 1	SOLAR OCC ENTRY
105045	20S+	458	278013130	0447138624	015132	CSM011	FILE 1	SOLAR OCC EXIT
106001FH64-		132	278193718	0447371296	195041	CSM011	FILE 2	P-90 MIN SURV+H234
106001	21P-	100	278200952	0447378272	203025	CSM011	FILE 2	SPOLAR MAP
106040	12P-	35	278203457	0447383648	210014	CSM011	FILE 2	MOD RES MAP + EX
106081FH08-		9	278210020	0447389088	210324	CSM011	FILE 2	ELYSIUM MONS COLOR
106041	04S+	2	278211212	0447391632	211702	CSM011	FILE 2	STOKES CRATER
106002	15S+	246	278235615	0447426784	001116	CSM011	FILE 2	OCC ENTRY
106003	15S+	502	279021213	0447455920	022715	CSM011	FILE 2	DIFF PL OCC X
107001	60S-	759	279134740	0447604944	144743	CSM011	FILE 3	DIFF LAMDA SCAN 60M
107040	06P-	300	279184718	0447669152	185340	CSM011	FILE 3	SP MONITORING
107041	11P-	35	279211218	0447700224	212304	CSM011	FILE 3	MOD RES MAP
107042	06S-	18	279212911	0447703840	213555	CSM011	FILE 3	ELYSIUM FOSSAE
107001FH08-		9	279213800	0447705728	214130	CSM011	FILE 3	PLAINS COLOR
107043	10S-	2	279214500	0447707216	215547	CSM011	FILE 3	MIE CRATERS-ENVIRON
107044	09S+	16	279220425	0447711392	221328	CSM011	FILE 3	ALBA PATERA EVEN
107002	15S+	247	280003439	0447743584	004941	CSM011	FILE 3	DIFF PL OCC N
107003	15S+	505	280025243	0447773168	030744	CSM011	FILE 3	DIFF PL OCC X
109001	16P-	500	281180157	0448276576	181734	CSM011	FILE 4	DIURN 240W PT 1
109002	15P-	400	281190150	0448289408	191647	CSM011	FILE 4	DIURN 240W PT 2
109040	15P-	325	281193655	0448296928	195139	CSM011	FILE 4	GLOBAL MONITORING
109003	15P-	300	281200152	0448302272	201649	CSM011	FILE 4	DIURN 240W PT 3
109001F	22-	233	281202817	0448307936	202955	CSM011	FILE 4	P-150 SURVEY
109031F	22-	229	281203214	0448308800	203334	CSM011	FILE 4	P-150 SURVEY
109061F	22-	225	281203612	0448309632	203747	CSM011	FILE 4	P-150 SURVEY
109004	16P-	200	281210154	0448315136	211713	CSM011	FILE 4	DIURN 240W PT 4
109041	10P-	35	281222652	0448333344	223613	CSM011	FILE 4	MOD RES MAP
109042	13S-	5	281225626	0448339680	230931	CSM011	FILE 4	SYS MAP
109043	20S+	511	282041315	0448407568	043316	CSM011	FILE 4	DIFF SOLAR OCC EXIT
110040	07P-	300	282203855	0448616784	204517	CSM011	FILE 5	S P MONITORING
110001	14P-	140	282220858	0448638080	222212	CSM011	FILE 5	S H MAPPING PT 1
110201	27P-	115	282222403	0448641312	225119	CSM011	FILE 5	S H MAPPING PT 2
110001F	04-	37	282230122	0448649312	230135	CSM011	FILE 5	PHOBOS AND STARS
110041	09P-	35	282230355	0448649856	231254	CSM011	FILE 5	MOD RES MAP
110042	13S-	2	282233620	0448656800	234916	CSM011	FILE 5	SYS MAP
111040	12P-	49	283232705	0448963392	233936	CSM011	FILE 6	OD RES MAP
111001F	04-	31	283234415	0448967072	234437	CSM011	FILE 6	PHOBOS LAST. EQUAT.
111041	06S-	28	283234719	0448967728	235300	CSM011	FILE 6	PHOBOS AT 5600 KM
111042	09S-	2	284001319	0448973296	003132	CSM011	FILE 6	SYS MAP
111020	30S+	15	284002254	0448975344	003135	CSM011	FILE 6	FP 41/192 TO 40/157
111011F	32+	15	284003136	0448977216	003547	CSM011	FILE 6	CYC19 MAPM+EXTRA
111001	15S+	515	284053132	0449041488	054400	CSM011	FILE 6	X-OCC / DIFFUSER
111023	51S+	630	284064635	0449057578	070000	CSM011	FILE 6	FP 37/136 TO 37/136

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

```
11c001 5c8- 149 c8423030 0449266852 2353c7 CSM011 FILE 7 SOS SYRTIS MAJOR LN
11c040 13c- 25 c850c1744 0449282c1f 002040 CSM011 FILE 7 MOD RES MAP
11c041 109- 3 c85004937 0449285e4e 005534 CSM011 FILE 7 SYS MAP
11c001F 62+ 13 c85010e11 0449292200 011426 CSM011 FILE 7 CYCLE 15 MAP
11c041F 04+ 11c c85015506 0449303e8f 015724 CSM011 FILE 7 PHOBOS MID LA/EAST
112042 128+ 1n4 c85015738 0449304224 020526 CSM011 FILE 7 PHOBOS AT 3900 KM
112051F 04+ 11e c8502c904 0449306672 020957 CSM011 FILE 7 PHOBOS MID EAST EQT

115041 105- 111 c88010152 0450224416 014124 CSM011 FILE 8 IRTM PHOBOS AT 3800
11500lF 0c- 2e c8801435e 0450227c0e 014400 CSM011 FILE 8 PHOBOS COLOR
115001 15c- 2c c88015236 0450226e64 021759 CSM011 FILE 8 EAST HELLAS (A.M.)
115040 1a7- 23 c8802c930 04c023249c 022126 CSM011 FILE 8 IRTM - MODERATE RES
115042 11c+ 1 c8802440c 0450239856 025549 CSM011 FILE 8 IRTM SYS MAPPING
115c11F 3c+ 15 c88025811 0450242912 030c01 CSM011 FILE 8 CYCLE 15 MAP
115002 158+ 52c c88040307 0450306256 081809 CSM011 FILE 8 X-OCC

116001 21c- 10c c8902185e 0450543072 024911 CSM011 FILE 9 SOUTH POLAR
11e040 11c- 22 c8902455e 0450546e64 025626 CSM011 FILE 9 IRTM - MODERATE RES
11e041 0e9+ 4 c8903e411 0450557056 033257 CSM011 FILE 9 IRTM SYS MPPINNG
11e042 203+ 52c c89005948 0450624688 085900 CSM011 FILE 9 IRTM DIFF SOL OCC X

117040 10c- 145 c900c1018 0450849752 022c03 CSM011 FILE10 SYRTIS MAJ SUNRISE1
117041 1e5- 115 c90024015 0450856224 025e23 CSM011 FILE10 SYRTIS MAJ SUNRISE2
117042 16c- 45 c90031020 0450862e56 0326c4 CSM011 FILE10 SYRTIS SUNRISE3
11700lF 3c- 1e c90036654 0450866e76 034700 CSM011 FILE10 ELYSIUM LOW PHASE
117043 113- 8 c90034659 0450870512 040652 CSM011 FILE10 SYS MAP
117044 298+ 39 c90040437 04508f072c 050319 CSM011 FILE10 PHOBOS ECL 7000KM 1
117244 098+ 1c9 c90050434 0450887136 051341 CSM011 FILE10 PHOBOS ECLIPSE 2

11e001 15c- 12c c91031057 04511713ec 032958 CSM011 FILE11 SYRTIS/ISIDIS MAP
11e01C 50c- 52 c91033f07 0451177184 034518 CSM011 FILE11 LAT.-20. @ LON.280
12e04C 12c- 45 c91034620 0451178944 035822 CSM011 FILE11 IRTM - MODERATE RES
12c011 51c- 29 c91040210 0451182336 042c3e CSM011 FILE11 LAT.-25 @ LON.270
11e021F 3c- 1c c91042040 0451186304 042300 CSM011 FILE11 ELYSIUM LOW PHASE
11e012 51c- 8 c9104c300 0451186816 043256 CSM011 FILE11 LAT. 25 @ LON. 210
11e041 059+ 2 c91046341 0451189088 044253 CSM011 FILE11 SYS MAP
12c013 507+ 11 c91044300 0451191072 044517 CSM011 FILE11 LAT. 53 @ LON. 150

119001 345- 13e c92035041 04514841eC 040445 CSM011 FILE12 ISIDIS DIURNAL
119001F 3c- 1c2 c92040443 0451451458 042216 CSM011 FILE12 HELLAS & COLOR MGV
119040 31c- 45 c92042221 0451455228 045203 CSM011 FILE12 MOD RES MAP
119c01FF0F- 14 c92045258 0451501792 050556 CSM011 FILE12 RILLE COLOR VOGR
119071FF0 1 c92050539 0451505056 051103 CSM011 FILE12 PLAINS 66 N COLOR
11c041 1c4+ 6 c9205113e 0451505792 052148 CSM011 FILE12 SYS MAP
```

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TAPE NO. CSM012 REV 120-133 13 FILES

```
120001 13N- 130 293041307 0451801824 042621 CSM012 FILE 1 S.H. MAP PT 1
120002 27N- 115 293042812 0451805056 045528 CSM012 FILE 1 S.H. MAP PT 2
120001FH08- 18 293052514 0451817280 052848 CSM012 FILE 1 CRATER EDDIE COLOR
120040 20S- 14 293052852 0451810059 054820 CSM012 FILE 1 SYS MAP

122001 20N- 100 295055424 0452440672 061439 CSM012 FILE 2 S. POLAR
122001F 32- 28 295062555 0452447424 064613 CSM012 FILE 2 ELYSIUM LOW PHASE
122041FH08- 1 295065314 0452453280 065619 CSM012 FILE 2 CHANNEL COLOR
122040 20S+ 1 295065618 0452453952 071536 CSM012 FILE 2 SYS MAP

123040 11N- 115 296061444 0452753600 062557 CSM012 FILE 3 WEST HALF OF HELLAS
123001 2N- 100 296062949 0452756832 065759 CSM012 FILE 3 E. HELLAS
123001F 27- 28 296070115 0452763568 072151 CSM012 FILE 3 ELYSIUM LOW PHASE
123041 20S- 8 296072156 0452767984 074156 CSM012 FILE 3 SYS MAP

124001 60S- 203 297060204 0453059456 070148 CSM012 FILE 4 60 L DIFFUSER
124001F 78- 100 297070505 0453072960 072237 CSM012 FILE 4 HELLAS 3 COLOR SURV
124040 10S- 40 297072434 0453077136 073440 CSM012 FILE 4 PHOBOS AT 4600KM
124083F 04- 28 297073644 0453079744 073656 CSM012 FILE 4 STICKNEY
124041 09S+ 1 297080636 0453086144 081535 CSM012 FILE 4 SYSTEMAPPING
124042 10S+ 300 297110535 0453124496 111550 CSM012 FILE 4 DEIMOS AT 5900KM
124082F 04+ 312 297111754 0453127136 113541 CSM012 FILE 4 5900 KM

125001 13N- 130 298071029 0453382688 072343 CSM012 FILE 5 S.H. MAP PT1
125002 27N- 115 298072525 0453385888 075241 CSM012 FILE 5 S.H. MAPPING PT2
125040 07S- 45 298075526 0453392320 080205 CSM012 FILE 5 MOD RES MAP
125041 10S- 11 298082844 0453399456 083854 CSM012 FILE 5 VL-2, MIE CRATER
125042 10S+ 4 298084442 0453402880 085435 CSM012 FILE 5 SYSTEMAPPING

126001F 6N- 101 299081401 0453704864 082845 CSM012 FILE 6 HELLAS-CAP COLOR SU
126040 21N- 46 299082849 0453708048 084957 CSM012 FILE 6 MOD RES MAP
126041 10S+ 6 299092146 0453719392 093152 CSM012 FILE 6 SYSTEMATIC MAPPING
126042 18S+ 105 299102130 0453732192 103926 CSM012 FILE 6 PHOBOS ECLIPSE -- 5

127040 10N- 600 300035016 0453956928 040013 CSM012 FILE 7 GLOBAL MAPPING -- 1
127041 10N- 500 300045018 0453969792 050015 CSM012 FILE 7 GLOBAL MAPPING -- 2
127042 14N- 400 300055011 0453982624 060443 CSM012 FILE 7 GLOBAL MAPPING -- 3
127043 16N- 300 300065013 0453995488 070639 CSM012 FILE 7 GLOBAL MAPPING -- 4
127044 22N- 200 300075015 0454008352 081235 CSM012 FILE 7 GLOBAL MAPPING -- 5
127001 20N- 110 300084016 0454019072 090031 CSM012 FILE 7 SOUTH POLAR
127002 45S- 44 300090535 0454024496 095020 CSM012 FILE 7 PHASE 18/240
127045 10S+ 6 300095635 0454035424 100641 CSM012 FILE 7 SYSTEMATIC MAPPING

128001 45S- 144 301064018 0454327648 092516 CSM012 FILE 8 SYRTIS/ISIDIS DAWN
128040 15S- 19 301100516 0454345856 102017 CSM012 FILE 8 SUBSOLAR STRIP MAP
128041 07S+ 6 301103115 0454351424 103848 CSM012 FILE 8 IRTM HI LAT COMP MA
128042 11S+ 21 301104615 0454354640 105715 CSM012 FILE 8 IRTM - EVENING MAPP

129040 11N- 220 302083925 0454636032 085020 CSM012 FILE 9 S P COV
129041 15N- 130 302092927 0454646752 094446 CSM012 FILE 9 HELLAS PREDAWN MON
129001 20N- 110 302094927 0454651040 100942 CSM012 FILE 9 SOUTH POLAR MAPPING
129001F 24- 22 302102609 0454658896 103942 CSM012 FILE 9 VIOLET FILTER CALIB
129042 15S- 19 302103947 0454661824 110644 CSM012 FILE 9 SUB-SOLAR STRIP MAP
129043 10S+ 7 302110649 0454667616 111641 CSM012 FILE 9 IRTM HI LAT COMP MA
129031F 18+ 17 302111724 0454669888 111842 CSM012 FILE 9 SYS MAP
```

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

```
130[40 11[-   41 003105230 0454973120 111029 CSM012 FILE10 MOD RES MAP
130011F 04-   22 003111136 0454977216 111148 CSM012 FILE10 PHOBOS
130041 159-   21 003111244 0454977456 112953 CSM012 FILE10 SUBSOLAR STRIP MAPP
130042 108+    5 003113946 0454983248 115206 CSM012 FILE10 HIGH LAT COMP MAP
130021F 18+   20 003115410 0454986336 115527 CSM012 FILE10 SYS MAP

131040 16[-  150 004103753 0455278560 105353 CSM012 FILE11 HELLAS PREDAWN MONI
131041 168-   32 004113034 0455250858 114813 CSM012 FILE11 MOD RES MAP
131042 158-   15 004114018 0455253648 120649 CSM012 FILE11 SUBSOLAR STRIP MAPP
1311101F 16-   1 004120653 0455257632 120516 CSM012 FILE11 IMAGE MCT COMP TEST
131043 108+    6 004121417 0455259216 122816 CSM012 FILE11 HIGH LAT COMP MAP
131044 11[+   21 004122917 0455302432 124017 CSM012 FILE11 EVENING MAPPING 1

132001 14[-  150 005111157 0455554432 112511 CSM012 FILE12 SHDM PT 1
132002 28[-  115 005112653 0455557632 115409 CSM012 FILE12 S.H.D.M. PT. 2
132040 10[-   33 005120900 0455606656 121501 CSM012 FILE12 MOD RES MAP
132041 155-   19 005122217 0455609504 123749 CSM012 FILE12 SUBSOLAR STRIP MAPP
132042 108+    5 005125116 0455615712 130147 CSM012 FILE12 HIGH LAT COMP MAP
132043 11[+   21 005130317 0455618288 131417 CSM012 FILE12 EVENING MAPPING 1

133001 28[-  501 006061546 0455865248 084320 CSM012 FILE13 S.H. DILRNAL, 225K
133002 25[-  401 006091548 0455878112 094401 CSM012 FILE13 S.H. DILRNAL, 225K
133003 25[-  219 006101550 0455890976 104453 CSM012 FILE13 S.H. DILRNAL, 225K
133040 10[-  220 006105542 0455899520 110557 CSM012 FILE13 SOUTH POLAR COVERAG
133004 22[-  206 006110748 0455902112 112905 CSM012 FILE13 S.H. DILRNAL, 225K
133001F 04-  144 006115105 0455907104 113149 CSM012 FILE13 E. HELLAS CHANNEL
133011F 04-  114 006120106 0455913536 120136 CSM012 FILE13 E. HELLAS CHANNEL
133021F 04-   45 006122611 0455918912 122644 CSM012 FILE13 E. HELLAS CHANNEL
133041 10[-   44 006126107 0455919968 124109 CSM012 FILE13 PHOBOS AT 5900 KM
133042 048-   27 006124831 0455923696 131214 CSM012 FILE13 SUBSOLAR STRIP MAPP
133043 13[+    [ 006132359 0455931296 133606 CSM012 FILE13 HIGH LAT COMP MAP
```

D-30520

TAPE NO. CSM013 REV 134-137 4 FILES

134001F	24-	43	307130610	0456236048	133039	CSM013	FILE	1	CLEAR FILTER CALIBR
134001	25B-	6	307134133	0456243648	140640	CSM013	FILE	1	18H N. POLAR
135040	10B-	559	308082307	0456483968	083304	CSM013	FILE	2	GLOBAL PRELAWN 1
135001	28B-	529	308085308	0456490400	092132	CSM013	FILE	2	S.H. DIURNAL 210W
135041	12B-	459	308092309	0456496832	093530	CSM013	FILE	2	GLOBAL PRELAWN 2
135002	28B-	429	308095310	0456503264	102134	CSM013	FILE	2	S.H. DIURNAL 210W
135042	13B-	359	308102311	0456509696	103643	CSM013	FILE	2	GLOBAL PRELAWN 3
135003	27B-	330	308105303	0456516096	112019	CSM013	FILE	2	S.H. DIURNAL 210W
135043	18B-	300	308112304	0456522528	114123	CSM013	FILE	2	GLOBAL PRELAWN 4
135004	20B-	229	308115305	0456528960	121311	CSM013	FILE	2	S.H. DIURNAL 210W
135044	25B-	207	308121511	0456533696	124035	CSM013	FILE	2	GLOBAL PRELAWN 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	PRELAWN -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	0457192680	154013	CSM013	FILE	4	SYSTEMATIC MAPPING
137044	07S+	12	310154221	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 = IRTM 80-99 = MAWD & IRTM		
	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	GET (START OF OBSERVATION) DAY,HOUR,MINUTE,SECOND		
27,36	FDS COUNT (START OF OBSERVATION)		
38,43	GET (END OF OBSERVATION)		
45,57	TAPE AND FILE # WERE DATA IS LOCATED		
60,80	COMMENTS		

D-30522

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

```
213940 02S-9999 <13110003 074155160C 110205 FSM001 FILE 1  POST TLRA-ON
213901 15P-9999 <13125945 0741577248 131652 FSM001 FILE 1  ALIGN VER

214955 S06-9999 <14020357 074174528C 020557 ESM001 FILE 2  APPROACH AT 112/74
214956 S07-9999 <14022801 0741750448 023458 ESM001 FILE 2  APPROACH AT 112/74

215901 16P-9999 215135940 0742207232 141647 FSM001 FILE 3  ALIGN VER

217901 15P-6642 <17175942 074287580C 181649 ESM001 FILE 4  ALIGN VER
218901 19P-3857 <18210436 074322400C 212330 FSM001 FILE 5  ID  MOI-3857
218902 19P-3654 <18230739 074325036F 232653 FSM001 FILE 5  IC  MOI -3654

219951 S34-2412 <19130943 0743430811 133435 ESM001 FILE 6  APPROACH AT 115/70
219953F 08-2322 <19135900 0743441376 135533 ESM001 FILE 6
219942 19P-1951 <19172934 0743486496 174505 ESM001 FILE 6  ATMOS BOX #3 -1832
219907 14S-1820 <19182534 0743498496 185753 ESM001 FILE 6  MAWD T-OFF  -1532

004110 S62-00AC <24144422 0744953536 154555 ESM001 FILE 7  FIRST PT OFF PL
004180 09P-002C <25011032 0745126096 012010 ESM001 FILE 7  IRTM/MAWD INILI
004101F 24-001C 225012144 0745130528 012328 ESM001 FILE 7  B2 PHOTOCAL #1
004125F 24-0007 <25012425 0745131104 012609 ESM001 FILE 7  B2 PHOTOCAL #2
004145F 24-0004 <25012707 0745131680 012850 ESM001 FILE 7  B2 PHOTOCAL #3
004173F 24-0002 <25012946 0745132256 013132 ESM001 FILE 7  B2 PHOTOCAL #4

005140 15P-011E <26032747 0745466112 034306 FSM001 FILE 8  PREDAWN VO1-2 CORR
005141 14E-0102 <26034346 0745469536 035650 ESM001 FILE 8  POSTDAWN VO1-2 COR
005142 05S+0005 <26045612 0745485056 050425 FSM001 FILE 8  B COV #1
005342 05S+0014 <26050532 0745487056 051041 ESM001 FILE 8  B2 STTE NOON
005101 16S+0045 226053631 0745493696 055248 FSM001 FILE 8  10/83 LSCAN

007110 S37-033E <28080014 0746141632 083660 ESM001 FILE 9  OFF PLANET
007101 05S-0022 <28111323 0746183024 111823 FSM001 FILE 9  B3
007140 03P-0015 <28112001 0746184448 112453 FSM001 FILE 9  B3 CONST LAT
007102 09P+0018 <28115301 0746191520 120222 FSM001 FILE 9  100W LAT CAL
007101F 30+0025 <28120319 0746193728 120529 FSM001 FILE 9  B2 W1
007133F 30+002E <28120618 0746194368 120829 ESM001 FILE 9  B2 W2
007165F 29+0031 <28120927 0746195040 121137 FSM001 FILE 9  B2 W3
007180 05P+0035 <28121405 0746196032 121950 FSM001 FILE 9  B2 CONST LAT

007380 04P  4E <28122200 0746197728 122727 ESM001 FILE10  B2 CONST LAT

008140 05P-0022 <29143755 0746535424 144716 FSM001 FILE11  285W CONST LAT
008101 04P+0012 <29151131 0746542624 151641 ESM001 FILE11  4P B2 PT 1
008301 04P+0017 <29151702 0746543808 152212 ESM001 FILE11  4P B3 PT 2
008102 08P+0022 <29152252 0746545056 153101 ESM001 FILE11  8P LAT CAL 220 DEG
008101F 10+0030 <29153158 0746547008 153239 ESM001 FILE11  B2 WW1
008111F 10+0032 <29153403 0746547456 153444 FSM001 FILE11  B2 WW2
008121F 10+0034 <29153542 0746547808 153623 ESM001 FILE11  B2 WW3
008103 05P+0037 <29153748 0746548256 154633 ESM001 FILE11  B2 W CON LAT 225-1
008303 02E+0046 <29154757 0746550432 155343 FSM001 FILE11  B2 W CONST LAT PT
```

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

```
009101 09S-0025 ∠30180026 0746887392 180515 ESM001 FILE12  8S  B1  6^30
009140 06B-0015 ∠30181017 0746889504 181808 ESM001 FILE12  B1 CONT LAT
009101F 20+002E ∠30185326 0746898752 185452 ESM001 FILE12  B1 CONST LAT
009121F 20+0031 ∠30185625 0746899392 185751 ESM001 FILE12  B2  1
009141F 20+0034 ∠30185933 0746900064 190059 ESM001 FILE12  B3
009102 06B+0037 ∠30190206 0746900608 190846 ESM001 FILE12  5S LAT CAL 255 W
009141 07B+0044 ∠30190507 0746902112 191641 ESM001 FILE12  B3 CONT LAT 270-19

010110 S7S-0105 ∠31200526 0747222736 211459 ESM001 FILE13  DARK SIDE +OFF PL
010101F 06-0032 ∠31211836 0747238432 211900 ESM001 FILE13  VL1 MET EXP
010180 07S-003C ∠31212038 0747238864 212744 ESM001 FILE13  MET COCRC DAWN OES
010140 05B-0022 ∠31212819 0747240512 213405 ESM001 FILE13  B1 WEST CONST LAT
010101 05S-0015 ∠31213534 0747242064 214030 ESM001 FILE13  B1 9^30 45/5
010110F 90+0027 ∠31221908 0747251280 222648 ESM001 FILE13  B3W 1+2+3
010102 05S+0038 ∠31222835 0747253424 223135 ESM001 FILE13  LAT CAL 300 DEG W
010103 07B+0045 ∠31223510 0747254848 223921 ESM001 FILE13  B3 CON LAT 315-240
010303 04B+005C ∠31224018 0747255936 224425 ESM001 FILE13  B3 CON LAT 315-240
010503 04B+0057 ∠31224719 0747257440 225126 ESM001 FILE13  B3 CON LAT 315-240

011140 05B-0015 ∠33005519 0747593440 010105 ESM001 FILE14  60 W LAT CAL
011110 S0B-0016 ∠33013041 0747601008 013829 ESM001 FILE14  LAT 45 LON 0
011101 10S+0015 ∠33013832 0747602704 014004 ESM001 FILE14  10 S B1 NOON
011101F 30+003C ∠33014435 0747604000 014520 ESM001 FILE14  B3WEST 1+2+3
011102 05S+0036 ∠33015137 0747605504 015433 ESM001 FILE14  5S LAT CAL 345
011141 05S+0043 ∠33015820 0747606944 020228 ESM001 FILE14  44 N CON LAT360-28
011341 04B+004F ∠33020316 0747608000 020723 ESM001 FILE14  44N CONST LAT PT2
011541 04B+0055 ∠33021017 0747609504 021424 ESM001 FILE14  44N CONST LAT PT3

012140 26B-0113 ∠34033035 0747935280 035514 ESM001 FILE15  PREDAWN BOX 135 LO
012101 05B-0022 ∠34041824 0747945520 042327 ESM001 FILE15  B2DIUR 45/125
012141 07B-0015 ∠34042500 0747946944 042552 ESM001 FILE15  B2 MORN
012142 03B+0005 ∠34044501 0747951232 044859 ESM001 FILE15  VL-1 AT 12^30
012102 05B+0022 ∠34050305 0747955104 050800 ESM001 FILE15  5B LAT CAL 5 DEG
012143 28B+003C ∠34051006 0747956608 053002 ESM001 FILE15  B1 PM PART 1+2+3

013140 11B-020C ∠35060505 0748276960 061654 ESM001 FILE16  SO POLAR BOX
013141 21B-0113 ∠35065207 0748287040 072017 ESM001 FILE16  PREDAWN BOX
013101 05B-0022 ∠35074325 0748298032 074826 ESM001 FILE16  B2 DIURNAL 45/125
013142 07B-0015 ∠35075004 0748299456 075456 ESM001 FILE16  B2 MIDMORN
013102 05S+0022 ∠35082508 0748307616 083301 ESM001 FILE16  LAT CAL 45 W
013143 27B+003C ∠35083510 0748309120 085953 ESM001 FILE16  B1 PM PART 1+2+3

014140 26B-0113 ∠36101737 0748639648 104400 ESM001 FILE17  PREDAWN BOX
014101 05S-0022 ∠36110855 0748650640 111401 ESM001 FILE17  45/165
014141 07B-0015 ∠36111534 0748652064 112026 ESM001 FILE17  B2/B3 MORN
014102 05S+0015 ∠36114553 0748658256 115054 ESM001 FILE17  B2 NOON
014103 05B+0022 ∠36115330 0748660192 115907 ESM001 FILE17  LAT CAL 95 W
014142 12B+003C ∠36120031 0748661696 121448 ESM001 FILE17  B2 NOON PART 1 + 2
014120 S05+0045 ∠36121643 0748665168 122215 ESM001 FILE17  B2 AT 0 TO 110 LON
```

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

```
015140 11P-020C c37125538 0748982080 130700 ESM001 FILF18  SOUTH POLAR BOX
015141 26P-011? c37134241 0748992160 140903 ESM001 FILF18  PREDAWN BOX
015101 05S-002? c37143359 0749003152 143509 FSM001 FILF18  45/215
015142 05P-001? c37144037 0749004576 144530 ESM001 FILF18  B3 MORN
015102 05S+001? c37151101 0749011088 151602 FSM001 FILF18  45/165
015103 05P+002? c37151842 0749012736 152419 ESM001 FILF18  LAT CAL 140 W
015143 17P+003C c37152543 0749014240 154420 ESM001 FILF18  B2 LAT AFT NC PT12
015144 10P+005C c37154544 0749018528 155639 FSM001 FILF18  ARSIA MONS #1
015145 10P+015C c37164537 0749031360 165601 ESM001 FILF18  ARSIA MONS #2

020140 05P-001? c42192812 0750609056 193344 ESM001 FILF19  L/S VERT IR
020101F 7P-000? c42193422 0750610367 194153 LSM001 FILF19  B SITE STEREO COMB
020101 21P+000? c42094259 0750612223 200452 FSM001 FILF19  B1 LOCAL VARIABLE

022180 02P+000? c44205827 0751245536 210051 FSM001 FILF20  B3 OBLIQUE
022101F 21+000F c44210059 0751246040 210425 ESM001 FILF20  B3 OBLIQUE 3 COLOR
022101 14P+000C c44210657 0751247360 212628 ESM001 FILF20  POLAR OBS #1+2
022131F 07+0021 c44211706 0751249536 211734 ESM001 FILF20  HIGH LAT PENTAD

023180 02P+000S c45213507 0751561947 214203 ESM001 FILF21  B3 STEOBLIQUE GRB

034120 S22      c57043638 0755046592 044547 FSM001 FILF22  335/231 TO 40/160
034101FF24      c57044848 0755049184 045304 FSM001 FILF22  SYS MAP + HEADER
034131F 24      c57045455 0755050496 045642 ESM001 FILF22  SYS MAPPING
034101 28P      c57045813 0755051200 052547 ESM001 FILF22  30E OLYMPUS MONS

035120 S11+000C c58051342 0755636088 052439 ESM001 FILF23  FROM 36/234TO44/16
035101FF24+002C c58052440 0755636440 052856 FSM001 FILF23  SYS MAP + HEADER
035131F 24+0026 c58053038 0755636720 053222 FSM001 FILF23  SYS MAPPING

038102 03S+001S c61071305 0756314384 071521 FSM001 FILF24  5B ARCADIA
038111F 24+0021 c61071922 0756315728 072323 ESM001 FILF24  39N MAPPING
038141F 24+002S c61072354 0756316704 073319 FSM001 FILF24  B MAPPING
038140 11P+003S c61073323 0756318736 074516 FSM001 FILF24  OLYMPUS THARSIS MA
038141 10P+005C c61074815 0756321920 075820 FSM001 FILF24  OLYMPUS THARIS MAP

039111F 24+001S c62075527 0756632032 080112 ESM001 FILF25  39 NMAPPING +EX
039141F 22+002S c62080111 0756633264 081357 ESM001 FILF25  25 N MAPPUNG +EX
039141 08P+003F c62081402 0756636016 082317 FSM001 FILF25  OLYMPUS THARSIS MA
039142 09S+004S c62082500 0756638368 083439 ESM001 FILF25  9S IRTM  PHOBOS
039179F 06+0102 c62083746 0756641136 083952 ESM001 FILF25  PHOBOS MOSAIC
039171F 08+0105 c62084139 0756641920 084327 ESM001 FILF25  PHOBOS
```

TAPE NO. ESM002 REV 40-57 15 FILES

040120 S20+0003 <63081653 0756945200 083622 FSM002 FILE 1 FP 31/251 TO 38/14
040111F 24+0022 <63083631 0756949408 083815 FSM002 FILE 1 38 DEG N MAPPING
040141 10P+0024 <63083814 0756949776 085159 FSM002 FILE 1 OLYMPUS THARSIS MA
040141F 20+003F <63085208 0756952752 085423 FSM002 FILE 1 21 N MAP
040142 12P+004C <63085427 0756953264 090851 FSM002 FILE 1 OLYMPUS THARSIS MA

041102 08P+001E <64090830 0757264832 091604 FSM002 FILE 2 E ARCADIA
041141 13P+0027 <64091933 0757267200 093216 FSM002 FILE 2 OLY THARSIS MAP
041111F 20+0047 <64093924 0757271456 094050 FSM002 FILE 2 16N MAP
041131F 14+005C <64094232 0757272128 094332 FSM002 FILE 2 12N MAP
041142 15P+005E <64094532 0757272768 100034 FSM002 FILE 2 OLY THARSIS MAP
041151F 06+0111 <64100327 0757276608 100350 FSM002 FILE 2 MEMNONIA COLOR GRB

042142 14P+0029 <65095936 0757584352 101308 FSM002 FILE 3 OLY THARSIS MAP PT
042111F 10+0045 <65101507 0757587680 101548 FSM002 FILE 3 ARSIA M COL STER 1
042121F 10+004F <65101757 0757588288 101839 FSM002 FILE 3 ARSIA M COL STER 1
042131F 16+0105 <65103459 0757591936 103607 FSM002 FILE 3 ARSIA M COL STER 2
042342 06P+010F <65103807 0757592608 104621 FSM002 FILE 3 OLY THARSIS MAP PT

043101 18S-0004 <66100259 0757893648 102001 FSM002 FILE 4 15S ELYSIUM/SCALE
043101F 30+0071 <66103902 0757901376 104113 FSM002 FILE 4 MAP 28 N
043102 27P+0035 <66104304 0757902240 111039 FSM002 FILE 4 30P OLY MONS
043131F 16+0105 <66111256 0757906640 111404 FSM002 FILE 4 MAP 28
043143 08P+010F <66111556 0757909280 112311 FSM002 FILE 4 AMAZONIS ARCADIA M
043144 21P+0255 <66130738 0757933216 132611 FSM002 FILE 4 NORM MODE BOUND DE

044111F 20+0056 <67114204 0758223456 114351 FSM002 FILE 5 MAP 8DEG N
044131F 20+0102 <67114803 0758224736 114929 FSM002 FILE 5 MAP 8 DEG N
044142 07P+0105 <67115147 0758225536 115809 FSM002 FILE 5 AMAZONIS ARCADIA M

045101F 24+002E <68115215 0758534208 115359 FSM002 FILE 6 MAP 30 N
045131F 17+0036 <68120019 0758535936 120152 FSM002 FILE 6 MAP STEREO 1
045141 12P+0039 <68120354 0758536704 121550 FSM002 FILE 6 AMAZONIS ARCADIA M
045151F 18+005F <68121917 0758540000 122034 FSM002 FILE 6 OLY MONS MAP STER
045142 13P+005F <68122355 0758540992 123615 FSM002 FILE 6 MEMNONIA

046101F 18+0033 <69123526 0758852032 123643 FSM002 FILE 7 OLY MONS MAP STER
046121F 20+0051 <69125330 0758855904 125456 FSM002 FILE 7 OLY MONS MAP STER
046142 08P+0054 <69125714 0758856704 130506 FSM002 FILE 7 AMAMONIS ARCADIA M
046102 16S+0115 <69131728 0758861040 133355 FSM002 FILE 7 16L -20/155

047140 11S-0035 <70120446 0759154032 123041 FSM002 FILE 8 PHOBOS AT 2100/STA
047101 24S-0009 <70123112 0759159696 125417 FSM002 FILE 8 15S SCALE HEIGHT
047111F 19+003C <70131051 0759168192 131212 FSM002 FILE 8 OLY MONS MAP STER
047142 11P+0033 <70131426 0759168960 132539 FSM002 FILE 8 AMAZONIS ARCADIA M
047131F 21+0047 <70132743 0759171808 132914 FSM002 FILE 8 OLY MONS MAP STER
047143 11P+0109 <70135025 0759176672 140107 FSM002 FILE 8 AMAZONIS ARCADIA M
047102 16S+0122 <70140316 0759179424 141943 FSM002 FILE 8 16L -30/155

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

```
048101 13S-0002 <71131606 0759477088 132911 FSM002 FILE 9  15S SCALE HEIGHT
048101F 22+0027 <71134606 07594P432C 134742 FSM002 FILE 9  OLY MONS MAP STER
048141 11P+007C <71134942 0759485088 140010 FSM002 FILE 9  AMAZONIS ARCADIA M
048131F 23+0044 <71140308 0759487968 140447 ESM002 FILE 9  OLY MONS MAP STER
048142 12P+0047 <71140643 0759488736 141805 ESM002 FILE 9  AMAZONIS ARCADIA M
048143 09S+0102 <71142148 0759491968 143034 FSM002 FILE 9  PHOBOS AT 2200

049101FH12+0022 <72142002 075980016C 142708 FSM002 FILE10  MAP 47 N
049131FH49+004F <72144356 0759805280 145924 FSM002 FILE10  HEADER
049141 16P+0105 <72150227 0759809248 151831 FSM002 FILE10  VAR FEAT STUDY 2

050101FH11+0027 <73150255 0760117920 150613 ESM002 FILE11  HEADER
050140 13P+0032 <73150902 0760119232 152225 ESM002 FILE11  VAR FEAT STUDY 1
050141 16P+0111 <73154707 0760127392 160311 FSM002 FILE11  VAR FEAT STUDY 2

052140 01S-0003 <751P1715 0760776704 181818 FSM002 FILE12  INITIALIZATION
052101F 22+000C <75182030 0760777430 182814 ESM002 FILE12  N P 80-90 NORTH
052181 11P+00CE <75182853 0760779200 183522 ESM002 FILE12  15B POLAR MAP
052161F 20+0019 <75184014 0760781632 184140 ESM002 FILE12  MAP 140 W
052182 16P+0022 <75184256 0760782208 185815 ESM002 FILE12  15P 70-55N
052141 12P+0042 <75190256 076078649E 191423 FSM002 FILE12  EVENING TRANS
052184 15P+005E <75191650 0760789472 193200 FSM002 FILE12  16P 55-20
052142 36P+0117 <75193753 0760793984 201351 FSM002 FILE12  IRTM GLOB EVEN CCV

053181 16P-0005 <76210244 0761120736 211821 ESM002 FILE13  IRTM NP REGION
053182 16P+0014 <76212244 0761125024 213E04 ESM002 FILE13  15B 70-55
053121F 10+0032 <76214003 0761128736 214044 FSM002 FILE13  ELYSIUM MONS
053141 12P+0034 <76214245 0761129312 215411 FSM002 FILE13  IRTM EVENING TRANS
053184 15P+004E <76215638 07611322B8 221149 FSM002 FILE13  16B  55-20
053131F 30+010E <76221602 076113644F 221813 ESM002 FILE13  R/V SURVEY
053142 36P+0112 <76222041 0761137440 225619 ESM002 FILE13  IRTM GLOB EVEN CCV

054142 19P-0223 <77215255 0761435776 215136 FSM002 FILE14  IRTM SP REGION
054181 20P-001F <77233754 076146256C 235800 ESM002 FILE14  25B POLAR W
054182 12P+00CE <78000456 0761468352 001631 FSM002 FILE14  13B 70-55N
054140 12P+002E <78002251 0761472192 003418 ESM002 FILE14  EVENING TRANS
054184 16P+004C <78003653 0761475200 005204 ESM002 FILE14  16B 55-20
054141 36P+0101 <78005757 0761479712 013355 FSM002 FILE14  GLOB EVEN COV
054195F 04+0437 <78043814 076152585E 043329 ESM002 FILE14  VO-2 IMAGE MOT COM
056107F 06- 243 <80024820 0762120512 024844 ESM002 FILE14  VEGA
056115F 2P- 241 <80025059 07621210BE 025929 ESM002 FILE14  S POLAR
056101 19B- 23C <80030205 0762123456 032153 ESM002 FILE14  25P S POLAR
056140 18P- 20C <80033206 0762129BBF 035016 FSM002 FILE14  S POLAR
056141 08S    1 <80053223 0762155664 054028 FSM002 FILE14  IRTM INITIALIZATIO
056151F 44   11 <80054322 0762158016 054724 FSM002 FILE14  N P CAP 80-90
056181 04P+0015 <80054805 0762159040 055232 FSM002 FILE14  N P (LOCK)
056110 16P+002C <80055236 0762159996 060538 FSM002 FILE14  NP + 70-55 DEG N
056182 12P+0032 <80060542 0762162751 061721 ESM002 FILE14  70-55 DEG N (LOCK)
056142 11P   45 <80062203 0762166304 063329 FSM002 FILE14  EVEN TRANSITION
056184 15P  102 <80063605 0762169312 065115 ESM002 FILE14  16P 55-20 DEG N
056143 30P  124 <80065659 0762173792 072657 FSM002 FILE14  GLOBAL EVENING

057140 09S+000C <81081958 0762500144 082503 ESM002 FILE15  IRTM INITIALIZATIO
057101F 19+0011 <81083056 0762502496 083218 ESM002 FILE15  N P CAP 80-90
057121F 25+0012 <81083210 0762502976 083459 FSM002 FILE15  N P CAP 75-86
057181 10P+0019 <81083503 0762503376 084549 ESM002 FILE15  10P N P
057151F 1E+002E <81084646 0762505088 084757 FSM002 FILE15  MAPPING
057182 15P+0029 <81084900 0762506352 090536 ESM002 FILE15  15P 70-55 DEG NORT
057141 12P+0045 <81090937 07625107B4 092104 ESM002 FILE15  EVEN TRANSITION
057184 15P+0102 <81092339 0762513792 093850 FSM002 FILE15  16B 55-20 DEG NORT
057142 30P+0124 <81094434 0762518272 101451 FSM002 FILE15  GLOBAL EVENING
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D-30524

TAPE NO. ESM003 REV 58-67 10 FILES

```
058140 08S+0000 282110719 0762844576 111811 FSM003 FILE 1  INITIALIZATION
058101F 17+0011 282111812 0762846912 111925 ESM003 FILE 1  N POLAR CAP 80-90
058121F 25+0013 282112027 0762847392 112334 FSM003 FILE 1  N POLAR CAP 75-86
056101 11B+0016 282112336 0762846064 113457 ESM003 FILE 1  10B N POLE
058151F 16+0027 282113438 0762850432 113710 FSM003 FILE 1  MAPPING
056182 15B+003C 282113711 0762850976 115230 FSM003 FILE 1  15B 70-55 N
056141 12B+0045 282115654 0762855200 120820 FSM003 FILE 1  EVENING TRANSITION
058184 16B+0102 282121056 0762858208 122606 ESM003 FILE 1  16B 55-20N
058143 30B+0124 282123159 0762862720 130150 ESM003 FILE 1  GLOBAL EVENING

059101F 1B-0234 283112001 0763155872 112118 FSM003 FILE 2  S POLAR R/V
059101 24B-023C 283112440 0763156864 114857 ESM003 FILE 2  28B S POLAR
059140 18B-02DC 283115440 0763163296 121250 FSM003 FILE 2  S POLAR REGION
059141 08S    C 283135502 0763189088 140307 ESM003 FILE 2  INITIALIZATION
059131F 14+0009 283140400 0763191008 140809 ESM003 FILE 2  N POLAR CAP 80-90
059161F 25+0013 283140810 0763191904 141042 FSM003 FILE 2  N POLAR CAP 75-86
059102 0 B+0015 283141043 0763192448 141457 FSM003 FILE 2  N POLE (LOCK)
059121 0 B+002C 283141502 0763193376 142806 ESM003 FILE 2  N POLE (70-55)
059182 0 B+0032 283143254 0763196188 144005 FSM003 FILE 2  N POLE (LOCK)
059142 12B+0045 283144437 0763199712 145603 ESM003 FILE 2  EVENING TRANSITION
059184 15B+0102 283145839 0763202720 151350 FSM003 FILE 2  16B 55-20 N
059143 30B+0124 283151943 0763207232 154913 ESM003 FILE 2  GLOBAL EVENING

060140 08S+0000 284164326 0763533744 165420 ESM003 FILE 3  INITIALIZATION
060101F 15+0011 284165424 0763536096 165528 ESM003 FILE 3  N POLAR CAP 80-90
060121F 25+0012 284165550 0763536400 165827 FSM003 FILE 3  N. POLAR CAP 75-86
060181 11B+0015 284165907 0763537104 171242 ESM003 FILE 3  10B NORTH POLE
060182 15B+0029 284171305 0763540096 172824 ESM003 FILE 3  15B 55-70 NORTH
060141 11B+0046 284173006 0763543744 174132 ESM003 FILE 3  EVENING TRANSITION
060184 13B+0100 284174323 0763546592 175655 ESM003 FILE 3  16B 20-55 NORTH
060143 30B+0130 284181409 0763553184 184407 ESM003 FILE 3  GLOBAL EVENING

061140 08S+0000 285193145 0763878384 193550 FSM003 FILE 4  INITIALIZATION
061101F 40+000B 285193958 0763880144 194029 ESM003 FILE 4  N. POLAR CAP 80-90
061181 10B+0016 285194833 0763881984 195839 ESM003 FILE 4  10B NORTH POLE
061151F 15+0027 285195838 0763884144 200231 ESM003 FILE 4  TEMPE FOSSAE
061182 15B+003C 285200235 0763884992 201755 ESM003 FILE 4  15B 55-70 NORTH
061141 11B+0045 285202124 0763889024 203251 FSM003 FILE 4  EVENING TRANSITION
061184 15B+0103 285203527 0763892032 205037 FSM003 FILE 4  16B 20-55 NORTH
061142 30B+0124 285205630 0763896544 212627 FSM003 FILE 4  GLOBAL EVENING

062101F 06-0244 286193432 0764187552 193455 ESM003 FILE 5  SOUTH POLAR SURVEY
062107F 06-0242 286193704 0764188096 193727 FSM003 FILE 5  SOUTH POLAR SURVEY
062113F 06-0235 286193936 0764188640 194000 ESM003 FILE 5  SOUTH POLAR SURVEY
062119F 03-0237 286194200 0764189152 194210 FSM003 FILE 5  SOUTH POLAR SURVEY
062101 24B-023C 286194910 0764190688 201327 FSM003 FILE 5  24B SOUTH POLAR
062140 14B-020C 286201911 0764197120 203328 ESM003 FILE 5  SOUTH POLAR REGION
062141 08S+0000 286221933 0764222912 222738 FSM003 FILE 5  INITIALIZATION
062122F 13+0011 286223036 0764225280 223150 FSM003 FILE 5  N P CAP 80-90
062141F 25+0013 286223250 0764225760 223409 FSM003 FILE 5  N P CAP 75-86
062181 10B   1E 286223523 0764226304 224529 ESM003 FILE 5  10E NORTH POLE
062166F 13+0027 286224634 0764228704 224729 ESM003 FILE 5  MARGOTIS FOSSAE
062142 12B+0043 286230242 0764233216 231409 FSM003 FILE 5  IRTM - EVENING TRA
062184 14B+005E 286231609 0764235040 233017 FSM003 FILE 5  16B 20-55 DEGREE N
062144 30B+0124 286234413 0764241056 001411 FSM003 FILE 5  IRTM - GLOBAL EVEN
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063140 08S+000C 288010654 0764567344 011459 ESM003 FILE 6  INITIALIZATION
063121F 16+0013 288012015 0764570208 012124 ESM003 FILE 6  N P CAP 75-86
063181 10P+001E 288012248 0764570752 012254 ESM003 FILE 6  10P NORTH POLE

064140 08S+000C 289035428 0764911824 040233 ESM003 FILE 7  INITIALIZATION
064101F 33+000F 289040232 0764913552 041018 ESM003 FILE 7  N P CAP 80-90
064181 10P+001E 289041023 0764915232 042051 ESM003 FILE 7  10E N. POLE
064182 15P+0025 289042407 0764918176 043526 ESM003 FILE 7  10E NORTH POLE
064141 11P+0045 289044408 0764922464 045554 ESM003 FILE 7  EVENING TRANSITION
064184 15P+0103 289045810 0764925472 051320 ESM003 FILE 7  16P 20-55 NORTH
064142 30P+0124 289051904 0764929552 054502 ESM003 FILE 7  GLOBAL EVENING

065101 24P-023C 290041203 0765224160 043620 ESM003 FILE 8  24P S. POLAR
065140 18P-02AC 290044204 0765230592 050058 ESM003 FILE 8  IRTM SP REGION
065141 08S+000C 290064221 0765256368 065026 ESM003 FILE 8  INITIALIZATION
065131F 3A+0013 290065319 0765258720 065729 ESM003 FILE 8  NPC 80-90
065181 10P+001E 290065806 0765259744 070834 ESM003 FILE 8  10E NORTH POLE
065182 16P+002E 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 ESM003 FILE 8  16P 20-55 NORTH
065144 30P+0124 290080706 0765274528 083703 ESM003 FILE 8  GLOBAL EVENING

066140 08S+000E 291093223 0765601376 094036 ESM003 FILE 9  INITIALIZATION
066101F 39+001C 291094036 0765603136 094536 ESM003 FILE 9  N. POLAR CAP 80-90
066181 13P+001E 291094531 0765604224 095836 ESM003 FILE 9  10P N. POLE 70-85
066182 15P+0029 291100001 0765607296 101520 ESM003 FILE 9  15P 55-70 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+011E 291105007 0765618032 105958 ESM003 FILE 9  ELYSIUM EVE R/V SU
066142 30P+0131 291110209 0765620608 113206 ESM003 FILE 9  GLOBAL EVENING

067140 06S+0002 292122029 0765945968 122633 ESM003 FILE10  INITIALIZATION
067101F 12+0011 292122930 0765947904 123021 ESM003 FILE10  N. POLAR CAP 80-90
067121F 25+0017 292123136 0765948352 123324 ESM003 FILE10  N. POLAR CAP 75-86
067181 10P+001E 292123409 0765948896 124637 ESM003 FILE10  10E N. POLE 70-85
067182 20P+0029 292124811 0765951904 130607 ESM003 FILE10  15P 55-70 NORTH
067141 11P+0045 292130912 0765956192 132053 ESM003 FILE10  EVENING TRANSITION
067184 15P+0103 292132214 0765959200 134125 ESM003 FILE10  16P 20-55 N
067151F 27+0123 292134129 0765963328 134327 ESM003 FILE10  EVENING R/V SURVEY
067142 30P+0127 292134607 0765964320 141605 ESM003 FILE10  GLOBAL EVENING
```

TAPE NO. ESM004 REV 68-73 6 FILES

```
068141 33P-080C 293070605 0766187168 073555 FSM004 FILE 1  ATMOS GLOBAL BOX
068142 09P-070C 293080607 0766200032 081528 ESM004 FILE 1  WHOLE DISK DIUR #1
068143 10P-060C 293090600 0766212864 091632 ESM004 FILE 1  WHOLE DISK DIUR #5
068144 11P-050C 293100602 0766225728 101731 ESM004 FILE 1  WHOLE DISK DIUR #6
068145 38P-040C 293110604 0766238592 114405 ESM004 FILE 1  ATMOS GLOBAL BOX
068146 18P-031S 293114659 0766247360 120417 FSM004 FILE 1  WHOLE DISK DIUR #7
068101 25P-025S 293120659 0766251648 123116 ESM004 FILE 1  24B SOUTH POLAR
068147 14P+000F 293151500 0766251536 152944 ESM004 FILE 1  NORTH POLE PM
068102 15P+002S 293153603 0766256448 155123 ESM004 FILE 1  15B 55-70 N
068148 12P+004S 293155604 0766300736 160806 FSM004 FILE 1  EVENING TRANSITION
068104 15P+0103 293161006 0766303744 162517 FSM004 FILE 1  16P 20-55 DEGREE N
068145 29P+0124 293163101 0766308224 170058 FSM004 FILE 1  GLOBAL EVENING

069140 08S-0061 294175220 0766634215 180146 ESM004 FILE 2  INITTALIZATION
069101F 44+000F 294180148 0766636251 180820 ESM004 FILE 2  ARTIC MAPPING
069181 12P+0014 294180823 0766637659 182147 FSM004 FILE 2  N. POLE FILL IN
069182 15P+002S 294182320 0766640864 183839 ESM004 FILE 2  15B 55-70 N
069141 12B+004S 294184320 0766645152 185523 ESM004 FILE 2  EVENING TRANSITION
069184 15P+0103 294185723 0766648160 191233 ESM004 FILE 2  16P 20-55 DEGREE N
069142 30B+0124 294191826 0766652672 194824 ESM004 FILE 2  GLOBAL EVENING

070777 05S-0033 295200801 0766971867 201743 FSM004 FILE 3  IRTM
070101 30S-001S 295201748 0766974640 205019 FSM004 FILE 3  FIXED CN-CA 91-214
070101F 35+0013 295205026 0766980955 205709 ESM004 FILE 3  ARCTIC MAPPING
070181 10P+001E 295205710 0766982400 210838 ESM004 FILE 3  10B N P 70-85 N
070182 16P+0027 295210839 0766984859 212614 ESM004 FILE 3  15B 55-70 DEGREES
070141 12P+004S 295213055 0766989632 214221 FSM004 FILE 3  IRTM - EVENING TRA
070184 16P+0103 295214457 0766992640 220008 ESM004 FILE 3  16P 20-55 DEGREES
070142 30P+0124 295220552 0766997120 223549 ESM004 FILE 3  GLOBAL EVENING

071101F 04-004E 296224048 0767313179 231523 ESM004 FILE 4  PHOBOS SUB MARS PT
071101 23S-0013 296231626 0767320816 233914 ESM004 FILE 4  INITIALIZATION
071111F 34+001C 296233921 0767325723 234561 FSM004 FILE 4  75-83N ARCTIC MAP
071181 10P+001E 296234520 0767327008 235526 ESM004 FILE 4  10B N POLE
071171F 10+002E 296235528 0767329179 235823 ESM004 FILE 4  MOTTLED PLAINS
071182 11P+0025 296235828 0767329819 001259 ESM004 FILE 4  15P 55-70N
071141 13B+0047 297001709 0767333824 003041 ESM004 FILE 4  EVENING TRANSITION
071184 14P+0103 297003307 0767337248 004715 ESM004 FILE 4  20-55N
071142 29P+0124 297005402 0767341728 012902 ESM004 FILE 4  GLOBAL EVENING

072101 30S-002E 298014913 0767662123 022552 ESM004 FILE 5  FIXED C-C
072101F 34+000E 298022637 0767670135 023316 ESM004 FILE 5  75-83N ARCTIC MAP
072181 11P+001E 298023357 0767671712 024403 FSM004 FILE 5  10P N POLE
072182 12P+002E 298024406 0767673883 025908 FSM004 FILE 5  15B 55-70N
072141 13P+0047 298030528 0767678464 031900 ESM004 FILE 5  EVENING TRANSITION
072184 14P+0103 298032136 0767681920 033543 ESM004 FILE 5  20-55B
072142 30P+0124 298034230 0767686400 041227 ESM004 FILE 5  GLOBAL EVENING

073101F 04-0104 299040111 0767996976 045247 ESM004 FILE 6  PHOBOS/STARS
073111F 44+0004 299051019 0768013792 051752 FSM004 FILE 6  N P STEREO 180 WES
073182 10P+002S 299053525 0768019168 054506 ESM004 FILE 6  15B 55-70 NORTH
073141 14P+0047 299055329 0768023040 060701 FSM004 FILE 6  IRTM - EVENING TRA
073184 14P+0103 299060928 0768026464 062356 ESM004 FILE 6  20-55 NORTH
073142 30P+0124 299063031 0768030976 070029 ESM004 FILE 6  IRTM - GLOBAL EVEN
```

D-30566

TAPE NO. ESM005 REV 74-78 6 FILES

```
074101 27S-0021 000073123 0768352615 080C19 FSM005 FILE 1  FIXED C-C
074101F 34+0007 000080021 0768358795 080807 FSM005 FILE 1  75-83N ARCTIC  MAP
074181 10P+001E 000080924 0768360736 082252 FSM005 FILE 1  10B NORTH POLE
074182 10P+0025 000082259 0768363648 084043 ESM005 FILE 1  15B 65-70 NORTH
074141 14P+0047 000084055 0768367486 085427 ESM005 FILE 1  IRTM - EVENING TRA
074184 15P+0103 000085653 0768370912 091101 ESM005 FILE 1  20-55 NORTH
074142 30P+0124 000091757 0768375424 094754 FSM005 FILE 1  IRTM - GLOBAL EVEN

075140 13P-043C 001061024 0768643808 062356 ESM005 FILE 2  S HEM GLOB 130 RCL
075101F 04-0411 001062846 0768647744 062900 ESM005 FILE 2  S. POLAR SURVEY-V
075100 21P-0242 001075822 0768666944 081940 FSM005 FILE 2  S. POLAR
075141 15P-0217 001082328 0768672320 083811 ESM005 FILE 2  SOUTH POLAR REGION
075142 10P-0155 001084123 0768676160 085138 FSM005 FILE 2  S P REGION 130 RCL
075141F 04-0005 001103050 0768699616 103102 ESM005 FILE 2  PM CD SRCH 130 RCL
075101 16S-0006 001103403 0768700304 105012 ESM005 FILE 2  FIXED C-C
075151F 0P+0012 001105238 0768704288 105311 FSM005 FILE 2  3 COLOR POLAR CAP
075181 11P+0016 001105650 0768705184 110718 FSM005 FILE 2  10B N. POLE
075182 10P+0025 001111025 0768708096 112006 ESM005 FILE 2  15B 65-70 NORTH
075144 14P+0047 001112829 0768711968 114201 ESM005 FILE 2  EVENING TRANSITION
075184 14P+0103 001114428 0768715392 115836 ESM005 FILE 2  20-55 NORTH
075145 30P+0124 001120522 0768719872 123520 ESM005 FILE 2  GLOBAL EVENING

076101 33S-  15 002130847 0769042032 133857 FSM005 FILE 3  FIXED C-C
076181 10P   15 002134353 0769049552 135514 ESM005 FILE 3  10B N. POLE 70-85N

076182 15P+003C 002135844 0769052736 141319 FSM005 FILE 4  55-70N
076183 11P+0045 002141818 0769056928 142926 ESM005 FILE 4  30-55N
076184 14P+0104 002143314 0769060128 144704 FSM005 FILE 4  0-30N
076140 25P+0124 002145315 0769064416 151816 ESM005 FILE 4  GLOBAL EVENING MAP

077140 10S-0015 003155644 0769386592 160650 ESM005 FILE 5  PHOBOS AT 4400 KM
077121F 44+0004 003162037 0769391712 162847 ESM005 FILE 5  N P STER 1 307 W
077182 15P+003C 003164637 0769397280 170111 FSM005 FILE 5  55-70N
077181F 15+0046 003170311 0769400832 170414 ESM005 FILE 5  N. POLAR SURVEY
077183 11P+0045 003170619 0769401504 171714 ESM005 FILE 5  30-55N
077184 14P+0104 003172124 0769404736 173514 ESM005 FILE 5  0-30N
077141 25P+0124 003174125 0769409024 180627 ESM005 FILE 5  GLOBAL EVENING MAP

078101 27S-0015 004184445 0769731168 191223 FSM005 FILE 6  FIXED C-C
078111F 39+0007 004191227 0769737104 192040 FSM005 FILE 6  75-83N ARCTIC MAP
078181 10P+0016 004192045 0769738880 193050 ESM005 FILE 6  10B N. POLE 70-85
078182 14P+0025 004193420 0769741792 194855 ESM005 FILE 6  55-70N
078171F 15+0046 004195112 0769745408 195216 ESM005 FILE 6  N. POLAR SURVEY
078183 11P+0045 004195430 0769746112 200538 FSM005 FILE 6  30-55 NORTH
078184 14P+0104 004200926 0769749312 202315 ESM005 FILE 6  0-30N
078140 29P+0124 004202926 0769753600 205857 ESM005 FILE 6  GLOBAL EVENING MAP
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D-30301

TAPE NO. ESM006 REV 79-85 8 FILES

079101F	38-0338	305181409	0770033184	182806	ESM006	FILE 1	S. POLAR SURVEY
079140	19B-0245	305190719	0770044576	192632	ESM006	FILE 1	SOUTH POLAR MAP IN
079100	24B-0215	305193711	0770050976	200128	ESM006	FILE 1	S. POLAR
079139F	04-0046	305210521	0770069867	213339	ESM006	FILE 1	PHOBOS DATA BANK
079101	26S-0017	305213434	0770076128	220219	ESM006	FILE 1	FIXED C-C
079143F	39+0009	305220224	0770082091	220849	ESM006	FILE 1	75-83N ARCTIC MAP
079181	11B+0016	305220855	0770083488	221901	ESM006	FILE 1	10B N. POLE 70-85
079182	14B+0029	305222212	0770086336	223647	ESM006	FILE 1	55-70N
079183	11B+0049	305224213	0770090624	225321	ESM006	FILE 1	30-55 NORTH
079184	14B+0104	305225718	0770093856	231108	ESM006	FILE 1	0-30N
079141	29B+0124	305231718	0770098144	234649	ESM006	FILE 1	GLOBAL EVENING MAP
080101	33S-0025	307001359	0770418859	004826	ESM006	FILE 2	FIXED C-C
080101F	34+0009	307004900	0770426363	005356	ESM006	FILE 2	POLAR COLOR
080181	11S+0015	307005504	0770427664	010617	ESM006	FILE 2	SECRET SOURCE
080182	15B+0029	307010938	0770430784	012412	ESM006	FILE 2	55-70 NORTH
080183	11B+0049	307012938	0770435072	014047	ESM006	FILE 2	30-55 DEGREE NORTH
080184	14B+0104	307014443	0770438304	015833	ESM006	FILE 2	0-30 NORTH
080140	30B+0124	307020444	0770442592	023441	ESM006	FILE 2	GLOBAL EVENING MAP
081101F	28- 338	307234900	0770722080	235754	ESM006	FILE 3	SOUTH POLAR SURVEY
081100	21B- 245	308004201	0770733440	010355	ESM006	FILE 3	SOUTH POLAR -- ROL
081140	31B- 215	308011202	0770739872	014321	ESM006	FILE 3	S P MAP ROLL
081131F	10- 44	308024307	0770759392	031456	ESM006	FILE 3	PHOBOS/SUB-MARS PT
081101	13S- 9	308031756	0770766848	033047	ESM006	FILE 3	FIXED C-C
081151F	44 4	308033157	0770769856	033922	ESM006	FILE 3	NORTH POLAR STEREO
081182	17B 29	308035703	0770775232	041428	ESM006	FILE 4	55-70 DEGREE NORTH
081183	11B 49	308041704	0770779520	042812	ESM006	FILE 4	30-45 DEGREE NORTH
081184	43B 104	308043200	0770782720	051545	ESM006	FILE 4	0-30 DEGREE NORTH
082101	33S- 24	309055025	0771108096	062620	ESM006	FILE 5	FIXED C-C
082101F	32 11	309062624	0771115808	063143	ESM006	FILE 5	COLOR TARGET
082181	10B 16	309063147	0771116960	064130	ESM006	FILE 5	N. POLE FILL IN
082182	14B 29	309064504	0771119808	065939	ESM006	FILE 5	55-70 NORTH
082183	11B 49	309070505	0771124096	071614	ESM006	FILE 5	
082184	13B 104	309072001	0771127296	073351	ESM006	FILE 5	0-30 NORTH
082140	24B 124	309074002	0771131584	080441	ESM006	FILE 5	GLOBAL EVENING
083101	33S- 24	310083853	0771452768	091150	ESM006	FILE 6	FIXED C-C
083111F	42 10	310091349	0771460256	091836	ESM006	FILE 6	N. POLAR COLOR
083181	08B 21	310092538	0771462784	093347	ESM006	FILE 6	10B N. POLE 70-85
083182	15B 31	310093529	0771464896	095004	ESM006	FILE 6	55-70 NORTH
083183	11B 49	310095333	0771468768	100442	ESM006	FILE 6	30-55 NORTH
083184	14B 104	310100829	0771471968	102219	ESM006	FILE 6	0-30 NORTH
083140	25B 124	310102830	0771476256	105309	ESM006	FILE 6	GLOBAL EVENING
084140	32B-0248	311090342	0771766656	093509	ESM006	FILE 7	IRTM - SOUTH POLAR
084100	21B-0215	311093642	0771773728	095724	ESM006	FILE 7	SOUTH POLAR
084101	33S-0024	311112704	0771797376	120101	ESM006	FILE 7	FIXED CONE-CLOCK
084101F	21+0010	311120236	0771804992	120749	ESM006	FILE 7	75-83 NORTH ARCTIC
084181	12B+0015	311120750	0771806112	122053	ESM006	FILE 7	10B N POLE 70-85N
084182	15B+0029	311122143	0771809088	123618	ESM006	FILE 7	55-70N

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

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084183 11P+0045 511124144 0771813376 125252 ESM006 FILE 7  30-55N
084184 14P+0104 511125640 0771816576 131224 ESM006 FILE 7  0-30N
084141 25P+0124 511131640 0771820864 134142 FSM006 FILE 7  IRTM - GLOBAL EVEN

085101 33S-0024 512141434 0772141840 144804 ESM006 FILE 8  FIXED CONE-CLOCK
085121F 08+001F 512144840 0772149152 145523 ESM006 FILE 8  KOROLEV - COLOR
085181 11P+001F 512145524 0772150592 150702 FSM006 FILE 8  10P N POLE 70-85N
085182 14P+002S 512150917 0772153568 152352 ESM006 FILE 8  55-70N
085183 11P+0045 512152918 0772157056 154027 FSM006 FILE 8  30-55N
085184 14P+0104 512154414 0772161056 155804 ESM006 FILE 8  0-30N
085140 25P+0124 512160415 0772165344 162516 ESM006 FILE 8  IRTM - GLOBAL EVEN
```

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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 S3S    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
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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  DAALBEDOEWOLMPO+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 S41-   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 S06-   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 S06-   19 365175548 0474195248 180146 CSM014 FILE 9  36/140 TO 46/117

202200 S14- 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 S05-  12 011001923 0477671728 002457 CSM014 FILE 10 12/93 TO  21/74

203201 S45- 903 011160332 0477874048 164900 CSM014 FILE 11 OFF PLANT
203011F032-  24 012004219 0477985216 004812 CSM014 FILE 11 PHOBOS COLOR
203400 S07-  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 20B 19 019054126 0480209312 060159 CSM014 FILE 18 AFTN MAPS PT 1
210042 41B 49 019061127 0480215744 065210 CSM014 FILE 18 EVENING MAPPING

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

211001 16B- 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 21B 39 020063830 0480530112 065948 CSM015 FILE 1 AFTN MAPS PT 3

212001 16B- 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 16B 59 021073552 0480850976 075152 CSM015 FILE 2 AFTN MAPS PT 4

214200 S06 023063155 0481454416 063740 CSM015 FILE 3 OFF PLANET
214001F060 023063744 0481455664 064811 CSM015 FILE 3 SYS MAP ARASIA
214081 60B 023065750 0481459968 075757 CSM015 FILE 3 AFTERNOON/EVENING G

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

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

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

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

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

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

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

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

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

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

225001F016 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 40S- 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 30S- 11 040121934 0486774624 124927 CSM016 FILE 6 DIURNAL/PHASE PT5

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

242080 60S 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 21S- 12 052225350 0490613392 231418 CSM016 FILE 11 A1 EMISSION PHASE
245040 1S 57 053000410 0490628464 000536 CSM016 FILE 11 PHOBOS 90 DEG PHASE
245041 3S 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 1S 57 054215922 0491218864 220043 CSM016 FILE 13 PHOBOS 90 DEG PHASE

248001F 22 57 055205720 0491514144 205855 CSM016 FILE 14 PHOBOS

249041 8S 46 056194331 0491806896 195145 CSM016 FILE 15
249042 2S 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
250001F038 0 057185531 0492105184 185854 CSM016 FILE 16 PHOBOS
250002 23B 0 057190045 0492106304 192332 CSM016 FILE 16 MID-LAT MAP PT2

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251001 60S- 559 058105339 0492310496 115342 CSM016 FILE 17 60L DIFFUSER
251040 26B- 100 058155322 0492374720 161944 CSM016 FILE 17 HIGH RESOLUTION PRE
251041  5S   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   39 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 10S    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 10S    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 10S   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 10S   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 10S   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 10S   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 10S   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 0496136192 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
```

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265080 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

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

```
275040 65B- 459 080230748 0499256384 001242 CSM019 FILE 1  SOUTHERN NIGHT (1/4
275001F 28-   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 QUAD MAPPING
277001F 38-   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 49B 107 083010616 0499898912 015503 CSM019 FILE 3 SOUTH HEM MAPPING

279001F020- 1 084212209 0500468032 212429 CSM019 FILE 4 HIGH RESOLUTION MAP
279080 36B 19 084214322 0500472576 221918 CSM019 FILE 4 EQUATORIAL MAPPING
279021F032 100 084222350 0500481248 222824 CSM019 FILE 4 SO LATITUDES MED RE
279081 56B 107 084223127 0500482880 232800 CSM019 FILE 4 SRRINGTIME DIURNAL

280001F 10- 0 085205424 0500770656 205505 CSM019 FILE 5 HIGH RESOLUTION MAP
280080 36B 19 085211358 0500774848 214954 CSM019 FILE 5 EQUATORIAL MAPPING
280011F032 59 085215417 0500783488 215900 CSM019 FILE 5 SO LATITUDES MED RE
280081 57B 107 085220154 0500785120 225827 CSM019 FILE 5 SPRINGTIME DIURNAL

281040 19B- 50 086193441 0501062144 195354 CSM019 FILE 6 PREDAWN NOCTIS LABY
281080 36B 19 086204443 0501077152 212008 CSM019 FILE 6 EQUATORIAL MAPPING
281081 57B 107 086213240 0501087424 222912 CSM019 FILE 6 SPRINGTIME DIURNAL

282040 19B- 50 087190535 0501364480 192448 CSM019 FILE 7 PREDAWN IUS CHASMA
282080 35B 19 087201529 0501379456 205053 CSM019 FILE 7 EQUATORIAL MAPPING
282081 57B 107 087210334 0501389760 220006 CSM019 FILE 7 SPRINGTIME DIURNAL

283040 21B- 106 088182115 0501663552 184233 CSM019 FILE 8 PREDAWN MELAS CHASM
283080 25B 28 088195614 0501683904 202125 CSM019 FILE 8 EQUATORIAL MAPPING
283081 61B 58 088202615 0501690336 212734 CSM019 FILE 8 SPRINGTIME DIURNAL

284001F030- 2 089185501 0501979360 185819 CSM019 FILE 9 HIGH RESOLUTION MAP
284080 25B 28 089192641 0501986144 195152 CSM019 FILE 9 EQUATORIAL MAPPING
284081 62B 58 089195642 0501992576 205801 CSM019 FILE 9 SPRINGTIME DIURNAL

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

285040 22B- 51 090173657 0502271200 175815 CSM020, FILE 1 PREDAWN DA VINCI
285080 37B 18 090184659 0502286208 192326 CSM020, FILE 1 EQUATORIAL MAPPING
285081 61B 58 090192701 0502294784 202820 CSM020, FILE 1 SPRINGTIME DIURNAL

286040 21B- 51 091170706 0502573376 172824 CSM020 FILE 2 PREDAWN MARGARITIFE
286001F060 18 091181726 0502588448 182113 CSM020 FILE 2
286080 36B 23 091182146 0502589376 185742 CSM020 FILE 2 EQUATORIAL MAPPING
286081 61B 106 091190505 0502598656 200624 CSM020 FILE 2 SPRINGTIME DIURNAL

287040 21B- 51 092163707 0502875520 165824 CSM020 FILE 3 PREDAWN SIMUS MERID
287080 36B 18 092174700 0502890496 182327 CSM020 FILE 3 EQUATORIAL MAP
287081 61B 106 092183505 0502900800 193624 CSM020 FILE 3 SPRINGTIME DIURNAL

288040 21B- 51 093160707 0503177664 162825 CSM020 FILE 4 PREDAWN SCHIAPARELL
288080 36B 18 093171700 0503192640 175328 CSM020 FILE 4 EQUATORIAL MAPPING
288081 61B 58 093175702 0503201216 185821 CSM020 FILE 4 SPRINGTIME DIURNAL

289040 21B- 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 36B 18 094164710 0503494816 172337 CSM020 FILE 5 EQUATORIAL MAPPING
289001F 59 54 094172335 0503502624 173501 CSM020 FILE 5 SO LATITUDES MED RE
289081 61B 105 094173506 0503505088 183625 CSM020 FILE 5 SPRINGTIME DIURNAL

290040 21B- 49 095150922 0503782432 153040 CSM020 FILE 6 SINUS SABAEUS PREDA
290080 30B 29 095162925 0503799584 175942 CSM020 FILE 6 MID-LAT MAPPING
290081 39B 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 CERAUNIUS 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

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

*****************************************************************
                MAWD NSSDC DATA CATALOG CODING
                ------------------------------
COLUMN
NUMBERS
1,2,3        ORBIT NUMBER
4            SPACECRAFT   VO-I   0,2,4,6  ORBITAL   8   APPROACH
                          VO-II  1,3,5,7   DATA     9     DATA
             IF COLUMN 4 = 6 ADD 1000 TO REV # TO GET CORRECT REV #
5,6          OBSERVATION NUMBER
             00-39 = MAWD  40-79 = IRTM  80-99 = MAWD & IRTM
             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 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 BOX
```

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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
```

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 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                      TAPE CSM084
110
```

306080 31B 37 1110846 5 0508637440 091705 CSM021 FILE 12 AFTERNOON TROPICS
306081 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 33S-0024 312141434 0772141840 144804 ESM006 FILE 8 FIXED CONE-CLOCK
085121F 08+0015 312144840 0772149152 145523 ESM006 FILE 8 KOROLEV - COLOR
085181 11B+0015 312145524 0772150592 150702 ESM006 FILE 8 10B N POLE 70-85N
085182 14B+0029 312150917 0772153568 152352 ESM006 FILE 8 55-70N
085183 11B+0049 312152918 0772157856 154027 ESM006 FILE 8 30-55N
085184 14B+0104 312154414 0772161056 155804 ESM006 FILE 8 0-30N
085140 25B+0124 312160415 0772165344 162916 ESM006 FILE 8 IRTM - GLOBAL EVEN

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

118110 S3B+1893 350004502 0783694080 012258 ESM007 FILE 1 OFFSETS AT TURN-ON

119140 10S-0025 350131941 0783855792 132951 ESM007 FILE 2 PHOBOS AT 2800KM
119181 14B+0017 350140322 0783865152 141721 ESM007 FILE 2 N. POLE SEQUENCE A
119182 24B+0033 350141921 0783868576 144338 ESM007 FILE 2 30-70N SEQUENCE B
119183 62B+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 49B-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 25B+0034 351170646 0784213024 173103 ESM007 FILE 3 30-75N SEQUENCE B

121101F 8-0028 352185204 0784544160 185236 ESM007 FILE 4 PHOBOS COLOR
121181 14B+0017 352193822 0784554080 195221 ESM007 FILE 4 N. POLE SEQUENCE A
121182 24B+0034 352195429 0784557536 201846 ESM007 FILE 4 30-70N SEQUENCE B
121183 62B+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 24B+0034 353224231 0784902112 230648 ESM007 FILE 5 30-70N SEQUENCE B

123181 14B+0022 355011433 0785243264 012832 ESM007 FILE 6 N. POLE SEQUENCE A
123182 24B+0033 355013032 0785246688 015449 ESM007 FILE 6 30-75N SEQUENCE B
123183 63B+0059 355015631 0785252256 025902 ESM007 FILE 6 -60 TO +30 SEQUENCE
123120 S0B-1848 355144330 0785416608 145156 ESM007 FILE 6 OFF PLANET TURN ON

124101F053-0009 356033623 0785582224 040128 ESM007 FILE 7 CIRCUM POLAR TARGET
124181 36B+0017 356040346 0785588096 044000 ESM007 FILE 7 SEQUENCE AB
124183 63B+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 40B+0016 357063129 0785928315 071015 ESM007 FILE 8 SEQ AB NOT DNLK
125101 27B+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
126181 36B+0020 358090341 0786269504 093954 ESM007 FILE 9 SEQ AB NOT DNLK

127130 S2B-0112 359100032 0786590256 102859 ESM007 FILE 10 25/308 AREA

1[illegible]101F 22-0012 359105936 0786602912 112151 ESM007 FILE 10 PLAINS
1[illegible]141F 30+0009 359112155 0786607696 112937 ESM007 FILE 10 NORTH POLAR CAP

130101 60S+0050 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 EQUENCE 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[illegible]101F036+0005 004121653 0790013760 122649 ESM008 FILE 5 OUTLIER COLOR
1[illegible]181 36B+0018 004122907 0790016384 130521 ESM008 FILE 5 SEQUENCE AB

138101F056-0009 005143042 0790351008 145441 ESM008 FILE 6 79/355MTO 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[illegible]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

14[illegible]11F066+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 083-1546 014003710 0792949536 023638 ESM009 FILE 4 1365/L S.P. FIX C/C
146301 063-0800 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
1[illegible]137F063+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  SEQENCE 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
```

17 01 38S+0000 045082904 0802616368 090701 ESM012 FILE 3 FIXED C/C N POLAR-E
17 01F036+1678 045200104 0802764640 201900 ESM012 FILE 3 S HEMI GEODESY R/V
174300 S20+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

18 01 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 S26-0036 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
1 81 21B+ 062233848 0808057024 235921 ESM013 FILE 3 SEQUENCE C

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

1[illegible]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 SP04.00.25
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 TD 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

21[illegible]101FH90-1605 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[illegible].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

24[illegible]82 21B-0616 114101708 0823930944 113845 ESM015 FILE 5 SP6.00.25
24[illegible]01F 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 ARES 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
258182 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[illegible]94 56B-0259 146182850 0833910592 192447 ESM017 FILE 6 SP2.51.25
27[illegible]01 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[illegible]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

28 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 VO-2 MOT 11,12 & 13.
* VO REV PROJECTIONS PER M.D. SOLUTION X88$24 FOR VO-1 AND Y32$23 FOR VO-2, DATED 24 OCT 77 AND 26 OCT 77 RESPECTIVELY.

JUNE 1976

MOI ▼ (GMT DOY 172) MOT I ▼ (GMT DOY 173)

VO-1 REVS																																	
VL-1 SOLS																						2	3	4	5	6	7	8	9	10	11	12	
GMT DOY	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																																	
VO-2 REVS																																	

7-25-77

JULY - AUGUST - SEPTEMBER 1976

SUMMER SOLSTICE (at PST date July 15) · MOT 5 (at VD-1 rev 19) · MOT 6 (at VD-1 rev 24)

VO-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 M
VL-2 SOLS	
VO-2 REVS	

SKT 2 (at VD-1 rev 43)

VO-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	104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119
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 T
VL-2 SOLS	
VO-2 REVS	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MOI (before VO-2 rev 1) · MOT 1 (at VO-2 rev 2) · MOT 2 (at VO-2 rev 6) · MOT 3 (at VO-2 rev 16) · MOT 4 (at VO-2 rev 18)

MOT 7 (at VD-1 rev 82) · MOT 8 (at VD-1 rev 92) · MOT 9 (at VD-1 rev 96)

VO-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	0 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
VO-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

MOT 5A (at VO-2 rev 49) · MOT 5 (at VO-2 rev 51)

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OCTOBER - NOVEMBER - DECEMBER 1976

VO-1 REVS	102	103	104	105	106	107	108	109	110	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 SOLS	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 S	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 SOLS	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		
VO-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 → (VO-1 REV 147) ← BEGINNING OF VEM AND CONJUNCTION PERIOD

CONJUNCTION (VO-1 REV 157)

VO-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	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131			
GMT DOY	305	306	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	
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		
VO-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					

END OF CONJUNCTION PERIOD → (VO-1 REV 181)

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	130	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	1	2
L SUB S	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179																	
PST MONTH	DECEMBER 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	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	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	111	112	113	114	115	116	117		
VO-2 REVS	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135				

MOT 8 (VO-2 REV 123/124)

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JANUARY - FEBRUARY - MARCH 1977

AUTUMNAL EQUINOX

VO-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 S	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 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	W			
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						
VO-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								

MOT 10

MOT 11

MOT 12

VO-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 S	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									
VO-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.

MOT 13

MOT 14

VO-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 S	218	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230																	
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						
VO-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						

MOT 9

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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 SUB S	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	M
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

HOT 16 ▼

VO-1 REVS	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	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						

7-25-77

JULY - AUGUST - SEPTEMBER 1977

MOT 16 ▽ (at VD-1 REV 379)

VO-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	402	403	404	405	406	407	408	409	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 S	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311														
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			
VO-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

VO-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 S	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329																
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	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	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			
VO-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

VO-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 S	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344																
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	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		
VO-2 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	402	403	404	405	406	407	408	409	410

△ MOT 11 (at VO-2 REV 404)

10 NOV 77

OCTOBER - NOVEMBER - DECEMBER 1977

VO-1 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		
VL-1 SOLS	426	427	428	429	430	431	432	433	434	435	436	437	439	439	440	441	442	443	444	445	446	447	448	449	450	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	321	322	303	304	305	306	
L SUB S		344		345		346		347		348		349		350		351		352		353		354		355		356		357		358					
PST MONTH																OCTOBER 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	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	W	
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	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461		

MOT 12

MOT 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	469	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486				
GMT DOY	304	305	306	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		
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	F		
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	469	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	473	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	521	502	503	

10 NOV 77

JANUARY - FEBRUARY - MARCH 1978

VO-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		
VO-2 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	533	

96 47

VO-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																		
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	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		
VO-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	

VO-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																			
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	S
VL-2 SOLS	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	
VO-2 REVS	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	590	591	592	

10 NOV 77

APRIL - MAY - JUNE 1978

VO-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	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633			
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 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			
VO-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 (at VO-1 REV 709) — END OF YEM (at VO-1 REV 714)

VO-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 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	80	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		
VO-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	

VO-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 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	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	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			
VO-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		

10 NOV 77

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	W
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		806	807	808	809	810	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
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		708	709	710	711	712	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	
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

10 NOV 77

OCTOBER - NOVEMBER - DECEMBER 1978

hold?

VO-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	
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	T
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		
VO-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 (↓ at VO-1 rev 889, November 22) — END OF VCM1 (↓ at VO-1 rev 897, November 30)

VO-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	304	305	306	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	
L SUB S	169		170		171		172		173		174		175		176		177		178		179		180		181		182		183		184		185	
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	S	
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			
VO-2 REVS	805	806	807	808	809	810	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		

VO-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	1	2
L SUB S	185		186		187		188		189		190		191		192		193		194		195		196		197		198		199		200		201	202
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	

10 NOV 77

JANUARY 1979

CONJUNCTION

VO-1 REVS		928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	
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		
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	201	202		203		204		205		206		207		208		209		210		211		212		213		214		215		216		217		218		219
PST MONTH		JANUARY 1979																																	
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	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		

10 NOV 77

DUMP OF TAPE DOUT-2

D-44123
August 21, 1979
June 6, 1979

INPUT TAPE DOUT-2 ON TU0
DATA INPUT H9 NF 20 SR 1 1 1 SR 20 LAST 1

1D3

FILE 1 RECORD 1 LENGTH 960BYTES

(0)	00000000	00000000	00000000	00000000	00000000	00000000	005BFFB3	FF44FFDF	00870000	00000000
(40)	00000001	1C721BEA	00000000	00000000	00000000	00000000	00000000	00000000	00000000	002A002C
(80)	FFD60030	00240000	00000000	00000001	1C721BEA	00000000	00000000	00000000	00000000	00000000
(120)	00000000	00000000	FF81FFFC	007D0084	FFFE0000	00000000	00000001	1C721BEA	00000000	00000000
(160)	00000000	00000000	00000000	00000000	00000000	FFFA002C	FFEE0045	00240000	00000000	00000001
(200)	1C721BEA	00000000	00000000	00000000	00000000	00000000	00000000	00000000	FFE5FFE4	FFBEFFB6
(240)	004C0000	00000000	00000001	1C721BEA	00000000	00000000	00000000	00000000	00000000	00000000
(280)	00000000	00400075	FF3F0084	FFFF0000	00000000	00000001	1C721BEA	00000000	00000000	00000000
(320)	00000000	00000000	00000000	00000000	FFE30014	004C0006	00000000	00000000	00000001	1C721BEA
(360)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	008B0014	0034FFF4	FFC50000
(400)	00000000	00000001	1C721BEA	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(440)	FFB40075	FF8DFFDF	00AE0000	00000000	00000001	1C721BEA	00000000	00000000	00000000	00000000
(480)	00000000	00000000	00000000	0013005D	FFD5FFDF	004C0000	00000000	00000001	1C721BEA	00000000
(520)	00000000	00000000	00000000	00000000	00000000	00000000	0029FF9A	FFBE0045	FF4E0000	00000000
(560)	00000001	1C721BEA	00000000	00000000	00000000	00000000	00000000	00000000	00000000	FFE3005D
(600)	FF8E0006	00380000	00000000	00000001	1C721BEA	00000000	00000000	00000000	00000000	00000000
(640)	00000000	00000000	FFFA005D	FF8E0045	00730000	00000000	00000001	1C721BEA	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	FFCA0075	FFEE0045	00380000	00000000	00000001
(720)	1C721BEA	00000000	00000000	00000000	00000000	00000000	00000000	00000000	0016FFE4	FFBCFF23
(760)	00390000	00000000	00000001	1C721BEA	00000000	00007080	00007080	00007080	00007080	00000000
(800)	00000000	00040022	FFD5000C	00250043	00480051	005A0054	00000000	00000000	0000FDD4	1D300000
(840)	004AFDED	00980000	00000000	70807080	00000000	70807080	069704B1	00000000	00010000	09090992
(880)	0C930F0A	10B20000	00000000	00000000	00000001	C0650068	0064006D	006C5BFC	32ECFFFF	0BF51490
(920)	00000000	00000000	1D3000D1	02E08C42	1C721BEA	00000280	790A0000	032002A3	00000000	00000000

Orbit No. 1152

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	475	475	960	0	0	0	0	0	0

FILE 20 RECORD 843 LENGTH 960BYTES

(0)	EF8F13A6	EFE613F2	F1031205	F0AC11B8	000002D4	11C01A65	006F00C1	009400C8	00C50000	00000000
(40)	00000000	22531C0B	00000000	EFE513F3	F02E1430	F1441248	F0FC120B	000002D0	115D1A4C	005800C1
(80)	00C500C8	000F0000	00000000	00000000	22531C14	00000000	F0331439	F07C1476	F1801292	F1441255
(120)	000002CB	10FB1A33	0087016E	00C30031	009E0000	00000000	00000000	22531C1D	00000000	F082147F
(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	00000000	F11E150A	F1671547	F2641371	F21B1334	000002BC
(280)	0FD419E8	00E5005E	007C01C8	01010000	00000000	00000000	22531C39	00000000	F165153F	F1AD157C
(320)	F2A613AA	F25E136D	00002B9	0F7C19D3	00FD00DA	00930087	00890000	00000000	00000000	22531C42
(360)	00000000	F1AB1574	F1F415B0	F2E813E3	F2A013A6	00002B5	0F2419BE	00870090	00F3005C	013E0000
(400)	00000000	00000000	22531C4B	00000000	F1F215A9	F23A15E5	F32B141C	F2E213DF	000002B2	0ECC19A9
(440)	01430090	001D00C8	009C0000	00000000	00000000	22531C54	00000000	F23815DD	F281161A	F36D1455
(480)	F3241418	000002AE	0E751994	00B60014	009400C8	00D90000	00000000	00000000	22531C5D	00000000
(520)	F2791608	F2C21644	F3AA1483	F3621447	000002AB	0E241982	00CD010B	004E00C8	00740000	00000000
(560)	00000000	22531C66	00000000	F2BB1632	F303166F	F3E814B2	F39F1475	000002A8	0DD31970	012C0155
(600)	010B00B2	013D0000	00000000	00000000	22531C70	00000000	F2FC165C	F3441699	F42614E1	F3DD14A4
(640)	000002A5	0D83195E	00B600F2	00AB0072	01290000	00000000	00000000	22531C79	00000000	F33D1687
(680)	F38616C3	F463150F	F41B14D3	000002A2	0D32194C	00870014	01240072	00DA0000	00000000	00000000
(720)	22531C82	00000000	F37E16B1	F3C716EE	F4A1153E	F4581501	0000029F	0CE2193B	012B013D	00660110
(760)	009C0000	00000000	00000000	22531C8B	00000000	EF8F13A6	F3BF16E6	F4991536	F0AC11B9	000002B5
(800)	0F2419BE	00CE00C6	00A200B9	00C2004C	006A0046	004D0051	00000000	000007B1	050E0000	
(840)	0017FDEF	01970000	EF8FF3BF	13A616E6	F0ACF499	11B91536	06AB0478	F24C14A8	00000000	09090992
(880)	0C930F0A	10B20000	00000000	00000000	00000001	007A0068	00600070	00806576	3D1C0000	2DF93A1D
(920)	00000000	00000000	0FC70340	004C1C00	22531C4B	000002A9	47734B52	FE8219E8	00000000	00000000

Orbit No. 1407

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

DUMP OF TAPE DOUT-3

O-44124
May 13, 1980 -
June 15, 1980

INPUT TAPE DOUT-3 ON TU0
DATA INPUT H9 NF 6 SR 1 1 1 SR 6 LAST 1

FILE	1 RECORD	1 LENGTH	960BYTES							
(0)	0DD31449	0E141484	0F89125E	0F471224	0000025C	12AE11BD	06540630	04BA0534	055E0000	00000000
(40)	00000000	1F6F2044	00000000	0E2C1468	0E6D14A2	0FF7126A	0FB61230	0000025A	131411CE	05C50569
(80)	0442051F	04950000	00000000	00000000	1F6F204D	00000000	0E861486	0EC714C0	10661277	1025123D
(120)	00000259	137A11E0	051D0537	0471055F	050E0000	00000000	00000000	1F6F2056	00000000	0EDF14A4
(160)	0F2014DE	10D51283	10941249	00000257	13E011F1	0564051F	03B305C9	04A90000	00000000	00000000
(200)	1F6F205F	00000000	0F3914C2	0F7A14FC	11441290	11031256	00000255	14461203	051F04A3	03C904B4
(240)	04820000	00000000	00000000	1F6F2069	00000000	0F9214E0	0FD3151B	11B3129D	11721262	00000253
(280)	14AC1215	043004BC	030A050A	03910000	00000000	00000000	1F6F2072	00000000	1004150D	10451547
(320)	125B12A6	121A126B	00000251	1536122E	040404D4	03200433	031B0000	00000000	00000000	1F6F207B
(360)	00000000	10751539	10B61574	130212AF	12C11275	0000024F	15C11248	038C0457	03370433	03BA0000
(400)	00000000	00000000	1F6F2084	00000000	10E71566	112815A0	13AA12B8	1368127D	0000024C	164C1261
(440)	04910489	02780489	03E20000	00000000	00000000	1F6F208D	00000000	11581592	119915CD	145112C1
(480)	14101286	0000024A	16D7127B	03BC0426	037F0433	028E0000	00000000	00000000	1F6F2096	00000000
(520)	00000000	00000000	00000000	00000000	00000000	00000000	04780426	036904DF	03420000	00000000
(560)	00000001	1F6F209F	00000000	00000000	00000000	00000000	00000000	00000000	00000000	038D040D
(600)	030803DE	036A0000	00000000	00000001	1F6F20A9	00000000	00000000	00000000	00000000	00000000
(640)	00000000	00000000	038F02E3	02480374	022B0000	00000000	00000001	1F6F20B2	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	025D01D3	01850273	018B0000	00000000	00000001
(720)	1F6F20BB	00000000	00000000	00000000	00000000	00000000	00000000	7FFF0000	012C0090	00AC00DD
(760)	009D0000	00000000	00000001	1F6F20C4	00000000	0DD3144A	15EB17E7	00000000	0F481224	0000024F
(800)	15C11248	0432042D	03260442	03770150	016F0111	01420155	00000000	00000000	0000079A	6F040000
(840)	0045FDE9	019D0000	0DD315EB	144A17E7	0F4817AF	1224132C	06AB0439	11961420	00010000	09090992
(880)	0C930F0A	10B20000	00000000	00000000	00000001	00660061	006D0077	006265AF	7B6C0000	2A213B07
(920)	00000000	00000000	10890AEC	00D51C02	1F6F2084	000002A9	43114AB9	FE9A14D8	00000000	00000000

ORBIT 1413

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

FILE	6 RECORD	618 LENGTH	960BYTES							
(0)	0BEA1207	0BEA1210	0BFD1234	0BFE122B	00000737	14D9252E	FFE3FF98	FFD60007	00390000	00000000
(40)	00000000	1CAD59BC	00000000	0BE9120C	0BE81213	0BF81237	0BFC122F	00000736	14CE252E	0059FFFC
(80)	0004005D	FFAF0000	00000000	00000000	1CAD59C5	00000000	0BE8120F	0BE61217	0BF9123A	0BFB1233
(120)	00000736	14C3252F	002BFFB1	FFD5FFDF	00110000	00000000	00000000	1CAD59CE	00000000	0BE61213
(160)	0BE5121B	0BF8123E	0BF91237	00000736	14B8252F	FFB5FF7F	FF8DFFC9	00000000	00000000	00000000
(200)	1CAD59D7	00000000	0BE51217	0BE3121E	0BF61242	0BF8123A	00000736	14AD2530	0010FFE3	FF8F0088
(240)	00610000	00000000	00000000	1CAD59E1	00000000	0BE3121B	0BE21222	0BF51245	0BF6123E	00000735
(280)	14A32531	FFC9FF7F	003500B3	FFAF0000	00000000	00000000	1CAD59EA	00000000	0BE2121E	0BE11226
(320)	0BF41249	0BF51241	00000735	14982531	00A1005F	0064001C	00750000	00000000	00000000	1CAD59F3
(360)	00000000	0BE11222	0BDF1229	0BF2124C	0BF41244	00000735	148D2532	00130014	FFA5FFC9	009E0000
(400)	00000000	00000000	1CAD59FD	00000000	0BE01225	0BDE122D	0BF1124F	0BF21248	00000735	14822532
(440)	FFCC00AA	FFA60007	FFD70000	00000000	00000000	1CAD5A06	00000000	0BDE1229	0BDD1230	0BF01252
(480)	0BF1124B	00000734	14782533	002B0014	004BFFC9	00250000	00000000	00000000	1CAD5A0F	00000000
(520)	0BDD122C	0BDC1234	0BEF1256	0BF0124E	00000734	146D2533	002900AA	FFD6005D	00750000	00000000
(560)	00000000	1CAD5A18	00000000	0BDC1230	0BDB1237	0BED1259	0BEF1251	00000734	14632533	FFE3FFE3
(600)	FFEE001C	00250000	00000000	00000000	1CAD5A22	00000000	0BDB1233	0BDA123B	0BEC125C	0BEE1255
(640)	00000734	14582534	002AFFFC	FFD60007	FFEC0000	00000000	00000000	1CAD5A2B	00000000	0BDA1237
(680)	0BD9123E	0BEB125F	0BEC1258	00000734	144E2534	FFB4005F	FFD5FFF4	00110000	00000000	00000000
(720)	1CAD5A34	00000000	0BD9123A	0BD81242	0BEA1263	0BEB125B	00000733	14442535	FFFE0091	FFD4FF48
(760)	00000000	00000000	00000000	1CAD5A3D	00000000	0BEB1208	0BD81242	0BEA1263	0BFE122C	00000735
(800)	148D2532	0009000D	FFE4000B	001B0041	00660041	005A0048	00000000	00000000	000006B0	46190000
(840)	0043FDEF	01C00000	0BEB0BD8	12081242	0BFE0BEA	122C1263	07050397	0BEA1237	00000000	09090992
(880)	0C930F0A	10B20000	00000000	00000000	00000001	00520066	0064006A	008566FF	083C0000	015A3F9B
(920)	00000000	00000000	14F70B96	002A1C21	1CAD59FD	00000280	020403E5	0BAA1786	00000000	00000000

orbit No. 1448

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

84 = Day 132

A7 = Day 167 = June 16, 1980

75-075A-03C

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

V02-M-MAWD-4-Y1.0

75-083A-03B

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	MAWD06	6	4-305
D-79963	C-29149	MAWD07	6	306-705

D79960

Viking Orbiter 1 / 75-075A-03C

DUMP OF TAPE KM2008

INPUT TAPE KM2008 ON HTI
DATA INPUT H9 NF=5 SR=2=1=1 SR=5=1=1

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

FILE 2 RECORD 1 LENGTH 9788BYTES

(0)	3[illegible]3537	43435344	315A3030	302C3031	303C303C	303C303C	4E4A5C4C	31563030	50445331	30303034
(40)	37353031	203D2053	4644555F	4C414245	4C303030	34303034	384F424A	45435420	20202020	20202020
(80)	20202020	20202020	20202020	20202020	203D2056	4F4C554D	455F5345	54303036	31204441	54415F53
(120)	45545F49	44202020	20202020	20202020	20202020	20202020	203D2022	564F312F	564F322D	4D2D4D41
(160)	57442034	2D56312E	30223030	34322040	45444941	5F545950	45202020	20202020	20202020	20202020
(200)	20202020	20203D20	54415045	30303339	20544150	45532020	20202020	20202020	20202020	20202020
(240)	20202020	20202020	3D203730	30363820	4E4F5445	20202020	20202020	20202020	20202020	20202020
(280)	20202020	20202030	20225468	69732064	61746120	73657420	636F6E73	69737473	206F6620	74686530
(320)	30373972	61737465	722D6176	65726167	65642072	51646961	6E742069	6E74656E	73697469	65732061
(360)	6E642061	73736F63	69617465	64206461	74612070	6172616D	65746572	73207072	6F647563	65643030
(400)	38316672	6F6D2064	61746120	61637175	69726564	20627920	74686520	4D617273	20417460	6F737068
(440)	65726963	20576174	65722044	65746563	746F7273	20284D41	57442920	6F6E626F	6172642C	74686530
(480)	30383156	696B696E	67204F72	62697465	72732E20	20546865	20626173	6963206F	62736572	76617469
(520)	6F6E7320	67697665	20746564	706F7261	6C20636F	76657261	67652073	70616E6E	696E6720	6A757374
(560)	3030[illegible]739	6F766572	20747761	206D6172	7469616E	20796561	72732061	6E642076	61726561	626C652C
(600)	20627574	20657874	656E7369	76652C20	73736174	69616C20	636F7665	72616765	206F6620	74686530
(640)	30313270	6C616E65	742E2230	30303520	30343520	4F424A45	43542020	20202020	20202020	20202020
(680)	20202020	20202020	20202020	3D20564F	4C554D45	30303435	20204E41	4D452020	20202020	20202020
(720)	20202020	20202020	20202020	20202020	203D2040	41574430	34303034	3320204D	45444541	5F545950
(760)	45202020	20202020	20202020	20202020	20202020	20203D20	54415045	30303433	20205441	50455F44
(800)	454E5349	54592020	20202020	20202020	20202020	20202020	203D2031	36303030	30343020	20544150
(840)	45532020	20202020	20202020	20202020	20202020	20202020	20203730	30343020	20534551	
(880)	53454E43	455F4E55	4D424552	20202020	20202020	20202020	20202020	3D203430	30343320	2050524F
(920)	43455353	5F4E414D	45202020	20202020	20202020	20202020	20202020	3D20434F	50593030	34332020
(960)	464F5240	41542020	20202020	20202020	20202020	20202020	20202020	2020203D	20414E53	49303034
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        FILE    INPUT     DATA RECORDS     MAX.          READ ERROR SUMMARY          INPUT RETRIES
                RECS.        INPUT         SIZE       PERM  ZERO B   SHORT  UNDEF.  #RECS.  TOTAL#
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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

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$EXE TPDUMP BS

                                DUMP OF TAPE KM2014                                    D79963 - V02

 INPUT TAPE  KM2014  ON  MT0
 DATA INPUT    H9 NF=5 SR=2=1=1 SR=5=1=1

          FILE    INPT      DATA RECORDS      MAX.          READ ERROR SUMMARY          INPUT RETRIES
                  RECS.       INPUT           SIZE     PERM  ZERO S  SHORT  UNDEF.  #RECS.  TOTAL#
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(  8920)  363 2020  392E3232  20272020  20343938  20202020  20343639  20202020  20343134  20202020  20343930
(  8960)  20202020  20343332  20203130  30333720  2D332E30  30202020  312E3120  20202030  2E202032  302E3538
(  9000)  20203020  20313032  33372056  4F322020  20333036  20203230  39393435  36363420  3238362E  30362031
(  9040)  31342E31  30202031  20333036  31343020  20204E50  204C492F  4C492020  20202020  20202020  20202020
(  9080)  20202020  20202020  20202020  20203936  20383433  30313433  33322020  20203339  20203536  2E343420
(  9120)  2032312E  34362020  20323731  35202038  372E3834  20203437  2E343520  3133342E  31382020  33363020
(  9160)  2E352E32  32202020  20203439  36202020  20203532  37202020  20203437  38202020  20203530  33202020
(  9200)  20203532  38202031  30303337  202D332E  30302020  2020302E  20202020  302E2020  32302E35  39202030
(  9240)  20203130  32333720  564F3220  20203330  36202032  30393934  35363634  20323836  2E303620  31313420
(  9280)  31302020  31203330  36313430  2020204E  50204C49  2F4C4920  20202020  20202020  20202020  20202020
(  9320)  20202020  20202020  20202039  36203834  33303134  33333220  20202034  30202035  362E3131  20203231
(  9360)  2E343120  20203237  31352020  38372E34  35202034  372E3435  20313334  2E313820  20333630  2020392E
(  9400)  33322020  20202035  35312020  20202035  32352020  20202034  39352020  20202035  37342020  20202035
(  9440)  33392020  31303033  372D2033  2E303020  20202030  2E202020  20302E20  2032302E  35392020  30202031
(  9480)  38323337  20564F32  20242033  30362020  32303939  34353636  34203238  362E3036  20313134  2E313020
(  9520)  20312033  30363134  30202020  4E50204C  492F4C49  20202020  20202020  20202020  20202020  20202020
(  9560)  20202020  20202020  20202039  36203834  33303134  33333220  20202020  34312020  35352E37  35202032  312E3333
(  9600)  20262032  37383420  2038372E  30362020  34372E38  34203133  342E3138  20203336  30202039  2E333220
(  9640)  20242020  35303120  20272020  35373320  20202020  35333120  20202020  35393120  20202020  35313720
(  9680)  20203936  3234202D  332E3030  20202030  2E352020  2020302E  20203230  2E363020  20202020  315E5E5E
(  9720)  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E
(  9760)  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E  5E5E5E5E

        FILE    INPUT      DATA RECORDS      MAX.          READ ERROR SUMMARY          INPUT RETRIES
                RECS.        INPUT           SIZE      PERM  ZERO B   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

$$
```