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**LANDSAT 1
CUMULATIVE
U.S. STANDARD CATALOG
1976/1977**

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INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI EROS Data Center.

U. S. Department of Agriculture

Aerial Photography Field Office
2505 Parley's Way
Salt Lake City, Utah 84109

U. S. Department of Commerce
National Oceanic and Atmospheric
Administration

Environment Data Service
Satellite Data Service Branch
D543
World Weather Building
Room 606
Washington, D. C. 20233

U. S. Department of the Interior
Geological Survey :

User Services Unit
EROS Data Center
Sioux Falls, South Dakota 57198

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SECTION 1 -- STANDARD CATALOG

1.1 MONTHLY CATALOGS

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1, A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1, B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1, C) provides a computer listing of observations organized by longitude/latitude.

- A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.
 1. U.S. Satellite Coverage Maps. Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
 2. Non-U.S. Satellite Coverage Map. A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.
- B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

1. Sample Observation ID Format. See Figure 1-1.

(4) OBSERVATION ID	(5) MICROFILM ROLL NO / POSITION IN ROLL RBV MSS	(6) DATE ACQUIRED	(7) CLOUD COVER %	(8) ORBIT NUMBER	(9) PRINCIPAL POINT OF IMAGE LAT LONG.	(10) SUN ELEV AZIM	(11) IMAGE QUALITY RBV MSS
1943-16381	00000/0000 1-10034/0565	02/21/75	100	3149	4728N 09815W	25 3 144 8	GGGG
1943-16383	00000/0000 1-10034/0566	02/21/75	100	3149	4603N 09849W	26 3 143 9	GGG
1943-16390	00000/0000 1-10034/0567	02/21/75	100	3149	4438N 09923W	27 2 143 0	GGG
1943-16392	00000/0000 1-10034/0568	02/21/75	70	3149	4313N 09955W	28 2 142 1	GGG I
1943-16395	00000/0000 1-10034/0569	02/21/75	40	3149	4147N 10026W	29 1 141 2	GGG
1944-16432	00000/0000 1-10034/0606	02/22/75	40	3163	4854N 09903W	24 7 145 5	GGGG
1944-16435	00000/0000 1-10034/0607	02/22/75	90	3163	4730N 09939W	25 6 144 6	GGGG
1944-16441	00000/0000 1-10034/0608	02/22/75	30	3163	4605N 10014W	26 6 143 8	GGGG

(1) 20 53 APR 04 75

(2) FROM 02/01/75 TO 02/28/75

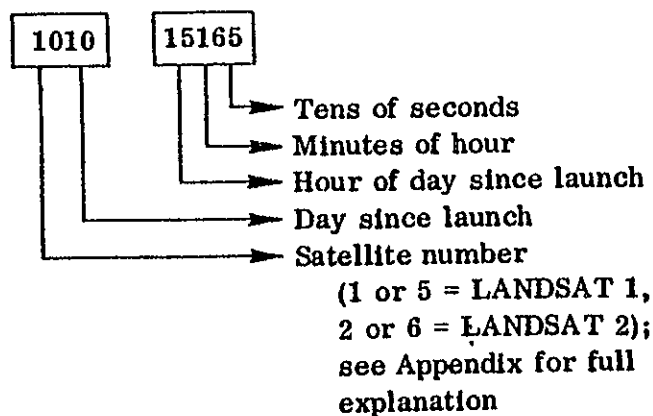
(3) KEY
 CLOUD COVER
 ● 0 TO 100 = % OF CLOUD COVER
 ● ** NO CLOUD DATA AVAILABLE

IMAGE QUALITY
 ● BLANK = BAND NOT PRESENT/ROLL/STLD
 ● G = GOOD P = POOR I = FAIR

Figure 1-1. Observation ID Listing for Standard Catalog

2. Description of Data Items

- (1) Date of catalog listing
- (2) Period during which imagery was processed
- (3) Data quality
- (4) Observation ID



- (5) RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- (6) Date of observation
- (7) Estimated percent of cloud cover
- (8) Orbit number
- (9) Latitude and longitude at observation center (degrees and minutes)
- (10) Sun elevation and azimuth at observation center
- (11) Image quality; see key

C. Longitude/Latitude Listing. The data format for the longitude/latitude listing is identical in the U.S. and Non-U.S. Catalogs. This listing contains the same observations as the observation ID listing but organizes them by coordinates, using image center location information for each observation. Observations in this listing will be sorted first by longitude and, within longitude, by latitude. The longitude/latitude listing is arranged in the following manner:

180-0 degrees East; 90-0 degrees North and 0-90 degrees South
 followed by
 0-180 degrees West; 90-0 degrees North and 0-90 degrees South

This listing is intended to be used as a tool for locating specific coverage, and once a specific observation has been identified, pertinent information about it can be found by referring to the ID listing.

Figure 1-2 below shows a sample catalog page with a description of each data item.

1. Sample Longitude/Latitude Format. See Figure 1-2.

① 11 APR 75				② FROM 02 01 75 TO 0220 75										
③		④	⑤	③		④	⑤	⑥	⑦	⑧				
PRINCIPAL PT OF IMAGE	LONG	LAT	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT OF IMAGE	LONG	LAT	OBSERVATION ID	CC	QUALITY RBY MSS			
12350W	3660E	1940-0074	80	0111	1545W	2855N	1971-0115	0	0111	12512W	4436N	1975-0130	00	0111
12352W	4027N	1941-0120	00	0111	1545W	4601N	1975-0154	00	0111	15512W	4022N	1976-0103	50	0111
12352W	4020N	1925-0125	00	0111	1547W	4147N	1974-0101	00	0111	13577W	4728N	1926-0125	40	0111
15401W	4726N	1925-0121	00	0111	1549W	3706N	1941-0155	00	0111	15345W	4341N	1975-0123	00	0111
12416W	4113N	1974-0131	70	0111	1549W	3798N	1975-0133	70	0111	12546W	3657N	1924-0150	00	0111
12421W	3901N	1941-0121	00	0111	12451W	2855N	1926-0173	00	0111	15602W	4603N	1926-0152	70	0111

③ KEY
 CLOUD COVER
 0 TO 100 OF CLOUD COVER
 * NO CLOUD DATA AVAILABLE

IMAGE QUALITY
 * BLANK - BAND NOT PRESENT IDENTIFIED
 01 - GOOD P - POOR F - FAIR

Figure 1-2. Coordinate Listing for Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Longitude and latitude at observation center (degrees and minutes)
- ④ Observation ID (see Fig. 1-1,; Para. 1.1, B, 2)
- ⑤ Estimated percent of cloud cover
- ⑥ Image quality; see key
- ⑦ Data quality

1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPF during that year.

A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.
2. Description of Data Items. See Paragraph 1.1, B, 2.

B. Coordinate ID Listing. The coordinate ID listing format is expanded to identify observations for which color or digital products have been made.

1. Sample Coordinate ID Format. See Figure 1-3.

⑨		① 15.36 MAR 11, '74		⑤		⑥	⑦	② FROM 07/23/72 TO 07/23/74		⑩	⑪	⑫						
PRINCIPAL POINT OF IMAGE		OBSERVATION ID		MICROFILM ROLL NO / POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE QUALITY		PRODUCTS					
LONG	LAT			RBV	MSS						RBV 123	MSS 45678	B C	P C	P D	B C	P D	
07607W	3734N	1295-15144		00000/0000	10010/1659	05/14/73	20	4112	60.2	122.0		GGGG						M
07607W	3731N	1259-15150		00000/0000	10010/0088	04/08/73	90	3610	50.7	133.2		GGGG						M
07607W	3731N	1313-15143		00000/0000	10011/0920	06/01/73	80	4363	62.3	116.2		GGGG						M
07608W	4438N	1027-15231		00000/0000	1-10001/1498	08/19/72	0	375	50.9	136.9		GGGG		M				M
07608W	3731N	1331-15142		00000/0000	1-10011/1589	06/19/73	100	4614	62.4	112.8		GGGG						M
07608W	3724N	1349-15141		00000/0000	1-10012/1387	07/07/73	10	4865	61.2	112.9		PGPP		M				M
07609W	4851N	1352-15275		00000/0000	1-10012/1622	07/10/73	60	4907	56.7	133.9		G						
07609W	3144N	1006-15093		1-10001/0377	1-10001/0378	07/29/72	100	82	59.7	108.3	GGG	PPGG						

③ KEY

CLOUD COVER -
● 0 TO 100 = % OF CLOUD COVER

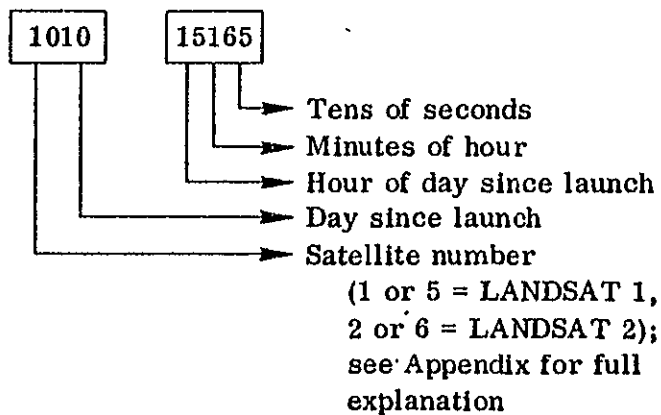
IMAGE QUALITY
● BLANK = BAND NOT PRESENT/REQUESTED
● G = GOOD P = POOR F = FAIR

PRODUCTS ALREADY MADE
● R = MADE FROM RBV M = MADE FROM MSS
B = MADE FROM RBV AND MSS

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key
- ⑫ Image/data product availability; see key

2.1 GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U.S. and Non-U.S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.580 - 0.680 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

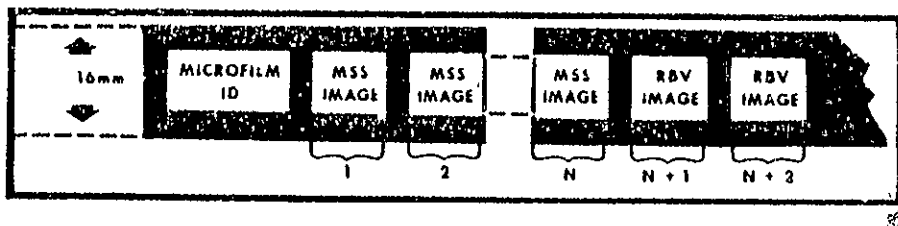


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1- = LANDSAT 1, 2- = LANDSAT 2). Example: Roll number 10032 and roll number 1-10034 are both LANDSAT 1 rolls. Roll 2-10032 is a LANDSAT 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 10001 is the first U.S. roll of microfilm produced for LANDSAT 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for LANDSAT 1. The first U.S. roll of microfilm for LANDSAT 2 is number 2-10001.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- Code Line Indexing
- Blip Encoding

2.2 CODE LINE INDEXING

The Landsat microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

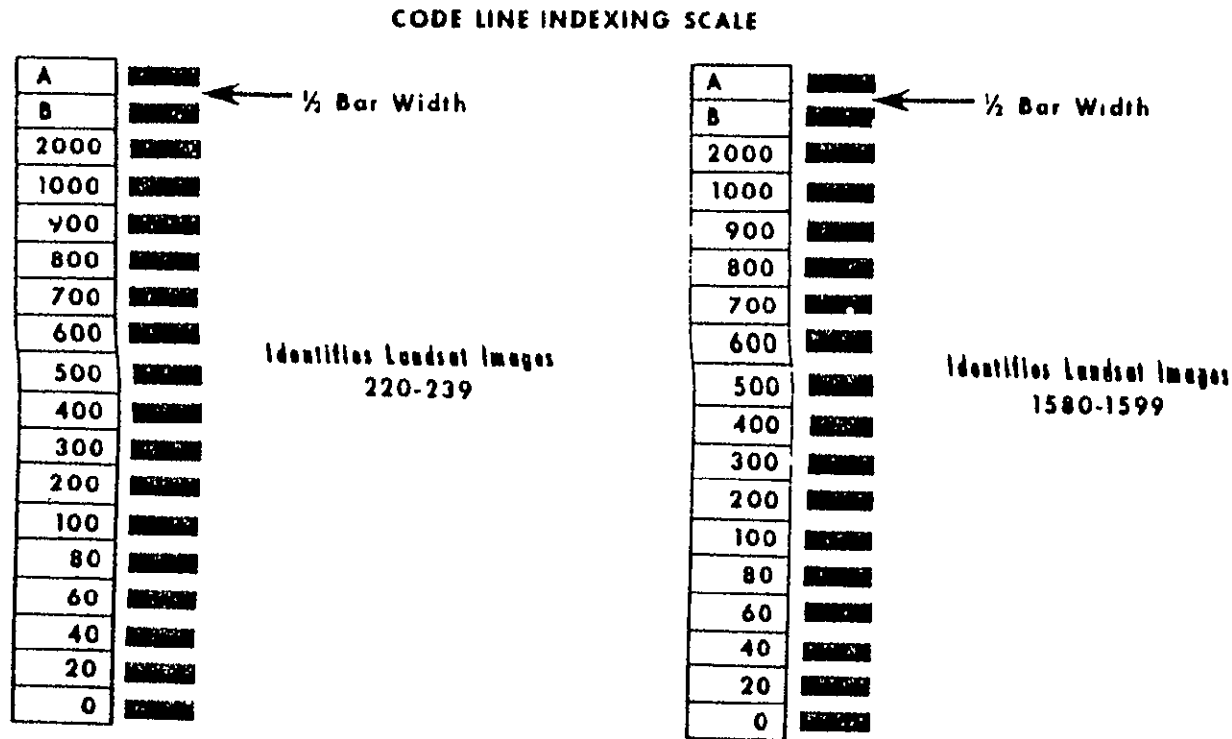


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. Landsat imagery is microfilmed at a reduction ratio of 8.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4 mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, multiply 0.24 mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

2.3 BLIP ENCODING

The LANDSAT microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 — CYCLE CHARTS
SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	314	16 May 73	2 Jun 73
2	27	44	19 Aug 72	5 Sep 72	18	315	332	3 Jun 73	20 Jun 73
3	45	62	6 Sep 72	23 Sep 72	19	333	350	21 Jun 73	8 Jul 73
4	63	80	24 Sep 72	11 Oct 72	20	351	368	9 Jul 73	26 Jul 73
5	81	98	12 Oct 72	29 Oct 72	21	369	386	27 Jul 73	13 Aug 73
6	99	116	30 Oct 72	16 Nov 72	22	387	404	14 Aug 73	31 Aug 73
7	117	134	17 Nov 72	4 Dec 72	23	405	422	1 Sep 73	18 Sep 73
8	135	152	5 Dec 72	22 Dec 72	24	423	440	19 Sep 73	6 Oct 73
9	153	170	23 Dec 72	9 Jan 73	25	441	458	7 Oct 73	24 Oct 73
10	171	188	10 Jan 73	27 Jan 73	26	459	476	25 Oct 73	11 Nov 73
11	189	206	28 Jan 73	14 Feb 73	27	477	494	12 Nov 73	29 Nov 73
12	207	224	15 Feb 73	4 Mar 73	28	495	512	30 Nov 73	17 Dec 73
13	225	242	5 Mar 73	22 Mar 73	29	513	530	18 Dec 73	4 Jan 74
14	243	260	23 Mar 73	9 Apr 73	30	531	548	5 Jan 74	22 Jan 74
15	261	278	10 Apr 73	27 Apr 73	31	549	566	23 Jan 74	9 Feb 74

SECTION 3.1 -- LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
32	567	584	10 Feb 74	27 Feb 74	48	855	872	25 Nov 74	12 Dec 74
33	585	602	28 Feb 74	17 Mar 74	49	873	890	13 Dec 74	30 Dec 74
34	603	620	18 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	31 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	8 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1089	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	8 Sep 75

SECTION 3.1 -- LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	1322	18 Feb 76	6 Mar 76	89	1593	1610	2 Dec 76	19 Dec 76
74	1323	1340	7 Mar 76	24 Mar 76	90	1611	1628	20 Dec 76	6 Jan 77
75	1341	1358	25 Mar 76	11 Apr 76	91	1629	1646	7 Jan 77	24 Jan 77
76	1359	1376	12 Apr 76	29 Apr 76	92	1647	1664	25 Jan 77	11 Feb 77
77	1377	1394	30 Apr 76	17 May 76	93	1665	1682	12 Feb 77	1 Mar 77
78	1395	1412	18 May 76	4 Jun 76	94	1683	1700	2 Mar 77	19 Mar 77
79	1413	1430	5 Jun 76	22 Jun 76	95	1701	1718	20 Mar 77	6 Apr 77

SECTION 3.2 - LANDSAT 2 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 22 days	1	27	22 Jan 75	13 Feb 75	19	347	364	4 Jan 76	21 Jan 76
1	23	40	14 Feb 75	3 Mar 75	20	365	382	22 Jan 76	8 Feb 76
2	41	58	4 Mar 75	21 Mar 75	21	383	400	9 Feb 76	26 Feb 76
3	59	76	22 Mar 75	8 Apr 75	22	401	418	27 Feb 76	15 Mar 76
4	77	94	9 Apr 75	26 Apr 75	23	419	436	16 Mar 76	2 Apr 76
5	95	112	27 Apr 75	14 May 75	24	437	454	3 Apr 76	20 Apr 76
6	113	130	15 May 75	1 Jun 75	25	455	472	21 Apr 76	8 May 76
7	131	148	2 Jun 75	19 Jun 75	26	473	490	9 May 76	26 May 76
8	149	188	20 Jun 75	7 Jul 75	27	491	508	27 May 76	13 Jun 76
9	167	184	8 Jul 75	25 Jul 75	28	509	526	14 Jun 76	1 Jul 76
10	185	202	26 Jul 75	12 Aug 75	29	527	544	2 Jul 76	19 Jul 76
11	203	220	13 Aug 75	30 Aug 75	30	545	562	20 Jul 76	6 Aug 76
12	221	238	31 Aug 75	17 Sep 75	31	563	580	7 Aug 76	24 Aug 76
13	239	256	18 Sep 75	5 Oct 75	32	581	598	25 Aug 76	11 Sep 76
14	257	274	6 Oct 75	23 Oct 75	33	599	616	12 Sep 76	29 Sep 76
15	275	292	24 Oct 75	10 Nov 75	34	617	634	30 Sep 76	17 Oct 76
16	293	310	11 Nov 75	28 Nov 75	35	635	652	18 Oct 76	4 Nov 76
17	311	328	29 Nov 75	16 Dec 75	36	653	670	5 Nov 76	22 Nov 76
18	329	346	17 Dec 75	3 Jan 76	37	671	688	23 Nov 76	10 Dec 76

OBSERVATION ID LISTING

07:00 OCT 15, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0001

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5461-13595	00000/0000	1-10052/0046	07/23/76	20	0371	4726N	06650W	48.6	118.2		FGGG			11	27
5461-14002	00000/0000	1-10052/0047	07/23/76	10	0371	4601N	06725W	49.0	116.3		GGGG			11	28
5461-14004	00000/0000	1-10052/0048	07/23/76	0	0371	4435N	06757W	49.3	114.3		GGGG			11	29
5461-14011	00000/0000	1-10052/0049	07/23/76	0	0371	4310N	06828W	49.6	112.3		FGGG			11	30
5461-14013	00000/0000	1-10052/0050	07/23/76	30	0371	4146N	06858W	49.8	110.3		FGGG			11	31
5461-14020	00000/0000	1-10052/0051	07/23/76	80	0371	4022N	06927W	50.0	108.4		GGGG			11	32
5461-15424	00000/0000	1-10051/0644	07/23/76	20	0372	4855N	09202W	48.2	120.2		GGGG			29	26
5461-15431	00000/0000	1-10051/0645	07/23/76	10	0372	4729N	09238W	48.6	118.3		GGGG			29	27
5461-15433	00000/0000	1-10051/0646	07/23/76	10	0372	4604N	09313W	49.0	116.3		GGGG			29	28
5461-15440	00000/0000	1-10051/0647	07/23/76	20	0372	4439N	09346W	49.3	114.4		GGGG			29	29
5461-15442	00000/0000	1-10051/0648	07/23/76	10	0372	4314N	09418W	49.6	112.4		GGGG			29	30
5461-15445	00000/0000	1-10051/0649	07/23/76	10	0372	4148N	09449W	49.8	110.4		GGGG			29	31
5461-15451	00000/0000	1-10051/0650	07/23/76	20	0372	4023N	09519W	50.0	108.5		GGGG			29	32
5461-15454	00000/0000	1-10051/0651	07/23/76	0	0372	3857N	09547W	50.1	106.5		GGGG			29	33
5461-15460	00000/0000	1-10051/0652	07/23/76	10	0372	3732N	09615W	50.2	104.5		GGGG			29	34
5461-15463	00000/0000	1-10051/0653	07/23/76	10	0372	3607N	09642W	50.3	102.5		GGGG			29	35
5461-15465	00000/0000	1-10051/0654	07/23/76	20	0372	3441N	09708W	50.3	100.6		GGGG			29	36
5461-15474	00000/0000	1-10051/0655	07/23/76	30	0372	3149N	09755W	50.2	96.7		GGGG			29	38
5461-17260	00000/0000	1-10052/0052	07/23/76	10	0373	4854N	11753W	48.2	120.2		GGGG			47	26
5461-17263	00000/0000	1-10052/0053	07/23/76	10	0373	4729N	11828W	48.6	118.3		GGGG			47	27
5461-17265	00000/0000	1-10052/0054	07/23/76	30	0373	4603N	11902W	49.0	116.3		GGGG			47	28
5461-17272	00000/0000	1-10052/0055	07/23/76	40	0373	4437N	11936W	49.3	114.4		GGGG			47	29
5461-17274	00000/0000	1-10052/0056	07/23/76	90	0373	4312N	12008W	49.6	112.4		GGGG			47	30
5461-17281	00000/0000	1-10052/0057	07/23/76	90	0373	4147N	12038W	49.8	110.4		GGGG			47	31
5461-17283	00000/0000	1-10052/0058	07/23/76	50	0373	4022N	12108W	50.0	108.4		FGGG			47	32
5461-17290	00000/0000	1-10052/0059	07/23/76	20	0373	3857N	12137W	50.1	106.5		GGGG			47	33
5461-17292	00000/0000	1-10052/0060	07/23/76	40	0373	3732N	12206W	50.2	104.5		GGGG			47	34
5461-17295	00000/0000	1-10052/0061	07/23/76	90	0373	3607N	12234W	50.3	102.5		GGGG			47	35
5461-17301	00000/0000	1-10052/0062	07/23/76	80	0373	3441N	12300W	50.3	100.6		GGGF			47	36
5462-15482	00000/0000	1-10051/0656	07/24/76	50	0386	4852N	09329W	48.0	120.4		GGGG			30	26
5462-15485	00000/0000	1-10051/0657	07/24/76	10	0386	4728N	09405W	48.4	118.4		GGGG			30	27
5462-15491	00000/0000	1-10051/0658	07/24/76	0	0386	4603N	09440W	48.8	116.5		GGGG			30	28
5462-15494	00000/0000	1-10051/0659	07/24/76	0	0386	4438N	09513W	49.1	114.5		GFGG			30	29
5462-15500	00000/0000	1-10051/0660	07/24/76	0	0386	4312N	09546W	49.4	112.6		GFGG			30	30
5462-15503	00000/0000	1-10051/0661	07/24/76	10	0386	4147N	09617W	49.6	110.6		GGGG			30	31
5462-15505	00000/0000	1-10051/0662	07/24/76	10	0386	4021N	09646W	49.8	108.6		GGGG			30	32

KEYS: CLOUD COVER x 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5462-15512	00000/0000	1-10051/0663	07/24/76	10	0386	3856N	09715W	50.0	106.7		GGGG			30	33
5462-15514	00000/0000	1-10051/0664	07/24/76	10	0386	3730N	09743W	50.1	104.7		GGGG			30	34
5462-15521	00000/0000	1-10051/0665	07/24/76	0	0386	3605N	09809W	50.2	102.8		GGGG			30	35
5462-15523	00000/0000	1-10051/0666	07/24/76	10	0386	3438N	09835W	50.2	100.8		GGGG			30	36
5462-15530	00000/0000	1-10051/0667	07/24/76	10	0386	3311N	09901W	50.2	98.9		GGGG			30	37
5462-15532	00000/0000	1-10051/0668	07/24/76	30	0386	3144N	09926W	50.1	97.0		GGGG			30	38
5462-17314	00000/0000	1-10052/0137	07/24/76	60	0387	4854N	11917W	48.0	120.4		GGGG			48	26
5462-17320	00000/0000	1-10052/0138	07/24/76	70	0387	4729N	11953W	48.4	118.5		GGGG			48	27
5462-17323	00000/0000	1-10052/0139	07/24/76	30	0387	4604N	12028W	48.8	116.5		GGGG			48	28
5462-17325	00000/0000	1-10052/0140	07/24/76	10	0387	4439N	12101W	49.1	114.6		GGGF			48	29
5462-17332	00000/0000	1-10052/0141	07/24/76	10	0387	4314N	12133W	49.4	112.6		GGGG			48	30
5462-17334	00000/0000	1-10052/0142	07/24/76	10	0387	4148N	12205W	49.6	110.7		GGGG			48	31
5462-17341	00000/0000	1-10052/0143	07/24/76	10	0387	4023N	12234W	49.8	108.7		GGGG			48	32
5462-17343	00000/0000	1-10052/0144	07/24/76	30	0387	3857N	12303W	50.0	106.7		GGGG			48	33
5462-17350	00000/0000	1-10052/0145	07/24/76	90	0387	3731N	12331W	50.1	104.8		GGGG			48	34
5462-17352	00000/0000	1-10052/0146	07/24/76	90	0387	3605N	12358W	50.2	102.8		GGGG			48	35
5463-15540	00000/0000	1-10052/0032	07/25/76	50	0400	4852N	09455W	47.8	120.6		GGGG			31	26
5463-15543	00000/0000	1-10052/0033	07/25/76	30	0400	4726N	09531W	48.2	118.6		FGGG			31	27
5463-15545	00000/0000	1-10052/0034	07/25/76	20	0400	4601N	09605W	48.6	116.7		GGGG			31	28
5463-15552	00000/0000	1-10052/0035	07/25/76	0	0400	4436N	09639W	48.9	114.8		GGGG			31	29
5463-15554	00000/0000	1-10052/0036	07/25/76	10	0400	4312N	09711W	49.2	112.8		GGGG			31	30
5463-15561	00000/0000	1-10052/0037	07/25/76	10	0400	4147N	09741W	49.5	110.9		GGGG			31	31
5463-15563	00000/0000	1-10052/0038	07/25/76	0	0400	4022N	09811W	49.7	108.9		FGGG			31	32
5463-15570	00000/0000	1-10052/0039	07/25/76	10	0400	3857N	09840W	49.8	106.9		GGGG			31	33
5463-15572	00000/0000	1-10052/0040	07/25/76	10	0400	3731N	09908W	50.0	105.0		GGGG			31	34
5463-15575	00000/0000	1-10052/0041	07/25/76	10	0400	3605N	09934W	50.0	103.1		GGGG			31	35
5463-15581	00000/0000	1-10052/0042	07/25/76	10	0400	3439N	10000W	50.1	101.1		GGGG			31	36
5463-15584	00000/0000	1-10052/0043	07/25/76	10	0400	3313N	10025W	50.1	99.2		GGGG			31	37
5463-17372	00000/0000	1-10052/0063	07/25/76	0	0401	4852N	12044W	47.8	120.5		GGGG			49	26
5463-17374	00000/0000	1-10052/0064	07/25/76	0	0401	4727N	12120W	48.2	118.6		GGGG			49	27
5463-17381	00000/0000	1-10052/0065	07/25/76	0	0401	4602N	12155W	48.6	116.7		GGGG			49	28
5463-17383	00000/0000	1-10052/0066	07/25/76	0	0401	4437N	12228W	48.9	114.7		GGGG			49	29
5463-17390	00000/0000	1-10052/0067	07/25/76	10	0401	4312N	12259W	49.2	112.8		GGGG			49	30
5463-17392	00000/0000	1-10052/0068	07/25/76	20	0401	4146N	12330W	49.5	110.8		GGGG			49	31
5463-17395	00000/0000	1-10052/0069	07/25/76	40	0401	4021N	12400W	49.7	108.9		FGGG			49	32
5463-17401	00000/0000	1-10052/0070	07/25/76	90	0401	3854N	12429W	49.8	106.9		GGGG			49	33

KEYS: CLOUD COVER X 0 TO 100 = X CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5464-14172	00000/0000	1-10052/0111	07/26/76	90	0413	4604N	07143W	48.4	116.9	GGGG				14	28
5464-14174	00000/0000	1-10052/0112	07/26/76	40	0413	4437N	07216W	48.8	115.0	GGGG				14	29
5464-14181	00000/0000	1-10052/0113	07/26/76	10	0413	4313N	07248W	49.1	113.1	GGGG				14	30
5464-14183	00000/0000	1-10052/0114	07/26/76	10	0413	4149N	07318W	49.3	111.1	GGGG				14	31
5464-14190	00000/0000	1-10052/0115	07/26/76	10	0413	4025N	07347W	49.5	109.2	GGGG				14	32
5464-14201	00000/0000	1-10052/0116	07/26/76	10	0413	3605N	07511W	49.9	103.3	GGGG				14	35
5464-14204	00000/0000	1-10052/0117	07/26/76	10	0413	3438N	07537W	49.9	101.4	GGGG				14	36
5464-14210	00000/0000	1-10052/0118	07/26/76	20	0413	3312N	07603W	49.9	99.5	GGGG				14	37
5464-14213	00000/0000	1-10052/0119	07/26/76	30	0413	3147N	07628W	49.9	97.6	GGGG				14	38
5464-14215	00000/0000	1-10052/0120	07/26/76	70	0413	3022N	07652W	49.8	95.7	GGGG				14	39
5464-14222	00000/0000	1-10052/0121	07/26/76	40	0413	2857N	07717W	49.7	93.8	GGGG				14	40
5464-14224	00000/0000	1-10052/0122	07/26/76	30	0413	2732N	07741W	49.5	92.0	GGGG				14	41
5464-16003	00000/0000	1-10052/0098	07/26/76	10	0414	4605N	09731W	48.4	116.9	GGGG				32	28
5464-16010	00000/0000	1-10052/0099	07/26/76	10	0414	4440N	09804W	48.8	115.0	GGGG				32	29
5464-16012	00000/0000	1-10052/0100	07/26/76	20	0414	4315N	09837W	49.1	113.1	GGGG				32	30
5464-16015	00000/0000	1-10052/0101	07/26/76	40	0414	4149N	09907W	49.3	111.1	GGGG				32	31
5464-16021	00000/0000	1-10052/0102	07/26/76	50	0414	4022N	09937W	49.5	109.2	GGGG				32	32
5464-16024	00000/0000	1-10052/0103	07/26/76	20	0414	3856N	10006W	49.7	107.2	GGGG				32	33
5464-16030	00000/0000	1-10052/0104	07/26/76	10	0414	3730N	10034W	49.8	105.3	GGGG				32	34
5464-16033	00000/0000	1-10052/0105	07/26/76	10	0414	3604N	10101W	49.9	103.3	GGGG				32	35
5464-16035	00000/0000	1-10052/0106	07/26/76	10	0414	3439N	10128W	49.9	101.4	GGGG				32	36
5464-16042	00000/0000	1-10052/0107	07/26/76	10	0414	3314N	10153W	49.9	99.5	GGGG				32	37
5464-16044	00000/0000	1-10052/0108	07/26/76	10	0414	3149N	10217W	49.9	97.6	GGGG				32	38
5464-16051	00000/0000	1-10052/0109	07/26/76	10	0414	3024N	10241W	49.8	95.7	GGGG				32	39
5464-16053	00000/0000	1-10052/0110	07/26/76	10	0414	2859N	10304W	49.6	93.9	GGGG				32	40
5465-14232	00000/0000	1-10052/0151	07/27/76	90	0427	4436N	07342W	48.6	115.1	GGGG				15	29
5465-14235	00000/0000	1-10052/0152	07/27/76	80	0427	4310N	07414W	48.9	113.2	GGGG				15	30
5465-14241	00000/0000	1-10052/0157	07/27/76	70	0427	4145N	07445W	49.2	111.3	GG				15	31
5465-14244	00000/0000	1-10052/0153	07/27/76	40	0427	4019N	07514W	49.4	109.4	FGGG			H	15	32
5465-14250	00000/0000	1-10052/0154	07/27/76	20	0427	3854N	07542W	49.6	107.4	GGGG			H	15	33
5465-14253	00000/0000	1-10052/0158	07/27/76	20	0427	3730N	07610W	49.7	105.5	GG			H	15	34
5465-14255	00000/0000	1-10052/0155	07/27/76	40	0427	3605N	07637W	49.8	103.6	GGGG				15	35
5465-14262	00000/0000	1-10052/0156	07/27/76	80	0427	3439N	07704W	49.8	101.6	GGGG				15	36
5465-16055	00000/0000	1-10052/0084	07/27/76	60	0428	4730N	09823W	47.9	119.1	GGGG				33	27
5465-16061	00000/0000	1-10052/0085	07/27/76	80	0428	4605N	09857W	48.2	117.1	GGGG				33	28
5465-16064	00000/0000	1-10052/0086	07/27/76	90	0428	4439N	09930W	48.6	115.2	GGGG				33	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0004

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS 123 45678				
5465-16070	00000/0000	1-10052/0087	07/27/76	50	0428	4314N	10002W	48.9	113.3		GGGG			33	30
5465-16075	00000/0000	1-10052/0088	07/27/76	30	0428	4024N	10102W	49.4	109.4		GGGG			33	32
5465-16082	00000/0000	1-10052/0089	07/27/76	90	0428	3858N	10131W	49.5	107.5		GGGG			33	33
5465-16084	00000/0000	1-10052/0090	07/27/76	40	0428	3732N	10159W	49.7	105.6		GGGG			33	34
5465-16091	00000/0000	1-10052/0091	07/27/76	30	0428	3607N	10226W	49.8	103.6		GGGG			33	35
5465-16093	00000/0000	1-10052/0092	07/27/76	10	0428	3441N	10252W	49.8	101.7		GGGG			33	36
5465-16100	00000/0000	1-10052/0093	07/27/76	0	0428	3316N	10318W	49.8	99.8		GGGG			33	37
5465-16102	00000/0000	1-10052/0094	07/27/76	0	0428	3151N	10343W	49.8	97.9		GGGG			33	38
5465-16105	00000/0000	1-10052/0095	07/27/76	10	0428	3026N	10407W	49.7	96.0		GGGG			33	39
5465-16111	00000/0000	1-10052/0096	07/27/76	10	0428	2859N	10430W	49.5	94.2		GGGG			33	40
5465-16114	00000/0000	1-10052/0097	07/27/76	10	0428	2732N	10455W	49.4	92.4		GGGG			33	41
5465-17484	00000/0000	1-10052/0147	07/27/76	10	0429	4855N	12336W	47.4	121.0		GGGG			51	26
5465-17490	00000/0000	1-10052/0148	07/27/76	10	0429	4730N	12411W	47.9	119.0		GGGG			51	27
5465-17493	00000/0000	1-10052/0149	07/27/76	20	0429	4604N	12446W	48.2	117.1		GGGG			51	28
5465-17495	00000/0000	1-10052/0150	07/27/76	20	0429	4438N	12519W	48.6	115.2		GGGG			51	29
5466-16113	00000/0000	1-10052/0071	07/28/76	0	0442	4728N	09950W	47.7	119.2		GGGG			34	27
5466-16115	00000/0000	1-10052/0072	07/28/76	0	0442	4603N	10024W	48.1	117.3		GGGG			34	28
5466-16122	00000/0000	1-10052/0073	07/28/76	10	0442	4438N	10057W	48.4	115.4		GGGG			34	29
5466-16124	00000/0000	1-10052/0074	07/28/76	20	0442	4312N	10129W	48.7	113.5		GGGG			34	30
5466-16131	00000/0000	1-10052/0075	07/28/76	40	0442	4146N	10159W	49.0	111.6		GGGG			34	31
5466-16133	00000/0000	1-10052/0076	07/28/76	10	0442	4021N	10229W	49.2	109.6		GGGG			34	32
5466-16140	00000/0000	1-10052/0077	07/28/76	10	0442	3855N	10258W	49.4	107.7		GGGG			34	33
5466-16142	00000/0000	1-10052/0078	07/28/76	10	0442	3729N	10326W	49.5	105.8		GGGG			34	34
5466-16145	00000/0000	1-10052/0079	07/28/76	30	0442	3604N	10353W	49.6	103.9		GGGG			34	35
5466-16151	00000/0000	1-10052/0080	07/28/76	60	0442	3439N	10420W	49.7	102.0		GGGG			34	36
5466-16154	00000/0000	1-10052/0081	07/28/76	30	0442	3314N	10446W	49.7	100.1		GGGG			34	37
5466-16160	00000/0000	1-10052/0082	07/28/76	40	0442	3149N	10510W	49.6	98.2		GGGG			34	38
5466-16163	00000/0000	1-10052/0083	07/28/76	90	0442	3023N	10534W	49.6	96.3		GGGG			34	39
5467-14335	00000/0000	1-10052/0159	07/29/76	10	0455	4729N	07527W	47.5	119.4		GGGG			17	27
5467-14341	00000/0000	1-10052/0160	07/29/76	50	0455	4603N	07601W	47.9	117.5		GGGG			17	28
5467-14344	00000/0000	1-10052/0161	07/29/76	90	0455	4438N	07633W	48.2	115.6		GGGG			17	29
5467-14350	00000/0000	1-10052/0162	07/29/76	90	0455	4313N	07705W	48.6	113.7		GGGG			17	30
5467-16164	00000/0000	1-10052/0123	07/29/76	90	0456	4853N	10039W	47.1	121.3		GGGG			35	26
5467-16171	00000/0000	1-10052/0124	07/29/76	10	0456	4729N	10115W	47.5	119.4		GGGG			35	27
5467-16173	00000/0000	1-10052/0125	07/29/76	0	0456	4603N	10149W	47.9	117.5		GGGG			35	28
5467-16180	00000/0000	1-10052/0126	07/29/76	10	0456	4438N	10222W	48.2	115.6		GGGG			35	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5467-16182	00000/0000	1-10052/0127	07/29/76	10	0456	4312N	10254W	48.5	113.7		GGGG			35	30
5467-16185	00000/0000	1-10052/0128	07/29/76	10	0456	4147N	10325W	48.8	111.8		GGGG			35	31
5467-16191	00000/0000	1-10052/0129	07/29/76	10	0456	4021N	10354W	49.0	109.9		GGGG			35	32
5467-16194	00000/0000	1-10052/0130	07/29/76	10	0456	3855N	10423W	49.2	108.0		GGGG			35	33
5467-16200	00000/0000	1-10052/0131	07/29/76	10	0456	3728N	10452W	49.4	106.1		GGGG			35	34
5467-16203	00000/0000	1-10052/0132	07/29/76	10	0456	3603N	10519W	49.5	104.2		GGGG			35	35
5467-16205	00000/0000	1-10052/0133	07/29/76	10	0456	3437N	10545W	49.5	102.3		GGGG			35	36
5467-16212	00000/0000	1-10052/0134	07/29/76	10	0456	3312N	10610W	49.6	100.4		GGGG			35	37
5467-16214	00000/0000	1-10052/0135	07/29/76	10	0456	3147N	10635W	49.5	98.5		GGGG			35	38
5467-16221	00000/0000	1-10052/0136	07/29/76	10	0456	3023N	10659W	49.5	96.6		GGGG			35	39
5468-14425	00000/0000	1-10052/0163	07/30/76	40	0469	3606N	08056W	49.3	104.5		QFGG			18	35
5468-14431	00000/0000	1-10052/0164	07/30/76	10	0469	3440N	08121W	49.4	102.6		GGGG			18	36
5468-14434	00000/0000	1-10052/0165	07/30/76	10	0469	3315N	08146W	49.4	100.7		GGGG			18	37
5468-14440	00000/0000	1-10052/0166	07/30/76	30	0469	3149N	08211W	49.4	98.8		GGGG			18	38
5468-14443	00000/0000	1-10052/0167	07/30/76	30	0469	3022N	08236W	49.4	97.0		GGGG			18	39
5468-14445	00000/0000	1-10052/0171	07/30/76	60	0469	2855N	08259W	49.2	95.1		GG			18	40
5468-14452	00000/0000	1-10052/0168	07/30/76	70	0469	2728N	08323W	49.1	93.3		GGGG	H		18	41
5468-14454	00000/0000	1-10052/0169	07/30/76	20	0469	2602N	08346W	48.9	91.5		GGGG	H		18	42
5468-14461	00000/0000	1-10052/0170	07/30/76	20	0469	2435N	08408W	48.7	89.8		GGGG	H		18	43
5468-16224	00000/0000	1-10052/0172	07/30/76	90	0470	4726N	10241W	47.3	119.6		GGGG			36	27
5468-16231	00000/0000	1-10052/0173	07/30/76	90	0470	4601N	10316W	47.7	117.8		GGGG			36	28
5468-16233	00000/0000	1-10052/0174	07/30/76	80	0470	4436N	10349W	48.0	115.9		GGGG			36	29
5468-16240	00000/0000	1-10052/0175	07/30/76	40	0470	4311N	10421W	48.4	114.0		GGGG			36	30
5468-16242	00000/0000	1-10052/0176	07/30/76	70	0470	4146N	10451W	48.6	112.1		GGGG			36	31
5468-16245	00000/0000	1-10052/0177	07/30/76	40	0470	4020N	10521W	48.9	110.2		GGGG			36	32
5468-16251	00000/0000	1-10052/0178	07/30/76	20	0470	3854N	10550W	49.1	108.3		GGGG			36	33
5468-16254	00000/0000	1-10052/0179	07/30/76	10	0470	3728N	10618W	49.2	106.4		GGGG			36	34
5468-16260	00000/0000	1-10052/0180	07/30/76	10	0470	3602N	10644W	49.3	104.5		GGGG			36	35
5468-16263	00000/0000	1-10052/0181	07/30/76	10	0470	3436N	10710W	49.4	102.6		GGGG			36	36
5469-16305	00000/0000	1-10052/0182	07/31/76	10	0484	3857N	10716W	48.9	108.6		GGGG			37	33
5469-16312	00000/0000	1-10052/0183	07/31/76	30	0484	3730N	10743W	49.1	106.7		GGGG			37	34
5469-16314	00000/0000	1-10052/0184	07/31/76	30	0484	3604N	10810W	49.2	104.8		GGGG			37	35
5469-16321	00000/0000	1-10052/0185	07/31/76	30	0484	3437N	10837W	49.3	102.9		GGGG			37	36
5469-16323	00000/0000	1-10052/0186	07/31/76	10	0484	3312N	10903W	49.3	101.0		GGGG			37	37
5469-16330	00000/0000	1-10052/0187	07/31/76	20	0484	3147N	10928W	49.3	99.2		GGGG			37	38
5469-16332	00000/0000	1-10052/0188	07/31/76	70	0484	3023N	10952W	49.2	97.3		GGGG			37	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5470-14502	00000/0000	1-10052/0227	08/01/76	80	0497	4856N	07908W	46.5	122.0	GGGG				20	26
5470-14505	00000/0000	1-10052/0228	08/01/76	10	0497	4731N	07944W	46.9	120.1	GGGG				20	27
5470-14511	00000/0000	1-10052/0229	08/01/76	10	0497	4606N	08018W	47.3	118.3	GGGG				20	28
5470-14514	00000/0000	1-10052/0230	08/01/76	20	0497	4440N	08050W	47.7	116.4	GGGG				20	29
5470-14520	00000/0000	1-10052/0231	08/01/76	40	0497	4315N	08121W	48.0	114.5	GGGG				20	30
5470-14523	00000/0000	1-10052/0232	08/01/76	30	0497	4150N	08152W	48.3	112.7	GGGG				20	31
5470-14525	00000/0000	1-10052/0233	08/01/76	50	0497	4024N	08222W	48.5	110.8	GGGG				20	32
5470-14532	00000/0000	1-10052/0234	08/01/76	70	0497	3858N	08251W	48.8	108.9	GGGG				20	33
5470-14534	00000/0000	1-10052/0235	08/01/76	60	0497	3732N	08319W	48.9	107.0	GGGG				20	34
5470-14541	00000/0000	1-10052/0236	08/01/76	40	0497	3606N	08346W	49.0	105.1	GGGG				20	35
5470-14543	00000/0000	1-10052/0237	08/01/76	20	0497	3441N	08413W	49.1	103.3	GGGG				20	36
5470-14550	00000/0000	1-10052/0238	08/01/76	20	0497	3316N	08438W	49.2	101.4	GGGG				20	37
5470-14552	00000/0000	1-10052/0239	08/01/76	10	0497	3151N	08503W	49.2	99.5	GGGG				20	38
5470-14555	00000/0000	1-10052/0240	08/01/76	40	0497	3026N	08527W	49.1	97.7	GGGG				20	39
5470-16334	00000/0000	1-10052/0189	08/01/76	10	0498	4855N	10458W	46.4	122.0	GGGG				38	26
5470-16340	00000/0000	1-10052/0190	08/01/76	10	0498	4731N	10533W	46.9	120.1	GGGG				38	27
5470-16343	00000/0000	1-10052/0191	08/01/76	90	0498	4605N	10607W	47.3	118.3	GGGG				38	28
5470-16345	00000/0000	1-10052/0192	08/01/76	90	0498	4439N	10640W	47.7	116.4	GGGG				38	29
5470-16352	00000/0000	1-10052/0193	08/01/76	90	0498	4313N	10712W	48.0	114.5	GGGG				38	30
5470-16354	00000/0000	1-10052/0194	08/01/76	90	0498	4147N	10743W	48.3	112.7	GGGG				38	31
5470-16361	00000/0000	1-10052/0195	08/01/76	90	0498	4022N	10813W	48.5	110.8	GGGG				38	32
5470-16363	00000/0000	1-10052/0196	08/01/76	90	0498	3858N	10842W	48.7	108.9	GGGG				38	33
5470-16370	00000/0000	1-10052/0197	08/01/76	80	0498	3733N	10910W	48.9	107.0	GGGG				38	34
5470-16372	00000/0000	1-10052/0198	08/01/76	70	0498	3607N	10937W	49.0	105.1	GGGG				38	35
5470-16375	00000/0000	1-10052/0199	08/01/76	50	0498	3441N	11004W	49.1	103.3	GGGG				38	36
5470-16381	00000/0000	1-10052/0200	08/01/76	10	0498	3314N	11028W	49.2	101.4	GGGG				38	37
5470-16384	00000/0000	1-10052/0201	08/01/76	10	0498	3148N	11053W	49.2	99.5	GGGG				38	38
5470-16390	00000/0000	1-10052/0202	08/01/76	0	0498	3022N	11117W	49.1	97.7	GGGG				38	39
5470-19553	00000/0000	1-10052/0256	08/01/76	0	0500	6415N	14657W	39.5	142.8	GGGG				74	15
5470-19560	00000/0000	1-10052/0257	08/01/76	10	0500	6253N	14810W	40.3	140.7	GGGG				74	16
5471-14560	00000/0000	1-10052/0217	08/02/76	90	0511	4855N	08033W	46.2	122.2	GGGG				21	26
5471-14563	00000/0000	1-10052/0218	08/02/76	60	0511	4730N	08110W	46.7	120.4	GGGG				21	27
5471-14565	00000/0000	1-10052/0219	08/02/76	30	0511	4606N	08145W	47.1	118.5	GGGG				21	28
5471-14572	00000/0000	1-10052/0220	08/02/76	10	0511	4422N	08218W	47.5	116.7	GGGG				21	29
5471-14574	00000/0000	1-10052/0221	08/02/76	40	0511	4317N	08249W	47.8	114.8	GGGG				21	30
5471-14581	00000/0000	1-10052/0222	08/02/76	30	0511	4151N	08320W	48.1	112.9	GGGG				21	31

KEYS: CLOUD COVER x 0 TO 100 = % CLOUD COVER.
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5471-14583	00000/0000	1-10052/0223	08/02/76	10	0511	4025N	08349W	48.4	111.1		GGGG			21	32
5471-14590	00000/0000	1-10052/0224	08/02/76	30	0511	3859N	08418W	48.6	109.2		GGGG			21	33
5471-14592	00000/0000	1-10052/0225	08/02/76	70	0511	3733N	08446W	48.8	107.3		GGGG			21	34
5471-14595	00000/0000	1-10052/0226	08/02/76	30	0511	3607N	08514W	48.9	105.5		GGGG			21	35
5471-16392	00000/0000	1-10052/0203	08/02/76	10	0512	4857N	10623W	46.2	122.2		GGGG			39	26
5471-16394	00000/0000	1-10052/0204	08/02/76	20	0512	4731N	10659W	46.7	120.4		FFGG			39	27
5471-16401	00000/0000	1-10052/0205	08/02/76	90	0512	4605N	10733W	47.1	118.5		GGG			39	28
5471-16403	00000/0000	1-10052/0206	08/02/76	90	0512	4440N	10806W	47.5	116.7		PGGG			39	29
5471-16410	00000/0000	1-10052/0207	08/02/76	100	0512	4314N	10837W	47.8	114.8		PGGG			39	30
5471-16412	00000/0000	1-10052/0208	08/02/76	90	0512	4149N	10908W	48.1	112.9		PFGG			39	31
5471-16415	00000/0000	1-10052/0209	08/02/76	50	0512	4023N	10939W	48.4	111.1		FFGG			39	32
5471-16421	00000/0000	1-10052/0210	08/02/76	10	0512	3858N	11007W	48.6	109.2		GGGG			39	33
5471-16424	00000/0000	1-10052/0211	08/02/76	10	0512	3732N	11035W	48.8	107.3		GGGG			39	34
5471-16430	00000/0000	1-10052/0212	08/02/76	10	0512	3606N	11102W	48.9	105.5		GGGG			39	35
5471-16433	00000/0000	1-10052/0213	08/02/76	10	0512	3441N	11127W	49.0	103.6		GGGF			39	36
5471-16435	00000/0000	1-10052/0214	08/02/76	10	0512	3315N	11153W	49.0	101.7		GGGG			39	37
5471-16442	00000/0000	1-10052/0215	08/02/76	0	0512	3149N	11218W	49.0	99.9		GGGG			39	38
5471-16444	00000/0000	1-10052/0216	08/02/76	10	0512	3022N	11244W	49.0	98.1		GGGG			39	39
5472-15014	00000/0000	1-10052/0241	08/03/76	10	0525	4853N	08159W	46.0	122.4		GGGF			22	26
5472-15021	00000/0000	1-10052/0242	08/03/76	30	0525	4728N	08236W	46.5	120.5		GGGG			22	27
5472-15030	00000/0000	1-10052/0243	08/03/76	0	0525	4438N	08344W	47.3	116.9		GGGG			22	29
5472-15032	00000/0000	1-10052/0244	08/03/76	0	0525	4313N	08416W	47.6	115.0		GGGG			22	30
5472-15035	00000/0000	1-10052/0245	08/03/76	0	0525	4148N	08446W	47.9	113.2		GGGG			22	31
5472-15041	00000/0000	1-10052/0246	08/03/76	10	0525	4023N	08516W	48.2	111.3		GGGG			22	32
5472-15044	00000/0000	1-10052/0247	08/03/76	10	0525	3857N	08544W	48.4	109.5		GGGG			22	33
5472-15050	00000/0000	1-10052/0248	08/03/76	10	0525	3730N	08611W	48.6	107.6		GGGG			22	34
5472-15053	00000/0000	1-10052/0249	08/03/76	10	0525	3604N	08639W	48.7	105.7		GGGG			22	35
5472-15055	00000/0000	1-10052/0250	08/03/76	10	0525	3439N	08706W	48.8	103.9		GGGG			22	36
5472-15062	00000/0000	1-10052/0251	08/03/76	10	0525	3314N	08732W	48.9	102.0		GGGG			22	37
5472-15064	00000/0000	1-10052/0252	08/03/76	10	0525	3148N	08757W	48.9	100.2		GGGG			22	38
5472-15071	00000/0000	1-10052/0253	08/03/76	10	0525	3022N	08822W	48.9	98.3		GGGG			22	39
5472-15073	00000/0000	1-10052/0254	08/03/76	90	0525	2856N	08847W	48.8	96.5		GGGG			22	40
5472-15080	00000/0000	1-10052/0255	08/03/76	40	0525	2730N	08910W	48.7	94.7		GGGG			22	41
5473-15072	00000/0000	1-10052/0258	08/04/76	90	0539	4855N	08327W	45.8	122.6		FFGG			23	26
5473-15074	00000/0000	1-10052/0259	08/04/76	80	0539	4731N	08403W	46.3	120.8		FFGG			23	27
5473-15081	00000/0000	1-10052/0260	08/04/76	70	0539	4606N	08438W	46.7	119.0		FFGG			23	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5473-15083	00000/0000	1-10052/0261	08/04/76	50	0539	4441N 08511W	47.1	117.1	GFFG			23	29
5473-15090	00000/0000	1-10052/0262	08/04/76	40	0539	4315N 08542W	47.4	115.3	GFGG			23	30
5473-15092	00000/0000	1-10052/0263	08/04/76	20	0539	4150N 08612W	47.7	113.5	GFGG			23	31
5473-15095	00000/0000	1-10052/0264	08/04/76	20	0539	4024N 08642W	48.0	111.6	GFGG			23	32
5473-15101	00000/0000	1-10052/0265	08/04/76	20	0539	3858N 08711W	48.3	109.8	GFGG			23	33
5473-15104	00000/0000	1-10052/0266	08/04/76	30	0539	3732N 08739W	48.4	107.9	GFGG			23	34
5473-15110	00000/0000	1-10052/0267	08/04/76	20	0539	3607N 08806W	48.6	106.1	GFGG			23	35
5473-15113	00000/0000	1-10052/0268	08/04/76	30	0539	3442N 08832W	48.7	104.2	GGGG			23	36
5473-15115	00000/0000	1-10052/0269	08/04/76	30	0539	3317N 08857W	48.8	102.4	GGGG			23	37
5473-15122	00000/0000	1-10052/0270	08/04/76	20	0539	3151N 08922W	48.8	100.6	GGGG			23	38
5473-15124	00000/0000	1-10052/0271	08/04/76	30	0539	3023N 08946W	48.8	98.7	GGGG			23	39
5473-16504	00000/0000	1-10052/0272	08/04/76	80	0540	4854N 10914W	45.8	122.6	GGGG			41	26
5473-16510	00000/0000	1-10052/0273	08/04/76	70	0540	4729N 10951W	46.3	120.8	GGGG			41	27
5473-16513	00000/0000	1-10052/0274	08/04/76	30	0540	4604N 11025W	46.7	119.0	GGGG			41	28
5473-16515	00000/0000	1-10052/0275	08/04/76	30	0540	4438N 11058W	47.1	117.2	GGGG			41	29
5473-16522	00000/0000	1-10052/0276	08/04/76	10	0540	4313N 11131W	47.4	115.3	GGGG			41	30
5473-16524	00000/0000	1-10052/0277	08/04/76	10	0540	4148N 11201W	47.7	113.5	GGGG			41	31
5473-16531	00000/0000	1-10052/0278	08/04/76	10	0540	4022N 11231W	48.0	111.6	GGGG			41	32
5473-16533	00000/0000	1-10052/0279	08/04/76	0	0540	3857N 11301W	48.2	109.8	GGGG			41	33
5473-16540	00000/0000	1-10052/0280	08/04/76	0	0540	3731N 11328W	48.4	107.9	GGGG			41	34
5473-16542	00000/0000	1-10052/0281	08/04/76	0	0540	3605N 11355W	48.6	106.1	GGGG			41	35
5473-16545	00000/0000	1-10052/0282	08/04/76	0	0540	3439N 11422W	48.7	104.2	GGGG			41	36
5473-16551	00000/0000	1-10052/0283	08/04/76	0	0540	3313N 11447W	48.8	102.4	GGGG			41	37
5473-16554	00000/0000	1-10052/0284	08/04/76	0	0540	3147N 11512W	48.8	100.6	GGGG			41	38
5474-15153	00000/0000	1-10052/0286	08/05/76	50	0553	4025N 08805W	47.8	112.0	GFGG			24	32
5474-15155	00000/0000	1-10052/0285	08/05/76	40	0553	3859N 08834W	48.1	110.1	G GG			24	33
5474-15162	00000/0000	1-10052/0287	08/05/76	30	0553	3732N 08902W	48.3	108.3	GFGG			24	34
5474-15164	00000/0000	1-10052/0288	08/05/76	30	0553	3606N 08929W	48.4	106.4	GFGG			24	35
5474-15171	00000/0000	1-10052/0289	08/05/76	10	0553	3440N 08956W	48.6	104.6	FFFF			24	36
5474-15173	00000/0000	1-10052/0290	08/05/76	40	0553	3316N 09022W	48.6	102.8	GFGF			24	37
5474-15180	00000/0000	1-10052/0291	08/05/76	60	0553	3152N 09048W	48.7	100.9	GFGF			24	38
5474-15182	00000/0000	1-10052/0292	08/05/76	50	0553	3026N 09112W	48.7	99.1	GFGF			24	39
5474-16582	00000/0000	1-10052/0300	08/05/76	0	0554	4148N 11326W	47.5	113.8	GGGG			42	31
5474-16584	00000/0000	1-10052/0301	08/05/76	0	0554	4021N 11356W	47.8	112.0	GGGG			42	32
5474-16591	00000/0000	1-10052/0302	08/05/76	0	0554	3856N 11425W	48.1	110.1	GGGG			42	33
5474-16593	00000/0000	1-10052/0303	08/05/76	10	0554	3730N 11454W	48.3	108.3	GGGG			42	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5474-17000	00000/0000	1-10052/0304	08/05/76	0	0554	3605N	11521W	48.4	106.4		GGGG			42	35
5474-17002	00000/0000	1-10052/0305	08/05/76	0	0554	3439N	11548W	48.5	104.6		GGGG			42	36
5474-17005	00000/0000	1-10052/0306	08/05/76	10	0554	3315N	11615W	48.6	102.8		GGGG			42	37
5474-17011	00000/0000	1-10052/0307	08/05/76	30	0554	3150N	11640W	48.7	100.9		GG G			42	38
5475-15184	00000/0000	1-10052/0308	08/06/76	10	0567	4852N	08617W	45.4	123.0		GGGG			25	26
5475-15190	00000/0000	1-10052/0309	08/06/76	10	0567	4728N	08652W	45.9	121.3		GGGG			25	27
5475-15193	00000/0000	1-10052/0310	08/06/76	10	0567	4604N	08726W	46.3	119.5		GGGG			25	28
5475-15195	00000/0000	1-10052/0311	08/06/76	30	0567	4438N	08759W	46.7	117.7		GGGG			25	29
5475-15202	00000/0000	1-10052/0312	08/06/76	60	0567	4312N	08831W	47.1	115.9		GGGG			25	30
5475-15204	00000/0000	1-10052/0313	08/06/76	80	0567	4146N	08902W	47.4	114.0		GGGG			25	31
5475-15211	00000/0000	1-10052/0314	08/06/76	90	0567	4020N	08931W	47.7	112.2		GGGG			25	32
5475-15213	00000/0000	1-10052/0315	08/06/76	90	0567	3855N	08959W	47.9	110.4		GGGG			25	33
5475-15220	00000/0000	1-10052/0316	08/06/76	50	0567	3730N	09026W	48.1	108.6		GGGG			25	34
5475-15222	00000/0000	1-10052/0317	08/06/76	40	0567	3604N	09054W	48.3	106.7		GGGG			25	35
5475-17042	00000/0000	1-10052/0293	08/06/76	0	0568	4025N	11523W	47.6	112.3		GGGG			43	32
5475-17045	00000/0000	1-10052/0294	08/06/76	0	0568	3900N	11552W	47.9	110.5		GGGG			43	33
5475-17051	00000/0000	1-10052/0295	08/06/76	0	0568	3735N	11620W	48.1	108.6		GGGG			43	34
5475-17054	00000/0000	1-10052/0296	08/06/76	0	0568	3607N	11646W	48.3	106.8		GGGG			43	35
5475-17060	00000/0000	1-10052/0297	08/06/76	0	0568	3441N	11712W	48.4	105.0		GGGG			43	36
5475-17063	00000/0000	1-10052/0298	08/06/76	30	0568	3314N	11737W	48.5	103.2		GGGG			43	37
5475-17065	00000/0000	1-10052/0299	08/06/76	70	0568	3148N	11803W	48.5	101.3		GGGG			43	38
5476-15242	00000/0000	1-10052/0318	08/07/76	0	0581	4854N	08741W	45.2	123.3		GGGG			26	26
5476-15244	00000/0000	1-10052/0319	08/07/76	0	0581	4729N	08818W	45.6	121.5		GGGG			26	27
5476-15251	00000/0000	1-10052/0320	08/07/76	0	0581	4603N	08853W	46.1	119.8		GGGG			26	28
5476-15253	00000/0000	1-10052/0321	08/07/76	10	0581	4438N	08926W	46.5	118.0		GGGG			26	29
5476-15260	00000/0000	1-10052/0322	08/07/76	10	0581	4313N	08958W	46.9	116.2		GGGG			26	30
5476-15262	00000/0000	1-10052/0323	08/07/76	10	0581	4148N	09028W	47.2	114.4		GGGG			26	31
5476-15265	00000/0000	1-10052/0324	08/07/76	10	0581	4023N	09057W	47.5	112.6		GGGG			26	32
5476-15271	00000/0000	1-10052/0325	08/07/76	30	0581	3857N	09126W	47.7	110.7		GGGG			26	33
5476-15274	00000/0000	1-10052/0326	08/07/76	30	0581	3731N	09154W	48.0	108.9		GGGG			26	34
5476-15280	00000/0000	1-10052/0327	08/07/76	60	0581	3605N	09222W	48.1	107.1		GGGG			26	35
5476-15283	00000/0000	1-10052/0328	08/07/76	30	0581	3439N	09248W	48.3	105.3		GGGG			26	36
5476-15285	00000/0000	1-10052/0329	08/07/76	10	0581	3313N	09314W	48.4	103.5		GGGG			26	37
5476-15292	00000/0000	1-10052/0330	08/07/76	10	0581	3147N	09340W	48.4	101.7		GGGG			26	38
5476-15294	00000/0000	1-10052/0331	08/07/76	10	0581	3021N	09405W	48.4	99.8		GGGG			26	39
5476-17073	00000/0000	1-10052/0338	08/07/76	20	0582	4852N	11330W	45.1	123.3		GGGG			44	26

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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5476-17080	00000/0000	1-10052/0332	08/07/76	40	0582	4727N	11407W	45.6	121.5	G GG			44	27
5476-17082	00000/0000	1-10052/0333	08/07/76	80	0582	4602N	11441W	46.1	119.8	G GG			44	28
5476-17085	00000/0000	1-10052/0334	08/07/76	60	0582	4437N	11515W	46.5	118.0	G GG			44	29
5476-17091	00000/0000	1-10052/0335	08/07/76	20	0582	4312N	11547W	46.8	116.2	G FG			44	30
5476-17094	00000/0000	1-10052/0336	08/07/76	20	0582	4148N	11619W	47.2	114.4	G GG			44	31
5476-17100	00000/0000	1-10052/0337	08/07/76	0	0582	4024N	11650W	47.5	112.6	F FG			44	32
5476-17103	00000/0000	1-10052/0339	08/07/76	0	0582	3859N	11719W	47.7	110.7	GGGG			44	33
5476-17105	00000/0000	1-10052/0340	08/07/76	0	0582	3732N	11746W	47.9	108.9	GGGG			44	34
5476-17112	00000/0000	1-10052/0341	08/07/76	0	0582	3605N	11813W	48.1	107.1	GGGG			44	35
5476-17114	00000/0000	1-10052/0342	08/07/76	10	0582	3439N	11838W	48.3	105.3	GGGG			44	36
5476-17121	00000/0000	1-10052/0343	08/07/76	10	0582	3313N	11903W	48.3	103.5	GGGG			44	37
5477-15300	00000/0000	1-10052/0344	08/08/76	40	0595	4856N	08906W	44.9	123.6	GGGG			27	26
5477-15302	00000/0000	1-10052/0345	08/08/76	0	0595	4730N	08943W	45.4	121.8	GGGG			27	27
5477-15305	00000/0000	1-10052/0346	08/08/76	10	0595	4605N	09018W	45.9	120.0	GGGG			27	28
5477-15311	00000/0000	1-10052/0347	08/08/76	10	0595	4440N	09052W	46.3	118.3	GGGG			27	29
5477-15314	00000/0000	1-10052/0348	08/08/76	10	0595	4315N	09124W	46.6	116.5	GGGG			27	30
5477-15320	00000/0000	1-10052/0349	08/08/76	10	0595	4149N	09155W	47.0	114.7	GGGG			27	31
5477-15323	00000/0000	1-10052/0350	08/08/76	20	0595	4023N	09224W	47.3	112.9	GGGG			27	32
5477-15325	00000/0000	1-10052/0351	08/08/76	10	0595	3858N	09252W	47.6	111.1	GGGG			27	33
5477-15332	00000/0000	1-10052/0352	08/08/76	50	0595	3732N	09320W	47.8	109.3	GGGG			27	34
5477-15334	00000/0000	1-10052/0353	08/08/76	60	0595	3606N	09347W	48.0	107.5	GGGG			27	35
5477-15341	00000/0000	1-10052/0354	08/08/76	80	0595	3440N	09413W	48.1	105.7	GGGG			27	36
5477-15343	00000/0000	1-10052/0355	08/08/76	30	0595	3314N	09439W	48.2	103.9	GGGG			27	37
5477-15350	00000/0000	1-10052/0368	08/08/76	20	0595	3148N	09504W	48.3	102.1	GGGG			27	38
5477-15352	00000/0000	1-10052/0369	08/08/76	10	0595	3023N	09529W	48.3	100.3	GGGG			27	39
5477-15355	00000/0000	1-10052/0370	08/08/76	10	0595	2856N	09553W	48.3	98.5	GGGG			27	40
5477-15361	00000/0000	1-10052/0371	08/08/76	20	0595	2730N	09616W	48.2	96.7	GGGG			27	41
5477-15364	00000/0000	1-10052/0372	08/08/76	10	0595	2604N	09638W	48.1	94.9	GGGG			27	42
5477-15370	00000/0000	1-10052/0373	08/08/76	10	0595	2438N	09701W	48.0	93.2	GGGG			27	43
5477-17131	00000/0000	1-10052/0356	08/08/76	100	0596	4853N	11456W	44.9	123.6	GGGG			45	26
5477-17134	00000/0000	1-10052/0357	08/08/76	90	0596	4728N	11532W	45.4	121.8	GGGG			45	27
5477-17140	00000/0000	1-10052/0358	08/08/76	90	0596	4603N	11608W	45.8	120.0	GGGG			45	28
5477-17143	00000/0000	1-10052/0359	08/08/76	90	0596	4439N	11641W	46.3	118.3	GGGG			45	29
5477-17145	00000/0000	1-10052/0360	08/08/76	60	0596	4314N	11714W	46.6	116.5	GGGG			45	30
5477-17152	00000/0000	1-10052/0361	08/08/76	10	0596	4150N	11745W	47.0	114.7	GGGG			45	31
5477-17154	00000/0000	1-10052/0362	08/08/76	10	0596	4025N	11815W	47.3	112.9	GGGG			45	32

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5477-17161	00000/0000	1-10052/0363	08/08/76	10	0596	3859N	11844W	47.5	111.1		GGG			45	33
5477-17163	00000/0000	1-10052/0364	08/08/76	0	0596	3734N	11913W	47.8	109.3		GGGG			45	34
5477-17170	00000/0000	1-10052/0365	08/08/76	0	0596	3608N	11940W	48.0	107.5		GGGG			45	35
5477-17172	00000/0000	1-10052/0366	08/08/76	20	0596	3443N	12006W	48.1	105.7		GGGG			45	36
5477-17175	00000/0000	1-10052/0367	08/08/76	90	0596	3316N	12031W	48.2	103.9		GGGG			45	37
5478-15354	00000/0000	1-10052/0022	08/09/76	50	0609	4857N	09033W	44.7	123.8		GGGG			28	26
5478-15360	00000/0000	1-10052/0023	08/09/76	90	0609	4732N	09110W	45.2	122.1		GGGF			28	27
5478-15363	00000/0000	1-10052/0024	08/09/76	60	0609	4606N	09145W	45.6	120.3		GGGG			28	28
5478-15365	00000/0000	1-10052/0025	08/09/76	10	0609	4441N	09218W	46.1	118.6		GGGG			28	29
5478-15372	00000/0000	1-10052/0026	08/09/76	10	0609	4315N	09250W	46.4	116.8		GGGG			28	30
5478-15374	00000/0000	1-10052/0027	08/09/76	40	0609	4150N	09321W	46.8	115.0		FGGG			28	31
5478-15381	00000/0000	1-10052/0028	08/09/76	50	0609	4024N	09350W	47.1	113.3		FGGG			28	32
5478-15383	00000/0000	1-10052/0029	08/09/76	10	0609	3858N	09419W	47.4	111.5		GGGG			28	33
5478-15390	00000/0000	1-10052/0030	08/09/76	10	0609	3733N	09447W	47.6	109.7		GGGG			28	34
5478-15392	00000/0000	1-10052/0031	08/09/76	10	0609	3607N	09513W	47.8	107.9		GGGG			28	35
5478-15395	00000/0000	1-10052/0374	08/09/76	0	0609	3442N	09539W	48.0	106.1		GGGG			28	36
5478-15401	00000/0000	1-10052/0375	08/09/76	0	0609	3318N	09603W	48.1	104.3		GGGG			28	37
5478-15404	00000/0000	1-10052/0376	08/09/76	10	0609	3152N	09628W	48.1	102.5		FGGG			28	38
5478-15410	00000/0000	1-10052/0377	08/09/76	10	0609	3026N	09652W	48.2	100.7		GFGG			28	39
5478-15413	00000/0000	1-10052/0378	08/09/76	10	0609	2858N	09717W	48.2	98.9		GFGG			28	40
5478-15415	00000/0000	1-10052/0379	08/09/76	10	0609	2730N	09741W	48.1	97.1		GGGG			28	41
5478-15422	00000/0000	1-10052/0380	08/09/76	10	0609	2603N	09807W	48.0	95.4		GGGG			28	42
5478-17185	00000/0000	1-10052/0383	08/09/76	90	0610	4855N	11622W	44.7	123.8		GGGG			46	26
5478-17192	00000/0000	1-10052/0384	08/09/76	70	0610	4730N	11658W	45.2	122.1		GGGG			46	27
5478-17194	00000/0000	1-10052/0381	08/09/76	50	0610	4605N	11734W	45.6	120.3		G GG			46	28
5478-17201	00000/0000	1-10052/0385	08/09/76	40	0610	4441N	11807W	46.0	118.6		GGGG			46	29
5478-17203	00000/0000	1-10052/0386	08/09/76	30	0610	4316N	11840W	46.4	116.8		GGGG			46	30
5478-17210	00000/0000	1-10052/0387	08/09/76	20	0610	4151N	11911W	46.8	115.0		GGGG			46	31
5478-17212	00000/0000	1-10052/0388	08/09/76	10	0610	4026N	11941W	47.1	113.3		GGGG			46	32
5478-17215	00000/0000	1-10052/0389	08/09/76	10	0610	3900N	12010W	47.4	111.5		GGGG			46	33
5478-17221	00000/0000	1-10052/0382	08/09/76	0	0610	3735N	12039W	47.6	109.7		G GG			46	34
5478-17224	00000/0000	1-10052/0390	08/09/76	30	0610	3610N	12106W	47.8	107.9		GGGG			46	35
5478-17230	00000/0000	1-10052/0391	08/09/76	90	0610	3444N	12133W	47.9	106.1		GGGG			46	36
5478-17233	00000/0000	1-10052/0392	08/09/76	100	0610	3318N	12158W	48.1	104.3		GGGG			46	37
5479-15423	00000/0000	1-10052/0406	08/10/76	10	0623	4438N	09345W	45.9	118.8		GPGG			29	29
5479-15430	00000/0000	1-10052/0407	08/10/76	60	0623	4312N	09417W	46.2	117.1		GGGG			29	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5479-15432	00000/0000	1-10052/0408	08/10/76	40	0623	4147N	09447W	46.6	115.3		GGGG			29	31
5479-15435	00000/0000	1-10052/0409	08/10/76	70	0623	4022N	09517W	46.9	113.5		GPGG			29	32
5479-15441	00000/0000	1-10052/0410	08/10/76	30	0623	3856N	09546W	47.2	111.8		GPGG			29	33
5479-15444	00000/0000	1-10052/0411	08/10/76	10	0623	3730N	09613W	47.4	110.0		GPGG			29	34
5479-15450	00000/0000	1-10052/0412	08/10/76	10	0623	3605N	09639W	47.6	108.2		GPGG			29	35
5479-15453	00000/0000	1-10052/0413	08/10/76	0	0623	3440N	09705W	47.8	106.4		GPFG			29	36
5479-15455	00000/0000	1-10052/0414	08/10/76	0	0623	3315N	09730W	47.9	104.6		GPGG			29	37
5479-15462	00000/0000	1-10052/0415	08/10/76	0	0623	3149N	09754W	48.0	102.8		GPGG			29	38
5479-15464	00000/0000	1-10052/0416	08/10/76	10	0623	3023N	09819W	48.0	101.0		GGGG			29	39
5479-15471	00000/0000	1-10052/0417	08/10/76	10	0623	2857N	09843W	48.0	99.3		GGGG			29	40
5479-15473	00000/0000	1-10052/0418	08/10/76	10	0623	2731N	09908W	48.0	97.5		GGGG			29	41
5479-15480	00000/0000	1-10052/0419	08/10/76	0	0623	2604N	09932W	47.9	95.7		GGGG			29	42
5479-17252	00000/0000	1-10052/0428	08/10/76	10	0624	4605N	11859W	45.4	120.7		GGGG			47	28
5479-17255	00000/0000	1-10052/0429	08/10/76	10	0624	4441N	11932W	45.8	118.9		GGGG			47	29
5479-17261	00000/0000	1-10052/0430	08/10/76	0	0624	4316N	12004W	46.2	117.1		GGGG			47	30
5479-17264	00000/0000	1-10052/0431	08/10/76	0	0624	4151N	12035W	46.6	115.4		GFGG			47	31
5479-17270	00000/0000	1-10052/0432	08/10/76	10	0624	4026N	12106W	46.9	113.6		GGGG			47	32
5479-17273	00000/0000	1-10052/0433	08/10/76	10	0624	3901N	12135W	47.2	111.8		GGGG			47	33
5479-17275	00000/0000	1-10052/0434	08/10/76	40	0624	3736N	12204W	47.4	110.0		GGGG			47	34
5479-17282	00000/0000	1-10052/0435	08/10/76	90	0624	3611N	12232W	47.6	108.3		GGGG			47	35
5480-14040	00000/0000	1-10052/0458	08/11/76	10	0636	4731N	06814W	44.7	122.6		GGGG			12	27
5480-14043	00000/0000	1-10052/0459	08/11/76	0	0636	4606N	06848W	45.2	120.9		FGGG			12	28
5480-14045	00000/0000	1-10052/0460	08/11/76	0	0636	4440N	06921W	45.6	119.1		GGGG			12	29
5480-14052	00000/0000	1-10052/0461	08/11/76	0	0636	4315N	06953W	46.0	117.4		GGGG			12	30
5480-14054	00000/0000	1-10052/0462	08/11/76	10	0636	4149N	07024W	46.4	115.6		GFGG			12	31
5480-14061	00000/0000	1-10052/0463	08/11/76	30	0636	4024N	07053W	46.7	113.9		GGGG			12	32
5480-14063	00000/0000	1-10052/0464	08/11/76	60	0636	3858N	07122W	47.0	112.1		GGGG			12	33
5480-14070	00000/0000	1-10052/0465	08/11/76	30	0636	3733N	07150W	47.3	110.3		FGGG			12	34
5480-14072	00000/0000	1-10052/0466	08/11/76	40	0636	3606N	07217W	47.5	108.6		GGGG			12	35
5480-15483	00000/0000	1-10052/0393	08/11/76	90	0637	4314N	09542W	46.0	117.4		FGFG			30	30
5480-15490	00000/0000	1-10052/0394	08/11/76	60	0637	4148N	09613W	46.4	115.7		GGGG			30	31
5480-15492	00000/0000	1-10052/0395	08/11/76	70	0637	4023N	09642W	46.7	113.9		GGGG			30	32
5480-15495	00000/0000	1-10052/0396	08/11/76	70	0637	3857N	09710W	47.0	112.1		GGGG			30	33
5480-15501	00000/0000	1-10052/0397	08/11/76	40	0637	3732N	09737W	47.3	110.3		GGGG			30	34
5480-15504	00000/0000	1-10052/0398	08/11/76	10	0637	3608N	09803W	47.5	108.6		GGGG			30	35
5480-15510	00000/0000	1-10052/0399	08/11/76	10	0637	3442N	09829W	47.6	106.8		GGGG			30	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5480-15513	00000/0000	1-10052/0400	08/11/76	0	0637	3316N	09855W	47.8	105.0		GGGG			30	37
5480-15515	00000/0000	1-10052/0401	08/11/76	0	0637	3150N	09920W	47.9	103.2		GGGG			30	38
5480-15522	00000/0000	1-10052/0402	08/11/76	10	0637	3023N	09946W	47.9	101.5		GGGG			30	39
5480-15524	00000/0000	1-10052/0403	08/11/76	10	0637	2857N	10011W	47.9	99.7		GGGG			30	40
5480-15531	00000/0000	1-10052/0404	08/11/76	10	0637	2731N	10034W	47.9	97.9		FGGG			30	41
5480-15533	00000/0000	1-10052/0405	08/11/76	10	0637	2604N	10057W	47.8	96.2		GGGG			30	42
5480-17310	00000/0000	1-10052/0420	08/11/76	10	0638	4603N	12026W	45.2	120.9		GGGG			48	28
5480-17313	00000/0000	1-10052/0421	08/11/76	10	0638	4439N	12059W	45.6	119.2		GGGG			48	29
5480-17315	00000/0000	1-10052/0422	08/11/76	10	0638	4314N	12131W	46.0	117.4		GGGG			48	30
5480-17322	00000/0000	1-10052/0423	08/11/76	10	0638	4149N	12203W	46.4	115.7		GGGG			48	31
5480-17324	00000/0000	1-10052/0424	08/11/76	10	0638	4025N	12234W	46.7	113.9		FFF			48	32
5480-17331	00000/0000	1-10052/0425	08/11/76	40	0638	3859N	12303W	47.0	112.1		GGG			48	33
5480-17333	00000/0000	1-10052/0426	08/11/76	90	0638	3733N	12331W	47.3	110.4		GGGG			48	34
5480-17340	00000/0000	1-10052/0427	08/11/76	90	0638	3607N	12358W	47.5	108.6		GGGG			48	35
5481-15523	00000/0000	1-10052/0436	08/12/76	80	0651	4855N	09454W	44.0	124.6		GGFG			31	26
5481-15530	00000/0000	1-10052/0437	08/12/76	70	0651	4731N	09530W	44.5	122.9		GGFG			31	27
5481-15532	00000/0000	1-10052/0438	08/12/76	10	0651	4607N	09603W	45.0	121.2		GGGG			31	28
5481-15535	00000/0000	1-10052/0439	08/12/76	10	0651	4441N	09636W	45.4	119.5		GGGG			31	29
5481-15541	00000/0000	1-10052/0440	08/12/76	10	0651	4316N	09707W	45.8	117.7		GGGG			31	30
5481-15544	00000/0000	1-10052/0441	08/12/76	20	0651	4150N	09737W	46.2	116.0		GGGG			31	31
5481-15550	00000/0000	1-10052/0442	08/12/76	10	0651	4025N	09807W	46.5	114.3		GGGG			31	32
5481-15553	00000/0000	1-10052/0443	08/12/76	10	0651	3901N	09836W	46.8	112.5		GGGG			31	33
5481-15555	00000/0000	1-10052/0444	08/12/76	10	0651	3735N	09904W	47.1	110.7		GGGG			31	34
5481-15562	00000/0000	1-10052/0445	08/12/76	10	0651	3609N	09931W	47.3	109.0		GGGG			31	35
5481-15564	00000/0000	1-10052/0446	08/12/76	10	0651	3443N	09958W	47.5	107.2		GGGG			31	36
5481-15571	00000/0000	1-10052/0447	08/12/76	0	0651	3317N	10024W	47.6	105.4		GGGG			31	37
5481-15573	00000/0000	1-10052/0448	08/12/76	0	0651	3151N	10049W	47.7	103.6		GGGG			31	38
5481-15580	00000/0000	1-10052/0449	08/12/76	0	0651	3024N	10114W	47.8	101.9		GGGG			31	39
5481-15582	00000/0000	1-10052/0450	08/12/76	10	0651	2858N	10137W	47.8	100.1		GGGG			31	40
5481-15585	00000/0000	1-10052/0451	08/12/76	10	0651	2731N	10201W	47.8	98.4		GGFG			31	41
5481-17364	00000/0000	1-10052/0452	08/12/76	20	0652	4604N	12151W	45.0	121.2		GGGG			49	28
5481-17370	00000/0000	1-10052/0453	08/12/76	10	0652	4439N	12224W	45.4	119.5		GGGG			49	29
5481-17373	00000/0000	1-10052/0454	08/12/76	10	0652	4313N	12256W	45.8	117.7		GGGG			49	30
5481-17375	00000/0000	1-10052/0455	08/12/76	10	0652	4149N	12327W	46.2	116.0		GGGG			49	31
5481-17382	00000/0000	1-10052/0456	08/12/76	30	0652	4024N	12358W	46.5	114.3		GGGG			49	32
5481-17384	00000/0000	1-10052/0457	08/12/76	50	0652	3900N	12429W	46.8	112.5		GGGG			49	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO. IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBR	PRINCIPAL POINT OF IMAGE LAT	POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5482-14152	00000/0000	1-10052/0516	08/13/76	90	0664	4730N	07107W	44.3	123.1	GGGG			14	27
5482-14155	00000/0000	1-10052/0517	08/13/76	80	0664	4605N	07141W	44.8	121.4	GGGG			14	28
5482-14161	00000/0000	1-10052/0518	08/13/76	90	0664	4439N	07214W	45.2	119.7	GGGG			14	29
5482-14164	00000/0000	1-10052/0524	08/13/76	90	0664	4313N	07246W	45.6	118.0	GG			14	30
5482-14170	00000/0000	1-10052/0519	08/13/76	30	0664	4147N	07316W	46.0	116.3	GGGG			14	31
5482-14173	00000/0000	1-10052/0520	08/13/76	10	0664	4022N	07345W	46.4	114.5	GGGG		H	14	32
5482-14175	00000/0000	1-10052/0521	08/13/76	10	0664	3857N	07413W	46.7	112.8	GGGG		H	14	33
5482-14182	00000/0000	1-10052/0525	08/13/76	0	0664	3732N	07440W	46.9	111.0	GG			14	34
5482-14184	00000/0000	1-10052/0522	08/13/76	10	0664	3606N	07508W	47.2	109.3	GGGG		H	14	35
5482-14191	00000/0000	1-10052/0523	08/13/76	30	0664	3439N	07535W	47.3	107.5	GGGG			14	36
5482-15581	00000/0000	1-10052/0467	08/13/76	80	0665	4857N	09619W	43.7	124.9	GGGG			32	26
5482-15584	00000/0000	1-10052/0468	08/13/76	70	0665	4732N	09655W	44.3	123.2	GGGG			32	27
5482-15590	00000/0000	1-10052/0469	08/13/76	60	0665	4607N	09730W	44.7	121.5	GGGG			32	28
5482-15593	00000/0000	1-10052/0470	08/13/76	40	0665	4442N	09803W	45.2	119.8	GGGG			32	29
5482-15595	00000/0000	1-10052/0471	08/13/76	40	0665	4316N	09835W	45.6	118.1	GGGG			32	30
5482-16002	00000/0000	1-10052/0472	08/13/76	20	0665	4150N	09906W	46.0	116.3	GGGG			32	31
5482-16004	00000/0000	1-10052/0473	08/13/76	10	0665	4024N	09935W	46.3	114.6	GGGG			32	32
5482-16011	00000/0000	1-10052/0474	08/13/76	30	0665	3858N	10004W	46.6	112.9	GGGG			32	33
5482-16013	00000/0000	1-10052/0475	08/13/76	40	0665	3733N	10032W	46.9	111.1	GGGG			32	34
5482-16020	00000/0000	1-10052/0476	08/13/76	20	0665	3608N	10059W	47.1	109.4	GG			32	35
5482-16022	00000/0000	1-10052/0477	08/13/76	10	0665	3443N	10126W	47.3	107.6	FGFG			32	36
5482-16025	00000/0000	1-10052/0478	08/13/76	10	0665	3318N	10152W	47.5	105.8	GG			32	37
5482-16031	00000/0000	1-10052/0479	08/13/76	0	0665	3153N	10218W	47.6	104.1	GG			32	38
5482-16034	00000/0000	1-10052/0480	08/13/76	0	0665	3027N	10242W	47.7	102.3	GGGG			32	39
5482-16040	00000/0000	1-10052/0481	08/13/76	0	0665	2900N	10305W	47.7	100.6	GGGG			32	40
5482-16043	00000/0000	1-10052/0482	08/13/76	0	0665	2732N	10328W	47.7	98.8	GGGG			32	41
5483-14251	00000/0000	1-10052/0508	08/14/76	70	0678	3314N	07725W	47.3	106.2	GGGG			15	37
5483-14254	00000/0000	1-10052/0509	08/14/76	40	0678	3149N	07750W	47.5	104.4	GFGG			15	38
5483-14260	00000/0000	1-10052/0510	08/14/76	30	0678	3022N	07814W	47.5	102.7	GGGG			15	39
5483-16035	00000/0000	1-10052/0511	08/14/76	40	0679	4853N	09745W	43.5	125.1	GGGG			33	26
5483-16042	00000/0000	1-10052/0512	08/14/76	60	0679	4729N	09822W	44.0	123.4	GGGG			33	27
5483-16044	00000/0000	1-10052/0513	08/14/76	90	0679	4605N	09857W	44.5	121.7	GGGG			33	28
5483-16051	00000/0000	1-10052/0514	08/14/76	80	0679	4440N	09930W	45.0	120.0	GGGG			33	29
5483-16060	00000/0000	1-10052/0515	08/14/76	80	0679	4148N	10032W	45.8	116.6	GGGG			33	31
5483-16062	00000/0000	1-10052/0483	08/14/76	20	0679	4022N	10102W	46.1	114.9	GGGG			33	32
5483-16065	00000/0000	1-10052/0484	08/14/76	0	0679	3856N	10131W	46.5	113.2	GGG			33	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR,
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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
										RBV	MSS				
5483-16071	00000/0000	1-10052/0485	08/14/76	10	0679	3731N	10158W	46.7	111.4		GGGG			33	34
5483-16074	00000/0000	1-10052/0486	08/14/76	10	0679	3605N	10226W	47.0	109.7		GGGG			33	35
5483-16080	00000/0000	1-10052/0487	08/14/76	20	0679	3440N	10254W	47.2	107.9		GGGG			33	36
5483-16083	00000/0000	1-10052/0488	08/14/76	30	0679	3315N	10319W	47.3	106.2		GGGG			33	37
5483-16085	00000/0000	1-10052/0489	08/14/76	20	0679	3149N	10344W	47.5	104.4		GGGG			33	38
5483-16092	00000/0000	1-10052/0490	08/14/76	30	0679	3023N	10409W	47.5	102.7		GGGG			33	39
5483-16094	00000/0000	1-10052/0491	08/14/76	30	0679	2856N	10432W	47.6	100.9		GGGG			33	40
5483-16101	00000/0000	1-10052/0492	08/14/76	10	0679	2729N	10455W	47.6	99.2		GGGG			33	41
5484-16093	00000/0000	1-10052/0502	08/15/76	10	0693	4854N	09910W	43.3	125.4		GGGG			34	26
5484-16100	00000/0000	1-10052/0503	08/15/76	20	0693	4730N	09947W	43.8	123.7		GGGG			34	27
5484-16102	00000/0000	1-10052/0504	08/15/76	40	0693	4606N	10023W	44.3	122.0		GGGG			34	28
5484-16105	00000/0000	1-10052/0505	08/15/76	70	0693	4441N	10056W	44.8	120.4		GGGG			34	29
5484-16111	00000/0000	1-10052/0506	08/15/76	70	0693	4316N	10129W	45.2	118.7		GGGG			34	30
5484-16114	00000/0000	1-10052/0507	08/15/76	100	0693	4150N	10159W	45.6	117.0		GGGG			34	31
5484-16120	00000/0000	1-10052/0493	08/15/76	90	0693	4024N	10228W	45.9	115.3		GGG			34	32
5484-16123	00000/0000	1-10052/0494	08/15/76	30	0693	3857N	10257W	46.3	113.5		GGGG			34	33
5484-16125	00000/0000	1-10052/0495	08/15/76	10	0693	3731N	10325W	46.6	111.8		GGGG			34	34
5484-16132	00000/0000	1-10052/0496	08/15/76	0	0693	3605N	10353W	46.8	110.1		GGGG			34	35
5484-16134	00000/0000	1-10052/0497	08/15/76	0	0693	3440N	10419W	47.0	108.3		GGGG			34	36
5484-16141	00000/0000	1-10052/0498	08/15/76	10	0693	3315N	10444W	47.2	106.6		GGGG			34	37
5484-16143	00000/0000	1-10052/0499	08/15/76	0	0693	3149N	10508W	47.3	104.8		GGGG			34	38
5484-16150	00000/0000	1-10052/0500	08/15/76	10	0693	3021N	10533W	47.4	103.1		GGGG			34	39
5484-16152	00000/0000	1-10052/0501	08/15/76	30	0693	2854N	10557W	47.5	101.4		GGGG			34	40
5485-14360	00000/0000	1-10052/0526	08/16/76	60	0706	3441N	07952W	46.9	108.7		FGGG			17	36
5485-14363	00000/0000	1-10052/0527	08/16/76	20	0706	3315N	08017W	47.0	107.0		GGGG			17	37
5485-14365	00000/0000	1-10052/0528	08/16/76	10	0706	3149N	08042W	47.2	105.3		GGGG			17	38
5485-14372	00000/0000	1-10052/0529	08/16/76	10	0706	3023N	08107W	47.3	103.5		GGGG			17	39
5485-14374	00000/0000	1-10052/0530	08/16/76	10	0706	2856N	08132W	47.3	101.8		GGGG			17	40
5485-14381	00000/0000	1-10052/0531	08/16/76	10	0706	2729N	08156W	47.4	100.1		GGGG			17	41
5485-14383	00000/0000	1-10052/0532	08/16/76	10	0706	2602N	08218W	47.3	98.4		GGGG			17	42
5485-14390	00000/0000	1-10052/0533	08/16/76	10	0706	2436N	08241W	47.3	96.7		GGGG			17	43
5485-16151	00000/0000	1-10052/0534	08/16/76	60	0707	4853N	10037W	43.0	125.7		GGGG			35	26
5485-16154	00000/0000	1-10052/0535	08/16/76	30	0707	4728N	10114W	43.5	124.0		GGGG			35	27
5485-16160	00000/0000	1-10052/0536	08/16/76	10	0707	4603N	10149W	44.1	122.4		GGGG			35	28
5485-16163	00000/0000	1-10052/0537	08/16/76	10	0707	4438N	10222W	44.5	120.7		GGP			35	29
5485-16165	00000/0000	1-10052/0556	08/16/76	10	0707	4313N	10254W	45.0	119.0		GGGG			35	30

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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PAGE 0016

OBSERVATION ID	MICROFILM POSITION RBV	ROLL No./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG							
5485-16172	00000/0000	1-10052/0557	08/16/76	10	0707	4148N	10325W	45.4	117.3	GGGG			35	31
5485-16174	00000/0000	1-10052/0558	08/16/76	10	0707	4022N	10355W	45.7	115.6	GGGG			35	32
5485-16181	00000/0000	1-10052/0559	08/16/76	10	0707	3857N	10424W	46.1	113.9	GGGG			35	33
5485-16183	00000/0000	1-10052/0560	08/16/76	10	0707	3732N	10452W	46.4	112.2	GGGG			35	34
5485-16190	00000/0000	1-10052/0561	08/16/76	10	0707	3607N	10519W	46.6	110.5	GGGG			35	35
5485-16192	00000/0000	1-10052/0562	08/16/76	20	0707	3442N	10545W	46.8	108.7	GGGG			35	36
5485-16195	00000/0000	1-10052/0563	08/16/76	40	0707	3315N	10611W	47.0	107.0	GGGG			35	37
5485-16201	00000/0000	1-10052/0564	08/16/76	40	0707	3148N	10635W	47.2	105.3	GGGG			35	38
5485-16204	00000/0000	1-10052/0565	08/16/76	30	0707	3021N	10700W	47.3	103.5	GGGG			35	39
5486-14373	00000/0000	1-10052/0538	08/17/76	30	0720	4857N	07613W	42.8	126.0	FFGG			18	26
5486-14380	00000/0000	1-10052/0539	08/17/76	10	0720	4732N	07649W	43.3	124.3	FFGG			18	27
5486-14382	00000/0000	1-10052/0540	08/17/76	10	0720	4606N	07723W	43.8	122.7	FGGG			18	28
5486-14385	00000/0000	1-10052/0541	08/17/76	10	0720	4440N	07756W	44.3	121.0	FGGG			18	29
5486-14391	00000/0000	1-10052/0542	08/17/76	10	0720	4314N	07828W	44.7	119.3	FGGG			18	30
5486-14394	00000/0000	1-10052/0543	08/17/76	0	0720	4149N	07858W	45.2	117.7	FGGG			18	31
5486-14400	00000/0000	1-10052/0544	08/17/76	10	0720	4024N	07927W	45.5	116.0	FGGG			18	32
5486-14403	00000/0000	1-10052/0545	08/17/76	10	0720	3900N	07955W	45.9	114.3	FGGG			18	33
5486-14405	00000/0000	1-10052/0546	08/17/76	20	0720	3735N	08022W	46.2	112.6	FGGG			18	34
5486-14412	00000/0000	1-10052/0547	08/17/76	50	0720	3608N	08050W	46.5	110.9	GGFG			18	35
5486-14414	00000/0000	1-10052/0548	08/17/76	60	0720	3440N	08117W	46.7	109.1	GGFG			18	36
5486-14421	00000/0000	1-10052/0549	08/17/76	70	0720	3313N	08143W	46.9	107.4	GGGG			18	37
5486-14423	00000/0000	1-10052/0550	08/17/76	70	0720	3148N	08209W	47.0	105.7	GGGG			18	38
5486-14430	00000/0000	1-10052/0555	08/17/76	80	0720	3023N	08233W	47.1	104.0	GG			18	39
5486-14432	00000/0000	1-10052/0551	08/17/76	50	0720	2858N	08258W	47.2	102.2	GGGG		H	18	40
5486-14435	00000/0000	1-10052/0552	08/17/76	40	0720	2732N	08322W	47.3	100.5	GGGG		H	18	41
5486-14441	00000/0000	1-10052/0553	08/17/76	80	0720	2605N	08344W	47.2	98.8	GGGG		H	18	42
5486-14444	00000/0000	1-10052/0554	08/17/76	80	0720	2439N	08406W	47.2	97.1	GGFG		H	18	43
5486-16205	00000/0000	1-10052/0566	08/17/76	90	0721	4855N	10202W	42.8	126.0	FGGG			36	26
5486-16211	00000/0000	1-10052/0567	08/17/76	70	0721	4729N	10238W	43.3	124.3	FGGG			36	27
5486-16214	00000/0000	1-10052/0568	08/17/76	50	0721	4604N	10314W	43.8	122.7	FGGG			36	28
5486-16220	00000/0000	1-10052/0569	08/17/76	70	0721	4439N	10348W	44.3	121.0	GGGF			36	29
5486-16223	00000/0000	1-10052/0570	08/17/76	60	0721	4315N	10420W	44.7	119.3	GGGG			36	30
5486-16225	00000/0000	1-10052/0571	08/17/76	50	0721	4150N	10451W	45.2	117.7	GGFG			36	31
5486-16232	00000/0000	1-10052/0572	08/17/76	90	0721	4025N	10520W	45.5	116.0	FGGG			36	32
5486-16234	00000/0000	1-10052/0573	08/17/76	70	0721	3859N	10549W	45.9	114.3	GGFG			36	33
5486-16241	00000/0000	1-10052/0574	08/17/76	50	0721	3733N	10617W	46.2	112.6	GGGG			36	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5486-16243	00000/0000	1-10052/0575	08/17/76	30	0721	3607N 10643W	46.4	110.9	GGGG			36	35
5486-16250	00000/0000	1-10052/0576	08/17/76	30	0721	3440N 10710W	46.7	109.2	GGGG			36	36
5486-16252	00000/0000	1-10052/0577	08/17/76	40	0721	3315N 10735W	46.9	107.4	GGGG			36	37
5486-16255	00000/0000	1-10052/0578	08/17/76	20	0721	3149N 10800W	47.0	105.7	GGGG			36	38
5486-16261	00000/0000	1-10052/0579	08/17/76	40	0721	3023N 10825W	47.1	104.0	GFGG			36	39
5487-14443	00000/0000	1-10052/0580	08/18/76	0	0734	4437N 07924W	44.1	121.3	GGGG			19	29
5487-14445	00000/0000	1-10052/0581	08/18/76	0	0734	4311N 07956W	44.5	119.6	GGGG			19	30
5487-14452	00000/0000	1-10052/0582	08/18/76	10	0734	4146N 08027W	45.0	117.9	GFGG			19	31
5487-14454	00000/0000	1-10052/0583	08/18/76	0	0734	4021N 08057W	45.3	116.3	GGGG			19	32
5487-14461	00000/0000	1-10052/0584	08/18/76	0	0734	3856N 08126W	45.7	114.6	FFGG			19	33
5487-14463	00000/0000	1-10052/0585	08/18/76	10	0734	3731N 08152W	46.0	112.9	FFFF			19	34
5487-14470	00000/0000	1-10052/0586	08/18/76	10	0734	3606N 08219W	46.3	111.2	GGFG			19	35
5487-14472	00000/0000	1-10052/0587	08/18/76	10	0734	3439N 08246W	46.5	109.5	GGGG			19	36
5487-14475	00000/0000	1-10052/0588	08/18/76	10	0734	3313N 08312W	46.7	107.8	GGGG			19	37
5487-14481	00000/0000	1-10052/0589	08/18/76	10	0734	3147N 08336W	46.9	106.1	GGGG			19	38
5487-16305	00000/0000	1-10052/0604	08/18/76	30	0735	3355N 10849W	46.6	108.7	GGGG			37	36
5487-16312	00000/0000	1-10052/0605	08/18/76	10	0735	3228N 10914W	46.8	107.0	GGGG			37	37
5487-16314	00000/0000	1-10052/0606	08/18/76	10	0735	3102N 10938W	46.9	105.2	GGGG			37	38
5488-14485	00000/0000	1-10052/0622	08/19/76	90	0748	4853N 07905W	42.3	126.5	GGGG			20	26
5488-14492	00000/0000	1-10052/0623	08/19/76	40	0748	4728N 07941W	42.8	124.8	GGGG			20	27
5488-14494	00000/0000	1-10052/0624	08/19/76	50	0748	4603N 08016W	43.4	123.2	GGGF			20	28
5488-14501	00000/0000	1-10052/0625	08/19/76	40	0748	4439N 08050W	43.9	121.6	GGGG			20	29
5488-14503	00000/0000	1-10052/0626	08/19/76	10	0748	4314N 08122W	44.3	120.0	GGGG			20	30
5488-14510	00000/0000	1-10052/0627	08/19/76	10	0748	4147N 08152W	44.7	118.3	GGGG			20	31
5488-14512	00000/0000	1-10052/0628	08/19/76	10	0748	4021N 08223W	45.1	116.6	GGGG			20	32
5488-14515	00000/0000	1-10052/0629	08/19/76	0	0748	3856N 08251W	45.5	115.0	GGGG			20	33
5488-14521	00000/0000	1-10052/0630	08/19/76	0	0748	3731N 08318W	45.8	113.3	GGFG			20	34
5488-14524	00000/0000	1-10052/0631	08/19/76	10	0748	3605N 08343W	46.1	111.6	GGGG			20	35
5488-14530	00000/0000	1-10052/0632	08/19/76	30	0748	3438N 08409W	46.4	109.9	GGGF			20	36
5488-14533	00000/0000	1-10052/0633	08/19/76	20	0748	3312N 08434W	46.6	108.2	GGGG			20	37
5488-14535	00000/0000	1-10052/0634	08/19/76	10	0748	3147N 08459W	46.7	106.5	GGGG			20	38
5488-14542	00000/0000	1-10052/0635	08/19/76	10	0748	3021N 08524W	46.9	104.8	GGGG			20	39
5488-16321	00000/0000	1-10052/0590	08/19/76	20	0749	4852N 10454W	42.3	126.5	GGGG			38	26
5488-16323	00000/0000	1-10052/0591	08/19/76	30	0749	4727N 10531W	42.8	124.9	GGGG			38	27
5488-16330	00000/0000	1-10052/0592	08/19/76	20	0749	4602N 10607W	43.3	123.2	GGGG			38	28
5488-16332	00000/0000	1-10052/0593	08/19/76	10	0749	4437N 10641W	43.8	121.6	GGGG			38	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0018

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	HSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5488-16335	00000/0000	1-10052/0594	08/19/76	10	0749	4311N	10713W	44.3	120.0	GGGG			38	30
5488-16341	00000/0000	1-10052/0595	08/19/76	10	0749	4146N	10744W	44.7	118.3	GGGG			38	31
5488-16344	00000/0000	1-10052/0596	08/19/76	20	0749	4020N	10813W	45.1	116.7	GGGG			38	32
5488-16350	00000/0000	1-10052/0597	08/19/76	20	0749	3854N	10841W	45.5	115.0	GGGG			38	33
5488-16353	00000/0000	1-10052/0598	08/19/76	30	0749	3728N	10909W	45.8	113.3	GGGG			38	34
5488-16355	00000/0000	1-10052/0599	08/19/76	30	0749	3603N	10937W	46.1	111.6	GGGG			38	35
5488-16362	00000/0000	1-10052/0600	08/19/76	20	0749	3437N	11003W	46.3	109.9	GGGG			38	36
5488-16364	00000/0000	1-10052/0601	08/19/76	20	0749	3310N	11026W	46.6	108.2	GGGG			38	37
5488-16371	00000/0000	1-10052/0602	08/19/76	10	0749	3144N	11050W	46.7	106.5	GGGG			38	38
5488-16373	00000/0000	1-10052/0603	08/19/76	10	0749	3017N	11115W	46.9	104.8	GGGG			38	39
5488-19540	00000/0000	1-10052/0607	08/19/76	70	0751	6414N	14654W	34.5	144.9	GGGG			74	15
5488-19543	00000/0000	1-10052/0608	08/19/76	90	0751	6252N	14807W	35.3	143.1	GGGG			74	16
5489-14552	00000/0000	1-10052/0650	08/20/76	20	0762	4603N	08143W	45.8	123.5	GGGG			21	28
5489-14555	00000/0000	1-10052/0651	08/20/76	10	0762	4438N	08216W	43.6	121.9	GGGG			21	29
5489-14561	00000/0000	1-10052/0652	08/20/76	10	0762	4313N	08248W	44.1	120.3	GGGG			21	30
5489-14564	00000/0000	1-10052/0653	08/20/76	0	0762	4147N	08318W	44.5	118.7	GGGG			21	31
5489-14570	00000/0000	1-10052/0654	08/20/76	0	0762	4021N	08348W	44.9	117.0	GGGG			21	32
5489-14573	00000/0000	1-10052/0655	08/20/76	0	0762	3856N	08416W	45.3	115.4	GGGG			21	33
5489-14575	00000/0000	1-10052/0656	08/20/76	0	0762	3730N	08444W	45.6	113.7	GGGG			21	34
5489-14582	00000/0000	1-10052/0657	08/20/76	0	0762	3605N	08510W	45.9	112.0	GGGG			21	35
5489-14584	00000/0000	1-10052/0658	08/20/76	0	0762	3440N	08536W	46.2	101.3	GGGG			21	36
5489-14591	00000/0000	1-10052/0659	08/20/76	10	0762	3315N	08602W	46.4	108.6	GGGG			21	37
5489-14593	00000/0000	1-10052/0660	08/20/76	0	0762	3150N	08627W	46.6	106.9	GGGG			21	38
5489-15000	00000/0000	1-10052/0661	08/20/76	10	0762	3024N	08652W	46.7	105.2	GGGG			21	39
5489-15002	00000/0000	1-10052/0662	08/20/76	20	0762	2858N	08717W	46.8	103.5	GGGG			21	40
5489-15005	00000/0000	1-10052/0663	08/20/76	20	0762	2731N	08740W	46.9	101.8	GGGG			21	41
5489-16375	00000/0000	1-10052/0636	08/20/76	50	0763	4854N	10621W	42.0	126.8	GGGG			39	26
5489-16381	00000/0000	1-10052/0637	08/20/76	20	0763	4729N	10658W	42.6	125.2	GGGG			39	27
5489-16384	00000/0000	1-10052/0638	08/20/76	20	0763	4604N	10733W	43.1	123.6	GGGG			39	28
5489-16390	00000/0000	1-10052/0639	08/20/76	10	0763	4438N	10806W	43.6	121.9	GGGG			39	29
5489-16393	00000/0000	1-10052/0640	08/20/76	10	0763	4312N	10838W	44.1	120.3	GGGG			39	30
5489-16395	00000/0000	1-10052/0641	08/20/76	0	0763	4147N	10909W	44.5	118.7	GGGG			39	31
5489-16402	00000/0000	1-10052/0642	08/20/76	10	0763	4021N	10939W	44.9	117.0	GGGG			39	32
5489-16404	00000/0000	1-10052/0643	08/20/76	10	0763	3856N	11008W	45.3	115.4	GGGG			39	33
5489-16411	00000/0000	1-10052/0644	08/20/76	10	0763	3731N	11037W	45.6	113.7	GGGG			39	34
5489-16413	00000/0000	1-10052/0645	08/20/76	10	0763	3606N	11104W	45.9	112.0	GGGG			39	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/29/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5489-16420	00000/0000	1-10052/0646	08/20/76	10	0763	3440N	11130W	46.2	110.3		GGGG			39	36
5489-16422	00000/0000	1-10052/0647	08/20/76	10	0763	3313N	11155W	46.4	108.6		GGGG			39	37
5489-16425	00000/0000	1-10052/0648	08/20/76	10	0763	3146N	11220W	46.6	106.9		PGGG			39	38
5489-16431	00000/0000	1-10052/0649	08/20/76	0	0763	3020N	11244W	46.7	105.2		GGGG			39	39
5490-15001	00000/0000	1-10052/0690	08/21/76	0	0776	4852N	08158W	41.8	127.1		GGGG			22	26
5490-15004	00000/0000	1-10052/0691	08/21/76	10	0776	4727N	08235W	42.3	125.5		GGGG			22	27
5490-15010	00000/0000	1-10052/0692	08/21/76	10	0776	4603N	08309W	42.9	123.9		GGGG			22	28
5490-15013	00000/0000	1-10052/0693	08/21/76	10	0776	4438N	08342W	43.4	122.3		GGGG			22	29
5490-15015	00000/0000	1-10052/0694	08/21/76	10	0776	4313N	08413W	43.9	120.7		GGGG			22	30
5490-15022	00000/0000	1-10052/0695	08/21/76	10	0776	4147N	08444W	44.3	119.0		GGGG			22	31
5490-15024	00000/0000	1-10052/0696	08/21/76	10	0776	4021N	08514W	44.7	117.4		GGGG			22	32
5490-15031	00000/0000	1-10052/0697	08/21/76	10	0776	3856N	08542W	45.1	115.7		GGGG			22	33
5490-15033	00000/0000	1-10052/0698	08/21/76	10	0776	3730N	08610W	45.4	114.1		GGGG			22	34
5490-15040	00000/0000	1-10052/0699	08/21/76	30	0776	3605N	08637W	45.7	112.4		GGGG			22	35
5490-15042	00000/0000	1-10052/0700	08/21/76	10	0776	3439N	08703W	46.0	110.7		GGGG			22	36
5490-15045	00000/0000	1-10052/0701	08/21/76	10	0776	3314N	08729W	46.2	109.1		GGGG			22	37
5490-15051	00000/0000	1-10052/0702	08/21/76	10	0776	3148N	08754W	46.4	107.4		GGGG			22	38
5490-15054	00000/0000	1-10052/0703	08/21/76	20	0776	3022N	08818W	46.6	105.7		GGGG			22	39
5490-15060	00000/0000	1-10052/0704	08/21/76	30	0776	2856N	08842W	46.7	104.0		GGGG			22	40
5490-15063	00000/0000	1-10052/0705	08/21/76	60	0776	2730N	08906W	46.8	102.3		GGGG			22	41
5490-16433	00000/0000	1-10052/0664	08/21/76	0	0777	4851N	10747W	41.7	127.1		GGGG			40	26
5490-16435	00000/0000	1-10052/0665	08/21/76	0	0777	4726N	10824W	42.3	125.5		GGGG			40	27
5490-16442	00000/0000	1-10052/0666	08/21/76	0	0777	4601N	10858W	42.9	123.9		GGGG			40	28
5490-16444	00000/0000	1-10052/0667	08/21/76	0	0777	4435N	10931W	43.4	122.3		GGGG			40	29
5490-16451	00000/0000	1-10052/0668	08/21/76	10	0777	4310N	11004W	43.8	120.7		GGGG			40	30
5490-16453	00000/0000	1-10052/0669	08/21/76	20	0777	4145N	11035W	44.3	119.0		GGGG			40	31
5490-16460	00000/0000	1-10052/0670	08/21/76	20	0777	4020N	11105W	44.7	117.4		GGGG			40	32
5490-16462	00000/0000	1-10052/0671	08/21/76	20	0777	3855N	11134W	45.1	115.7		GGGG			40	33
5490-16465	00000/0000	1-10052/0672	08/21/76	20	0777	3729N	11202W	45.4	114.1		GGGG			40	34
5490-16471	00000/0000	1-10052/0673	08/21/76	10	0777	3604N	11229W	45.7	112.4		GGGG			40	35
5490-16474	00000/0000	1-10052/0674	08/21/76	10	0777	3438N	11256W	46.0	110.7		GGGG			40	36
5490-16480	00000/0000	1-10052/0675	08/21/76	10	0777	3312N	11321W	46.2	109.1		GGGG			40	37
5490-16483	00000/0000	1-10052/0676	08/21/76	10	0777	3146N	11346W	46.4	107.4		GGGG			40	38
5490-16485	00000/0000	1-10052/0677	08/21/76	10	0777	3019N	11410W	46.6	105.7		GGFG			40	39
5491-15055	00000/0000	1-10052/0678	08/22/76	0	0790	4856N	08324W	41.5	127.4		GGGG			23	26
5491-15061	00000/0000	1-10052/0679	08/22/76	10	0790	4731N	08401W	42.1	125.8		GGFG			23	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG							
5491-15064	00000/0000	1-10052/0680	08/22/76	10	0790	4606N	08435W	42.6	124.2	GGGG			23	28
5491-15070	00000/0000	1-10052/0681	08/22/76	10	0790	4440N	08508W	43.1	122.6	GGGG			23	29
5491-15073	00000/0000	1-10052/0682	08/22/76	0	0790	4314N	08540W	43.6	121.0	GGGG			23	30
5491-15075	00000/0000	1-10052/0683	08/22/76	10	0790	4148N	08610W	44.1	119.4	GGGG			23	31
5491-15082	00000/0000	1-10052/0684	08/22/76	10	0790	4023N	08639W	44.5	117.8	GGGG			23	32
5491-15084	00000/0000	1-10052/0685	08/22/76	40	0790	3857N	08707W	44.9	116.1	GGGG			23	33
5491-15091	00000/0000	1-10052/0686	08/22/76	50	0790	3732N	08735W	45.2	114.5	GGGG			23	34
5491-15093	00000/0000	1-10052/0687	08/22/76	70	0790	3606N	08802W	45.5	112.8	GGGG			23	35
5491-15100	00000/0000	1-10052/0688	08/22/76	30	0790	3440N	08827W	45.8	111.2	GFGG			23	36
5491-15102	00000/0000	1-10052/0689	08/22/76	50	0790	3315N	08853W	46.1	109.5	GGGG			23	37
5491-16491	00000/0000	1-10053/0001	08/22/76	0	0791	4854N	10912W	41.5	127.4	FGGG			41	26
5491-16493	00000/0000	1-10053/0002	08/22/76	0	0791	4729N	10948W	42.1	125.6	FGGG			41	27
5491-16500	00000/0000	1-10053/0003	08/22/76	10	0791	4604N	11023W	42.6	124.2	FGGG			41	28
5491-16502	00000/0000	1-10053/0004	08/22/76	10	0791	4438N	11057W	43.1	122.6	FGGG			41	29
5491-16505	00000/0000	1-10053/0005	08/22/76	0	0791	4313N	11129W	43.6	121.0	GGGG			41	30
5491-16511	00000/0000	1-10053/0006	08/22/76	40	0791	4148N	11200W	44.1	119.4	FGFF			41	31
5491-16514	00000/0000	1-10053/0007	08/22/76	60	0791	4022N	11230W	44.5	117.8	FGFG			41	32
5491-16520	00000/0000	1-10053/0008	08/22/76	30	0791	3857N	11259W	44.9	116.1	GGGG			41	33
5491-16523	00000/0000	1-10053/0009	08/22/76	10	0791	3731N	11327W	45.2	114.5	GGGG			41	34
5491-16525	00000/0000	1-10053/0010	08/22/76	10	0791	3605N	11354W	45.5	112.9	FGGG			41	35
5491-16532	00000/0000	1-10053/0011	08/22/76	10	0791	3439N	11420W	45.8	111.2	GGFG			41	36
5491-16534	00000/0000	1-10053/0012	08/22/76	10	0791	3313N	11447W	46.1	109.5	GGGG			41	37
5491-16541	00000/0000	1-10053/0013	08/22/76	10	0791	3147N	11512W	46.3	107.8	FGGG			41	38
5492-15113	00000/0000	1-10052/0714	08/23/76	40	0804	4853N	08450W	41.2	127.6	GGGG			24	26
5492-15115	00000/0000	1-10052/0715	08/23/76	20	0804	4728N	08527W	41.8	126.0	GGGG			24	27
5492-15122	00000/0000	1-10052/0716	08/23/76	10	0804	4602N	08601W	42.4	124.5	GGGG			24	28
5492-15124	00000/0000	1-10052/0717	08/23/76	0	0804	4437N	08634W	42.9	122.9	GGGG			24	29
5492-15131	00000/0000	1-10052/0718	08/23/76	20	0804	4312N	08706W	43.4	121.3	GFGG			24	30
5492-15133	00000/0000	1-10052/0719	08/23/76	70	0804	4147N	08737W	43.9	119.7	GFGG			24	31
5492-15140	00000/0000	1-10052/0720	08/23/76	80	0804	4021N	08807W	44.3	118.1	GGGG			24	32
5492-15142	00000/0000	1-10052/0721	08/23/76	80	0804	3855N	08835W	44.7	116.5	GGGG			24	33
5492-15145	00000/0000	1-10052/0722	08/23/76	40	0804	3730N	08902W	45.0	114.8	GGGG			24	34
5492-15151	00000/0000	1-10052/0723	08/23/76	10	0804	3603N	08929W	45.4	113.2	GGGG			24	35
5492-15154	00000/0000	1-10052/0724	08/23/76	10	0804	3437N	08955W	45.7	111.6	FFFF			24	36
5492-15160	00000/0000	1-10052/0725	08/23/76	10	0804	3310N	09021W	45.9	109.9	GGGG			24	37
5492-15163	00000/0000	1-10052/0726	08/23/76	10	0804	3145N	09046W	46.1	108.2	GGGG			24	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5492-15165	00000/0000	1-10052/0727	08/23/76	10	0804	3019N	09111W	46.3	106.6	GGGG			24	39
5492-15172	00000/0000	1-10052/0728	08/23/76	20	0804	2854N	09136W	46.5	104.9	GGGG			24	40
5492-16565	00000/0000	1-10052/0706	08/23/76	20	0805	4148N	11325W	43.8	119.8	GGGG			42	31
5492-16571	00000/0000	1-10052/0707	08/23/76	10	0805	4022N	11356W	44.3	118.2	FGGG			42	32
5492-16574	00000/0000	1-10052/0708	08/23/76	10	0805	3856N	11425W	44.7	116.6	GGGG			42	33
5492-16580	00000/0000	1-10052/0709	08/23/76	10	0805	3731N	11453W	45.0	114.9	GGGG			42	34
5492-16583	00000/0000	1-10052/0710	08/23/76	10	0805	3605N	11521W	45.3	113.3	GGGG			42	35
5492-16585	00000/0000	1-10052/0711	08/23/76	10	0805	3439N	11546W	45.6	111.6	GGGG			42	36
5492-16592	00000/0000	1-10052/0712	08/23/76	0	0805	3312N	11611W	45.9	110.0	GGGG			42	37
5492-16594	00000/0000	1-10052/0713	08/23/76	10	0805	3146N	11636W	46.1	108.3	FGGG			42	38
5493-15171	00000/0000	1-10052/0609	08/24/76	0	0818	4853N	08616W	41.0	127.9	GGGG			25	26
5493-15173	00000/0000	1-10052/0610	08/24/76	0	0818	4728N	08652W	41.6	126.4	GGGG			25	27
5493-15180	00000/0000	1-10052/0611	08/24/76	0	0818	4603N	08727W	42.1	124.8	GGGG			25	28
5493-15182	00000/0000	1-10052/0612	08/24/76	0	0818	4438N	08800W	42.7	123.2	GGGG			25	29
5493-15185	00000/0000	1-10052/0613	08/24/76	10	0818	4312N	08831W	43.2	121.7	GGGG			25	30
5493-15191	00000/0000	1-10052/0614	08/24/76	30	0818	4147N	08902W	43.6	120.1	GGGG			25	31
5493-15194	00000/0000	1-10052/0615	08/24/76	70	0818	4022N	08930W	44.1	118.5	GGGG			25	32
5493-15200	00000/0000	1-10052/0616	08/24/76	20	0818	3857N	08957W	44.5	116.9	GGGG			25	33
5493-15203	00000/0000	1-10052/0617	08/24/76	10	0818	3731N	09025W	44.8	115.3	GGGG			25	34
5493-15205	00000/0000	1-10052/0618	08/24/76	10	0818	3605N	09052W	45.2	113.6	GGGG			25	35
5493-15214	00000/0000	1-10052/0619	08/24/76	10	0818	3312N	09146W	45.7	110.3	GGGG			25	37
5493-15221	00000/0000	1-10052/0620	08/24/76	20	0818	3146N	09213W	46.0	108.7	GGGG			25	38
5493-15223	00000/0000	1-10052/0621	08/24/76	40	0818	3020N	09237W	46.2	107.0	GGGG			25	39
5493-17002	00000/0000	1-10052/0736	08/24/76	10	0819	4852N	11205W	41.0	127.9	GGGG			43	26
5493-17005	00000/0000	1-10052/0737	08/24/76	10	0819	4727N	11241W	41.5	126.4	GGGG			43	27
5493-17011	00000/0000	1-10052/0738	08/24/76	10	0819	4602N	11316W	42.1	124.8	GGGG			43	28
5493-17014	00000/0000	1-10052/0739	08/24/76	10	0819	4436N	11349W	42.6	123.3	GGGG			43	29
5493-17020	00000/0000	1-10052/0740	08/24/76	10	0819	4311N	11421W	43.1	121.7	GGGG			43	30
5493-17023	00000/0000	1-10052/0741	08/24/76	0	0819	4145N	11452W	43.6	120.1	GGGG			43	31
5493-17025	00000/0000	1-10052/0742	08/24/76	0	0819	4020N	11522W	44.1	118.5	GGGG			43	32
5493-17032	00000/0000	1-10052/0743	08/24/76	0	0819	3855N	11552W	44.5	116.9	GGGG			43	33
5493-17034	00000/0000	1-10052/0744	08/24/76	0	0819	3731N	11620W	44.8	115.3	GGGG			43	34
5493-17041	00000/0000	1-10052/0745	08/24/76	0	0819	3605N	11647W	45.2	113.6	GGGG			43	35
5493-17043	00000/0000	1-10052/0746	08/24/76	0	0819	3437N	11712W	45.5	112.0	GGGG			43	36
5493-17050	00000/0000	1-10052/0747	08/24/76	10	0819	3309N	11738W	45.7	110.4	GGGG			43	37
5494-15225	00000/0000	1-10052/0729	08/25/76	20	0832	4854N	08742W	40.7	128.2	GGGG			26	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5494-15231	00000/0000	1-10052/0730	08/25/76	30	0832	4729N 08818W	41.3	126.7	GGGG			26	27
5494-15234	00000/0000	1-10052/0731	08/25/76	10	0832	4604N 08853W	41.9	125.1	GGGG			26	28
5494-15240	00000/0000	1-10052/0732	08/25/76	30	0832	4439N 08926W	42.4	123.6	GGGG			26	29
5494-15243	00000/0000	1-10052/0733	08/25/76	40	0832	4313N 08958W	42.9	122.0	GGGG			26	30
5494-15245	00000/0000	1-10052/0734	08/25/76	70	0832	4147N 09028W	43.4	120.5	GGGG			26	31
5494-15252	00000/0000	1-10052/0735	08/25/76	40	0832	4022N 09058W	43.8	118.9	GGFG			26	32
5494-17065	00000/0000	1-10052/0750	08/25/76	10	0833	4603N 11442W	41.8	125.2	GGGG			44	28
5494-17072	00000/0000	1-10052/0751	08/25/76	10	0833	4438N 11515W	42.4	123.6	GGGG			44	29
5494-17074	00000/0000	1-10052/0752	08/25/76	0	0833	4312N 11547W	42.9	122.0	GGGG			44	30
5494-17081	00000/0000	1-10052/0753	08/25/76	0	0833	4147N 11618W	43.4	120.5	GGGG			44	31
5494-17083	00000/0000	1-10052/0754	08/25/76	20	0833	4022N 11649W	43.8	118.9	GGGG			44	32
5494-17090	00000/0000	1-10052/0755	08/25/76	50	0833	3857N 11718W	44.2	117.3	GGGG			44	33
5494-17095	00000/0000	1-10052/0756	08/25/76	20	0833	3605N 11813W	45.0	114.1	GGGG			44	35
5494-17101	00000/0000	1-10052/0757	08/25/76	10	0833	3439N 11839W	45.3	112.4	GGGG			44	36
5494-17104	00000/0000	1-10052/0758	08/25/76	70	0833	3313N 11905W	45.6	110.8	GGGG			44	37
5495-13454	00000/0000	1-10052/0748	08/26/76	10	0845	4733N 06353W	41.0	127.0	GGGG			9	27
5495-13460	00000/0000	1-10052/0749	08/26/76	10	0845	4608N 06427W	41.6	125.5	GGGG			9	28
5495-15294	00000/0000	1-10052/0782	08/26/76	40	0846	4440N 09050W	42.1	124.0	FFGG			27	29
5495-15301	00000/0000	1-10052/0783	08/26/76	60	0846	4314N 09121W	42.7	122.4	FFGG			27	30
5495-15303	00000/0000	1-10052/0784	08/26/76	40	0846	4149N 09152W	43.1	120.8	FFGG			27	31
5495-15310	00000/0000	1-10052/0785	08/26/76	30	0846	4023N 09222W	43.6	119.3	FFGG			27	32
5495-15312	00000/0000	1-10052/0786	08/26/76	30	0846	3858N 09250W	44.0	117.7	FFGG			27	33
5495-15315	00000/0000	1-10052/0787	08/26/76	10	0846	3732N 09319W	44.4	116.1	FFGG			27	34
5495-15321	00000/0000	1-10052/0788	08/26/76	10	0846	3605N 09347W	44.8	114.5	FFGG			27	35
5495-15324	00000/0000	1-10052/0789	08/26/76	10	0846	3439N 09415W	45.1	112.9	FFGG			27	36
5495-15330	00000/0000	1-10052/0790	08/26/76	10	0846	3313N 09440W	45.4	111.3	FFGG			27	37
5495-15333	00000/0000	1-10052/0791	08/26/76	20	0846	3148N 09505W	45.6	109.6	FFGG			27	38
5495-15335	00000/0000	1-10052/0792	08/26/76	30	0846	3023N 09530W	45.9	108.0	FFGG			27	39
5495-15342	00000/0000	1-10052/0793	08/26/76	30	0846	2858N 09554W	46.0	106.3	FFGG			27	40
5495-15344	00000/0000	1-10052/0794	08/26/76	30	0846	2732N 09617W	46.2	104.7	GGGG			27	41
5495-15351	00000/0000	1-10052/0795	08/26/76	20	0846	2605N 09640W	46.3	103.0	FFGG			27	42
5495-15353	00000/0000	1-10052/0796	08/26/76	30	0846	2437N 09702W	46.3	101.4	FFGG			27	43
5495-17132	00000/0000	1-10052/0775	08/26/76	30	0847	4312N 11714W	42.6	122.4	GGGG			45	30
5495-17135	00000/0000	1-10052/0776	08/26/76	10	0847	4147N 11745W	43.1	120.9	FFGG			45	31
5495-17141	00000/0000	1-10052/0777	08/26/76	10	0847	4021N 11815W	43.6	119.3	GGGP			45	32
5495-17144	00000/0000	1-10052/0778	08/26/76	0	0847	3856N 11844W	44.0	117.7	GGGG			45	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5495-17150	00000/0000	1-10052/0779	08/26/76	0	0847	3731N	11912W	44.4	116.1	GGGG				45	34
5495-17153	00000/0000	1-10052/0780	08/26/76	0	0847	3605N	11939W	44.8	114.5	GGGG				45	35
5495-17155	00000/0000	1-10052/0781	08/26/76	10	0847	3439N	12006W	45.1	112.9	GGGG				45	36
5496-13512	00000/0000	1-10052/0759	08/27/76	70	0859	4729N	06520W	40.8	127.3	FFGF				10	27
5496-13514	00000/0000	1-10052/0760	08/27/76	90	0859	4604N	06555W	41.4	125.8	FFGF				10	28
5496-13521	00000/0000	1-10052/0761	08/27/76	100	0859	4439N	06628W	41.9	124.2	FFGG				10	29
5496-13523	00000/0000	1-10052/0762	08/27/76	90	0859	4313N	06700W	42.4	122.7	FFGG				10	30
5496-15341	00000/0000	1-10052/0763	08/27/76	80	0860	4856N	09033W	40.1	128.8	FFGG				28	26
5496-15343	00000/0000	1-10052/0764	08/27/76	60	0860	4731N	09109W	40.7	127.3	GGGG				28	27
5496-15350	00000/0000	1-10052/0765	08/27/76	40	0860	4605N	09143W	41.3	125.8	GGGG				28	28
5496-15352	00000/0000	1-10052/0766	08/27/76	20	0860	4440N	09217W	41.9	124.3	FFGG				28	29
5496-15355	00000/0000	1-10052/0767	08/27/76	20	0860	4315N	09250W	42.4	122.8	GGGG				28	30
5496-15361	00000/0000	1-10052/0768	08/27/76	10	0860	4150N	09321W	42.9	121.2	GGGG				28	31
5496-15364	00000/0000	1-10052/0769	08/27/76	10	0860	4024N	09349W	43.4	119.7	GGGG				28	32
5496-15370	00000/0000	1-10052/0770	08/27/76	10	0860	3858N	09418W	43.8	118.1	GGGG				28	33
5496-15373	00000/0000	1-10052/0771	08/27/76	0	0860	3732N	09447W	44.2	116.5	GGGG				28	34
5496-15375	00000/0000	1-10052/0772	08/27/76	0	0860	3606N	09514W	44.6	114.9	GGGG				28	35
5496-15382	00000/0000	1-10052/0773	08/27/76	10	0860	3441N	09539W	44.9	113.3	GGGG				28	36
5496-15384	00000/0000	1-10052/0774	08/27/76	0	0860	3317N	09605W	45.2	111.7	GGGG				28	37
5496-15391	00000/0000	1-10053/0051	08/27/76	10	0860	3152N	09631W	45.5	110.1	GGGG				28	38
5496-15393	00000/0000	1-10053/0052	08/27/76	10	0860	3026N	09656W	45.7	108.5	GGGG				28	39
5496-15400	00000/0000	1-10053/0053	08/27/76	10	0860	2900N	09720W	45.9	106.8	GGGG				28	40
5496-17184	00000/0000	1-10053/0054	08/27/76	0	0861	4439N	11806W	41.9	124.3	GGGG				46	29
5496-17190	00000/0000	1-10053/0055	08/27/76	0	0861	4314N	11839W	42.4	122.8	GGGG				46	30
5496-17193	00000/0000	1-10053/0056	08/27/76	0	0861	4148N	11911W	42.9	121.2	GGGG				46	31
5496-17195	00000/0000	1-10053/0057	08/27/76	0	0861	4023N	11942W	43.4	119.7	GGGG				46	32
5496-17202	00000/0000	1-10053/0058	08/27/76	0	0861	3859N	12011W	43.8	118.1	GGGG				46	33
5496-17204	00000/0000	1-10053/0059	08/27/76	0	0861	3734N	12039W	44.2	116.5	GGGG				46	34
5496-17211	00000/0000	1-10053/0060	08/27/76	10	0861	3608N	12106W	44.6	114.9	GGGG				46	35
5496-17213	00000/0000	1-10053/0061	08/27/76	10	0861	3442N	12132W	44.9	113.3	GGGG				46	36
5496-17220	00000/0000	1-10053/0062	08/27/76	70	0861	3315N	12157W	45.2	111.7	GGGG				46	37
5497-15395	00000/0000	1-10053/0014	08/28/76	90	0874	4853N	09159W	39.9	129.1	GGFG				29	26
5497-15401	00000/0000	1-10053/0015	08/28/76	80	0874	4729N	09236W	40.5	127.6	GGGG				29	27
5497-15404	00000/0000	1-10053/0016	08/28/76	50	0874	4603N	09310W	41.1	126.1	GGGG				29	28
5497-15410	00000/0000	1-10053/0017	08/28/76	10	0874	4438N	09344W	41.6	124.6	GGGG				29	29
5497-15413	00000/0000	1-10053/0018	08/28/76	0	0874	4312N	09416W	42.2	123.1	GGGG				29	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5497-15415	00000/0000	1-10053/0019	08/28/76	0	0874	4147N	09447W	42.7	121.6	GGGG			29	31
5497-15422	00000/0000	1-10053/0020	08/28/76	0	0874	4022N	09515W	43.2	120.0	GGGG			29	32
5497-15424	00000/0000	1-10053/0021	08/28/76	10	0874	3857N	09544W	43.6	118.5	GGGG			29	33
5497-15431	00000/0000	1-10053/0022	08/28/76	30	0874	3733N	09612W	44.0	116.9	GGGG			29	34
5497-15433	00000/0000	1-10053/0023	08/28/76	70	0874	3607N	09638W	44.4	115.3	GGFG			29	35
5497-15440	00000/0000	1-10053/0024	08/28/76	90	0874	3442N	09704W	44.7	113.7	FFGG			29	36
5497-15442	00000/0000	1-10053/0025	08/28/76	90	0874	3316N	09730W	45.0	112.1	FGGG			29	37
5497-15445	00000/0000	1-10053/0026	08/28/76	70	0874	3149N	09755W	45.3	110.5	FGGG			29	38
5497-17230	00000/0000	1-10053/0075	08/28/76	50	0875	4856N	11747W	39.8	129.2	GGGG			47	26
5497-17233	00000/0000	1-10053/0076	08/28/76	10	0875	4731N	11824W	40.5	127.7	FGGG			47	27
5497-17235	00000/0000	1-10053/0077	08/28/76	0	0875	4606N	11859W	41.0	126.2	GGGG			47	28
5497-17242	00000/0000	1-10053/0078	08/28/76	0	0875	4441N	11933W	41.6	124.7	GGGG			47	29
5497-17244	00000/0000	1-10053/0079	08/28/76	0	0875	4316N	12005W	42.1	123.2	GGGG			47	30
5497-17251	00000/0000	1-10053/0080	08/28/76	0	0875	4152N	12037W	42.7	121.6	GGGG			47	31
5497-17253	00000/0000	1-10053/0081	08/28/76	0	0875	4026N	12106W	43.1	120.1	GGGG			47	32
5497-17260	00000/0000	1-10053/0082	08/28/76	0	0875	3859N	12135W	43.6	118.5	GGGG			47	33
5497-17262	00000/0000	1-10053/0083	08/28/76	20	0875	3732N	12203W	44.0	117.0	GGGG			47	34
5497-17265	00000/0000	1-10053/0084	08/28/76	90	0875	3607N	12230W	44.4	115.4	GGGG			47	35
5497-17271	00000/0000	1-10053/0085	08/28/76	100	0875	3441N	12256W	44.7	113.8	GGGG			47	36
5498-15452	00000/0000	1-10053/0063	08/29/76	20	0888	4854N	09325W	39.6	129.4	GGGG			30	26
5498-15455	00000/0000	1-10053/0064	08/29/76	10	0888	4729N	09401W	40.2	127.9	GGGG			30	27
5498-15461	00000/0000	1-10053/0065	08/29/76	20	0888	4604N	09436W	40.8	126.5	GGGG			30	28
5498-15464	00000/0000	1-10053/0066	08/29/76	20	0888	4439N	09509W	41.4	125.0	GGGG			30	29
5498-15470	00000/0000	1-10053/0067	08/29/76	10	0888	4314N	09542W	41.9	123.5	FFFF			30	30
5498-15473	00000/0000	1-10053/0068	08/29/76	0	0888	4149N	09612W	42.4	121.9	GGGG			30	31
5498-15475	00000/0000	1-10053/0069	08/29/76	0	0888	4023N	09641W	42.9	120.4	GGGG			30	32
5498-15482	00000/0000	1-10053/0070	08/29/76	0	0888	3858N	09709W	43.4	118.9	GGFG			30	33
5498-15484	00000/0000	1-10053/0071	08/29/76	0	0888	3732N	09737W	43.8	117.3	GGGG			30	34
5498-15491	00000/0000	1-10053/0072	08/29/76	0	0888	3607N	09803W	44.2	115.7	GGGG			30	35
5498-15493	00000/0000	1-10053/0073	08/29/76	10	0888	3441N	09829W	44.5	114.2	GGGG			30	36
5498-15502	00000/0000	1-10053/0074	08/29/76	70	0888	3148N	09923W	45.1	111.0	GGGG			30	38
5498-17291	00000/0000	1-10053/0086	08/29/76	10	0889	4729N	11951W	40.2	127.9	GGGG			48	27
5498-17293	00000/0000	1-10053/0087	08/29/76	10	0889	4603N	12026W	40.8	126.5	GGGG			48	28
5498-17300	00000/0000	1-10053/0088	08/29/76	10	0889	4438N	12059W	41.4	125.0	GGGG			48	29
5498-17302	00000/0000	1-10053/0089	08/29/76	0	0889	4313N	12131W	41.9	123.5	GGGG			48	30
5498-17305	00000/0000	1-10053/0090	08/29/76	0	0889	4148N	12202W	42.4	121.9	GGGG			48	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5498-17311	00000/0000	1-10053/0091	08/29/76	0	0889	4022N	12232W	42.9	120.4		GGGG			48	32
5498-17314	00000/0000	1-10053/0092	08/29/76	20	0889	3857N	12301W	43.4	118.9		GGGG			48	33
5498-17320	00000/0000	1-10053/0093	08/29/76	90	0889	3731N	12329W	43.8	117.3		GGGG			48	34
5498-17323	00000/0000	1-10053/0094	08/29/76	100	0889	3604N	12356W	44.2	115.8		GGGG			48	35
5499-15510	00000/0000	1-10053/0038	08/30/76	10	0902	4855N	09450W	39.3	129.7		GGGG			31	26
5499-15513	00000/0000	1-10053/0039	08/30/76	0	0902	4731N	09527W	39.9	128.3		GGGG			31	27
5499-15515	00000/0000	1-10053/0040	08/30/76	10	0902	4606N	09602W	40.5	126.8		GGGG			31	28
5499-15522	00000/0000	1-10053/0041	08/30/76	10	0902	4440N	09635W	41.1	125.3		GGGG			31	29
5499-15524	00000/0000	1-10053/0042	08/30/76	10	0902	4315N	09707W	41.7	123.8		GGGG			31	30
5499-15531	00000/0000	1-10053/0043	08/30/76	10	0902	4149N	09738W	42.2	122.3		GGGG			31	31
5499-15533	00000/0000	1-10053/0044	08/30/76	10	0902	4024N	09807W	42.7	120.8		GGGG			31	32
5499-15540	00000/0000	1-10053/0045	08/30/76	50	0902	3859N	09836W	43.2	119.3		GGGG			31	33
5499-15542	00000/0000	1-10053/0046	08/30/76	90	0902	3733N	09903W	43.6	117.7		GGGG			31	34
5499-15545	00000/0000	1-10053/0047	08/30/76	90	0902	3607N	09930W	44.0	116.2		GGGG			31	35
5499-15551	00000/0000	1-10053/0048	08/30/76	90	0902	3441N	09956W	44.3	114.6		GGGG			31	36
5499-15554	00000/0000	1-10053/0049	08/30/76	90	0902	3315N	10022W	44.7	113.0		GGGG			31	37
5499-15560	00000/0000	1-10053/0050	08/30/76	90	0902	3149N	10048W	45.0	111.4		GGGG			31	38
5499-17362	00000/0000	1-10053/0027	08/30/76	20	0903	4150N	12326W	42.2	122.3		GGGG			49	31
5499-17365	00000/0000	1-10053/0028	08/30/76	30	0903	4024N	12356W	42.7	120.8		GFGG			49	32
5499-17371	00000/0000	1-10053/0029	08/30/76	90	0903	3857N	12426W	43.1	119.3		FFGG			49	33
5499-17374	00000/0000	1-10053/0030	08/30/76	100	0903	3730N	12454W	43.6	117.7		GGGG			49	34
5500-14151	00000/0000	1-10053/0031	08/31/76	10	0915	4318N	07243W	41.4	124.2		GGGG			14	30
5500-14153	00000/0000	1-10053/0032	08/31/76	10	0915	4153N	07314W	42.0	122.7		GGGG			14	31
5500-14160	00000/0000	1-10053/0033	08/31/76	0	0915	4027N	07344W	42.5	121.2		GGFG			14	32
5500-14162	00000/0000	1-10053/0034	08/31/76	0	0915	3901N	07413W	42.9	119.7		GGFG			14	33
5500-14165	00000/0000	1-10053/0035	08/31/76	10	0915	3735N	07441W	43.4	118.1		GGFF			14	34
5500-14171	00000/0000	1-10053/0036	08/31/76	20	0915	3608N	07507W	43.8	116.6		GFGG			14	35
5500-14174	00000/0000	1-10053/0037	08/31/76	30	0915	3441N	07533W	44.2	115.0		GGGG			14	36
5500-15564	00000/0000	1-10053/0095	08/31/76	10	0916	4856N	09617W	39.0	130.0		GGGG			32	26
5500-15571	00000/0000	1-10053/0096	08/31/76	20	0916	4731N	09653W	39.7	128.6		GFGG			32	27
5500-15573	00000/0000	1-10053/0097	08/31/76	90	0916	4607N	09728W	40.3	127.1		GGGG			32	28
5500-15580	00000/0000	1-10053/0098	08/31/76	80	0916	4442N	09801W	40.9	125.7		GGGG			32	29
5500-15582	00000/0000	1-10053/0099	08/31/76	60	0916	4316N	09833W	41.4	124.2		GGGG			32	30
5500-15585	00000/0000	1-10053/0100	08/31/76	80	0916	4150N	09903W	41.9	122.7		FGGG			32	31
5500-15591	00000/0000	1-10053/0101	08/31/76	40	0916	4024N	09933W	42.5	121.2		GFGG			32	32
5500-15594	00000/0000	1-10053/0102	08/31/76	30	0916	3858N	10002W	42.9	119.7		GFGG			32	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5500-16000	00000/0000	1-10053/0103	08/31/76	50	0916	3733N	10030W	43.4	118.2		GGGG			32	34
5500-16003	00000/0000	1-10053/0104	08/31/76	30	0916	3607N	10057W	43.8	116.6		GGGG			32	35
5500-16005	00000/0000	1-10053/0105	08/31/76	30	0916	3441N	10124W	44.2	115.1		GGGG			32	36
5500-16012	00000/0000	1-10053/0106	08/31/76	70	0916	3315N	10150W	44.5	113.5		GGGG			32	37
5500-17400	00000/0000	1-10053/0107	08/31/76	10	0917	4856N	12205W	39.0	130.1		GGGG			50	26
5500-17402	00000/0000	1-10053/0108	08/31/76	30	0917	4731N	12242W	39.6	128.6		GFGG			50	27
5500-17405	00000/0000	1-10053/0109	08/31/76	30	0917	4605N	12317W	40.3	127.1		GGGG			50	28
5500-17411	00000/0000	1-10053/0110	08/31/76	40	0917	4440N	12350W	40.8	125.7		GGGG			50	29
5500-17414	00000/0000	1-10053/0111	08/31/76	50	0917	4314N	12422W	41.4	124.2		GGGG			50	30
5500-17420	00000/0000	1-10053/0112	08/31/76	80	0917	4149N	12453W	41.9	122.7		GFGG			50	31
5500-17423	00000/0000	1-10053/0113	08/31/76	90	0917	4023N	12523W	42.4	121.2		GGGG			50	32
5500-17425	00000/0000	1-10053/0114	08/31/76	100	0917	3857N	12552W	42.9	119.7		GGGG			50	33
5501-14214	00000/0000	1-10053/0115	09/01/76	10	0929	4022N	07511W	42.2	121.5		GGGG			15	32
5501-14220	00000/0000	1-10053/0116	09/01/76	10	0929	3856N	07540W	42.7	120.0		GGGG	H		15	33
5501-14223	00000/0000	1-10053/0117	09/01/76	10	0929	3730N	07607W	43.2	118.5		GGGG	H		15	34
5501-14225	00000/0000	1-10053/0118	09/01/76	10	0929	3605N	07634W	43.6	117.0		GGGG	H		15	35
5501-16022	00000/0000	1-10053/0135	09/01/76	70	0930	4853N	09744W	38.8	130.3		GGGG			33	26
5501-16025	00000/0000	1-10053/0136	09/01/76	70	0930	4727N	09821W	39.4	128.9		GGGG			33	27
5501-16031	00000/0000	1-10053/0137	09/01/76	10	0930	4601N	09855W	40.0	127.4		GGGG			33	28
5501-16034	00000/0000	1-10053/0138	09/01/76	10	0930	4436N	09928W	40.6	126.0		FGGG			33	29
5501-16040	00000/0000	1-10053/0139	09/01/76	0	0930	4312N	10000W	41.2	124.5		GGGG			33	30
5501-16043	00000/0000	1-10053/0140	09/01/76	10	0930	4147N	10031W	41.7	123.0		GGGG			33	31
5501-16045	00000/0000	1-10053/0141	09/01/76	10	0930	4022N	10100W	42.2	121.5		GGGG			33	32
5501-16052	00000/0000	1-10053/0142	09/01/76	30	0930	3856N	10129W	42.7	120.0		GGGG			33	33
5501-16054	00000/0000	1-10053/0143	09/01/76	30	0930	3730N	10157W	43.2	118.5		GGGG			33	34
5501-16061	00000/0000	1-10053/0144	09/01/76	30	0930	3604N	10224W	43.6	117.0		GGGG			33	35
5501-16063	00000/0000	1-10053/0145	09/01/76	40	0930	3439N	10251W	44.0	115.4		FFGG			33	36
5501-16070	00000/0000	1-10053/0146	09/01/76	30	0930	3313N	10317W	44.3	113.9		GGGG			33	37
5501-16072	00000/0000	1-10053/0147	09/01/76	70	0930	3146N	10341W	44.6	112.3		FGGG			33	38
5501-16075	00000/0000	1-10053/0148	09/01/76	90	0930	3019N	10405W	44.9	110.7		GGGG			33	39
5501-17454	00000/0000	1-10053/0119	09/01/76	30	0931	4853N	12333W	38.7	130.3		GGGG			51	26
5501-17460	00000/0000	1-10053/0120	09/01/76	80	0931	4728N	12409W	39.4	128.9		GGGG			51	27
5501-17463	00000/0000	1-10053/0121	09/01/76	90	0931	4602N	12443W	40.0	127.4		GGGG			51	28
5501-17465	00000/0000	1-10053/0122	09/01/76	90	0931	4437N	12517W	40.6	126.0		GGGG			51	29
5501-17472	00000/0000	1-10053/0123	09/01/76	90	0931	4311N	12549W	41.2	124.5		GGGG			51	30
5502-14251	00000/0000	1-10053/0124	09/02/76	20	0943	4731N	07353W	39.1	129.2		GGGG			16	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5502-14254	00000/0000	1-10053/0125	09/02/76	10	0943	4606N	07428W	39.8	127.7		GGGG			16	28
5502-14260	00000/0000	1-10053/0126	09/02/76	10	0943	4440N	07502W	40.4	126.3		GGGG			16	29
5502-14263	00000/0000	1-10053/0127	09/02/76	40	0943	4314N	07536W	40.9	124.9		GGGG			16	30
5502-14265	00000/0000	1-10053/0128	09/02/76	90	0943	4148N	07607W	41.5	123.4		GGGG			16	31
5502-14272	00000/0000	1-10053/0129	09/02/76	90	0943	4022N	07637W	42.0	121.9		GGGG			16	32
5502-14274	00000/0000	1-10053/0130	09/02/76	90	0943	3856N	07705W	42.5	120.4		GGGG			16	33
5502-14281	00000/0000	1-10053/0131	09/02/76	100	0943	3731N	07732W	43.0	118.9		GGGG			16	34
5502-14283	00000/0000	1-10053/0132	09/02/76	90	0943	3606N	07759W	43.4	117.4		GGGG			16	35
5502-14290	00000/0000	1-10053/0133	09/02/76	70	0943	3441N	07825W	43.8	115.9		GGGG			16	36
5502-14292	00000/0000	1-10053/0134	09/02/76	40	0943	3314N	07852W	44.1	114.3		FFFF			16	37
5502-16080	00000/0000	1-10053/0149	09/02/76	30	0944	4854N	09909W	38.5	130.6		GGGG			34	26
5502-16083	00000/0000	1-10053/0150	09/02/76	0	0944	4729N	09946W	39.1	129.2		GGGG			34	27
5502-16085	00000/0000	1-10053/0151	09/02/76	0	0944	4604N	10020W	39.7	127.8		GGGG			34	28
5502-16092	00000/0000	1-10053/0152	09/02/76	0	0944	4498N	10053W	40.3	126.3		GGGG			34	29
5502-16094	00000/0000	1-10053/0153	09/02/76	0	0944	4313N	10125W	40.9	124.9		GGGG			34	30
5502-16101	00000/0000	1-10053/0154	09/02/76	0	0944	4147N	10156W	41.5	123.4		GGGG			34	31
5502-16103	00000/0000	1-10053/0155	09/02/76	0	0944	4022N	10227W	42.0	121.9		GGGG			34	32
5502-16110	00000/0000	1-10053/0156	09/02/76	0	0944	3857N	10256W	42.5	120.4		GGGG			34	33
5502-16112	00000/0000	1-10053/0157	09/02/76	10	0944	3731N	10324W	42.9	118.9		GGGG			34	34
5502-16115	00000/0000	1-10053/0158	09/02/76	10	0944	3605N	10351W	43.4	117.4		GGGG			34	35
5502-16121	00000/0000	1-10053/0159	09/02/76	20	0944	3440N	10417W	43.8	115.9		GGGG			34	36
5502-16124	00000/0000	1-10053/0160	09/02/76	40	0944	3314N	10443W	44.1	114.3		GGGG			34	37
5502-16130	00000/0000	1-10053/0161	09/02/76	90	0944	3148N	10508W	44.5	112.8		GGGG			34	38
5502-16133	00000/0000	1-10053/0162	09/02/76	90	0944	3022N	10533W	44.8	111.2		GGGG			34	39
5502-16135	00000/0000	1-10053/0163	09/02/76	90	0944	2856N	10556W	45.0	109.6		GGGG			34	40
5503-14305	00000/0000	1-10053/0179	09/03/76	90	0957	4727N	07522W	38.9	129.4		GGGG			17	27
5503-14312	00000/0000	1-10053/0180	09/03/76	30	0957	4601N	07557W	39.5	128.0		GGGG			17	28
5503-14314	00000/0000	1-10053/0181	09/03/76	10	0957	4436N	07631W	40.1	126.6		GGGG			17	29
5503-14321	00000/0000	1-10053/0182	09/03/76	10	0957	4311N	07703W	40.7	125.2		GGGG			17	30
5503-14323	00000/0000	1-10053/0183	09/03/76	10	0957	4146N	07734W	41.3	123.7		GGGG			17	31
5503-14330	00000/0000	1-10053/0184	09/03/76	40	0957	4021N	07804W	41.8	122.2		GGGG			17	32
5503-14332	00000/0000	1-10053/0185	09/03/76	90	0957	3855N	07832W	42.3	120.8		GGGG			17	33
5503-16134	00000/0000	1-10053/0164	09/03/76	0	0958	4855N	10034W	38.2	130.9		GGGG			35	26
5503-16141	00000/0000	1-10053/0165	09/03/76	0	0958	4730N	10110W	38.8	129.5		GGGG			35	27
5503-16143	00000/0000	1-10053/0166	09/03/76	0	0958	4603N	10145W	39.5	128.1		FGGG			35	28
5503-16150	00000/0000	1-10053/0167	09/03/76	0	0958	4437N	10219W	40.1	126.7		GGGG			35	29

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5503-16152	00000/0000	1-10053/0168	09/03/76	0	0958	4312N 10252W	40.7	125.2	GGGG			35	30
5503-16155	00000/0000	1-10053/0169	09/03/76	0	0958	4146N 10323W	41.2	123.8	GGGG			35	31
5503-16161	00000/0000	1-10053/0170	09/03/76	0	0958	4022N 10353W	41.7	122.3	FFFG			35	32
5503-16164	00000/0000	1-10053/0171	09/03/76	0	0958	3857N 10422W	42.2	120.8	FFFF			35	33
5503-16170	00000/0000	1-10053/0172	09/03/76	0	0958	3733N 10451W	42.7	119.4	GGGG			35	34
5503-16173	00000/0000	1-10053/0173	09/03/76	10	0958	3608N 10518W	43.2	117.8	GGGG			35	35
5503-16175	00000/0000	1-10053/0174	09/03/76	10	0958	3441N 10545W	43.6	116.3	GGGG			35	36
5503-16182	00000/0000	1-10053/0175	09/03/76	10	0958	3316N 10611W	43.9	114.8	GGGG			35	37
5503-16184	00000/0000	1-10053/0176	09/03/76	10	0958	3150N 10636W	44.3	113.2	GGGG			35	38
5503-16191	00000/0000	1-10053/0177	09/03/76	10	0958	3024N 10700W	44.6	111.7	GGGG			35	39
5503-16193	00000/0000	1-10053/0178	09/03/76	50	0958	2857N 10724W	44.9	110.1	GGGG			35	40
5504-14372	00000/0000	1-10053/0186	09/04/76	60	0971	4436N 07757W	39.8	126.9	GGGG			18	29
5504-14374	00000/0000	1-10053/0187	09/04/76	70	0971	4311N 07829W	40.4	125.5	GGGG			18	30
5504-14381	00000/0000	1-10053/0188	09/04/76	70	0971	4146N 07900W	41.0	124.1	GGFG			18	31
5504-14383	00000/0000	1-10053/0189	09/04/76	50	0971	4020N 07930W	41.5	122.6	GGGG			18	32
5504-14390	00000/0000	1-10053/0190	09/04/76	60	0971	3855N 07959W	42.0	121.2	GGGG			18	33
5504-14392	00000/0000	1-10053/0191	09/04/76	50	0971	3729N 08027W	42.5	119.7	GGGG			18	34
5504-14395	00000/0000	1-10053/0192	09/04/76	60	0971	3604N 08053W	43.0	118.2	GGGG			18	35
5504-14401	00000/0000	1-10053/0193	09/04/76	50	0971	3438N 08118W	43.4	116.7	GGGG			18	36
5504-14404	00000/0000	1-10053/0194	09/04/76	60	0971	3313N 08143W	43.8	115.2	GGGG			18	37
5504-14410	00000/0000	1-10053/0195	09/04/76	80	0971	3147N 08208W	44.1	113.6	GGGG			18	38
5504-14413	00000/0000	1-10053/0196	09/04/76	70	0971	3021N 08232W	44.4	112.1	GGGG			18	39
5504-14415	00000/0000	1-10053/0198	09/04/76	40	0971	2855N 08256W	44.7	110.5	GG			18	40
5504-14422	00000/0000	1-10053/0197	09/04/76	60	0971	2728N 08320W	45.0	109.0	GGGG		H	18	41
5504-16192	00000/0000	1-10053/0201	09/04/76	20	0972	4852N 10202W	37.9	131.2	GGGG			36	26
5504-16195	00000/0000	1-10053/0202	09/04/76	10	0972	4726N 10238W	38.6	129.8	GGGG			36	27
5504-16201	00000/0000	1-10053/0203	09/04/76	10	0972	4600N 10313W	39.2	128.4	GGGG			36	28
5504-16204	00000/0000	1-10053/0204	09/04/76	0	0972	4434N 10346W	39.8	127.0	GGGG			36	29
5504-16210	00000/0000	1-10053/0205	09/04/76	0	0972	4309N 10418W	40.4	125.5	GGG			36	30
5504-16213	00000/0000	1-10053/0206	09/04/76	0	0972	4145N 10450W	41.0	124.1	GGGG			36	31
5504-16215	00000/0000	1-10053/0207	09/04/76	10	0972	4020N 10521W	41.5	122.7	GGGG			36	32
5504-16222	00000/0000	1-10053/0208	09/04/76	10	0972	3855N 10549W	42.0	121.2	GGGG			36	33
5504-16224	00000/0000	1-10053/0209	09/04/76	10	0972	3730N 10617W	42.5	119.7	GGGG			36	34
5504-16231	00000/0000	1-10053/0210	09/04/76	10	0972	3604N 10645W	43.0	118.2	GGGG			36	35
5504-16233	00000/0000	1-10053/0211	09/04/76	10	0972	3439N 10712W	43.4	116.7	GGGG			36	36
5504-16240	00000/0000	1-10053/0212	09/04/76	20	0972	3313N 10737W	43.8	115.2	GGGG			36	37

KEYS: CLOUD COVER % 0 TO 100 = X CLOUD COVER,
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5504-16242	00000/0000	1-10053/0213	09/04/76	50	0972	3146N	10802W	44.1	113.7	GGGG			36	38
5504-16245	00000/0000	1-10053/0214	09/04/76	70	0972	3019N	10826W	44.4	112.1	GGGG			36	39
5504-16251	00000/0000	1-10053/0215	09/04/76	80	0972	2852N	10850W	44.7	110.5	GGGG			36	40
5505-14432	00000/0000	1-10053/0230	09/05/76	80	0985	4312N	07956W	40.2	125.9	GGGG			19	30
5505-14435	00000/0000	1-10053/0231	09/05/76	90	0985	4147N	08026W	40.7	124.5	GGGG			19	31
5505-14441	00000/0000	1-10053/0232	09/05/76	70	0985	4022N	08056W	41.3	123.0	GGGG			19	32
5505-14444	00000/0000	1-10053/0233	09/05/76	50	0985	3856N	08124W	41.8	121.6	FFGG			19	33
5505-14450	00000/0000	1-10053/0234	09/05/76	70	0985	3731N	08151W	42.3	120.1	GGGG			19	34
5505-14453	00000/0000	1-10053/0235	09/05/76	70	0985	3605N	08218W	42.8	118.6	GGGF			19	35
5505-14455	00000/0000	1-10053/0236	09/05/76	80	0985	3438N	08244W	43.2	117.1	GGGG			19	36
5505-14462	00000/0000	1-10053/0237	09/05/76	70	0985	3312N	08310W	43.6	115.6	GGGF			19	37
5505-14464	00000/0000	1-10053/0238	09/05/76	80	0985	3147N	08335W	43.9	114.1	FFGG			19	38
5505-14471	00000/0000	1-10053/0239	09/05/76	90	0985	3021N	08400W	44.3	112.6	GGGG			19	39
5505-16250	00000/0000	1-10053/0216	09/05/76	10	0986	4853N	10329W	37.6	131.5	GGGG			37	26
5505-16252	00000/0000	1-10053/0217	09/05/76	0	0986	4727N	10405W	38.3	130.1	GGFG			37	27
5505-16255	00000/0000	1-10053/0218	09/05/76	0	0986	4601N	10439W	38.9	128.7	GGFG			37	28
5505-16261	00000/0000	1-10053/0219	09/05/76	0	0986	4435N	10513W	39.6	127.3	FFGG			37	29
5505-16264	00000/0000	1-10053/0220	09/05/76	0	0986	4309N	10544W	40.2	125.9	GGFG			37	30
5505-16270	00000/0000	1-10053/0221	09/05/76	0	0986	4144N	10615W	40.7	124.5	FFGG			37	31
5505-16273	00000/0000	1-10053/0222	09/05/76	10	0986	4019N	10645W	41.3	123.0	GGFG			37	32
5505-16275	00000/0000	1-10053/0223	09/05/76	10	0986	3854N	10714W	41.8	121.6	FFGG			37	33
5505-16282	00000/0000	1-10053/0224	09/05/76	10	0986	3729N	10742W	42.3	120.1	FFFG			37	34
5505-16284	00000/0000	1-10053/0225	09/05/76	10	0986	3603N	10810W	42.7	118.6	GGGG			37	35
5505-16291	00000/0000	1-10053/0226	09/05/76	60	0986	3437N	10837W	43.2	117.2	GGFG			37	36
5505-16293	00000/0000	1-10053/0227	09/05/76	90	0986	3312N	10903W	43.6	115.6	GGFG			37	37
5505-16300	00000/0000	1-10053/0228	09/05/76	80	0986	3147N	10928W	43.9	114.1	GGFG			37	38
5505-16302	00000/0000	1-10053/0229	09/05/76	70	0986	3018N	10951W	44.3	112.6	FFGG			37	39
5506-14472	00000/0000	1-10053/0240	09/06/76	10	0999	4853N	07905W	37.3	131.8	GGGG			20	26
5506-14475	00000/0000	1-10053/0241	09/06/76	10	0999	4728N	07940W	38.0	130.4	GGGG			20	27
5506-14481	00000/0000	1-10053/0242	09/06/76	10	0999	4603N	08015W	38.7	129.0	GGGG			20	28
5506-14484	00000/0000	1-10053/0243	09/06/76	10	0999	4438N	08048W	39.3	127.6	GGGG			20	29
5506-14490	00000/0000	1-10053/0244	09/06/76	10	0999	4312N	08120W	39.9	126.2	GGGG			20	30
5506-14493	00000/0000	1-10053/0245	09/06/76	10	0999	4147N	08152W	40.5	124.8	GGGG			20	31
5506-14495	00000/0000	1-10053/0246	09/06/76	10	0999	4021N	08222W	41.0	123.4	GGGG			20	32
5506-14502	00000/0000	1-10053/0247	09/06/76	0	0999	3855N	08250W	41.6	122.0	GGGG			20	33
5506-14504	00000/0000	1-10053/0248	09/06/76	10	0999	3729N	08318W	42.1	120.5	GGGG			20	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5506-14511	00000/0000	1-10053/0249	09/06/76	40	0999	3604N	08345W	42.5	119.1		GGGG			20	35
5506-14513	00000/0000	1-10053/0250	09/06/76	50	0999	3438N	08410W	43.0	117.6		GGGG			20	36
5506-16304	00000/0000	1-10053/0251	09/06/76	20	1000	4852N	10453W	37.3	131.8		FGGG			38	26
5506-16310	00000/0000	1-10053/0252	09/06/76	60	1000	4727N	10529W	38.0	130.4		GGGG			38	27
5506-16313	00000/0000	1-10053/0253	09/06/76	60	1000	4601N	10604W	38.7	129.0		GGGG			38	28
5506-16315	00000/0000	1-10053/0254	09/06/76	50	1000	4436N	10637W	39.3	127.7		GGGG			38	29
5506-16322	00000/0000	1-10053/0255	09/06/76	70	1000	4310N	10709W	39.9	126.3		GGGG			38	30
5506-16324	00000/0000	1-10053/0256	09/06/76	80	1000	4145N	10740W	40.5	124.9		GGGG			38	31
5506-16331	00000/0000	1-10053/0257	09/06/76	70	1000	4020N	10810W	41.0	123.4		GGGG			38	32
5506-16333	00000/0000	1-10053/0258	09/06/76	90	1000	3854N	10839W	41.6	122.0		GGGG			38	33
5506-16340	00000/0000	1-10053/0259	09/06/76	80	1000	3729N	10908W	42.1	120.5		GGGG			38	34
5506-16342	00000/0000	1-10053/0260	09/06/76	60	1000	3604N	10936W	42.5	119.1		GGGG			38	35
5506-16345	00000/0000	1-10053/0261	09/06/76	30	1000	3439N	11003W	43.0	117.6		GGGG			38	36
5506-16351	00000/0000	1-10053/0262	09/06/76	40	1000	3314N	11028W	43.4	116.1		FGGG			38	37
5506-16354	00000/0000	1-10053/0263	09/06/76	50	1000	3147N	11052W	43.7	114.6		GGGG			38	38
5506-16360	00000/0000	1-10053/0264	09/06/76	80	1000	3020N	11116W	44.1	113.1		GGGG			38	39
5506-19523	00000/0000	1-10053/0199	09/06/76	20	1002	6412N	14650W	28.6	147.8		GGGG			74	15
5506-19530	00000/0000	1-10053/0200	09/06/76	40	1002	6251N	14804W	29.4	146.2		GGGG			74	16
5507-14530	00000/0000	1-10053/0265	09/07/76	10	1013	4853N	08030W	37.0	132.1		GGGG			21	26
5507-14533	00000/0000	1-10053/0266	09/07/76	10	1013	4728N	08106W	37.7	130.7		GGGG			21	27
5507-14535	00000/0000	1-10053/0267	09/07/76	10	1013	4603N	08141W	38.4	129.4		GGGG			21	28
5507-14542	00000/0000	1-10053/0268	09/07/76	30	1013	4438N	08214W	39.0	128.0		GGGG			21	29
5507-14544	00000/0000	1-10053/0269	09/07/76	40	1013	4313N	08246W	39.6	126.6		GGGG			21	30
5507-14551	00000/0000	1-10053/0270	09/07/76	10	1013	4147N	08317W	40.2	125.2		GGGG			21	31
5507-14553	00000/0000	1-10053/0271	09/07/76	0	1013	4022N	08347W	40.8	123.8		GGGG			21	32
5507-14560	00000/0000	1-10053/0272	09/07/76	10	1013	3856N	08415W	41.3	122.4		GGGG			21	33
5507-14562	00000/0000	1-10053/0273	09/07/76	10	1013	3730N	08443W	41.8	120.9		GGGG			21	34
5507-14565	00000/0000	1-10053/0274	09/07/76	30	1013	3604N	08510W	42.3	119.5		GGGG			21	35
5507-14571	00000/0000	1-10053/0275	09/07/76	80	1013	3439N	08536W	42.8	118.0		GGGG			21	36
5507-14574	00000/0000	1-10053/0276	09/07/76	90	1013	3313N	08601W	43.2	116.5		GGGG			21	37
5508-14584	00000/0000	1-10053/0409	09/08/76	0	1027	4854N	08156W	36.7	132.4		GGGG			22	26
5508-14591	00000/0000	1-10053/0410	09/08/76	0	1027	4729N	08232W	37.4	131.1		GGGG			22	27
5508-14593	00000/0000	1-10053/0411	09/08/76	0	1027	4604N	08307W	38.1	129.7		GGGG			22	28
5508-15000	00000/0000	1-10053/0412	09/08/76	0	1027	4439N	08340W	38.7	128.3		GGGG			22	29
5508-15002	00000/0000	1-10053/0413	09/08/76	0	1027	4314N	08413W	39.4	127.0		GGGG			22	30
5508-15005	00000/0000	1-10053/0414	09/08/76	0	1027	4148N	08444W	40.0	125.6		GGGG			22	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5508-15011	00000/0000	1-10053/0415	09/08/76	10	1027	4023N	08515W	40.5	124.2	GGGG			22	32
5508-15014	00000/0000	1-10053/0416	09/08/76	10	1027	3858N	08543W	41.1	122.8	GGGG			22	33
5508-15020	00000/0000	1-10053/0417	09/08/76	10	1027	3731N	08609W	41.6	121.4	GGGG			22	34
5508-16420	00000/0000	1-10053/0277	09/08/76	50	1028	4853N	10745W	36.7	132.4	GGGG			40	26
5508-16422	00000/0000	1-10053/0278	09/08/76	30	1028	4728N	10822W	37.4	131.1	GGGF			40	27
5508-16425	00000/0000	1-10053/0279	09/08/76	10	1028	4603N	10856W	38.1	129.7	GGFF			40	28
5508-16431	00000/0000	1-10053/0280	09/08/76	20	1028	4437N	10930W	38.7	128.4	GGGG			40	29
5508-16434	00000/0000	1-10053/0281	09/08/76	10	1028	4312N	11002W	39.4	127.0	GGGG			40	30
5508-16440	00000/0000	1-10053/0282	09/08/76	10	1028	4146N	11033W	40.0	125.6	GGGG			40	31
5508-16443	00000/0000	1-10053/0283	09/08/76	10	1028	4021N	11102W	40.5	124.2	GGGG			40	32
5508-16445	00000/0000	1-10053/0284	09/08/76	10	1028	3855N	11131W	41.1	122.8	GGGG			40	33
5508-16452	00000/0000	1-10053/0285	09/08/76	10	1028	3730N	11200W	41.6	121.4	GGGG			40	34
5508-16454	00000/0000	1-10053/0286	09/08/76	10	1028	3604N	11227W	42.1	119.9	FGGG			40	35
5508-16461	00000/0000	1-10053/0287	09/08/76	0	1028	3438N	11253W	42.5	118.5	GGFG			40	36
5508-16463	00000/0000	1-10053/0288	09/08/76	0	1028	3312N	11319W	43.0	117.0	GGGG			40	37
5508-16470	00000/0000	1-10053/0289	09/08/76	20	1028	3146N	11345W	43.4	115.5	GGGG			40	38
5508-16472	00000/0000	1-10053/0290	09/08/76	90	1028	3020N	11409W	43.7	114.0	GGGG			40	39
5509-16474	00000/0000	1-10053/0291	09/09/76	0	1042	4850N	10912W	36.4	132.7	GGGG			41	26
5509-16480	00000/0000	1-10053/0292	09/09/76	0	1042	4725N	10949W	37.1	131.3	GGGG			41	27
5509-16483	00000/0000	1-10053/0293	09/09/76	0	1042	4600N	11023W	37.8	130.0	GGGG			41	28
5509-16485	00000/0000	1-10053/0294	09/09/76	0	1042	4435N	11057W	38.5	128.7	FGGG			41	29
5509-16492	00000/0000	1-10053/0295	09/09/76	0	1042	4310N	11129W	39.1	127.3	GGGG			41	30
5509-16494	00000/0000	1-10053/0296	09/09/76	0	1042	4144N	11159W	39.7	125.9	GGGG			41	31
5509-16501	00000/0000	1-10053/0297	09/09/76	0	1042	4018N	11229W	40.3	124.6	GGGG			41	32
5509-16503	00000/0000	1-10053/0298	09/09/76	10	1042	3853N	11258W	40.8	123.2	GGGG			41	33
5509-16510	00000/0000	1-10053/0299	09/09/76	60	1042	3727N	11326W	41.4	121.7	GGGG			41	34
5509-16512	00000/0000	1-10053/0300	09/09/76	90	1042	3601N	11353W	41.9	120.3	GGGG			41	35
5509-16515	00000/0000	1-10053/0301	09/09/76	100	1042	3435N	11420W	42.3	118.9	GGGG			41	36
5509-16521	00000/0000	1-10053/0302	09/09/76	100	1042	3309N	11446W	42.8	117.4	GGGG			41	37
5509-16524	00000/0000	1-10053/0303	09/09/76	100	1042	3145N	11512W	43.2	115.9	GGGG			41	38
5510-15100	00000/0000	1-10053/0333	09/10/76	20	1055	4854N	08448W	36.2	133.0	GGGG			24	26
5510-15102	00000/0000	1-10053/0334	09/10/76	30	1055	4728N	08525W	36.9	131.7	GGGG			24	27
5510-15105	00000/0000	1-10053/0335	09/10/76	20	1055	4602N	08600W	37.5	130.3	GGFG			24	28
5510-15111	00000/0000	1-10053/0336	09/10/76	20	1055	4437N	08633W	38.2	129.0	FGGG			24	29
5510-15114	00000/0000	1-10053/0337	09/10/76	20	1055	4313N	08705W	38.8	127.7	GGFG			24	30
5510-15120	00000/0000	1-10053/0338	09/10/76	10	1055	4147N	08735W	39.5	126.3	GGGG			24	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5510-15123	00000/0000	1-10053/0339	09/10/76	0	1055	4021N	08804W	40.0	124.9		GGGG			24	32
5510-15125	00000/0000	1-10053/0340	09/10/76	0	1055	3855N	08832W	40.6	123.6		GGFG			24	33
5510-15132	00000/0000	1-10053/0341	09/10/76	0	1055	3730N	08900W	41.1	122.2		GGGG			24	34
5510-15134	00000/0000	1-10053/0342	09/10/76	0	1055	3604N	08927W	41.7	120.7		GGGG			24	35
5510-15141	00000/0000	1-10053/0343	09/10/76	20	1055	3438N	08954W	42.1	119.3		GGGG			24	36
5510-15143	00000/0000	1-10053/0344	09/10/76	40	1055	3312N	09020W	42.6	117.9		GGGG			24	37
5510-15150	00000/0000	1-10053/0345	09/10/76	40	1055	3145N	09046W	43.0	116.4		GGGG			24	38
5510-15152	00000/0000	1-10053/0346	09/10/76	20	1055	3019N	09112W	43.4	114.9		GGGG			24	39
5510-16532	00000/0000	1-10053/0320	09/10/76	0	1056	4849N	11039W	36.1	133.0		FGGG			42	26
5510-16534	00000/0000	1-10053/0321	09/10/76	0	1056	4726N	11116W	36.8	131.7		FGGG			42	27
5510-16541	00000/0000	1-10053/0322	09/10/76	0	1056	4603N	11150W	37.5	130.3		GGGG			42	28
5510-16543	00000/0000	1-10053/0323	09/10/76	0	1056	4437N	11223W	38.2	129.0		FGGG			42	29
5510-16550	00000/0000	1-10053/0324	09/10/76	0	1056	4310N	11255W	38.8	127.7		GGGG			42	30
5510-16552	00000/0000	1-10053/0325	09/10/76	30	1056	4144N	11326W	39.4	126.3		GFGG			42	31
5510-16555	00000/0000	1-10053/0326	09/10/76	90	1056	4019N	11356W	40.0	124.9		GGGG			42	32
5510-16561	00000/0000	1-10053/0327	09/10/76	90	1056	3854N	11425W	40.6	123.6		GGGG			42	33
5510-16564	00000/0000	1-10053/0328	09/10/76	100	1056	3729N	11452W	41.1	122.2		GGGG			42	34
5510-16570	00000/0000	1-10053/0329	09/10/76	100	1056	3603N	11519W	41.6	120.8		GFGG			42	35
5510-16573	00000/0000	1-10053/0330	09/10/76	100	1056	3437N	11546W	42.1	119.3		GGFG			42	36
5510-16575	00000/0000	1-10053/0331	09/10/76	100	1056	3311N	11612W	42.6	117.9		GGGG			42	37
5510-16582	00000/0000	1-10053/0332	09/10/76	100	1056	3145N	11637W	43.0	116.4		GGGG			42	38
5511-15154	00000/0000	1-10053/0304	09/11/76	10	1069	4856N	08617W	35.8	133.0		GGGG			25	26
5511-15160	00000/0000	1-10053/0305	09/11/76	0	1069	4730N	08653W	36.6	132.6		GGGG			25	27
5511-15163	00000/0000	1-10053/0306	09/11/76	0	1069	4605N	08728W	37.3	130.7		FGGG			25	28
5511-15165	00000/0000	1-10053/0307	09/11/76	0	1069	4440N	08800W	37.9	129.4		GGGG			25	29
5511-15172	00000/0000	1-10053/0308	09/11/76	0	1069	4313N	08831W	38.6	128.0		GGGG			25	30
5511-15174	00000/0000	1-10053/0309	09/11/76	0	1069	4146N	08901W	39.2	126.7		GGGG			25	31
5511-15181	00000/0000	1-10053/0310	09/11/76	0	1069	4020N	08931W	39.8	125.3		GGGG			25	32
5511-15183	00000/0000	1-10053/0311	09/11/76	0	1069	3854N	09000W	40.4	124.0		GGGG			25	33
5511-15190	00000/0000	1-10053/0312	09/11/76	0	1069	3729N	09028W	40.9	122.6		GGGG			25	34
5511-15192	00000/0000	1-10053/0313	09/11/76	0	1069	3603N	09055W	41.4	121.2		GGGG			25	35
5511-15195	00000/0000	1-10053/0314	09/11/76	0	1069	3438N	09121W	41.9	119.8		GGGG			25	36
5511-15201	00000/0000	1-10053/0315	09/11/76	10	1069	3313N	09147W	42.4	118.3		GGGG			25	37
5511-15204	00000/0000	1-10053/0316	09/11/76	10	1069	3148N	09213W	42.8	116.9		GGGG			25	38
5511-15210	00000/0000	1-10053/0317	09/11/76	40	1069	3022N	09238W	43.2	115.4		GGGG			25	39
5511-15213	00000/0000	1-10053/0318	09/11/76	40	1069	2857N	09302W	43.6	113.9		GGGG			25	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5511-15215	00000/0000	1-10053/0319	09/11/76	40	1069	2731N	09324W	43.9	112.4		GGGG			25	41
5511-16585	00000/0000	1-10053/0418	09/11/76	100	1070	4852N	11204W	35.8	133.3		GGGG			43	26
5511-16592	00000/0000	1-10053/0419	09/11/76	100	1070	4727N	11241W	36.5	132.0		GGGG			43	27
5511-17033	00000/0000	1-10053/0420	09/11/76	90	1070	3312N	11739W	42.4	118.3		GGGG			43	37
5511-17035	00000/0000	1-10053/0421	09/11/76	80	1070	3146N	11804W	42.8	116.9		GGGG			43	38
5512-15212	00000/0000	1-10053/0349	09/12/76	30	1083	4854N	08745W	35.6	133.5		GGGG			26	26
5512-15214	00000/0000	1-10053/0350	09/12/76	20	1083	4729N	08821W	36.3	132.3		GGGG			26	27
5512-15221	00000/0000	1-10053/0351	09/12/76	10	1083	4602N	08855W	37.0	131.0		GGGG			26	28
5512-15223	00000/0000	1-10053/0352	09/12/76	10	1083	4435N	08927W	37.7	129.7		GGGG			26	29
5512-15230	00000/0000	1-10053/0353	09/12/76	0	1083	4308N	08958W	38.3	128.3		GGGG			26	30
5512-15232	00000/0000	1-10053/0354	09/12/76	0	1083	4142N	09029W	38.9	127.0		GGGG			26	31
5512-15235	00000/0000	1-10053/0355	09/12/76	0	1083	4017N	09059W	39.5	125.7		FGGG			26	32
5512-15241	00000/0000	1-10053/0356	09/12/76	0	1083	3853N	09127W	40.1	124.3		GGGG			26	33
5512-15244	00000/0000	1-10053/0357	09/12/76	10	1083	3728N	09155W	40.7	122.9		GGGG			26	34
5512-15250	00000/0000	1-10053/0358	09/12/76	20	1083	3602N	09223W	41.2	121.5		GGGG			26	35
5512-15253	00000/0000	1-10053/0359	09/12/76	50	1083	3436N	09249W	41.7	120.1		GGGG			26	36
5512-15255	00000/0000	1-10053/0360	09/12/76	20	1083	3310N	09315W	42.2	118.7		GGGG			26	37
5512-15262	00000/0000	1-10053/0361	09/12/76	10	1083	3144N	09339W	42.6	117.3		GGGG			26	38
5512-15264	00000/0000	1-10053/0362	09/12/76	10	1083	3019N	09403W	43.0	115.8		GGGG			26	39
5512-15271	00000/0000	1-10053/0363	09/12/76	20	1083	2854N	09427W	43.4	114.4		GGGG			26	40
5512-15273	00000/0000	1-10053/0364	09/12/76	30	1083	2728N	09451W	43.7	112.9		GGGG			26	41
5512-15280	00000/0000	1-10053/0347	09/12/76	40	1083	2601N	09512W	44.0	111.4		GGGF			26	42
5512-15282	00000/0000	1-10053/0348	09/12/76	40	1083	2433N	09534W	44.3	109.9		GGGG			26	43
5512-17043	00000/0000	1-10053/0379	09/12/76	50	1084	4849N	11331W	35.6	133.6		GGGG			44	26
5512-17050	00000/0000	1-10053/0380	09/12/76	80	1084	4724N	11407W	36.3	132.3		GGGG			44	27
5512-17052	00000/0000	1-10053/0381	09/12/76	90	1084	4600N	11441W	37.0	131.0		GGGG			44	28
5512-17055	00000/0000	1-10053/0382	09/12/76	30	1084	4435N	11514W	37.6	129.7		GGGG			44	29
5512-17061	00000/0000	1-10053/0383	09/12/76	10	1084	4310N	11546W	38.3	128.3		GGGG			44	30
5512-17064	00000/0000	1-10053/0384	09/12/76	30	1084	4143N	11618W	38.9	127.0		GGGG			44	31
5512-17070	00000/0000	1-10053/0385	09/12/76	30	1084	4017N	11648W	39.5	125.7		GGGG			44	32
5512-17073	00000/0000	1-10053/0386	09/12/76	30	1084	3852N	11717W	40.1	124.3		GGGG			44	33
5512-17075	00000/0000	1-10053/0387	09/12/76	20	1084	3726N	11745W	40.7	123.0		GGGG			44	34
5512-17082	00000/0000	1-10053/0388	09/12/76	20	1084	3601N	11812W	41.2	121.6		GGGG			44	35
5512-17084	00000/0000	1-10053/0389	09/12/76	40	1084	3436N	11838W	41.7	120.2		GGGG			44	36
5512-17091	00000/0000	1-10053/0390	09/12/76	50	1084	3311N	11903W	42.2	118.7		GGGG			44	37
5513-13441	00000/0000	1-10053/0365	09/13/76	20	1096	4728N	06353W	36.0	132.6		GGGG			9	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5513-13443	00000/0000	1-10053/0366	09/13/76	0	1096	4603N	06428W	36.7	131.3		GF00		9	28
5513-15270	00000/0000	1-10053/0367	09/13/76	90	1097	4854N	08911W	35.3	133.9		GGGG		27	26
5513-15272	00000/0000	1-10053/0368	09/13/76	50	1097	4729N	08947W	36.0	132.6		GGGG		27	27
5513-15275	00000/0000	1-10053/0369	09/13/76	60	1097	4604N	09021W	36.7	131.3		GGGG		27	28
5513-15281	00000/0000	1-10053/0370	09/13/76	70	1097	4437N	09053W	37.4	130.0		GGGG		27	29
5513-15284	00000/0000	1-10053/0371	09/13/76	50	1097	4310N	09124W	38.0	128.7		GGGG		27	30
5513-15290	00000/0000	1-10053/0372	09/13/76	50	1097	4144N	09155W	38.7	127.4		GGGG		27	31
5513-15293	00000/0000	1-10053/0373	09/13/76	20	1097	4018N	09224W	39.3	126.1		GGGG		27	32
5513-15295	00000/0000	1-10053/0374	09/13/76	10	1097	3853N	09253W	39.9	124.7		GGGG		27	33
5513-15302	00000/0000	1-10053/0375	09/13/76	20	1097	3728N	09321W	40.4	123.4		F000		27	34
5513-15304	00000/0000	1-10053/0376	09/13/76	30	1097	3604N	09348W	41.0	122.0		GGGG		27	35
5513-15311	00000/0000	1-10053/0377	09/13/76	60	1097	3439N	09415W	41.5	120.6		GGGG		27	36
5513-15313	00000/0000	1-10053/0378	09/13/76	60	1097	3313N	09440W	42.0	119.2		GGGG		27	37
5513-15320	00000/0000	1-10053/0391	09/13/76	40	1097	3147N	09504W	42.4	117.8		GGGG		27	38
5513-15322	00000/0000	1-10053/0392	09/13/76	40	1097	3021N	09528W	42.8	116.3		GGGG		27	39
5513-15325	00000/0000	1-10053/0393	09/13/76	40	1097	2856N	09552W	43.2	114.8		GGGG		27	40
5513-15331	00000/0000	1-10053/0394	09/13/76	50	1097	2730N	09616W	43.6	113.4		GGGG		27	41
5513-15334	00000/0000	1-10053/0395	09/13/76	30	1097	2603N	09638W	43.9	111.9		GGGG		27	42
5513-15340	00000/0000	1-10053/0396	09/13/76	30	1097	2435N	09700W	44.2	110.4		GGGG		27	43
5513-17101	00000/0000	1-10053/0397	09/13/76	30	1098	4850N	11457W	35.2	133.9		GGGG		45	26
5513-17104	00000/0000	1-10053/0398	09/13/76	10	1098	4725N	11533W	36.0	132.6		GGGG		45	27
5513-17110	00000/0000	1-10053/0399	09/13/76	0	1098	4601N	11607W	36.7	131.3		GGGG		45	28
5513-17113	00000/0000	1-10053/0400	09/13/76	0	1098	4436N	11641W	37.4	130.0		GGGG		45	29
5513-17115	00000/0000	1-10053/0401	09/13/76	30	1098	4311N	11713W	38.0	128.7		GGGG		45	30
5513-17122	00000/0000	1-10053/0402	09/13/76	70	1098	4146N	11745W	38.7	127.4		GGGG		45	31
5513-17124	00000/0000	1-10053/0403	09/13/76	20	1098	4021N	11815W	39.3	126.1		GGGG		45	32
5513-17131	00000/0000	1-10053/0404	09/13/76	10	1098	3855N	11844W	39.9	124.7		GGGG		45	33
5513-17133	00000/0000	1-10053/0405	09/13/76	10	1098	3728N	11911W	40.4	123.4		GGGG		45	34
5513-17140	00000/0000	1-10053/0406	09/13/76	20	1098	3602N	11938W	41.0	122.0		GGGG		45	35
5513-17142	00000/0000	1-10053/0407	09/13/76	30	1098	3435N	12004W	41.5	120.6		GGGG		45	36
5513-17145	00000/0000	1-10053/0408	09/13/76	70	1098	3309N	12029W	41.9	119.2		GGGG		45	37
5514-13501	00000/0000	1-10053/0422	09/14/76	10	1110	4600N	06556W	36.4	131.6		GGGG		10	28
5514-13504	00000/0000	1-10053/0423	09/14/76	10	1110	4435N	06629W	37.1	130.3		GGGG		10	29
5514-13510	00000/0000	1-10053/0424	09/14/76	20	1110	4309N	06701W	37.8	129.0		GGGG		10	30
5514-15385	00000/0000	1-10053/0431	09/14/76	50	1111	2730N	09743W	43.4	113.9		GGGG		28	41
5514-15392	00000/0000	1-10053/0432	09/14/76	30	1111	2603N	09805W	43.7	112.4		GGGG		28	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	REEL NO./ IN REEL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG							
5514-17155	00000/0000	1-10053/0433	09/14/76	10	1112	4852N	11622W	34.9	134.2	GGGG			46	26
5514-17162	00000/0000	1-10053/0434	09/14/76	30	1112	4727N	11658W	35.7	132.9	GGFG			46	27
5514-17164	00000/0000	1-10053/0435	09/14/76	70	1112	4602N	11732W	36.4	131.6	GGGG			46	28
5514-17171	00000/0000	1-10053/0436	09/14/76	80	1112	4436N	11805W	37.1	130.4	FGFG			46	29
5514-17173	00000/0000	1-10053/0437	09/14/76	90	1112	4311N	11838W	37.7	129.1	FGGG			46	30
5514-17180	00000/0000	1-10053/0438	09/14/76	90	1112	4146N	11910W	38.4	127.8	GGGG			46	31
5514-17182	00000/0000	1-10053/0439	09/14/76	80	1112	4020N	11940W	39.0	126.5	GGGG			46	32
5514-17185	00000/0000	1-10053/0440	09/14/76	70	1112	3854N	12010W	39.6	125.1	GGGG			46	33
5514-17191	00000/0000	1-10053/0441	09/14/76	10	1112	3729N	12038W	40.2	123.8	GGGG			46	34
5514-17194	00000/0000	1-10053/0442	09/14/76	10	1112	3603N	12105W	40.7	122.4	GGGG			46	35
5514-17200	00000/0000	1-10053/0443	09/14/76	20	1112	3437N	12130W	41.2	121.1	GGGG			46	36
5514-17203	00000/0000	1-10053/0444	09/14/76	10	1112	3311N	12156W	41.7	119.7	GGGF			46	37
5515-15382	00000/0000	1-10053/0445	09/15/76	40	1125	4849N	09201W	34.6	134.4	GGGG			29	26
5515-15384	00000/0000	1-10053/0446	09/15/76	40	1125	4725N	09237W	35.4	133.2	GGGG			29	27
5515-15391	00000/0000	1-10053/0447	09/15/76	90	1125	4601N	09312W	36.1	131.9	GGGG			29	28
5515-15393	00000/0000	1-10053/0448	09/15/76	100	1125	4436N	09345W	36.8	130.7	GGGG			29	29
5515-15400	00000/0000	1-10053/0449	09/15/76	90	1125	4310N	09416W	37.5	129.4	GGGG			29	30
5515-15402	00000/0000	1-10053/0450	09/15/76	80	1125	4144N	09447W	38.1	128.1	GGGG			29	31
5515-15405	00000/0000	1-10053/0451	09/15/76	80	1125	4018N	09517W	38.8	126.8	GGGG			29	32
5515-15411	00000/0000	1-10053/0452	09/15/76	90	1125	3853N	09545W	39.4	125.5	GGGG			29	33
5515-15414	00000/0000	1-10053/0453	09/15/76	80	1125	3728N	09613W	40.0	124.1	GGGG			29	34
5515-15420	00000/0000	1-10053/0454	09/15/76	50	1125	3603N	09640W	40.5	122.8	GGGG			29	35
5515-15423	00000/0000	1-10053/0455	09/15/76	10	1125	3437N	09707W	41.0	121.4	GGGG			29	36
5515-15425	00000/0000	1-10053/0425	09/15/76	10	1125	3311N	09733W	41.5	120.0	GGGG			29	37
5515-15432	00000/0000	1-10053/0426	09/15/76	10	1125	3146N	09758W	42.0	118.6	GGGG			29	38
5515-15434	00000/0000	1-10053/0427	09/15/76	60	1125	3021N	09823W	42.4	117.2	GGGG			29	39
5515-15441	00000/0000	1-10053/0428	09/15/76	70	1125	2855N	09848W	42.9	115.8	GGGG			29	40
5515-15443	00000/0000	1-10053/0429	09/15/76	60	1125	2729N	09911W	43.2	114.3	GGGG			29	41
5515-15450	00000/0000	1-10053/0430	09/15/76	60	1125	2602N	09932W	43.6	112.9	GGGG			29	42
5515-17225	00000/0000	1-10053/0456	09/15/76	50	1126	4438N	11932W	36.8	130.7	GGGG			47	29
5515-17231	00000/0000	1-10053/0457	09/15/76	90	1126	4312N	12003W	37.4	129.4	GGGG			47	30
5515-17234	00000/0000	1-10053/0458	09/15/76	90	1126	4146N	12034W	38.1	128.2	GGGG			47	31
5515-17240	00000/0000	1-10053/0459	09/15/76	70	1126	4021N	12104W	38.7	126.9	GGGG			47	32
5515-17243	00000/0000	1-10053/0460	09/15/76	20	1126	3855N	12133W	39.3	125.5	GGGG			47	33
5515-17245	00000/0000	1-10053/0461	09/15/76	30	1126	3730N	12201W	39.9	124.2	GGGG			47	34
5515-17252	00000/0000	1-10053/0462	09/15/76	50	1126	3605N	12229W	40.5	122.9	GGGG			47	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5515-17254	00000/0000	1-10053/0463	09/15/76	40	1126	3439N	12256W	41.0	121.5	GGGG			47	36
5516-15495	00000/0000	1-10053/0586	09/16/76	70	1139	2856N	10012W	42.7	116.3	GGGG			30	40
5516-15501	00000/0000	1-10053/0587	09/16/76	50	1139	2729N	10034W	43.1	114.8	GGGG			30	41
5516-15504	00000/0000	1-10053/0588	09/16/76	50	1139	2602N	10056W	43.4	113.4	GGGG			30	42
5516-17271	00000/0000	1-10053/0464	09/16/76	10	1140	4852N	11913W	34.3	134.8	GGGG			48	26
5516-17274	00000/0000	1-10053/0465	09/16/76	50	1140	4726N	11949W	35.1	133.5	GGGG			48	27
5516-17280	00000/0000	1-10053/0466	09/16/76	30	1140	4600N	12023W	35.8	132.3	GGGG			48	28
5518-14122	00000/0000	1-10053/0480	09/18/76	80	1166	4727N	07106W	34.5	134.1	GGG			14	27
5518-14125	00000/0000	1-10053/0467	09/18/76	90	1166	4601N	07140W	35.2	132.9	FGGG		H	14	28
5518-14131	00000/0000	1-10053/0468	09/18/76	90	1166	4435N	07213W	36.0	131.6	FGGG		H	14	29
5518-14134	00000/0000	1-10053/0469	09/18/76	70	1166	4310N	07245W	36.7	130.4	FGGG		H	14	30
5518-14140	00000/0000	1-10053/0470	09/18/76	60	1166	4144N	07316W	37.3	129.1	FGGG		H	14	31
5518-14143	00000/0000	1-10053/0481	09/18/76	10	1166	4019N	07346W	38.0	127.9	GG		H	14	32
5518-14145	00000/0000	1-10053/0471	09/18/76	30	1166	3854N	07415W	38.6	126.6	FGGG			14	33
5518-14152	00000/0000	1-10053/0472	09/18/76	60	1166	3729N	07443W	39.2	125.3	FGGG			14	34
5518-14154	00000/0000	1-10053/0473	09/18/76	60	1166	3603N	07511W	39.8	124.0	FGGG			14	35
5518-14161	00000/0000	1-10053/0474	09/18/76	50	1166	3438N	07538W	40.4	122.7	FGGG			14	36
5518-14163	00000/0000	1-10053/0475	09/18/76	60	1166	3313N	07603W	40.9	121.3	FGGG			14	37
5518-14170	00000/0000	1-10053/0476	09/18/76	40	1166	3147N	07628W	41.4	120.0	FGGG			14	38
5518-14172	00000/0000	1-10053/0477	09/18/76	40	1166	3019N	07651W	41.9	118.6	FGGG			14	39
5518-14175	00000/0000	1-10053/0478	09/18/76	80	1166	2852N	07715W	42.3	117.2	FGGG			14	40
5518-14181	00000/0000	1-10053/0479	09/18/76	70	1166	2725N	07738W	42.7	115.8	FGGG			14	41
5518-15551	00000/0000	1-10053/0502	09/18/76	10	1167	4850N	09618W	33.7	135.3	GGGG			32	26
5518-15554	00000/0000	1-10053/0503	09/18/76	10	1167	4725N	09655W	34.5	134.1	GGGG			32	27
5518-15560	00000/0000	1-10053/0504	09/18/76	30	1167	4600N	09729W	35.2	132.9	GGGG			32	28
5518-15563	00000/0000	1-10053/0505	09/18/76	20	1167	4435N	09803W	35.9	131.6	GGGG			32	29
5518-15565	00000/0000	1-10053/0506	09/18/76	50	1167	4310N	09835W	36.6	130.4	GGGG			32	30
5518-15572	00000/0000	1-10053/0507	09/18/76	50	1167	4144N	09905W	37.3	129.2	GGGG			32	31
5518-15574	00000/0000	1-10053/0508	09/18/76	70	1167	4019N	09935W	38.0	127.9	GGGG			32	32
5518-15581	00000/0000	1-10053/0509	09/18/76	20	1167	3853N	10004W	38.6	126.6	GGGG			32	33
5518-15583	00000/0000	1-10053/0510	09/18/76	20	1167	3727N	10032W	39.2	125.3	GGGG			32	34
5518-15590	00000/0000	1-10053/0511	09/18/76	10	1167	3602N	10059W	39.8	124.0	GGGG			32	35
5518-15592	00000/0000	1-10053/0512	09/18/76	30	1167	3436N	10125W	40.4	122.7	GGGG			32	36
5518-15595	00000/0000	1-10053/0513	09/18/76	80	1167	3310N	10151W	40.9	121.3	GGGG			32	37
5518-16001	00000/0000	1-10053/0514	09/18/76	90	1167	3144N	10215W	41.4	120.0	GGGG			32	38
5518-16004	00000/0000	1-10053/0515	09/18/76	90	1167	3018N	10239W	41.9	118.6	GGGG			32	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5518-16010	00000/0000	1-10053/0516	09/18/76	90	1167	2853N	10302W	42.3	117.2		GGGG			32	40
5518-16013	00000/0000	1-10053/0517	09/18/76	90	1167	2727N	10325W	42.7	115.8		GGGG			32	41
5519-14183	00000/0000	1-10053/0492	09/19/76	40	1180	4602N	07303W	34.9	133.2		GGGG			15	28
5519-14185	00000/0000	1-10053/0493	09/19/76	40	1180	4437N	07336W	35.7	132.0		GGGG			15	29
5519-14192	00000/0000	1-10053/0494	09/19/76	50	1180	4313N	07408W	36.4	130.7		GGGG			15	30
5519-14194	00000/0000	1-10053/0499	09/19/76	30	1180	4148N	07438W	37.0	129.5		GG			15	31
5519-14201	00000/0000	1-10053/0495	09/19/76	10	1180	4022N	07509W	37.7	128.3		GGGG			15	32
5519-14203	00000/0000	1-10053/0500	09/19/76	0	1180	3855N	07538W	38.3	127.0		G	H		15	33
5519-14210	00000/0000	1-10053/0501	09/19/76	10	1180	3728N	07607W	39.0	125.7		GG	H		15	34
5519-14212	00000/0000	1-10053/0496	09/19/76	10	1180	3602N	07634W	39.6	124.4		GGGF			15	35
5519-14215	00000/0000	1-10053/0497	09/19/76	10	1180	3436N	07701W	40.1	123.1		GGFG			15	36
5519-14221	00000/0000	1-10053/0498	09/19/76	20	1180	3310N	07727W	40.7	121.8		GGGG			15	37
5519-16032	00000/0000	1-10053/0482	09/19/76	90	1181	4019N	10100W	37.7	128.3		GGGG			33	32
5519-16035	00000/0000	1-10053/0483	09/19/76	90	1181	3853N	10129W	38.3	127.0		GGGG			33	33
5519-16041	00000/0000	1-10053/0484	09/19/76	70	1181	3727N	10157W	39.0	125.7		GGGG			33	34
5519-16044	00000/0000	1-10053/0485	09/19/76	40	1181	3601N	10225W	39.5	124.4		GGGG			33	35
5519-16050	00000/0000	1-10053/0486	09/19/76	40	1181	3436N	10251W	40.1	123.1		GGGF			33	36
5519-16053	00000/0000	1-10053/0487	09/19/76	50	1181	3310N	10316W	40.7	121.8		GGGG			33	37
5519-16055	00000/0000	1-10053/0488	09/19/76	30	1181	3144N	10341W	41.2	120.4		GFGG			33	38
5519-16062	00000/0000	1-10053/0489	09/19/76	10	1181	3019N	10405W	41.7	119.1		GGGG			33	39
5519-16064	00000/0000	1-10053/0490	09/19/76	10	1181	2853N	10429W	42.1	117.7		GGGG			33	40
5519-16071	00000/0000	1-10053/0491	09/19/76	10	1181	2728N	10452W	42.5	116.3		GGGG			33	41
5520-14252	00000/0000	1-10053/0521	09/20/76	80	1194	4148N	07603W	36.8	129.9		GGGG			16	31
5520-14255	00000/0000	1-10053/0522	09/20/76	30	1194	4023N	07634W	37.4	128.6		GGGG			16	32
5520-14261	00000/0000	1-10053/0523	09/20/76	10	1194	3857N	07703W	38.1	127.4		GGGG			16	33
5520-14264	00000/0000	1-10053/0524	09/20/76	10	1194	3730N	07732W	38.7	126.1		GGGG			16	34
5520-14270	00000/0000	1-10053/0525	09/20/76	10	1194	3603N	07801W	39.3	124.8		GGGG			16	35
5520-14273	00000/0000	1-10053/0526	09/20/76	10	1194	3438N	07829W	39.9	123.5		GGFG			16	36
5520-14275	00000/0000	1-10053/0527	09/20/76	10	1194	3313N	07855W	40.4	122.2		GGGG			16	37
5520-14282	00000/0000	1-10053/0528	09/20/76	10	1194	3148N	07920W	41.0	120.9		GGGG			16	38
5520-14284	00000/0000	1-10053/0529	09/20/76	10	1194	3022N	07944W	41.5	119.5		GGGG			16	39
5520-14291	00000/0000	1-10053/0530	09/20/76	20	1194	2855N	08008W	41.9	118.1		GGGG			16	40
5520-14293	00000/0000	1-10053/0531	09/20/76	10	1194	2729N	08032W	42.4	116.7		GGGG			16	41
5520-14300	00000/0000	1-10053/0532	09/20/76	20	1194	2603N	08054W	42.8	115.3		GGGG			16	42
5520-16063	00000/0000	1-10053/0533	09/20/76	20	1195	4852N	09910W	33.1	135.9		GGG			34	26
5520-16070	00000/0000	1-10053/0534	09/20/76	30	1195	4726N	09946W	33.9	134.7		GGGG			34	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5520-16072	00000/0000	1-10053/0535	09/20/76	10	1195	4601N 10020W	34.6	133.5	GGGG			34	28
5520-16075	00000/0000	1-10053/0536	09/20/76	0	1195	4436N 10053W	35.3	132.3	GGGG			34	29
5520-16081	00000/0000	1-10053/0537	09/20/76	10	1195	4311N 10124W	36.1	131.1	GGGG			34	30
5520-16084	00000/0000	1-10053/0538	09/20/76	30	1195	4146N 10154W	36.7	129.9	GGGG			34	31
5520-16090	00000/0000	1-10053/0539	09/20/76	60	1195	4021N 10225W	37.4	128.6	GGGG			34	32
5520-16093	00000/0000	1-10053/0540	09/20/76	80	1195	3854N 10254W	38.1	127.4	GGGG			34	33
5520-16095	00000/0000	1-10053/0541	09/20/76	90	1195	3728N 10323W	38.7	126.1	GGGG			34	34
5520-16102	00000/0000	1-10053/0542	09/20/76	90	1195	3602N 10350W	39.3	124.8	GGGG			34	35
5520-16104	00000/0000	1-10053/0543	09/20/76	90	1195	3436N 10416W	39.9	123.5	GGGG			34	36
5520-16111	00000/0000	1-10053/0544	09/20/76	80	1195	3311N 10442W	40.4	122.2	GGGG			34	37
5520-16113	00000/0000	1-10053/0545	09/20/76	50	1195	3146N 10507W	40.9	120.9	GGGG			34	38
5520-16120	00000/0000	1-10053/0546	09/20/76	10	1195	3020N 10531W	41.4	119.5	GGGG			34	39
5520-16122	00000/0000	1-10053/0547	09/20/76	10	1195	2854N 10555W	41.9	118.1	GGGG			34	40
5520-17495	00000/0000	1-10053/0518	09/20/76	10	1196	4851N 12459W	33.1	135.9	GGGG			52	26
5520-17501	00000/0000	1-10053/0519	09/20/76	50	1196	4725N 12535W	33.8	134.7	GGGG			52	27
5520-17504	00000/0000	1-10053/0520	09/20/76	90	1196	4600N 12609W	34.6	133.5	GGGF			52	28
5521-16124	00000/0000	1-10053/0589	09/21/76	0	1209	4731N 10115W	33.5	135.0	GGGG			35	27
5521-16130	00000/0000	1-10053/0590	09/21/76	0	1209	4606N 10150W	34.3	133.8	GGGG			35	28
5521-16133	00000/0000	1-10053/0591	09/21/76	0	1209	4440N 10223W	35.0	132.6	GGGG			35	29
5521-16135	00000/0000	1-10053/0592	09/21/76	0	1209	4314N 10254W	35.8	131.4	GGGG			35	30
5521-16142	00000/0000	1-10053/0593	09/21/76	0	1209	4148N 10324W	36.5	130.2	GGGG			35	31
5521-16144	00000/0000	1-10053/0594	09/21/76	0	1209	4021N 10353W	37.1	129.0	GGGG			35	32
5521-16151	00000/0000	1-10053/0595	09/21/76	0	1209	3855N 10421W	37.8	127.8	GGGG			35	33
5521-16153	00000/0000	1-10053/0596	09/21/76	10	1209	3729N 10449W	38.4	126.5	GGGG			35	34
5521-16160	00000/0000	1-10053/0597	09/21/76	10	1209	3603N 10516W	39.0	125.2	GGGF			35	35
5521-16162	00000/0000	1-10053/0598	09/21/76	10	1209	3437N 10542W	39.6	124.0	GGGG			35	36
5521-16165	00000/0000	1-10053/0599	09/21/76	10	1209	3312N 10608W	40.2	122.7	GGGG			35	37
5521-16171	00000/0000	1-10053/0600	09/21/76	10	1209	3146N 10633W	40.7	121.3	GGGG			35	38
5521-16174	00000/0000	1-10053/0601	09/21/76	10	1209	3021N 10658W	41.2	120.0	GGGG			35	39
5521-16180	00000/0000	1-10053/0602	09/21/76	60	1209	2855N 10721W	41.7	118.6	GGGG			35	40
5521-17553	00000/0000	1-10053/0548	09/21/76	90	1210	4851N 12624W	32.8	136.2	GGGG			53	26
5522-14371	00000/0000	1-10053/0559	09/22/76	40	1222	4019N 07930W	36.9	129.3	FGGG			18	32
5522-14373	00000/0000	1-10053/0560	09/22/76	20	1222	3854N 07958W	37.6	128.1	GGGG			18	33
5522-14380	00000/0000	1-10053/0561	09/22/76	10	1222	3728N 08025W	38.2	126.8	FGGG			18	34
5522-14382	00000/0000	1-10053/0562	09/22/76	10	1222	3602N 08052W	38.8	125.6	GGGF			18	35
5522-14385	00000/0000	1-10053/0563	09/22/76	0	1222	3436N 08119W	39.4	124.3	GGGG			18	36

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5522-14391	00000/0000	1-10053/0564	09/22/76	0	1222	3310N	08145W	40.0	123.0	GGGG				18	37
5522-14394	00000/0000	1-10053/0565	09/22/76	10	1222	3145N	08211W	40.5	121.7	GGGG				18	38
5522-14400	00000/0000	1-10053/0566	09/22/76	10	1222	3020N	08236W	41.0	120.4	GGGG				18	39
5522-14403	00000/0000	1-10053/0569	09/22/76	40	1222	2854N	08259W	41.5	119.0	GG		H		18	40
5522-14405	00000/0000	1-10053/0567	09/22/76	90	1222	2727N	08323W	42.0	117.6	GGGG		H		18	41
5522-14412	00000/0000	1-10053/0570	09/22/76	90	1222	2600N	08346W	42.4	116.2	GG		H		18	42
5522-14414	00000/0000	1-10053/0568	09/22/76	50	1222	2434N	08408W	42.8	114.8	GGGG				18	43
5522-16175	00000/0000	1-10053/0571	09/22/76	10	1223	4849N	10202W	32.5	136.4	GGG				36	26
5522-16182	00000/0000	1-10053/0572	09/22/76	0	1223	4725N	10239W	33.3	135.3	GGGG				36	27
5522-16184	00000/0000	1-10053/0573	09/22/76	0	1223	4600N	10315W	34.0	134.1	GGGF				36	28
5522-16191	00000/0000	1-10053/0574	09/22/76	0	1223	4436N	10348W	34.8	132.9	GGGG				36	29
5522-16193	00000/0000	1-10053/0575	09/22/76	10	1223	4311N	10420W	35.5	131.7	GGGG				36	30
5522-16200	00000/0000	1-10053/0576	09/22/76	30	1223	4145N	10451W	36.2	130.5	GGGG				36	31
5522-16202	00000/0000	1-10053/0577	09/22/76	90	1223	4019N	10521W	36.9	129.3	GGGG				36	32
5522-16205	00000/0000	1-10053/0578	09/22/76	50	1223	3854N	10550W	37.6	128.1	GGGG				36	33
5522-16211	00000/0000	1-10053/0579	09/22/76	30	1223	3728N	10617W	38.2	126.9	GGGG				36	34
5522-16214	00000/0000	1-10053/0580	09/22/76	10	1223	3601N	10643W	38.8	125.6	GGGG				36	35
5522-16220	00000/0000	1-10053/0581	09/22/76	30	1223	3434N	10710W	39.4	124.3	GGGG				36	36
5522-16223	00000/0000	1-10053/0582	09/22/76	10	1223	3308N	10736W	40.0	123.0	GGGG				36	37
5522-16225	00000/0000	1-10053/0583	09/22/76	0	1223	3142N	10801W	40.5	121.7	GGGG				36	38
5522-16232	00000/0000	1-10053/0584	09/22/76	10	1223	3017N	10824W	41.0	120.4	GGGG				36	39
5522-16234	00000/0000	1-10053/0585	09/22/76	40	1223	2852N	10846W	41.5	119.0	GGGG				36	40
5523-14422	00000/0000	1-10053/0624	09/23/76	70	1236	4144N	08025W	35.9	130.9	FFGG				19	31
5523-14424	00000/0000	1-10053/0625	09/23/76	10	1236	4019N	08055W	36.6	129.7	GGGG				19	32
5523-14431	00000/0000	1-10053/0626	09/23/76	10	1236	3853N	08123W	37.3	128.5	GGGG				19	33
5523-14433	00000/0000	1-10053/0627	09/23/76	10	1236	3728N	08151W	37.9	127.2	GGGG				19	34
5523-14440	00000/0000	1-10053/0628	09/23/76	10	1236	3602N	08218W	38.6	126.0	GGGG				19	35
5523-14442	00000/0000	1-10053/0629	09/23/76	10	1236	3436N	08245W	39.2	124.7	GGGG				19	36
5523-14445	00000/0000	1-10053/0630	09/23/76	0	1236	3311N	08311W	39.8	123.4	GGGG				19	37
5523-14451	00000/0000	1-10053/0631	09/23/76	10	1236	3145N	08336W	40.3	122.1	GGGG				19	38
5523-14454	00000/0000	1-10053/0632	09/23/76	50	1236	3019N	08401W	40.8	120.8	GGGG				19	39
5523-16233	00000/0000	1-10053/0603	09/23/76	0	1237	4849N	10328W	32.2	136.7	GGGG				37	26
5523-16240	00000/0000	1-10053/0604	09/23/76	0	1237	4725N	10404W	32.9	135.6	GGGG				37	27
5523-16242	00000/0000	1-10053/0605	09/23/76	10	1237	4600N	10439W	33.7	134.4	GGGG				37	28
5523-16245	00000/0000	1-10053/0606	09/23/76	90	1237	4435N	10513W	34.5	133.2	GGGG				37	29
5523-16251	00000/0000	1-10053/0607	09/23/76	50	1237	4309N	10544W	35.2	132.1	GGGG				37	30

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5523-16254	00000/0000	1-10053/0608	09/23/76	20	1237	4143N 10615W	35.9	130.9	GGGG			37	31
5523-16260	00000/0000	1-10053/0609	09/23/76	30	1237	4017N 10645W	36.6	129.7	GGGG			37	32
5523-16263	00000/0000	1-10053/0610	09/23/76	20	1237	3852N 10714W	37.3	128.5	GGGG			37	33
5523-16265	00000/0000	1-10053/0611	09/23/76	30	1237	3727N 10741W	37.9	127.2	GGGG			37	34
5523-16272	00000/0000	1-10053/0612	09/23/76	10	1237	3602N 10808W	38.6	126.0	GGGG			37	35
5523-16274	00000/0000	1-10053/0613	09/23/76	20	1237	3436N 10835W	39.2	124.7	GGG			37	36
5523-16281	00000/0000	1-10053/0614	09/23/76	10	1237	3311N 10900W	39.7	123.5	GGGG			37	37
5523-16283	00000/0000	1-10053/0615	09/23/76	10	1237	3146N 10923W	40.3	122.2	GGGG			37	38
5523-16290	00000/0000	1-10053/0616	09/23/76	90	1237	3020N 10948W	40.8	120.8	GGGG			37	39
5524-14471	00000/0000	1-10053/0617	09/24/76	70	1250	4433N 08050W	34.2	133.5	FGGG			20	29
5524-14473	00000/0000	1-10053/0618	09/24/76	20	1250	4307N 08121W	34.9	132.3	GGGG			20	30
5524-14480	00000/0000	1-10053/0619	09/24/76	20	1250	4142N 08152W	35.7	131.2	FGGG			20	31
5524-14482	00000/0000	1-10053/0620	09/24/76	10	1250	4017N 08221W	36.4	130.0	FGGG			20	32
5524-14485	00000/0000	1-10053/0621	09/24/76	30	1250	3851N 08250W	37.0	128.8	FGGG			20	33
5524-14491	00000/0000	1-10053/0622	09/24/76	40	1250	3725N 08317W	37.7	127.6	FGGG			20	34
5524-14494	00000/0000	1-10053/0623	09/24/76	40	1250	3558N 08345W	38.3	126.3	GGGG			20	35
5524-16291	00000/0000	1-10054/0001	09/24/76	10	1251	4850N 10454W	31.8	137.0	G			38	26
5524-16293	00000/0000	1-10054/0002	09/24/76	40	1251	4725N 10530W	32.6	135.9	GGGG			38	27
5524-16300	00000/0000	1-10054/0003	09/24/76	50	1251	4600N 10604W	33.4	134.7	GGGG			38	28
5524-16341	00000/0000	1-10054/0004	09/24/76	90	1251	3147N 11051W	40.1	122.6	GGGG			38	38
5524-16343	00000/0000	1-10054/0005	09/24/76	90	1251	3021N 11115W	40.6	121.3	GGGG			38	39
5525-14522	00000/0000	1-10053/0549	09/25/76	50	1264	4600N 08141W	33.1	135.0	GGGG			21	28
5525-14525	00000/0000	1-10053/0550	09/25/76	30	1264	4434N 08214W	33.9	133.8	GGGG			21	29
5525-14531	00000/0000	1-10053/0551	09/25/76	10	1264	4309N 08246W	34.6	132.7	GGGG			21	30
5525-14534	00000/0000	1-10053/0552	09/25/76	60	1264	4144N 08318W	35.4	131.5	GGGG			21	31
5525-14540	00000/0000	1-10053/0553	09/25/76	60	1264	4018N 08347W	36.1	130.3	GFFF			21	32
5525-14543	00000/0000	1-10053/0554	09/25/76	10	1264	3852N 08415W	36.8	129.2	GFGF			21	33
5525-14545	00000/0000	1-10053/0555	09/25/76	10	1264	3726N 08442W	37.4	128.0	GPGG			21	34
5525-14552	00000/0000	1-10053/0556	09/25/76	10	1264	3601N 08509W	38.1	126.7	GGGG			21	35
5525-14554	00000/0000	1-10053/0557	09/25/76	10	1264	3435N 08536W	38.7	125.5	GGGG			21	36
5525-14561	00000/0000	1-10053/0558	09/25/76	20	1264	3309N 08602W	39.3	124.2	GGFG			21	37
5525-16345	00000/0000	1-10054/0019	09/25/76	10	1265	4851N 10619W	31.5	137.3	GGGG			39	26
5525-16351	00000/0000	1-10054/0020	09/25/76	30	1265	4726N 10655W	32.3	136.2	GFGG			39	27
5525-16354	00000/0000	1-10054/0021	09/25/76	50	1265	4601N 10730W	33.1	135.0	GGGG			39	28
5525-16360	00000/0000	1-10054/0022	09/25/76	70	1265	4436N 10804W	33.8	133.9	GGGG			39	29
5525-16363	00000/0000	1-10054/0023	09/25/76	30	1265	4311N 10836W	34.6	132.7	GGGG			39	30

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5525-16365	00000/0000	1-10054/0024	09/25/76	30	1265	4146N 10907W	35.3	131.6	GGGG			39	31
5525-16372	00000/0000	1-10054/0025	09/25/76	40	1265	4021N 10937W	36.0	130.4	GGGG			39	32
5525-16374	00000/0000	1-10054/0026	09/25/76	50	1265	3855N 11006W	36.7	129.2	GGGG			39	33
5525-16381	00000/0000	1-10054/0027	09/25/76	60	1265	3729N 11034W	37.4	128.0	GGGG			39	34
5525-16383	00000/0000	1-10054/0028	09/25/76	90	1265	3604N 11101W	38.0	126.8	GGGG			39	35
5525-16390	00000/0000	1-10054/0029	09/25/76	60	1265	3499N 11127W	38.7	125.6	GGGG			39	36
5525-16392	00000/0000	1-10054/0030	09/25/76	30	1265	3314N 11152W	39.3	124.3	GGGG			39	37
5526-16403	00000/0000	1-10054/0006	09/26/76	50	1279	4849N 10746W	31.2	137.5	GGGG			40	26
5526-16405	00000/0000	1-10054/0007	09/26/76	80	1279	4725N 10822W	32.0	136.4	GGGG			40	27
5526-16412	00000/0000	1-10054/0008	09/26/76	90	1279	4600N 10856W	32.8	135.3	GGGG			40	28
5526-16414	00000/0000	1-10054/0009	09/26/76	70	1279	4435N 10929W	33.6	134.2	GGGG			40	29
5526-16421	00000/0000	1-10054/0010	09/26/76	50	1279	4310N 11000W	34.3	133.0	GGGG			40	30
5526-16423	00000/0000	1-10054/0011	09/26/76	50	1279	4144N 11032W	35.1	131.9	GGGG			40	31
5526-16430	00000/0000	1-10054/0012	09/26/76	20	1279	4018N 11103W	35.8	130.7	GGGG			40	32
5526-16432	00000/0000	1-10054/0013	09/26/76	60	1279	3851N 11133W	36.5	129.5	GGGG			40	33
5526-16435	00000/0000	1-10054/0014	09/26/76	50	1279	3725N 11201W	37.1	128.4	GGGG			40	34
5526-16441	00000/0000	1-10054/0015	09/26/76	60	1279	3600N 11228W	37.8	127.1	GGGG			40	35
5526-16444	00000/0000	1-10054/0016	09/26/76	20	1279	3435N 11254W	38.4	125.9	GGGG			40	36
5526-16450	00000/0000	1-10054/0017	09/26/76	20	1279	3311N 11319W	39.0	124.7	GGGG			40	37
5526-16453	00000/0000	1-10054/0018	09/26/76	20	1279	3144N 11343W	39.6	123.4	GGGG			40	38
5527-16461	00000/0000	1-10054/0031	09/27/76	0	1293	4850N 10913W	30.9	137.8	GGGG			41	26
5527-16463	00000/0000	1-10054/0032	09/27/76	10	1293	4725N 10950W	31.7	136.7	GGGG			41	27
5527-16470	00000/0000	1-10054/0033	09/27/76	20	1293	4600N 11024W	32.5	135.6	GGGG			41	28
5527-16472	00000/0000	1-10054/0034	09/27/76	10	1293	4435N 11056W	33.3	134.5	GGGG			41	29
5527-16475	00000/0000	1-10054/0035	09/27/76	30	1293	4310N 11128W	34.0	133.3	GGGG			41	30
5527-16481	00000/0000	1-10054/0036	09/27/76	10	1293	4144N 11158W	34.8	132.2	GGGG			41	31
5527-16484	00000/0000	1-10054/0037	09/27/76	10	1293	4018N 11229W	35.5	131.1	GGGG			41	32
5527-16490	00000/0000	1-10054/0038	09/27/76	10	1293	3852N 11258W	36.2	129.9	GGGG			41	33
5527-16493	00000/0000	1-10054/0039	09/27/76	10	1293	3727N 11326W	36.9	128.7	GGGG			41	34
5527-16495	00000/0000	1-10054/0040	09/27/76	10	1293	3602N 11354W	37.5	127.5	GGGG			41	35
5527-16502	00000/0000	1-10054/0041	09/27/76	10	1293	3437N 11420W	38.2	126.3	GGGG			41	36
5527-16504	00000/0000	1-10054/0042	09/27/76	10	1293	3311N 11445W	38.8	125.1	GGGG			41	37
5527-16511	00000/0000	1-10054/0043	09/27/76	10	1293	3144N 11508W	39.4	123.8	GGGG			41	38
5528-16515	00000/0000	1-10054/0044	09/28/76	0	1307	4851N 11039W	30.5	138.1	GGGG			42	26
5528-16521	00000/0000	1-10054/0045	09/28/76	0	1307	4726N 11115W	31.4	137.0	GGGG			42	27
5528-16524	00000/0000	1-10054/0046	09/28/76	0	1307	4600N 11150W	32.2	135.9	GGGG			42	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS DATA MODE		
5528-16530	00000/0000	1-10054/0047	09/28/76	0	1307	4435N	11223W	32.9	134.8	GGGG		42	29
5528-16533	00000/0000	1-10054/0048	09/28/76	0	1307	4309N	11254W	33.7	133.7	GGGG		42	30
5528-16535	00000/0000	1-10054/0049	09/28/76	10	1307	4144N	11325W	34.5	132.5	GGGG		42	31
5528-16542	00000/0000	1-10054/0050	09/28/76	10	1307	4019N	11356W	35.2	131.4	GGGG		42	32
5528-16544	00000/0000	1-10054/0051	09/28/76	20	1307	3855N	11426W	35.9	130.3	GGGG		42	33
5528-16551	00000/0000	1-10054/0052	09/28/76	10	1307	3730N	11454W	36.6	129.1	GGGG		42	34
5528-16553	00000/0000	1-10054/0053	09/28/76	10	1307	3605N	11521W	37.3	127.9	GGGG		42	35
5528-16560	00000/0000	1-10054/0054	09/28/76	10	1307	3438N	11546W	37.9	126.7	GGGG		42	36
5528-16562	00000/0000	1-10054/0055	09/28/76	10	1307	3310N	11611W	38.6	125.5	GGGG		42	37
5528-16565	00000/0000	1-10054/0056	09/28/76	10	1307	3143N	11636W	39.2	124.3	GGGG		42	38
5529-15141	00000/0000	1-10054/0097	09/29/76	60	1320	4848N	08617W	30.3	138.3	GGGG		25	26
5529-15144	00000/0000	1-10054/0098	09/29/76	50	1320	4723N	08652W	31.1	137.2	FGGG		25	27
5529-15150	00000/0000	1-10054/0099	09/29/76	10	1320	4558N	08725W	31.9	136.1	FGGG		25	28
5529-15153	00000/0000	1-10054/0100	09/29/76	10	1320	4434N	08756W	32.7	135.0	FGGG		25	29
5529-15155	00000/0000	1-10054/0101	09/29/76	10	1320	4310N	08826W	33.5	133.9	FGGG		25	30
5529-15162	00000/0000	1-10054/0102	09/29/76	50	1320	4144N	08857W	34.2	132.8	FGGG		25	31
5529-15164	00000/0000	1-10054/0103	09/29/76	90	1320	4018N	08928W	34.9	131.7	GGGG		25	32
5529-16573	00000/0000	1-10054/0084	09/29/76	0	1321	4849N	11207W	30.2	138.3	GGGG		43	26
5529-16575	00000/0000	1-10054/0085	09/29/76	0	1321	4724N	11243W	31.1	137.2	GGGG		43	27
5529-16582	00000/0000	1-10054/0086	09/29/76	0	1321	4559N	11317W	31.9	136.1	GGGG		43	28
5529-16584	00000/0000	1-10054/0087	09/29/76	0	1321	4433N	11350W	32.7	135.0	FGGG		43	29
5529-16591	00000/0000	1-10054/0088	09/29/76	0	1321	4309N	11423W	33.4	133.9	GGFG		43	30
5529-16593	00000/0000	1-10054/0089	09/29/76	0	1321	4144N	11454W	34.2	132.8	FGGG		43	31
5529-17000	00000/0000	1-10054/0090	09/29/76	20	1321	4019N	11524W	34.9	131.7	GGGG		43	32
5529-17002	00000/0000	1-10054/0091	09/29/76	70	1321	3853N	11553W	35.7	130.6	GGGG		43	33
5529-17005	00000/0000	1-10054/0092	09/29/76	90	1321	3728N	11621W	36.4	129.4	GGGG		43	34
5529-17011	00000/0000	1-10054/0093	09/29/76	90	1321	3602N	11648W	37.0	128.3	GGGG		43	35
5529-17014	00000/0000	1-10054/0094	09/29/76	80	1321	3435N	11713W	37.7	127.1	GGGG		43	36
5529-17020	00000/0000	1-10054/0095	09/29/76	70	1321	3309N	11739W	38.3	125.9	GGGG		43	37
5529-17023	00000/0000	1-10054/0096	09/29/76	50	1321	3143N	11803W	38.9	124.6	GGGG		43	38
5530-15195	00000/0000	1-10054/0057	09/30/76	20	1334	4852N	08744W	29.9	138.6	GGGG		26	26
5530-15201	00000/0000	1-10054/0058	09/30/76	10	1334	4727N	08819W	30.8	137.5	GGGG		26	27
5530-15204	00000/0000	1-10054/0059	09/30/76	0	1334	4602N	08851W	31.6	136.4	GGGG		26	28
5530-15210	00000/0000	1-10054/0060	09/30/76	0	1334	4436N	08923W	32.4	135.3	GGGG		26	29
5530-15213	00000/0000	1-10054/0061	09/30/76	0	1334	4311N	08955W	33.1	134.3	GGGG		26	30
5530-15231	00000/0000	1-10054/0062	09/30/76	0	1334	3730N	09148W	36.1	129.8	GGGG		26	34

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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5530-15233	00000/0000	1-10054/0063	09/30/76	10	1334	3604N	09216W	36.8	128.6		GGGG			26	35
5530-15240	00000/0000	1-10054/0064	09/30/76	0	1334	3437N	09243W	37.4	127.5		GGGG			26	36
5530-15242	00000/0000	1-10054/0065	09/30/76	0	1334	3312N	09310W	38.1	126.3		GGGG			26	37
5530-15245	00000/0000	1-10054/0066	09/30/76	0	1334	3146N	09336W	38.7	125.0		GGPG			26	38
5530-15251	00000/0000	1-10054/0067	09/30/76	10	1334	3019N	09401W	39.3	123.8		GGGG			26	39
5530-15254	00000/0000	1-10054/0068	09/30/76	20	1334	2853N	09424W	39.9	122.6		GGGG			26	40
5530-15260	00000/0000	1-10054/0069	09/30/76	30	1334	2728N	09447W	40.4	121.3		GGGG			26	41
5530-15263	00000/0000	1-10054/0070	09/30/76	60	1334	2602N	09509W	40.9	120.0		GGGG			26	42
5530-15265	00000/0000	1-10054/0071	09/30/76	90	1334	2435N	09532W	41.4	118.7		FGGG			26	43
5530-17031	00000/0000	1-10054/0072	09/30/76	30	1335	4850N	11332W	29.9	138.6		GGGG			44	26
5530-17033	00000/0000	1-10054/0073	09/30/76	20	1335	4725N	11409W	30.7	137.5		GGG			44	27
5530-17040	00000/0000	1-10054/0074	09/30/76	0	1335	4601N	11444W	31.6	136.4		GGGG			44	28
5530-17042	00000/0000	1-10054/0075	09/30/76	0	1335	4436N	11517W	32.3	135.4		GGFG			44	29
5530-17045	00000/0000	1-10054/0076	09/30/76	0	1335	4311N	11549W	33.1	134.3		GGGG			44	30
5530-17051	00000/0000	1-10054/0077	09/30/76	10	1335	4144N	11619W	33.9	133.2		GGFG			44	31
5530-17054	00000/0000	1-10054/0078	09/30/76	40	1335	4018N	11648W	34.6	132.1		GGGG			44	32
5530-17060	00000/0000	1-10054/0079	09/30/76	40	1335	3852N	11717W	35.4	130.9		GGFG			44	33
5530-17063	00000/0000	1-10054/0080	09/30/76	70	1335	3727N	11744W	36.1	129.8		GGGG			44	34
5530-17065	00000/0000	1-10054/0081	09/30/76	70	1335	3601N	11812W	36.8	128.6		GGGG			44	35
5530-17072	00000/0000	1-10054/0082	09/30/76	50	1335	3436N	11839W	37.4	127.5		GGGG			44	36
5530-17074	00000/0000	1-10054/0083	09/30/76	20	1335	3311N	11905W	38.1	126.3		GGFG			44	37
5531-15262	00000/0000	1-10054/0104	10/01/76	0	1348	4601N	09017W	31.3	136.7		FGGG			27	28
5531-15264	00000/0000	1-10054/0105	10/01/76	0	1348	4436N	09050W	32.1	135.6		GGGG			27	29
5531-15271	00000/0000	1-10054/0106	10/01/76	0	1348	4311N	09122W	32.9	134.5		GGGG			27	30
5531-15273	00000/0000	1-10054/0107	10/01/76	0	1348	4144N	09152W	33.6	133.4		GGGG			27	31
5531-15280	00000/0000	1-10054/0108	10/01/76	0	1348	4017N	09223W	34.4	132.3		GGGG			27	32
5531-15282	00000/0000	1-10054/0109	10/01/76	0	1348	3850N	09254W	35.1	131.2		GGGG			27	33
5531-15285	00000/0000	1-10054/0110	10/01/76	0	1348	3724N	09323W	35.8	130.1		GGGG			27	34
5531-15291	00000/0000	1-10054/0111	10/01/76	0	1348	3600N	09350W	36.5	129.0		FGGG			27	35
5531-15294	00000/0000	1-10054/0112	10/01/76	0	1348	3435N	09415W	37.2	127.8		GGGG			27	36
5531-15300	00000/0000	1-10054/0113	10/01/76	0	1348	3310N	09440W	37.9	126.6		GGGG			27	37
5531-15303	00000/0000	1-10054/0114	10/01/76	0	1348	3143N	09505W	38.5	125.4		GGGG			27	38
5531-15305	00000/0000	1-10054/0115	10/01/76	0	1348	3016N	09529W	39.1	124.2		GGGG			27	39
5531-17084	00000/0000	1-10054/0171	10/01/76	10	1349	4851N	11458W	29.6	138.9		GGGG			45	26
5531-17091	00000/0000	1-10054/0172	10/01/76	10	1349	4727N	11534W	30.4	137.8		GGGG			45	27
5531-17093	00000/0000	1-10054/0173	10/01/76	30	1349	4602N	11608W	31.2	136.7		GGGG			45	28

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5531-17100	00000/0000	1-10054/0174	10/01/76	70	1349	4435N	11641W	32.0	135.7		GGGG			45	29
5531-17102	00000/0000	1-10054/0175	10/01/76	90	1349	4308N	11713W	32.8	134.6		GGGG			45	30
5531-17105	00000/0000	1-10054/0176	10/01/76	90	1349	4142N	11744W	33.6	133.5		FFGG			45	31
5531-17111	00000/0000	1-10054/0177	10/01/76	90	1349	4017N	11813W	34.3	132.4		GGGG			45	32
5531-17114	00000/0000	1-10054/0178	10/01/76	80	1349	3852N	11842W	35.1	131.3		GGGG			45	33
5532-15311	00000/0000	1-10054/0116	10/02/76	10	1362	4848N	09034W	29.3	139.1		GGGG			28	26
5532-15313	00000/0000	1-10054/0117	10/02/76	10	1362	4724N	09111W	30.1	138.0		GGGG			28	27
5532-15320	00000/0000	1-10054/0118	10/02/76	10	1362	4559N	09145W	30.9	137.0		GGGG			28	28
5532-15322	00000/0000	1-10054/0119	10/02/76	0	1362	4434N	09219W	31.8	135.9		GGGG			28	29
5532-15325	00000/0000	1-10054/0120	10/02/76	0	1362	4309N	09250W	32.6	134.8		GGGG			28	30
5532-15331	00000/0000	1-10054/0121	10/02/76	0	1362	4144N	09321W	33.3	133.8		GGGG			28	31
5532-15334	00000/0000	1-10054/0122	10/02/76	0	1362	4018N	09351W	34.1	132.7		GGGG			28	32
5532-15340	00000/0000	1-10054/0123	10/02/76	0	1362	3852N	09420W	34.8	131.6		GGGG			28	33
5532-15343	00000/0000	1-10054/0124	10/02/76	10	1362	3726N	09447W	35.6	130.5		GGGG			28	34
5532-15345	00000/0000	1-10054/0125	10/02/76	10	1362	3600N	09514W	36.3	129.3		GGGG			28	35
5532-15352	00000/0000	1-10054/0126	10/02/76	10	1362	3435N	09540W	36.9	128.2		GGGG			28	36
5532-15354	00000/0000	1-10054/0127	10/02/76	40	1362	3309N	09605W	37.6	127.0		GGGG			28	37
5532-15361	00000/0000	1-10054/0128	10/02/76	70	1362	3144N	09630W	38.2	125.8		GGGG			28	38
5532-15370	00000/0000	1-10054/0189	10/02/76	40	1362	2853N	09719W	39.4	123.4		GGGG			28	40
5532-15372	00000/0000	1-10054/0190	10/02/76	20	1362	2726N	09741W	40.0	122.1		GGGG			28	41
5532-15375	00000/0000	1-10054/0191	10/02/76	10	1362	2600N	09803W	40.5	120.9		GGGG			28	42
5532-17142	00000/0000	1-10054/0129	10/02/76	90	1363	4848N	11623W	29.3	139.1		GGGG			46	26
5532-17145	00000/0000	1-10054/0130	10/02/76	100	1363	4723N	11659W	30.1	138.0		GGGG			46	27
5532-17151	00000/0000	1-10054/0131	10/02/76	90	1363	4558N	11734W	30.9	137.0		GGGG			46	28
5533-13540	00000/0000	1-10054/0132	10/03/76	10	1375	4725N	06646W	29.8	138.3		FFGG			11	27
5533-13542	00000/0000	1-10054/0133	10/03/76	10	1375	4601N	06721W	30.6	137.2		GGGG			11	28
5533-13545	00000/0000	1-10054/0134	10/03/76	0	1375	4437N	06754W	31.5	136.2		FFGG			11	29
5533-13551	00000/0000	1-10054/0135	10/03/76	30	1375	4311N	06826W	32.3	135.1		FFFG			11	30
5533-13554	00000/0000	1-10054/0136	10/03/76	50	1375	4145N	06857W	33.0	134.1		FFGG			11	31
5533-13560	00000/0000	1-10054/0137	10/03/76	90	1375	4019N	06926W	33.8	133.0		GGGG			11	32
5533-15365	00000/0000	1-10054/0138	10/03/76	70	1376	4850N	09159W	28.9	139.3		GGGG			29	26
5533-15371	00000/0000	1-10054/0139	10/03/76	70	1376	4725N	09235W	29.8	138.3		GGGG			29	27
5533-15374	00000/0000	1-10054/0140	10/03/76	60	1376	4600N	09310W	30.6	137.3		GGGG			29	28
5533-15380	00000/0000	1-10054/0141	10/03/76	60	1376	4435N	09344W	31.4	136.2		GGGG			29	29
5533-15383	00000/0000	1-10054/0142	10/03/76	80	1376	4310N	09416W	32.2	135.2		GGGG			29	30
5533-15385	00000/0000	1-10054/0143	10/03/76	80	1376	4144N	09446W	33.0	134.1		GGGG			29	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5533-15392	00000/0000	1-10054/0144	10/03/76	90	1376	4019N	09516W	33.8	133.0		GGGG			29	32
5533-17200	00000/0000	1-10054/0192	10/03/76	70	1377	4849N	11748W	28.9	139.3		GGGF			47	26
5533-17203	00000/0000	1-10054/0193	10/03/76	70	1377	4724N	11824W	29.8	138.3		GGG			47	27
5533-17205	00000/0000	1-10054/0194	10/03/76	40	1377	4559N	11859W	30.6	137.3		GGGP			47	28
5533-17212	00000/0000	1-10054/0195	10/03/76	40	1377	4434N	11932W	31.4	136.2		GGGP			47	29
5533-17214	00000/0000	1-10054/0196	10/03/76	20	1377	4309N	12004W	32.2	135.2		GGGP			47	30
5533-17221	00000/0000	1-10054/0197	10/03/76	10	1377	4144N	12035W	33.0	134.1		GGGF			47	31
5533-17223	00000/0000	1-10054/0198	10/03/76	10	1377	4018N	12105W	33.8	133.0		GGGF			47	32
5533-17230	00000/0000	1-10054/0199	10/03/76	10	1377	3853N	12134W	34.5	131.9		GGGF			47	33
5533-17232	00000/0000	1-10054/0200	10/03/76	10	1377	3727N	12202W	35.3	130.8		GGFF			47	34
5533-17235	00000/0000	1-10054/0201	10/03/76	30	1377	3601N	12229W	36.0	129.7		GGGG			47	35
5533-17241	00000/0000	1-10054/0202	10/03/76	60	1377	3435N	12255W	36.7	128.6		GGFG			47	36
5534-13594	00000/0000	1-10054/0153	10/04/76	0	1389	4724N	06814W	29.5	138.5		G GG			12	27
5534-14000	00000/0000	1-10054/0154	10/04/76	0	1389	4559N	06848W	30.3	137.5		G GG			12	28
5534-14003	00000/0000	1-10054/0155	10/04/76	0	1389	4434N	06922W	31.2	136.5		G GG			12	29
5534-14005	00000/0000	1-10054/0156	10/04/76	0	1389	4309N	06953W	32.0	135.4		G FF			12	30
5534-14012	00000/0000	1-10054/0157	10/04/76	10	1389	4143N	07024W	32.8	134.4		FFGG			12	31
5534-14014	00000/0000	1-10054/0158	10/04/76	60	1389	4018N	07053W	33.5	133.3		GGGG			12	32
5534-14021	00000/0000	1-10054/0159	10/04/76	70	1389	3852N	07122W	34.3	132.2		GGGG			12	33
5534-14023	00000/0000	1-10054/0160	10/04/76	30	1389	3726N	07150W	35.0	131.1		GGGG			12	34
5534-14030	00000/0000	1-10054/0161	10/04/76	30	1389	3601N	07217W	35.7	130.0		GGGG			12	35
5534-15423	00000/0000	1-10054/0162	10/04/76	60	1390	4848N	09326W	28.6	139.6		GGGG			30	26
5534-15425	00000/0000	1-10054/0163	10/04/76	90	1390	4723N	09402W	29.5	138.5		GGGG			30	27
5534-15432	00000/0000	1-10054/0164	10/04/76	90	1390	4558N	09437W	30.3	137.5		GG G			30	28
5534-15434	00000/0000	1-10054/0165	10/04/76	50	1390	4433N	09510W	31.1	136.5		FGGG			30	29
5534-15441	00000/0000	1-10054/0166	10/04/76	30	1390	4308N	09542W	32.0	135.4		FGGG			30	30
5534-15443	00000/0000	1-10054/0167	10/04/76	50	1390	4142N	09613W	32.7	134.4		FGGG			30	31
5534-15450	00000/0000	1-10054/0168	10/04/76	90	1390	4016N	09642W	33.5	133.3		FGGG			30	32
5534-15452	00000/0000	1-10054/0169	10/04/76	90	1390	3851N	09711W	34.3	132.2		GGGG			30	33
5534-15455	00000/0000	1-10054/0170	10/04/76	90	1390	3725N	09739W	35.0	131.1		FFGF			30	34
5534-15461	00000/0000	1-10054/0145	10/04/76	70	1390	3600N	09806W	35.7	130.0		GGGG			30	35
5534-15464	00000/0000	1-10054/0146	10/04/76	70	1390	3435N	09833W	36.4	128.9		GGGG			30	36
5534-15470	00000/0000	1-10054/0147	10/04/76	90	1390	3310N	09859W	37.1	127.8		GGGG			30	37
5534-15473	00000/0000	1-10054/0148	10/04/76	90	1390	3146N	09924W	37.8	126.6		GGGG			30	38
5534-15475	00000/0000	1-10054/0149	10/04/76	90	1390	3020N	09947W	38.4	125.4		GGGG			30	39
5534-15482	00000/0000	1-10054/0150	10/04/76	90	1390	2852N	10010W	39.0	124.2		GGGG			30	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5534-15484	00000/0000	1-10054/0151	10/04/76	50	1390	2725N	10033W	39.6	123.0		GGGG			30	41
5534-15491	00000/0000	1-10054/0152	10/04/76	30	1390	2558N	10057W	40.1	121.7		GGGG			30	42
5534-17254	00000/0000	1-10054/0179	10/04/76	80	1391	4850N	11914W	28.6	139.6		GGGG			48	26
5534-17261	00000/0000	1-10054/0180	10/04/76	10	1391	4725N	11950W	29.4	138.6		GGGG			48	27
5534-17263	00000/0000	1-10054/0181	10/04/76	10	1391	4600N	12024W	30.3	137.5		GGGG			48	28
5534-17270	00000/0000	1-10054/0182	10/04/76	10	1391	4434N	12058W	31.1	136.5		GGGG			48	29
5534-17272	00000/0000	1-10054/0183	10/04/76	10	1391	4309N	12130W	31.9	135.6		GGGG			48	30
5534-17275	00000/0000	1-10054/0184	10/04/76	0	1391	4144N	12201W	32.7	134.4		GGGG			48	31
5534-17281	00000/0000	1-10054/0185	10/04/76	0	1391	4019N	12230W	33.5	133.4		GGGG			48	32
5534-17284	00000/0000	1-10054/0186	10/04/76	10	1391	3854N	12259W	34.2	132.3		GGGG			48	33
5534-17290	00000/0000	1-10054/0187	10/04/76	10	1391	3728N	12327W	35.0	131.2		GGGG			48	34
5534-17293	00000/0000	1-10054/0188	10/04/76	30	1391	3602N	12354W	35.7	130.1		GGGG			48	35
5535-14052	00000/0000	1-10054/0203	10/05/76	10	1403	4727N	06940W	29.2	138.8		FGGG			13	27
5535-14054	00000/0000	1-10054/0204	10/05/76	10	1403	4601N	07015W	30.0	137.8		GGGG			13	28
5535-14061	00000/0000	1-10054/0205	10/05/76	10	1403	4435N	07047W	30.8	136.8		GGGG			13	29
5535-14063	00000/0000	1-10054/0206	10/05/76	20	1403	4310N	07118W	31.7	135.7		GGGG			13	30
5535-14070	00000/0000	1-10054/0207	10/05/76	90	1403	4144N	07149W	32.5	134.7		GGGG			13	31
5535-14072	00000/0000	1-10054/0208	10/05/76	90	1403	4019N	07219W	33.2	133.6		GGGG			13	32
5535-15481	00000/0000	1-10054/0209	10/05/76	100	1404	4848N	09452W	28.3	139.8		GGGG			31	26
5535-15483	00000/0000	1-10054/0210	10/05/76	80	1404	4724N	09528W	29.2	138.8		GGGG			31	27
5535-15490	00000/0000	1-10054/0211	10/05/76	10	1404	4559N	09603W	30.0	137.8		GGGG			31	28
5535-15492	00000/0000	1-10054/0212	10/05/76	0	1404	4434N	09636W	30.8	136.8		GGGG			31	29
5535-15495	00000/0000	1-10054/0213	10/05/76	0	1404	4308N	09708W	31.6	135.7		GGGG			31	30
5535-15501	00000/0000	1-10054/0214	10/05/76	10	1404	4143N	09738W	32.4	134.7		GGGF			31	31
5535-15504	00000/0000	1-10054/0215	10/05/76	30	1404	4018N	09808W	33.2	133.6		GGGF			31	32
5535-15510	00000/0000	1-10054/0216	10/05/76	30	1404	3852N	09837W	34.0	132.6		GGGF			31	33
5535-15513	00000/0000	1-10054/0217	10/05/76	10	1404	3727N	09905W	34.7	131.5		GGGF			31	34
5535-15515	00000/0000	1-10054/0218	10/05/76	0	1404	3602N	09932W	35.4	130.4		GGGF			31	35
5535-15522	00000/0000	1-10054/0219	10/05/76	0	1404	3436N	09958W	36.2	129.3		GGGF			31	36
5535-15524	00000/0000	1-10054/0220	10/05/76	0	1404	3312N	10029W	36.8	128.2		FGGG			31	37
5535-15531	00000/0000	1-10054/0221	10/05/76	0	1404	3147N	10047W	37.5	127.0		GGGF			31	38
5535-15533	00000/0000	1-10054/0222	10/05/76	10	1404	3021N	10111W	38.1	125.8		GGGF			31	39
5535-15540	00000/0000	1-10054/0223	10/05/76	10	1404	2854N	10134W	38.8	124.6		GGGF			31	40
5535-15542	00000/0000	1-10054/0224	10/05/76	20	1404	2727N	10157W	39.3	123.4		GGGF			31	41
5536-14110	00000/0000	1-10054/0225	10/06/76	70	1417	4727N	07106W	28.9	139.0		GGGG			14	27
5536-14112	00000/0000	1-10054/0226	10/06/76	60	1417	4557N	07141W	29.7	138.0		GGGG			14	28

KEYS: CLOUD COVER % 0 TO 100 = X CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5536-14115	00000/0000	1-10054/0227	10/06/76	80	1417	4431N	07214W	30.6	137.0	GGGG			14	29
5536-14121	00000/0000	1-10054/0228	10/06/76	90	1417	4306N	07245W	31.4	136.0	GGGG			14	30
5536-14124	00000/0000	1-10054/0229	10/06/76	90	1417	4141N	07315W	32.2	134.9	GGGG			14	31
5536-14130	00000/0000	1-10054/0230	10/06/76	90	1417	4017N	07344W	33.0	133.9	GGGG			14	32
5536-14133	00000/0000	1-10054/0231	10/06/76	70	1417	3851N	07413W	33.7	132.9	GGGG			14	33
5536-14135	00000/0000	1-10054/0232	10/06/76	40	1417	3726N	07440W	34.5	131.8	GGGG			14	34
5536-14142	00000/0000	1-10054/0233	10/06/76	30	1417	3601N	07507W	35.2	130.7	GGGG			14	35
5536-14144	00000/0000	1-10054/0234	10/06/76	30	1417	3435N	07532W	35.9	129.6	GGGG			14	36
5536-14151	00000/0000	1-10054/0235	10/06/76	20	1417	3309N	07558W	36.6	128.5	GGGG			14	37
5536-14153	00000/0000	1-10054/0236	10/06/76	10	1417	3143N	07623W	37.3	127.4	GGGG			14	38
5536-14160	00000/0000	1-10054/0237	10/06/76	20	1417	3018N	07647W	37.9	126.2	GGGG			14	39
5536-14162	00000/0000	1-10054/0238	10/06/76	30	1417	2852N	07711W	38.6	125.0	GGGG			14	40
5536-14165	00000/0000	1-10054/0239	10/06/76	30	1417	2726N	07736W	39.2	123.8	GGGG			14	41
5536-15535	00000/0000	1-10054/0286	10/06/76	80	1418	4848N	09621W	28.0	140.0	GGG			32	26
5536-15541	00000/0000	1-10054/0287	10/06/76	10	1418	4723N	09656W	28.9	139.0	GGG			32	27
5536-15544	00000/0000	1-10054/0288	10/06/76	50	1418	4557N	09730W	29.7	138.0	GGGG			32	28
5536-15550	00000/0000	1-10054/0289	10/06/76	80	1418	4432N	09803W	30.5	137.0	FGGG			32	29
5536-15553	00000/0000	1-10054/0290	10/06/76	80	1418	4306N	09835W	31.4	136.0	GGGG			32	30
5536-15555	00000/0000	1-10054/0291	10/06/76	90	1418	4141N	09906W	32.2	135.0	GGGG			32	31
5536-15562	00000/0000	1-10054/0292	10/06/76	90	1418	4016N	09935W	32.9	133.9	GGGG			32	32
5536-15564	00000/0000	1-10054/0293	10/06/76	70	1418	3851N	10004W	33.7	132.9	GGGG			32	33
5536-15571	00000/0000	1-10054/0294	10/06/76	40	1418	3725N	10032W	34.5	131.8	GGGG			32	34
5536-15573	00000/0000	1-10054/0295	10/06/76	80	1418	3559N	10058W	35.2	130.7	GGGG			32	35
5536-15580	00000/0000	1-10054/0296	10/06/76	90	1418	3434N	10125W	35.9	129.6	GGGG			32	36
5536-15582	00000/0000	1-10054/0297	10/06/76	70	1418	3308N	10151W	36.6	128.5	GGGG			32	37
5536-15585	00000/0000	1-10054/0298	10/06/76	40	1418	3143N	10215W	37.3	127.4	GGGG			32	38
5536-15591	00000/0000	1-10054/0299	10/06/76	10	1418	3017N	10239W	37.9	126.2	GGGG			32	39
5536-15594	00000/0000	1-10054/0300	10/06/76	0	1418	2851N	10302W	38.5	125.0	GGGG			32	40
5536-16000	00000/0000	1-10054/0301	10/06/76	0	1418	2725N	10325W	39.1	123.8	GGGG			32	41
5538-16050	00000/0000	1-10054/0324	10/08/76	10	1446	4849N	09912W	27.3	140.5	GGGG			34	26
5538-16053	00000/0000	1-10054/0325	10/08/76	0	1446	4724N	09948W	28.2	139.5	GGGG			34	27
5538-16055	00000/0000	1-10054/0326	10/08/76	10	1446	4559N	10023W	29.1	138.5	GGGG			34	28
5538-16062	00000/0000	1-10054/0327	10/08/76	10	1446	4434N	10056W	29.9	137.6	GGGG			34	29
5538-16064	00000/0000	1-10054/0328	10/08/76	0	1446	4310N	10128W	30.7	136.6	GGGG			34	30
5538-16071	00000/0000	1-10054/0329	10/08/76	0	1446	4145N	10159W	31.5	135.6	GGGG			34	31
5538-16073	00000/0000	1-10054/0330	10/08/76	0	1446	4019N	10229W	32.3	134.5	GGGG			34	32

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5538-16080	00000/0000	1-10054/0331	10/08/76	0	1446	3853N	10257W	33.1	133.5	GGGG			34	33
5538-16082	00000/0000	1-10054/0332	10/08/76	0	1446	3728N	10325W	33.9	132.5	GGGG			34	34
5538-16085	00000/0000	1-10054/0333	10/08/76	0	1446	3603N	10353W	34.6	131.4	GGGG			34	35
5538-16091	00000/0000	1-10054/0334	10/08/76	0	1446	3437N	10419W	35.4	130.3	GGGG			34	36
5538-17482	00000/0000	1-10054/0240	10/08/76	80	1447	4847N	12459W	27.3	140.5	FGGG			52	26
5538-17485	00000/0000	1-10054/0241	10/08/76	90	1447	4722N	12535W	28.2	139.5	FGGG			52	27
5538-17491	00000/0000	1-10054/0242	10/08/76	90	1447	4557N	12610W	29.1	138.6	FGFG			52	28
5539-14334	00000/0000	1-10054/0257	10/09/76	90	1459	2728N	08156W	38.5	125.0	GGGG		H	17	41
5539-16104	00000/0000	1-10054/0243	10/09/76	10	1460	4850N	10038W	27.0	140.8	GGG			35	26
5539-16111	00000/0000	1-10054/0244	10/09/76	10	1460	4725N	10114W	27.9	139.8	GGGG			35	27
5539-16113	00000/0000	1-10054/0245	10/09/76	0	1460	4600N	10149W	28.7	138.8	GGGG			35	28
5539-16120	00000/0000	1-10054/0246	10/09/76	0	1460	4436N	10223W	29.6	137.8	FGGG			35	29
5539-16122	00000/0000	1-10054/0247	10/09/76	0	1460	4311N	10255W	30.4	136.8	GGGG			35	30
5539-16125	00000/0000	1-10054/0248	10/09/76	0	1460	4146N	10325W	31.2	135.8	GGGG			35	31
5539-16131	00000/0000	1-10054/0249	10/09/76	0	1460	4021N	10355W	32.0	134.8	GGGG			35	32
5539-16134	00000/0000	1-10054/0250	10/09/76	0	1460	3855N	10424W	32.8	133.8	GGGG			35	33
5539-16140	00000/0000	1-10054/0251	10/09/76	0	1460	3729N	10451W	33.6	132.8	GGGG			35	34
5539-16143	00000/0000	1-10054/0252	10/09/76	0	1460	3603N	10518W	34.4	131.7	GGGG			35	35
5539-16145	00000/0000	1-10054/0253	10/09/76	0	1460	3437N	10544W	35.1	130.7	GGGG			35	36
5539-16152	00000/0000	1-10054/0254	10/09/76	0	1460	3311N	10610W	35.8	129.6	GGGG			35	37
5539-16154	00000/0000	1-10054/0255	10/09/76	0	1460	3144N	10634W	36.5	128.5	GGGG			35	38
5539-16161	00000/0000	1-10054/0256	10/09/76	0	1460	3018N	10659W	37.2	127.4	GGGG			35	39
5540-14392	00000/0000	1-10054/0323	10/10/76	60	1473	2726N	08320W	38.3	125.4	GGGG		H	18	41
5540-16162	00000/0000	1-10054/0258	10/10/76	40	1474	4850N	10202W	26.7	141.0	GGGG			36	26
5540-16165	00000/0000	1-10054/0259	10/10/76	30	1474	4725N	10238W	27.6	140.0	GGGG			36	27
5540-16171	00000/0000	1-10054/0260	10/10/76	20	1474	4600N	10313W	28.4	139.1	GGGG			36	28
5540-16174	00000/0000	1-10054/0261	10/10/76	10	1474	4435N	10346W	29.3	138.1	GGGG			36	29
5540-16180	00000/0000	1-10054/0262	10/10/76	0	1474	4310N	10418W	30.1	137.1	GGGG			36	30
5540-16183	00000/0000	1-10054/0263	10/10/76	10	1474	4145N	10449W	30.9	136.1	GGGG			36	31
5540-16185	00000/0000	1-10054/0264	10/10/76	0	1474	4020N	10519W	31.7	135.1	GGGG			36	32
5540-16192	00000/0000	1-10054/0265	10/10/76	0	1474	3854N	10548W	32.5	134.1	GGGG			36	33
5540-16194	00000/0000	1-10054/0266	10/10/76	0	1474	3728N	10616W	33.3	133.1	GGGG			36	34
5540-16201	00000/0000	1-10054/0267	10/10/76	0	1474	3603N	10643W	34.1	132.1	GGGG			36	35
5540-16203	00000/0000	1-10054/0268	10/10/76	0	1474	3437N	10709W	34.8	131.0	GGGG			36	36
5540-16210	00000/0000	1-10054/0269	10/10/76	0	1474	3311N	10735W	35.5	129.9	GGGG			36	37
5540-16212	00000/0000	1-10054/0270	10/10/76	0	1474	3145N	10800W	36.2	128.9	GGGG			36	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5540-16215	00000/0000	1-10054/0271	10/10/76	0	1474	3019N	10824W	36.9	127.7				36	39
5541-14385	00000/0000	1-10054/0309	10/11/76	80	1487	4848N	07740W	26.4	141.2				19	26
5541-14391	00000/0000	1-10054/0310	10/11/76	70	1487	4723N	07816W	27.3	140.2				19	27
5541-14394	00000/0000	1-10054/0311	10/11/76	10	1487	4559N	07851W	28.1	139.3				19	28
5541-14400	00000/0000	1-10054/0312	10/11/76	0	1487	4434N	07924W	29.0	138.3				19	29
5541-14403	00000/0000	1-10054/0313	10/11/76	10	1487	4309N	07957W	29.8	137.3				19	30
5541-14405	00000/0000	1-10054/0314	10/11/76	20	1487	4144N	08028W	30.7	136.4				19	31
5541-14412	00000/0000	1-10054/0315	10/11/76	60	1487	4020N	08058W	31.5	135.4				19	32
5541-14414	00000/0000	1-10054/0316	10/11/76	20	1487	3854N	08127W	32.3	134.4				19	33
5541-14421	00000/0000	1-10054/0317	10/11/76	20	1487	3727N	08154W	33.1	133.4				19	34
5541-14423	00000/0000	1-10054/0318	10/11/76	10	1487	3601N	08220W	33.8	132.3				19	35
5541-14430	00000/0000	1-10054/0319	10/11/76	10	1487	3435N	08247W	34.6	131.3				19	36
5541-14432	00000/0000	1-10054/0320	10/11/76	0	1487	3311N	08313W	35.3	130.2				19	37
5541-14435	00000/0000	1-10054/0321	10/11/76	0	1487	3145N	08338W	36.0	129.2				19	38
5541-14441	00000/0000	1-10054/0322	10/11/76	0	1487	3019N	08403W	36.7	128.1				19	39
5541-16220	00000/0000	1-10054/0272	10/11/76	30	1488	4847N	10329W	26.4	141.2				37	26
5541-16223	00000/0000	1-10054/0273	10/11/76	30	1488	4722N	10405W	27.3	140.2				37	27
5541-16225	00000/0000	1-10054/0274	10/11/76	20	1488	4557N	10440W	28.1	139.3				37	28
5541-16232	00000/0000	1-10054/0275	10/11/76	10	1488	4432N	10513W	29.0	138.3				37	29
5541-16234	00000/0000	1-10054/0276	10/11/76	10	1488	4307N	10545W	29.8	137.3				37	30
5541-16241	00000/0000	1-10054/0277	10/11/76	50	1488	4142N	10616W	30.7	136.4				37	31
5541-16243	00000/0000	1-10054/0278	10/11/76	90	1488	4017N	10646W	31.5	135.4				37	32
5541-16250	00000/0000	1-10054/0279	10/11/76	90	1488	3851N	10715W	32.3	134.4				37	33
5541-16252	00000/0000	1-10054/0280	10/11/76	30	1488	3725N	10743W	33.1	133.4				37	34
5541-16255	00000/0000	1-10054/0281	10/11/76	0	1488	3600N	10810W	33.8	132.4				37	35
5541-16261	00000/0000	1-10054/0282	10/11/76	0	1488	3435N	10836W	34.6	131.3				37	36
5541-16264	00000/0000	1-10054/0283	10/11/76	0	1488	3309N	10902W	35.3	130.3				37	37
5541-16270	00000/0000	1-10054/0284	10/11/76	0	1488	3143N	10926W	36.0	129.2				37	38
5541-16273	00000/0000	1-10054/0285	10/11/76	0	1488	3018N	10950W	36.7	128.1				37	39
5542-14463	00000/0000	1-10054/0307	10/12/76	30	1501	4145N	08153W	30.4	136.6				20	31
5542-14470	00000/0000	1-10054/0308	10/12/76	10	1501	4019N	08222W	31.2	135.7				20	32
5542-16313	00000/0000	1-10054/0302	10/12/76	0	1502	3601N	10935W	33.5	132.7				38	35
5542-16315	00000/0000	1-10054/0303	10/12/76	0	1502	3435N	11002W	34.3	131.6				38	36
5542-16322	00000/0000	1-10054/0304	10/12/76	10	1502	3310N	11028W	35.0	130.6				38	37
5542-16324	00000/0000	1-10054/0305	10/12/76	10	1502	3144N	11053W	35.8	129.5				38	38
5542-16331	00000/0000	1-10054/0306	10/12/76	10	1502	3018N	11117W	36.5	128.4				38	39

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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5542-18085	00000/0000	1-10054/0335	10/12/76	90	1503	5552N	12711W	21.4	146.3		GGGG			56	21
5542-18092	00000/0000	1-10054/0336	10/12/76	90	1503	5428N	12759W	22.4	145.3		GGGG			56	22
5543-14523	00000/0000	1-10054/0351	10/13/76	10	1515	4020N	08347W	30.9	135.9		GGGG			21	32
5543-14530	00000/0000	1-10054/0352	10/13/76	10	1515	3854N	08416W	31.7	135.0		GGGG			21	33
5543-14532	00000/0000	1-10054/0353	10/13/76	10	1515	3728N	08444W	32.5	134.0		GGGG			21	34
5543-14535	00000/0000	1-10054/0354	10/13/76	10	1515	3602N	08511W	33.3	133.0		GGGG			21	35
5543-14541	00000/0000	1-10054/0355	10/13/76	10	1515	3436N	08538W	34.0	132.0		GGGG			21	36
5543-14544	00000/0000	1-10054/0356	10/13/76	10	1515	3311N	08604W	34.8	130.9		GGGG			21	37
5543-14550	00000/0000	1-10054/0357	10/13/76	20	1515	3146N	08629W	35.5	129.9		GGFG			21	38
5543-14553	00000/0000	1-10054/0358	10/13/76	40	1515	3020N	08654W	36.2	128.8		GGGG			21	39
5543-16332	00000/0000	1-10054/0359	10/13/76	90	1516	4849N	10621W	25.7	141.6		GGGG			39	26
5543-16335	00000/0000	1-10054/0360	10/13/76	30	1516	4724N	10658W	26.6	140.7		FGGG			39	27
5543-16341	00000/0000	1-10054/0361	10/13/76	10	1516	4600N	10732W	27.5	139.7		GGGG			39	28
5543-16344	00000/0000	1-10054/0362	10/13/76	10	1516	4494N	10805W	28.4	138.8		GGGG			39	29
5543-16350	00000/0000	1-10054/0363	10/13/76	10	1516	4309N	10837W	29.2	137.9		GGGG			39	30
5543-16353	00000/0000	1-10054/0364	10/13/76	10	1516	4143N	10907W	30.0	136.9		GGGG			39	31
5543-16355	00000/0000	1-10054/0365	10/13/76	0	1516	4017N	10937W	30.9	136.0		GGGG			39	32
5543-16362	00000/0000	1-10054/0366	10/13/76	0	1516	3852N	11006W	31.7	135.0		GGGG			39	33
5543-16364	00000/0000	1-10054/0367	10/13/76	0	1516	3727N	11034W	32.5	134.0		GGGG			39	34
5543-16371	00000/0000	1-10054/0368	10/13/76	10	1516	3601N	11100W	33.3	133.0		GGGG			39	35
5543-16373	00000/0000	1-10054/0369	10/13/76	30	1516	3435N	11127W	34.0	132.0		GGGG			39	36
5543-16380	00000/0000	1-10054/0370	10/13/76	40	1516	3310N	11153W	34.8	130.9		GGGG			39	37
5543-16382	00000/0000	1-10054/0371	10/13/76	30	1516	3145N	11219W	35.5	129.9		GGGG			39	38
5543-16385	00000/0000	1-10054/0372	10/13/76	10	1516	3019N	11243W	36.2	128.8		GGGG			39	39
5544-14572	00000/0000	1-10054/0373	10/14/76	20	1529	4307N	08415W	28.9	138.1		GFGG			22	30
5544-14575	00000/0000	1-10054/0374	10/14/76	10	1529	4142N	08446W	29.8	137.1		GGGF			22	31
5544-14581	00000/0000	1-10054/0375	10/14/76	0	1529	4016N	08515W	30.6	136.2		FGGG			22	32
5544-14584	00000/0000	1-10054/0376	10/14/76	0	1529	3851N	08544W	31.4	135.2		GGGG			22	33
5544-14590	00000/0000	1-10054/0377	10/14/76	0	1529	3725N	08612W	32.2	134.2		GGGG			22	34
5544-14593	00000/0000	1-10054/0378	10/14/76	0	1529	3600N	08639W	33.0	133.3		GGGG			22	35
5544-14595	00000/0000	1-10054/0379	10/14/76	0	1529	3434N	08706W	33.8	132.2		GGGG			22	36
5544-15002	00000/0000	1-10054/0380	10/14/76	0	1529	3309N	08732W	34.5	131.2		GGGG			22	37
5544-15004	00000/0000	1-10054/0381	10/14/76	0	1529	3144N	08757W	35.3	130.2		GGGG			22	38
5544-15011	00000/0000	1-10054/0382	10/14/76	10	1529	3018N	08821W	36.0	129.1		GGGG			22	39
5544-15013	00000/0000	1-10054/0383	10/14/76	40	1529	2851N	08844W	36.7	128.0		GGGG			22	40
5544-16384	00000/0000	1-10054/0337	10/14/76	70	1530	5010N	10710W	24.5	142.7		GGGG			40	25

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5544-16390	00000/0000	1-10054/0338	10/14/76	30	1530	4846N	10747W	25.4	141.8		GGGG			40	26
5544-16393	00000/0000	1-10054/0339	10/14/76	50	1530	4721N	10823W	26.3	140.9		GGGG			40	27
5544-16395	00000/0000	1-10054/0340	10/14/76	20	1530	4556N	10857W	27.2	139.9		GGGG			40	28
5544-16402	00000/0000	1-10054/0341	10/14/76	10	1530	4431N	10930W	28.1	139.0		GFGG			40	29
5544-16404	00000/0000	1-10054/0342	10/14/76	0	1530	4306N	11002W	28.9	138.1		GFGG			40	30
5544-16411	00000/0000	1-10054/0343	10/14/76	0	1530	4141N	11034W	29.8	137.1		GFGG			40	31
5544-16413	00000/0000	1-10054/0344	10/14/76	0	1530	4015N	11104W	30.6	136.2		FGGG			40	32
5544-16420	00000/0000	1-10054/0345	10/14/76	0	1530	3849N	11133W	31.4	135.2		GGGG			40	33
5544-16422	00000/0000	1-10054/0346	10/14/76	0	1530	3724N	11201W	32.2	134.3		GFGG			40	34
5544-16425	00000/0000	1-10054/0347	10/14/76	0	1530	3558N	11228W	33.0	133.3		FFGG			40	35
5544-16431	00000/0000	1-10054/0348	10/14/76	0	1530	3432N	11254W	33.8	132.3		GGGG			40	36
5544-16434	00000/0000	1-10054/0349	10/14/76	10	1530	3307N	11319W	34.5	131.2		GGGG			40	37
5544-16440	00000/0000	1-10054/0350	10/14/76	10	1530	3141N	11345W	35.3	130.2		GFGG			40	38
5545-15033	00000/0000	1-10054/0403	10/15/76	0	1543	4143N	08611W	29.5	137.4		GGGG			23	31
5545-15035	00000/0000	1-10054/0404	10/15/76	10	1543	4018N	08641W	30.3	136.4		GGGG			23	32
5545-15042	00000/0000	1-10054/0405	10/15/76	10	1543	3853N	08709W	31.1	135.5		GGGG			23	33
5545-15044	00000/0000	1-10054/0406	10/15/76	20	1543	3728N	08737W	31.9	134.5		GGGG			23	34
5545-15051	00000/0000	1-10054/0407	10/15/76	10	1543	3602N	08805W	32.7	133.6		GGGG			23	35
5545-15053	00000/0000	1-10054/0408	10/15/76	60	1543	3436N	08832W	33.5	132.6		GGGG			23	36
5545-15060	00000/0000	1-10054/0409	10/15/76	50	1543	3309N	08857W	34.3	131.5		GGGG			23	37
5545-15062	00000/0000	1-10054/0410	10/15/76	30	1543	3143N	08922W	35.0	130.5		GGGF			23	38
5545-15065	00000/0000	1-10054/0411	10/15/76	20	1543	3017N	08945W	35.7	129.5		GGGG			23	39
5545-16444	00000/0000	1-10054/0384	10/15/76	30	1544	4847N	10911W	25.1	142.0		GGGG			41	26
5545-16450	00000/0000	1-10054/0385	10/15/76	40	1544	4722N	10948W	26.0	141.1		GGGG			41	27
5545-16453	00000/0000	1-10054/0386	10/15/76	50	1544	4557N	11022W	26.9	140.2		GGGG			41	28
5545-16455	00000/0000	1-10054/0387	10/15/76	10	1544	4432N	11055W	27.7	139.3		GGGG			41	29
5545-16462	00000/0000	1-10054/0388	10/15/76	0	1544	4307N	11127W	28.6	138.3		GGGG			41	30
5545-16464	00000/0000	1-10054/0389	10/15/76	10	1544	4142N	11157W	29.5	137.4		GGGG			41	31
5545-16471	00000/0000	1-10054/0390	10/15/76	10	1544	4017N	11227W	30.3	136.5		GGGG			41	32
5545-16473	00000/0000	1-10054/0391	10/15/76	10	1544	3851N	11257W	31.1	135.5		GGGG			41	33
5545-16480	00000/0000	1-10054/0392	10/15/76	0	1544	3724N	11325W	31.9	134.6		GGGG			41	34
5545-16482	00000/0000	1-10054/0393	10/15/76	10	1544	3558N	11352W	32.7	133.6		GGGG			41	35
5545-16485	00000/0000	1-10054/0394	10/15/76	0	1544	3433N	11419W	33.5	132.6		GGGG			41	36
5545-16491	00000/0000	1-10054/0395	10/15/76	0	1544	3307N	11445W	34.3	131.6		GGGG			41	37
5545-16494	00000/0000	1-10054/0396	10/15/76	10	1544	3141N	11509W	35.0	130.5		GGGG			41	38
5546-15082	00000/0000	1-10054/0397	10/16/76	70	1557	4432N	08636W	27.5	139.5		GGGG			24	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS 45678				
5546-15084	00000/0000	1-10054/0398	10/16/76	70	1557	4306N	08708W	28.3	138.5		GGGG			24	30
5546-15091	00000/0000	1-10054/0399	10/16/76	40	1557	4140N	08739W	29.2	137.6		GGGG			24	31
5546-15093	00000/0000	1-10054/0400	10/16/76	10	1557	4014N	08809W	30.0	136.7		GGGG			24	32
5546-15100	00000/0000	1-10054/0401	10/16/76	10	1557	3848N	08838W	30.9	135.7		GGGG			24	33
5546-15102	00000/0000	1-10054/0402	10/16/76	60	1557	3723N	08904W	31.7	134.8		GGGG			24	34
5546-16502	00000/0000	1-10054/0412	10/16/76	40	1558	4849N	11037W	24.7	142.2		FFGG			42	26
5546-16504	00000/0000	1-10054/0413	10/16/76	40	1558	4724N	11113W	25.7	141.3		GGGG			42	27
5546-16511	00000/0000	1-10054/0414	10/16/76	50	1558	4559N	11149W	26.5	140.4		FFGG			42	28
5546-16513	00000/0000	1-10054/0415	10/16/76	10	1558	4434N	11223W	27.4	139.5		GGGG			42	29
5546-16520	00000/0000	1-10054/0416	10/16/76	0	1558	4308N	11256W	28.3	138.6		GGGG			42	30
5546-16522	00000/0000	1-10054/0417	10/16/76	0	1558	4142N	11326W	29.1	137.7		GGGG			42	31
5546-16525	00000/0000	1-10054/0418	10/16/76	0	1558	4017N	11356W	30.0	136.7		GGGG			42	32
5546-16531	00000/0000	1-10054/0419	10/16/76	10	1558	3851N	11425W	30.8	135.8		GGGG			42	33
5546-16534	00000/0000	1-10054/0420	10/16/76	10	1558	3726N	11453W	31.6	134.8		GGGG			42	34
5546-16540	00000/0000	1-10054/0421	10/16/76	10	1558	3601N	11520W	32.4	133.9		GGGG			42	35
5546-16543	00000/0000	1-10054/0422	10/16/76	10	1558	3495N	11546W	33.2	132.9		GGGG			42	36
5546-16545	00000/0000	1-10054/0423	10/16/76	10	1558	3309N	11611W	34.0	131.9		GGGG			42	37
5547-15131	00000/0000	1-10054/0431	10/17/76	80	1571	4723N	08654W	25.4	141.5		GGGG			25	27
5547-15133	00000/0000	1-10054/0432	10/17/76	60	1571	4558N	08729W	26.3	140.6		GGGG			25	28
5547-15140	00000/0000	1-10054/0433	10/17/76	20	1571	4433N	08803W	27.1	139.7		GGGG			25	29
5547-15142	00000/0000	1-10054/0434	10/17/76	10	1571	4308N	08835W	28.0	138.8		GGGG			25	30
5547-15145	00000/0000	1-10054/0435	10/17/76	10	1571	4143N	08907W	28.9	137.9		GGGG			25	31
5547-15151	00000/0000	1-10054/0436	10/17/76	10	1571	4018N	08937W	29.7	137.0		GGGG			25	32
5547-15154	00000/0000	1-10054/0437	10/17/76	0	1571	3853N	09005W	30.6	136.0		GGGG			25	33
5547-15160	00000/0000	1-10054/0438	10/17/76	0	1571	3726N	09031W	31.4	135.1		GGGG			25	34
5547-15163	00000/0000	1-10054/0439	10/17/76	0	1571	3559N	09058W	32.2	134.1		GGGG			25	35
5547-15165	00000/0000	1-10054/0440	10/17/76	0	1571	3433N	09125W	33.0	133.1		GGGG			25	36
5547-16560	00000/0000	1-10054/0424	10/17/76	90	1572	4846N	11206W	24.5	142.4		GGGG			43	26
5547-16562	00000/0000	1-10054/0425	10/17/76	90	1572	4721N	11242W	25.4	141.5		GGFG			43	27
5547-16565	00000/0000	1-10054/0426	10/17/76	90	1572	4556N	11316W	26.3	140.6		GGGG			43	28
5547-16571	00000/0000	1-10054/0427	10/17/76	40	1572	4431N	11349W	27.1	139.7		GGGG			43	29
5547-16574	00000/0000	1-10054/0428	10/17/76	0	1572	4306N	11421W	28.0	138.8		FFGG			43	30
5547-16580	00000/0000	1-10054/0429	10/17/76	0	1572	4141N	11452W	28.9	137.9		GGGG			43	31
5547-16583	00000/0000	1-10054/0430	10/17/76	0	1572	4015N	11522W	29.7	137.0		GGGG			43	32
5548-15205	00000/0000	1-10054/0441	10/18/76	80	1585	4018N	09059W	29.4	137.2		GGGG			26	32
5548-15212	00000/0000	1-10054/0442	10/18/76	60	1585	3852N	09128W	30.3	136.3		GGGG			26	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5548-15214	00000/0000	1-10054/0443	10/18/76	20	1585	3727N	09157W	31.1	135.4		GGGG			26	34
5548-15221	00000/0000	1-10054/0444	10/18/76	10	1585	3601N	09224W	31.9	134.4		FGGG			26	35
5548-15223	00000/0000	1-10054/0445	10/18/76	10	1585	3436N	09250W	32.7	133.4		GGGG			26	36
5548-15230	00000/0000	1-10054/0446	10/18/76	0	1585	3310N	09315W	33.5	132.5		GGGG			26	37
5548-15232	00000/0000	1-10054/0447	10/18/76	0	1585	3145N	09341W	34.2	131.5		GGGG			26	38
5548-15235	00000/0000	1-10054/0448	10/18/76	0	1585	3019N	09405W	35.0	130.4		GGGG			26	39
5548-15241	00000/0000	1-10054/0449	10/18/76	20	1585	2853N	09429W	35.7	129.4		GGGG			26	40
5548-15244	00000/0000	1-10054/0450	10/18/76	40	1585	2727N	09453W	36.4	128.3		GGGG			26	41
5548-15250	00000/0000	1-10054/0451	10/18/76	30	1585	2601N	09516W	37.1	127.3		GGGG			26	42
5548-17014	00000/0000	1-10054/0452	10/18/76	10	1586	4845N	11332W	24.1	142.6		GGGG			44	26
5548-17020	00000/0000	1-10054/0453	10/18/76	10	1586	4721N	11408W	25.0	141.7		GGGG			44	27
5548-17023	00000/0000	1-10054/0454	10/18/76	10	1586	4556N	11442W	25.9	140.8		GGGG			44	28
5548-17025	00000/0000	1-10054/0455	10/18/76	0	1586	4431N	11514W	26.8	139.9		GGGG			44	29
5548-17032	00000/0000	1-10054/0456	10/18/76	0	1586	4307N	11546W	27.7	139.0		GGGG			44	30
5548-17034	00000/0000	1-10054/0457	10/18/76	0	1586	4142N	11616W	28.6	138.1		FGGG			44	31
5548-17041	00000/0000	1-10054/0458	10/18/76	0	1586	4017N	11646W	29.4	137.2		GGGG			44	32
5548-17043	00000/0000	1-10054/0459	10/18/76	0	1586	3852N	11714W	30.2	136.3		GFFG			44	33
5548-17050	00000/0000	1-10054/0460	10/18/76	0	1586	3727N	11742W	31.1	135.4		GGGG			44	34
5548-17052	00000/0000	1-10054/0461	10/18/76	10	1586	3600N	11809W	31.9	134.4		GGGG			44	35
5548-17055	00000/0000	1-10054/0462	10/18/76	40	1586	3434N	11836W	32.7	133.5		GGGG			44	36
5548-17061	00000/0000	1-10054/0463	10/18/76	60	1586	3308N	11902W	33.5	132.5		GGGG			44	37
5654-15173	00000/0000	1-10055/0132	02/01/77	0	3063	3852N	09249W	19.1	132.5		GGGG			27	33
5654-15180	00000/0000	1-10055/0133	02/01/77	0	3063	3726N	09316W	19.8	131.9		GGGG			27	34
5654-15182	00000/0000	1-10055/0134	02/01/77	10	3063	3600N	09344W	20.6	131.2		GGGG			27	35
5654-15185	00000/0000	1-10055/0135	02/01/77	0	3063	3434N	09410W	21.3	130.5		FGGG			27	36
5654-15191	00000/0000	1-10055/0136	02/01/77	10	3063	3308N	09436W	22.0	129.8		GGGG			27	37
5654-17002	00000/0000	1-10055/0126	02/01/77	30	3064	4020N	11808W	18.3	133.2		GGGG			45	32
5654-17005	00000/0000	1-10055/0127	02/01/77	30	3064	3854N	11836W	19.1	132.5		GGGG			45	33
5654-17011	00000/0000	1-10055/0128	02/01/77	40	3064	3728N	11904W	19.8	131.9		GGGG			45	34
5654-17014	00000/0000	1-10055/0129	02/01/77	70	3064	3602N	11932W	20.6	131.2		GGGG			45	35
5654-17020	00000/0000	1-10055/0130	02/01/77	80	3064	3436N	11958W	21.3	130.5		GGGG			45	36
5654-17023	00000/0000	1-10055/0131	02/01/77	90	3064	3310N	12024W	22.0	129.8		GGGG			45	37
5655-17042	00000/0000	1-10055/0137	02/02/77	70	3078	4600N	11729W	15.4	135.6		FGGG			46	28
5655-17045	00000/0000	1-10055/0138	02/02/77	20	3078	4434N	11803W	16.2	135.0		GGGG			46	29
5655-17051	00000/0000	1-10055/0139	02/02/77	20	3078	4309N	11835W	17.0	134.3		GGGG			46	30
5655-17054	00000/0000	1-10055/0140	02/02/77	10	3078	4144N	11906W	17.8	133.6		GGGG			46	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5655-17060	00000/0000	1-10055/0141	02/02/77	0	3078	4019N	11936W	18.5	133.0		GGGG			46	32
5655-17063	00000/0000	1-10055/0142	02/02/77	10	3078	3855N	12005W	19.3	132.3		FGGG			46	33
5655-17065	00000/0000	1-10055/0143	02/02/77	60	3078	3729N	12033W	20.0	131.6		GGGG			46	34
5655-17072	00000/0000	1-10055/0144	02/02/77	50	3078	3603N	12100W	20.7	130.9		GGGG			46	35
5655-17074	00000/0000	1-10055/0145	02/02/77	50	3078	3437N	12127W	21.5	130.3		GGGG			46	36
5655-17081	00000/0000	1-10055/0146	02/02/77	70	3078	3311N	12152W	22.2	129.6		GGGG			46	37
5656-13430	00000/0000	1-10055/0158	02/03/77	40	3090	4726N	06642W	14.8	136.1		GGGG			11	27
5656-13433	00000/0000	1-10055/0159	02/03/77	40	3090	4600N	06717W	15.6	135.4		GGGG			11	28
5656-13435	00000/0000	1-10055/0160	02/03/77	40	3090	4435N	06751W	16.4	134.8		GGGF			11	29
5656-13442	00000/0000	1-10055/0161	02/03/77	50	3090	4309N	06824W	17.2	134.1		GGGG			11	30
5656-13444	00000/0000	1-10055/0162	02/03/77	70	3090	4143N	06856W	18.0	133.4		GGGG			11	31
5656-13451	00000/0000	1-10055/0163	02/03/77	70	3090	4017N	06926W	18.7	132.8		GGGG			11	32
5656-17091	00000/0000	1-10055/0147	02/03/77	60	3092	4852N	11741W	14.1	136.8		GGGG			47	26
5656-17093	00000/0000	1-10055/0148	02/03/77	90	3092	4727N	11818W	14.9	136.1		GGGG			47	27
5656-17100	00000/0000	1-10055/0149	02/03/77	80	3092	4601N	11853W	15.7	135.4		GGGG			47	28
5656-17102	00000/0000	1-10055/0150	02/03/77	30	3092	4435N	11927W	16.4	134.7		GGGG			47	29
5656-17105	00000/0000	1-10055/0151	02/03/77	0	3092	4309N	11959W	17.2	134.0		GGGG			47	30
5656-17111	00000/0000	1-10055/0152	02/03/77	0	3092	4144N	12031W	18.0	133.4		GGGG			47	31
5656-17114	00000/0000	1-10055/0153	02/03/77	10	3092	4019N	12101W	18.7	132.7		GGGG			47	32
5656-17120	00000/0000	1-10055/0154	02/03/77	30	3092	3853N	12130W	19.5	132.1		FGGG			47	33
5656-17123	00000/0000	1-10055/0155	02/03/77	40	3092	3728N	12158W	20.2	131.4		GGGG			47	34
5656-17125	00000/0000	1-10055/0156	02/03/77	20	3092	3604N	12225W	20.9	130.7		GGGF			47	35
5656-17132	00000/0000	1-10055/0157	02/03/77	40	3092	3438N	12252W	21.7	130.0		GGGG			47	36
5657-15313	00000/0000	1-10055/0001	02/04/77	10	3105	4848N	09323W	14.3	136.6		GGGG			30	26
5657-15320	00000/0000	1-10055/0002	02/04/77	30	3105	4723N	09400W	15.1	135.9		GGGG			30	27
5657-15322	00000/0000	1-10055/0003	02/04/77	10	3105	4559N	09434W	15.9	135.2		GGGG			30	28
5657-15325	00000/0000	1-10055/0004	02/04/77	70	3105	4434N	09507W	16.7	134.5		GGGG			30	29
5657-15331	00000/0000	1-10055/0005	02/04/77	80	3105	4309N	09540W	17.4	133.9		GGGG			30	30
5657-15334	00000/0000	1-10055/0006	02/04/77	90	3105	4143N	09611W	18.2	133.2		GGGG			30	31
5657-15340	00000/0000	1-10055/0007	02/04/77	70	3105	4017N	09640W	19.0	132.5		GGGG			30	32
5657-15343	00000/0000	1-10055/0008	02/04/77	30	3105	3851N	09709W	19.7	131.8		FGFG			30	33
5657-15345	00000/0000	1-10055/0009	02/04/77	0	3105	3726N	09737W	20.4	131.1		GGGG			30	34
5657-15352	00000/0000	1-10055/0010	02/04/77	0	3105	3600N	09804W	21.2	130.5		GGGG			30	35
5657-15354	00000/0000	1-10055/0011	02/04/77	10	3105	3434N	09830W	21.9	129.8		BFGG			30	36
5657-15361	00000/0000	1-10055/0012	02/04/77	10	3105	3308N	09856W	22.6	129.1		GGGG			30	37
5657-15363	00000/0000	1-10055/0013	02/04/77	10	3105	3142N	09921W	23.3	128.4		GGGG			30	38

KEYS: CLOUD COVER X 0 TO 100 = X CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5657-15370	00000/0000	1-10055/0014	02/04/77	10	3105	3016N	09945W	23.9	127.6	GGGG			30	39
5657-15372	00000/0000	1-10055/0015	02/04/77	0	3105	2850N	10009W	24.6	126.9	FGGG			30	40
5657-15375	00000/0000	1-10055/0016	02/04/77	10	3105	2724N	10033W	25.2	126.2	GGGG			30	41
5657-15381	00000/0000	1-10055/0017	02/04/77	10	3105	2558N	10056W	25.9	125.4	GGGG			30	42
5657-17145	00000/0000	1-10055/0170	02/04/77	70	3146	4852N	11907W	14.3	136.6	GFGG			48	26
5657-17151	00000/0000	1-10055/0171	02/04/77	90	3146	4727N	11944W	15.1	135.9	GFGG			48	27
5657-17154	00000/0000	1-10055/0172	02/04/77	70	3146	4601N	12019W	15.9	135.2	FFGG			48	28
5657-17160	00000/0000	1-10055/0173	02/04/77	20	3146	4436N	12053W	16.7	134.5	GFGG			48	29
5657-17163	00000/0000	1-10055/0174	02/04/77	10	3146	4311N	12126W	17.4	133.9	GGGG			48	30
5657-17165	00000/0000	1-10055/0175	02/04/77	0	3146	4145N	12157W	18.2	133.2	FGGG			48	31
5657-17172	00000/0000	1-10055/0176	02/04/77	10	3146	4020N	12227W	18.9	132.5	GFGG			48	32
5657-17174	00000/0000	1-10055/0177	02/04/77	20	3146	3855N	12256W	19.7	131.8	FGG			48	33
5657-17181	00000/0000	1-10055/0178	02/04/77	60	3146	3729N	12325W	20.4	131.2	FFGG			48	34
5657-17183	00000/0000	1-10055/0179	02/04/77	80	3146	3603N	12352W	21.1	130.5	GFFF			48	35
5658-15371	00000/0000	1-10055/0018	02/05/77	10	3119	4848N	09450W	14.6	136.4	GGG			31	26
5658-15374	00000/0000	1-10055/0019	02/05/77	10	3119	4723N	09526W	15.4	135.7	GGGG			31	27
5658-15380	00000/0000	1-10055/0020	02/05/77	10	3119	4558N	09601W	16.1	135.0	GGGG			31	28
5658-15383	00000/0000	1-10055/0021	02/05/77	10	3119	4433N	09634W	16.9	134.3	GGGG			31	29
5658-15385	00000/0000	1-10055/0022	02/05/77	40	3119	4308N	09706W	17.7	133.6	GGGG			31	30
5658-15392	00000/0000	1-10055/0023	02/05/77	10	3119	4143N	09737W	18.4	133.0	GGGG			31	31
5658-15394	00000/0000	1-10055/0024	02/05/77	10	3119	4017N	09807W	19.2	132.3	GGG			31	32
5658-15401	00000/0000	1-10055/0025	02/05/77	0	3119	3851N	09835W	19.9	131.6	GGGF			31	33
5658-15403	00000/0000	1-10055/0026	02/05/77	0	3119	3726N	09903W	20.6	130.9	GGGG			31	34
5658-15410	00000/0000	1-10055/0027	02/05/77	0	3119	3600N	09930W	21.4	130.2	GGGG			31	35
5658-15412	00000/0000	1-10055/0028	02/05/77	0	3119	3434N	09956W	22.1	129.5	GGGG			31	36
5658-15415	00000/0000	1-10055/0029	02/05/77	0	3119	3308N	10022W	22.8	128.8	GGGG			31	37
5658-15421	00000/0000	1-10055/0030	02/05/77	0	3119	3142N	10047W	23.4	128.1	GGGG			31	38
5658-15424	00000/0000	1-10055/0031	02/05/77	0	3119	3016N	10111W	24.1	127.4	GGGG			31	39
5658-15430	00000/0000	1-10055/0032	02/05/77	0	3119	2850N	10135W	24.8	126.6	GGGG			31	40
5658-15433	00000/0000	1-10055/0033	02/05/77	0	3119	2724N	10158W	25.4	125.9	GGGG			31	41
5659-15452	00000/0000	1-10055/0195	02/06/77	80	3133	4016N	09932W	19.4	132.1	GGGG			32	32
5659-15455	00000/0000	1-10055/0196	02/06/77	50	3133	3851N	10001W	20.1	131.4	GGGG			32	33
5659-15461	00000/0000	1-10055/0197	02/06/77	30	3133	3726N	10029W	20.9	130.7	GGGG			32	34
5659-15464	00000/0000	1-10055/0198	02/06/77	20	3133	3600N	10056W	21.6	130.0	GFGG			32	35
5659-15470	00000/0000	1-10055/0199	02/06/77	10	3133	3434N	10123W	22.3	129.3	GGGG			32	36
5659-15473	00000/0000	1-10055/0200	02/06/77	10	3133	3307N	10148W	23.0	128.6	GGGF			32	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5659-15475	00000/0000	1-10055/0201	02/06/77	0	3133	3141N	10213W	23.6	127.8						
5659-15482	00000/0000	1-10055/0202	02/06/77	0	3133	3016N	10238W	24.3	127.1	GGGG				32	38
5659-15484	00000/0000	1-10055/0203	02/06/77	10	3133	2850N	10302W	25.0	126.3	GGGG				32	39
5659-15491	00000/0000	1-10055/0204	02/06/77	0	3133	2725N	10325W	25.6	125.6	GGGG				32	40
5660-14072	00000/0000	1-10055/0205	02/07/77	20	3146	4142N	07437W	18.9	132.5	GGGG				15	41
5660-14074	00000/0000	1-10055/0206	02/07/77	10	3146	4018N	07506W	19.6	131.9	GGGG				15	31
5660-14081	00000/0000	1-10055/0207	02/07/77	0	3146	3853N	07535W	20.3	131.2	GGGG				15	32
5660-14083	00000/0000	1-10055/0208	02/07/77	10	3146	3726N	07603W	21.1	130.5	GGGG				15	33
5660-14090	00000/0000	1-10055/0209	02/07/77	10	3146	3600N	07631W	21.8	129.7	GGGG				15	34
5660-14092	00000/0000	1-10055/0210	02/07/77	10	3146	3433N	07658W	22.5	129.0	GGGG				15	35
5660-14095	00000/0000	1-10055/0211	02/07/77	10	3146	3307N	07724W	23.1	128.3	GGGF				15	36
5660-14101	00000/0000	1-10055/0212	02/07/77	10	3146	3141N	07749W	23.8	127.6	GGGG				15	37
5660-14104	00000/0000	1-10055/0213	02/07/77	50	3146	3015N	07814W	24.5	126.8	GGGG				15	38
5660-14110	00000/0000	1-10055/0214	02/07/77	40	3146	2850N	07838W	25.1	126.1	GGGG				15	39
5660-14113	00000/0000	1-10055/0215	02/07/77	20	3146	2724N	07902W	25.8	125.3	GGGG				15	40
5660-14115	00000/0000	1-10055/0216	02/07/77	30	3146	2559N	07926W	26.4	124.6	GFGG				15	41
5660-15483	00000/0000	1-10055/0034	02/07/77	60	3147	4848N	09742W	15.1	136.0	GGGG				33	42
5660-15490	00000/0000	1-10055/0035	02/07/77	40	3147	4723N	09818W	15.9	135.3	GGGG				33	26
5660-15492	00000/0000	1-10055/0036	02/07/77	10	3147	4558N	09853W	16.6	134.6	GGGG				33	27
5660-15495	00000/0000	1-10055/0037	02/07/77	0	3147	4433N	09925W	17.4	133.9	GGGG				33	28
5660-15501	00000/0000	1-10055/0038	02/07/77	0	3147	4308N	09957W	18.2	133.2	GGGG				33	29
5660-15504	00000/0000	1-10055/0039	02/07/77	0	3147	4142N	10027W	18.9	132.5	GGGG				33	30
5660-15510	00000/0000	1-10055/0040	02/07/77	20	3147	4017N	10056W	19.6	131.8	GGGG				33	31
5660-15513	00000/0000	1-10055/0041	02/07/77	30	3147	3851N	10125W	20.4	131.1	GGGG				33	32
5660-15515	00000/0000	1-10055/0042	02/07/77	10	3147	3726N	10152W	21.1	130.4	GGGG				33	33
5660-15522	00000/0000	1-10055/0043	02/07/77	30	3147	3600N	10219W	21.8	129.7	GGGG				33	34
5660-15524	00000/0000	1-10055/0044	02/07/77	40	3147	3435N	10245W	22.5	129.0	GGGG				33	35
5660-15531	00000/0000	1-10055/0045	02/07/77	80	3147	3309N	10311W	23.2	128.3	GGGG				33	36
5660-15533	00000/0000	1-10055/0046	02/07/77	70	3147	3143N	10336W	23.8	127.6	GGGG				33	37
5660-15540	00000/0000	1-10055/0047	02/07/77	90	3147	3016N	10401W	24.5	126.8	GGGG				33	38
5660-15542	00000/0000	1-10055/0048	02/07/77	40	3147	2849N	10425W	25.1	126.1	GGGG				33	39
5660-15545	00000/0000	1-10055/0049	02/07/77	10	3147	2723N	10449W	25.8	125.3	GGFG				33	40
5661-14123	00000/0000	1-10056/0001	02/08/77	10	3160	4308N	07536W	18.4	133.0	GGGG				16	41
5661-14130	00000/0000	1-10056/0002	02/08/77	10	3160	4142N	07607W	19.1	132.3	GGGG				16	30
5661-14132	00000/0000	1-10056/0003	02/08/77	10	3160	4016N	07636W	19.9	131.6	GGGG				16	31
5661-14135	00000/0000	1-10056/0004	02/08/77	0	3160	3851N	07705W	20.6	130.9	GGGG				16	32
														16	33

KEYS: CLOUD COVER % 0 TO 100 = X CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
										RBV	MSS				
5661-14141	00000/0000	1-10056/0005	02/08/77	0	3160	3725N	07733W	21.3	130.2		GGGG			16	34
5661-14144	00000/0000	1-10056/0006	02/08/77	0	3160	3600N	07800W	22.0	129.5		GGGG			16	35
5661-14150	00000/0000	1-10056/0007	02/08/77	0	3160	3434N	07826W	22.7	128.8		GGGG			16	36
5661-14153	00000/0000	1-10056/0008	02/08/77	10	3160	3308N	07852W	23.4	128.0		FGGG			16	37
5661-14155	00000/0000	1-10056/0009	02/08/77	30	3160	3142N	07917W	24.0	127.3		GGGG			16	38
5661-14162	00000/0000	1-10056/0010	02/08/77	60	3160	3016N	07942W	24.7	126.6		GGGG			16	39
5661-14164	00000/0000	1-10056/0011	02/08/77	80	3160	2850N	08006W	25.3	125.8		GGGG			16	40
5661-14171	00000/0000	1-10056/0012	02/08/77	80	3160	2724N	08029W	25.9	125.0		GGGG			16	41
5661-14173	00000/0000	1-10056/0013	02/08/77	90	3160	2558N	08052W	26.6	124.3		GGGG			16	42
5661-14180	00000/0000	1-10056/0014	02/08/77	90	3160	2432N	08113W	27.2	123.5		GGGG			16	43
5661-15541	00000/0000	1-10055/0181	02/08/77	30	3161	4849N	09906W	15.4	135.8		GGGG			34	26
5661-15543	00000/0000	1-10055/0182	02/08/77	10	3161	4724N	09942W	16.1	135.1		GGGG			34	27
5661-15550	00000/0000	1-10055/0183	02/08/77	10	3161	4559N	10017W	16.9	134.4		GGGG			34	28
5661-15552	00000/0000	1-10055/0184	02/08/77	0	3161	4433N	10051W	17.7	133.7		GGGG			34	29
5661-15555	00000/0000	1-10055/0185	02/08/77	0	3161	4308N	10123W	18.4	133.0		GGGG			34	30
5661-15561	00000/0000	1-10055/0186	02/08/77	0	3161	4143N	10154W	19.1	132.3		GGGG			34	31
5661-15564	00000/0000	1-10055/0187	02/08/77	0	3161	4017N	10224W	19.9	131.6		FGGG			34	32
5661-15570	00000/0000	1-10055/0188	02/08/77	0	3161	3851N	10252W	20.6	130.9		GGGG			34	33
5661-15573	00000/0000	1-10055/0189	02/08/77	0	3161	3725N	10320W	21.3	130.2		FGGG			34	34
5661-15575	00000/0000	1-10055/0190	02/08/77	0	3161	3559N	10348W	22.0	129.5		FGGG			34	35
5661-15582	00000/0000	1-10055/0191	02/08/77	30	3161	3433N	10414W	22.7	128.7		GGGG			34	36
5661-15584	00000/0000	1-10055/0180	02/08/77	40	3161	3307N	10440W	23.4	128.0		G GG			34	37
5661-15591	00000/0000	1-10055/0192	02/08/77	20	3161	3141N	10506W	24.0	127.3		GGGG			34	38
5661-15593	00000/0000	1-10055/0193	02/08/77	10	3161	3015N	10530W	24.7	126.6		FGGG			34	39
5661-16000	00000/0000	1-10055/0194	02/08/77	80	3161	2849N	10555W	25.3	125.8		GGGG			34	40
5662-14190	00000/0000	1-10055/0217	02/09/77	80	3174	4017N	07802W	20.1	131.4		GGG			17	32
5662-14193	00000/0000	1-10055/0218	02/09/77	30	3174	3851N	07831W	20.8	130.7		FGGG			17	33
5662-14195	00000/0000	1-10055/0219	02/09/77	10	3174	3725N	07859W	21.5	130.0		GGGG			17	34
5662-14202	00000/0000	1-10055/0220	02/09/77	0	3174	3600N	07925W	22.2	129.2		GGFG			17	35
5662-14204	00000/0000	1-10055/0221	02/09/77	0	3174	3435N	07951W	22.9	128.5		GGGG			17	36
5662-14211	00000/0000	1-10055/0222	02/09/77	10	3174	3309N	08016W	23.6	127.8		GGGG			17	37
5662-14213	00000/0000	1-10055/0223	02/09/77	60	3174	3143N	08041W	24.2	127.0		GGGG			17	38
5662-14220	00000/0000	1-10055/0224	02/09/77	80	3174	3016N	08106W	24.9	126.3		GGGG			17	39
5662-14222	00000/0000	1-10055/0225	02/09/77	60	3174	2849N	08131W	25.5	125.5		GGGG			17	40
5662-15595	00000/0000	1-10055/0064	02/09/77	10	3175	4846N	10033W	15.6	135.7		FFFF			35	26
5662-16001	00000/0000	1-10055/0065	02/09/77	0	3175	4722N	10110W	16.4	134.9		GGGG			35	27

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5662-16004	00000/0000	1-10055/0066	02/09/77	0	3175	4557N	10144W	17.2	134.2		GGGG			35	28
5662-16010	00000/0000	1-10055/0067	02/09/77	0	3175	4432N	10217W	17.9	133.5		GGGG			35	29
5662-16013	00000/0000	1-10055/0068	02/09/77	0	3175	4307N	10249W	18.7	132.8		GGGG			35	30
5662-16015	00000/0000	1-10055/0069	02/09/77	10	3175	4141N	10320W	19.4	132.1		GGGG			35	31
5662-16022	00000/0000	1-10055/0070	02/09/77	10	3175	4016N	10350W	20.1	131.4		GGGG			35	32
5662-16024	00000/0000	1-10055/0071	02/09/77	0	3175	3851N	10419W	20.8	130.7		GGGG			35	33
5662-16031	00000/0000	1-10055/0072	02/09/77	0	3175	3726N	10447W	21.5	129.9		GGGG			35	34
5662-16033	00000/0000	1-10055/0073	02/09/77	0	3175	3600N	10515W	22.2	129.2		GGGG			35	35
5662-16040	00000/0000	1-10055/0074	02/09/77	0	3175	3434N	10541W	22.9	128.5		GGGG			35	36
5662-16042	00000/0000	1-10055/0075	02/09/77	0	3175	3308N	10605W	23.6	127.8		GGGG			35	37
5662-16045	00000/0000	1-10055/0076	02/09/77	10	3175	3142N	10630W	24.3	127.0		GGGG			35	38
5662-16051	00000/0000	1-10055/0077	02/09/77	10	3175	3016N	10654W	24.9	126.3		GGGG			35	39
5663-14260	00000/0000	1-10055/0099	02/10/77	0	3188	3558N	08051W	22.5	129.0		GGGG			18	35
5663-14262	00000/0000	1-10055/0100	02/10/77	0	3188	3432N	08118W	23.1	128.3		GGGG			18	36
5663-14265	00000/0000	1-10055/0101	02/10/77	0	3188	3307N	08143W	23.8	127.5		GGGG			18	37
5663-14271	00000/0000	1-10055/0102	02/10/77	0	3188	3141N	08207W	24.5	126.8		FGGG			18	38
5663-14274	00000/0000	1-10055/0103	02/10/77	0	3188	3016N	08231W	25.1	126.0		GGGG			18	39
5663-14280	00000/0000	1-10055/0104	02/10/77	10	3188	2851N	08255W	25.7	125.2		GGGG			18	40
5663-16053	00000/0000	1-10055/0090	02/10/77	10	3189	4848N	10157W	15.9	135.5		GGGG			36	26
5663-16055	00000/0000	1-10055/0091	02/10/77	10	3189	4723N	10234W	16.6	134.8		GGGG			36	27
5663-16062	00000/0000	1-10055/0092	02/10/77	10	3189	4559N	10308W	17.4	134.0		GGGG			36	28
5663-16064	00000/0000	1-10055/0093	02/10/77	0	3189	4434N	10342W	18.2	133.3		GGGG			36	29
5663-16071	00000/0000	1-10055/0094	02/10/77	0	3189	4310N	10414W	18.9	132.6		GGGG			36	30
5663-16073	00000/0000	1-10055/0095	02/10/77	0	3189	4144N	10444W	19.6	131.9		GGGG			36	31
5663-16080	00000/0000	1-10055/0096	02/10/77	0	3189	4019N	10515W	20.3	131.2		GGGG			36	32
5663-16082	00000/0000	1-10055/0097	02/10/77	0	3189	3853N	10544W	21.1	130.4		GGGG			36	33
5663-16085	00000/0000	1-10055/0098	02/10/77	30	3189	3728N	10612W	21.8	129.7		GGGG			36	34
5664-14295	00000/0000	1-10055/0105	02/11/77	20	3202	4144N	08024W	19.9	131.7		GGGF			19	31
5664-14302	00000/0000	1-10055/0106	02/11/77	10	3202	4019N	08053W	20.6	131.0		GGGG			19	32
5664-14304	00000/0000	1-10055/0107	02/11/77	0	3202	3854N	08121W	21.3	130.2		FGGG			19	33
5664-14311	00000/0000	1-10055/0108	02/11/77	10	3202	3729N	08148W	22.0	129.5		GGGG			19	34
5664-14313	00000/0000	1-10055/0109	02/11/77	10	3202	3603N	08215W	22.7	128.8		GGG			19	35
5664-14320	00000/0000	1-10055/0110	02/11/77	50	3202	3437N	08242W	23.3	128.0		GGGG			19	36
5664-14322	00000/0000	1-10055/0111	02/11/77	20	3202	3311N	08308W	24.0	127.3		GGGG			19	37
5664-14325	00000/0000	1-10055/0112	02/11/77	10	3202	3144N	08334W	24.7	126.5		GGGG			19	38
5664-14331	00000/0000	1-10055/0113	02/11/77	0	3202	3018N	08359W	25.3	125.7		GFG			19	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG							
5664-16120	00000/0000	1-10055/0078	02/11/77	20	3203	4559N	10438W	17.7	133.8	GGGG			37	28
5664-16122	00000/0000	1-10055/0079	02/11/77	50	3203	4435N	10511W	18.4	133.1	GGGG			37	29
5664-16125	00000/0000	1-10055/0080	02/11/77	40	3203	4310N	10543W	19.2	132.4	GGGG			37	30
5664-16131	00000/0000	1-10055/0081	02/11/77	40	3203	4145N	10613W	19.9	131.7	GGGG			37	31
5664-16134	00000/0000	1-10055/0082	02/11/77	70	3203	4019N	10643W	20.6	130.9	GGGG			37	32
5664-16140	00000/0000	1-10055/0083	02/11/77	40	3203	3853N	10712W	21.3	130.2	GGGG			37	33
5664-16143	00000/0000	1-10055/0084	02/11/77	40	3203	3727N	10740W	22.0	129.5	GGGG			37	34
5664-16145	00000/0000	1-10055/0085	02/11/77	30	3203	3601N	10807W	22.7	128.7	GGGG			37	35
5664-16152	00000/0000	1-10055/0086	02/11/77	20	3203	3435N	10833W	23.4	128.0	GGGG			37	36
5664-16154	00000/0000	1-10055/0087	02/11/77	10	3203	3309N	10858W	24.0	127.2	GGGG			37	37
5664-16161	00000/0000	1-10055/0088	02/11/77	0	3203	3143N	10923W	24.7	126.5	GGGF			37	38
5664-16163	00000/0000	1-10055/0089	02/11/77	0	3203	3017N	10948W	25.3	125.7	GGFF			37	39
5665-16164	00000/0000	1-10055/0050	02/12/77	10	3217	4850N	10454W	16.5	135.1	GGGG			38	26
5665-16171	00000/0000	1-10055/0051	02/12/77	90	3217	4725N	10531W	17.2	134.4	GGGG			38	27
5665-16173	00000/0000	1-10055/0052	02/12/77	90	3217	4600N	10605W	18.0	133.6	GGGG			38	28
5665-16180	00000/0000	1-10055/0053	02/12/77	80	3217	4435N	10638W	18.7	132.9	GGGG			38	29
5665-16182	00000/0000	1-10055/0054	02/12/77	40	3217	4309N	10710W	19.4	132.2	GGGG			38	30
5665-16185	00000/0000	1-10055/0055	02/12/77	80	3217	4143N	10740W	20.2	131.4	GGGG			38	31
5665-16191	00000/0000	1-10055/0056	02/12/77	50	3217	4017N	10810W	20.9	130.7	GGGG			38	32
5665-16194	00000/0000	1-10055/0057	02/12/77	10	3217	3851N	10839W	21.6	130.0	GGGG			38	33
5665-16200	00000/0000	1-10055/0058	02/12/77	10	3217	3726N	10907W	22.3	129.2	GGGG			38	34
5665-16203	00000/0000	1-10055/0059	02/12/77	0	3217	3600N	10934W	22.9	128.5	GQGG			38	35
5665-16205	00000/0000	1-10055/0060	02/12/77	0	3217	3435N	10959W	23.6	127.7	GFGG			38	36
5665-16212	00000/0000	1-10055/0061	02/12/77	0	3217	3310N	11025W	24.3	127.0	GGGG			38	37
5665-16214	00000/0000	1-10055/0062	02/12/77	0	3217	3144N	11049W	24.9	126.2	GGGG			38	38
5665-16221	00000/0000	1-10055/0063	02/12/77	0	3217	3018N	11114W	25.5	125.4	GFGG			38	39
5666-16252	00000/0000	1-10055/0119	02/13/77	10	3231	3850N	11005W	21.8	129.7	GGGG			39	33
5666-16254	00000/0000	1-10055/0120	02/13/77	0	3231	3725N	11032W	22.5	129.0	GGGG			39	34
5666-16261	00000/0000	1-10055/0121	02/13/77	0	3231	3600N	11059W	23.2	128.2	FFGF			39	35
5666-16263	00000/0000	1-10055/0122	02/13/77	0	3231	3434N	11125W	23.8	127.5	FGGG			39	36
5666-16270	00000/0000	1-10055/0123	02/13/77	0	3231	3309N	11151W	24.5	126.7	FFGG			39	37
5666-16272	00000/0000	1-10055/0124	02/13/77	0	3231	3143N	11216W	25.1	125.9	FGGG			39	38
5666-16275	00000/0000	1-10055/0125	02/13/77	0	3231	3017N	11240W	25.8	125.1	FFFQ			39	39
5667-14483	00000/0000	1-10055/0114	02/14/77	60	3244	3601N	08636W	23.4	128.0	GGG			22	35
5667-14490	00000/0000	1-10055/0115	02/14/77	10	3244	3435N	08702W	24.1	127.2	FGGG			22	36
5667-14492	00000/0000	1-10055/0116	02/14/77	0	3244	3309N	08727W	24.7	126.5	FGGG			22	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5667-14495	00000/0000	1-10055/0117	02/14/77	0	3244	3143N	08753W	25.3	125.7		GGG			22	38
5667-14501	00000/0000	1-10055/0118	02/14/77	0	3244	3018N	08817W	26.0	124.9		GGG			22	39
5667-16310	00000/0000	1-10055/0165	02/14/77	10	3245	3851N	11130W	22.1	129.5		GGGG			40	33
5667-16312	00000/0000	1-10055/0166	02/14/77	10	3245	3726N	11158W	22.8	128.7		GGFG			40	34
5667-16315	00000/0000	1-10055/0167	02/14/77	0	3245	3600N	11224W	23.4	128.0		GGGG			40	35
5667-16321	00000/0000	1-10055/0168	02/14/77	0	3245	3435N	11250W	24.1	127.2		GGGG			40	36
5667-16324	00000/0000	1-10055/0169	02/14/77	0	3245	3309N	11316W	24.7	126.4		GGGG			40	37
5667-16330	00000/0000	1-10055/0164	02/14/77	10	3245	3143N	11341W	25.4	125.6		G GG			40	38
5669-14560	00000/0000	1-10056/0015	02/16/77	0	3272	4848N	08450W	17.6	134.4		GGGG			24	26
5669-14563	00000/0000	1-10056/0016	02/16/77	10	3272	4724N	08526W	18.4	133.6		GGGG			24	27
5669-14565	00000/0000	1-10056/0017	02/16/77	10	3272	4600N	08600W	19.1	132.8		GGGG			24	28
5669-14572	00000/0000	1-10056/0018	02/16/77	10	3272	4434N	08633W	19.8	132.1		GGGG			24	29
5669-14574	00000/0000	1-10056/0019	02/16/77	10	3272	4309N	08705W	20.5	131.3		GGGG			24	30
5669-14581	00000/0000	1-10056/0020	02/16/77	10	3272	4143N	08735W	21.2	130.6		GGGG			24	31
5669-14583	00000/0000	1-10056/0021	02/16/77	10	3272	4018N	08805W	21.9	129.8		GGGG			24	32
5669-14590	00000/0000	1-10056/0022	02/16/77	0	3272	3852N	08832W	22.6	129.0		FGGG			24	33
5669-14592	00000/0000	1-10056/0023	02/16/77	0	3272	3728N	08859W	23.3	128.3		GGGG			24	34
5669-14595	00000/0000	1-10056/0024	02/16/77	10	3272	3602N	08926W	23.9	127.5		GFGG			24	35
5669-15001	00000/0000	1-10056/0025	02/16/77	0	3272	3435N	08954W	24.6	126.7		GFGG			24	36
5669-15004	00000/0000	1-10056/0026	02/16/77	0	3272	3309N	09020W	25.2	125.9		GGGG			24	37
5669-16410	00000/0000	1-10055/0276	02/16/77	40	3273	4308N	11254W	20.6	131.3		GGGG			42	30
5669-16413	00000/0000	1-10055/0277	02/16/77	10	3273	4143N	11325W	21.3	130.5		GGGG			42	31
5669-16415	00000/0000	1-10055/0278	02/16/77	10	3273	4018N	11355W	21.9	129.8		GGFG			42	32
5669-16422	00000/0000	1-10055/0279	02/16/77	0	3273	3853N	11424W	22.6	129.0		GGGF			42	33
5669-16424	00000/0000	1-10055/0280	02/16/77	0	3273	3727N	11452W	23.3	128.2		GFGG			42	34
5669-16431	00000/0000	1-10055/0281	02/16/77	0	3273	3601N	11519W	24.0	127.5		GFFG			42	35
5669-16433	00000/0000	1-10055/0282	02/16/77	0	3273	3435N	11546W	24.6	126.7		GGFG			42	36
5669-16440	00000/0000	1-10055/0283	02/16/77	0	3273	3309N	11612W	25.2	125.9		GGGG			42	37
5669-16442	00000/0000	1-10055/0284	02/16/77	10	3273	3144N	11637W	25.8	125.1		GGGG			42	38
5670-15035	00000/0000	1-10055/0246	02/17/77	60	3286	4144N	08902W	21.5	130.3		GGFG			25	31
5670-15041	00000/0000	1-10055/0247	02/17/77	30	3286	4018N	08931W	22.2	129.6		GGGG			25	32
5670-15044	00000/0000	1-10055/0248	02/17/77	50	3286	3853N	09000W	22.9	128.8		GGGG			25	33
5670-15050	00000/0000	1-10055/0249	02/17/77	70	3286	3727N	09028W	23.5	128.0		GGGG			25	34
5670-15053	00000/0000	1-10055/0250	02/17/77	40	3286	3601N	09054W	24.2	127.2		GGGG			25	35
5670-15055	00000/0000	1-10055/0251	02/17/77	30	3286	3435N	09120W	24.8	126.4		GGGG			25	36
5670-15062	00000/0000	1-10055/0252	02/17/77	10	3286	3309N	09145W	25.4	125.6		GGGG			25	37

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5670-15064	00000/0000	1-10055/0253	02/17/77	10	3286	3144N	09210W	26.1	124.8		GGGG			25	38
5670-16473	00000/0000	1-10055/0227	02/17/77	50	3287	4018N	11521W	22.2	129.5		GGGG			43	32
5670-16475	00000/0000	1-10055/0228	02/17/77	40	3287	3853N	11550W	22.9	128.8		GGGG			43	33
5670-16482	00000/0000	1-10055/0229	02/17/77	60	3287	3727N	11619W	23.6	128.0		GGGG			43	34
5670-16484	00000/0000	1-10055/0230	02/17/77	40	3287	3602N	11646W	24.2	127.2		GGGG			43	35
5670-16491	00000/0000	1-10055/0231	02/17/77	10	3287	3436N	11712W	24.8	126.4		GGGG			43	36
5670-16493	00000/0000	1-10055/0232	02/17/77	40	3287	3310N	11737W	25.5	125.6		GGGG			43	37
5670-16500	00000/0000	1-10055/0233	02/17/77	90	3287	3143N	11801W	26.1	124.8		GGGG			43	38
5670-20052	00000/0000	1-10055/0226	02/17/77	50	3289	6930N	14746W	6.1	150.5		GGGG	H		79	11
5671-15090	00000/0000	1-10055/0254	02/18/77	30	3300	4310N	08958W	21.1	130.9		GGGG			26	30
5671-15093	00000/0000	1-10055/0255	02/18/77	60	3300	4144N	09029W	21.8	130.1		GGGG			26	31
5671-15095	00000/0000	1-10055/0256	02/18/77	50	3300	4018N	09058W	22.5	129.3		GGGG			26	32
5671-15102	00000/0000	1-10055/0257	02/18/77	0	3300	3852N	09127W	23.1	128.5		GGGG			26	33
5671-15104	00000/0000	1-10055/0258	02/18/77	0	3300	3726N	09154W	23.8	127.8		GGGG			26	34
5671-15111	00000/0000	1-10055/0259	02/18/77	0	3300	3601N	09220W	24.4	127.0		GGGG			26	35
5671-15113	00000/0000	1-10055/0260	02/18/77	20	3300	3436N	09246W	25.1	126.2		GGGG			26	36
5671-15120	00000/0000	1-10055/0261	02/18/77	50	3300	3310N	09312W	25.7	125.4		GGGG			26	37
5671-15122	00000/0000	1-10055/0262	02/18/77	60	3300	3144N	09337W	26.3	124.5		GGGG			26	38
5671-15125	00000/0000	1-10055/0263	02/18/77	70	3300	3017N	09402W	26.9	123.7		GGGG			26	39
5671-15131	00000/0000	1-10055/0264	02/18/77	30	3300	2852N	09426W	27.5	122.9		GGGG			26	40
5671-15134	00000/0000	1-10055/0265	02/18/77	60	3300	2726N	09450W	28.0	122.0		GGGG			26	41
5671-16504	00000/0000	1-10055/0234	02/18/77	10	3301	4848N	11327W	18.3	134.0		GGGG			44	26
5671-16510	00000/0000	1-10055/0235	02/18/77	20	3301	4723N	11404W	19.0	133.2		GGGG			44	27
5671-16513	00000/0000	1-10055/0236	02/18/77	70	3301	4557N	11438W	19.7	132.4		GGGG			44	28
5671-16515	00000/0000	1-10055/0237	02/18/77	50	3301	4433N	11512W	20.4	131.6		GGGG			44	29
5671-16522	00000/0000	1-10055/0238	02/18/77	40	3301	4308N	11544W	21.1	130.9		GFGG			44	30
5671-16524	00000/0000	1-10055/0239	02/18/77	0	3301	4142N	11615W	21.8	130.1		GGGG			44	31
5671-16531	00000/0000	1-10055/0240	02/18/77	10	3301	4017N	11645W	22.5	129.3		GGGG			44	32
5671-16533	00000/0000	1-10055/0241	02/18/77	20	3301	3852N	11714W	23.2	128.5		GGGG			44	33
5671-16540	00000/0000	1-10055/0242	02/18/77	10	3301	3727N	11742W	23.8	127.7		GFGG			44	34
5671-16542	00000/0000	1-10055/0243	02/18/77	0	3301	3601N	11810W	24.5	126.9		GGGG			44	35
5671-16545	00000/0000	1-10055/0244	02/18/77	20	3301	3435N	11836W	25.1	126.1		GGGG			44	36
5671-16551	00000/0000	1-10055/0245	02/18/77	90	3301	3309N	11901W	25.7	125.3		GGGG			44	37
5672-15165	00000/0000	1-10055/0285	02/19/77	20	3314	3600N	09347W	24.7	126.7		GGGG			27	35
5672-15171	00000/0000	1-10055/0286	02/19/77	30	3314	3435N	09413W	25.3	125.9		GGGG			27	36
5672-15174	00000/0000	1-10055/0287	02/19/77	20	3314	3309N	09438W	26.0	125.1		GGGG			27	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5672-15180	00000/0000	1-10055/0288	02/19/77	30	3314	3144N	09503W	26.6	124.3		GGFG			27	38
5672-15183	00000/0000	1-10055/0289	02/19/77	60	3314	3018N	09528W	27.1	123.4		GFGG			27	39
5672-16571	00000/0000	1-10055/0304	02/19/77	0	3315	4558N	11602W	20.0	132.2		GGGF			45	28
5672-16573	00000/0000	1-10055/0305	02/19/77	0	3315	4433N	11636W	20.7	131.4		GGFG			45	29
5672-16580	00000/0000	1-10055/0306	02/19/77	10	3315	4308N	11709W	21.4	130.6		GGGG			45	30
5672-16582	00000/0000	1-10055/0307	02/19/77	0	3315	4142N	11741W	22.1	129.9		GGGG			45	31
5672-16585	00000/0000	1-10055/0308	02/19/77	0	3315	4016N	11811W	22.8	129.1		GGGG			45	32
5672-16591	00000/0000	1-10055/0309	02/19/77	10	3315	3851N	11839W	23.5	128.3		GG G			45	33
5672-16594	00000/0000	1-10055/0310	02/19/77	20	3315	3726N	11907W	24.1	127.5		GGGG			45	34
5672-17000	00000/0000	1-10055/0311	02/19/77	30	3315	3600N	11935W	24.7	126.7		GGGG			45	35
5672-17003	00000/0000	1-10055/0312	02/19/77	50	3315	3434N	12001W	25.4	125.9		GGGG			45	36
5673-15214	00000/0000	1-10055/0266	02/20/77	10	3328	3854N	09419W	23.7	128.1		GGGG			28	33
5673-15220	00000/0000	1-10055/0267	02/20/77	10	3328	3728N	09448W	24.4	127.3		GGGG			28	34
5673-15223	00000/0000	1-10055/0268	02/20/77	10	3328	3602N	09514W	25.0	126.4		GGGG			28	35
5673-15225	00000/0000	1-10055/0269	02/20/77	0	3328	3436N	09540W	25.6	125.6		GGGG			28	36
5673-15232	00000/0000	1-10055/0270	02/20/77	0	3328	3309N	09605W	26.2	124.8		GGGG			28	37
5673-15234	00000/0000	1-10055/0271	02/20/77	0	3328	3144N	09630W	26.8	124.0		GGGG			28	38
5673-15241	00000/0000	1-10055/0272	02/20/77	0	3328	3018N	09654W	27.4	123.1		GGGG			28	39
5673-15243	00000/0000	1-10055/0273	02/20/77	0	3328	2851N	09718W	27.9	122.3		GGGG			28	40
5673-15250	00000/0000	1-10055/0274	02/20/77	10	3328	2725N	09742W	28.5	121.4		GGGG			28	41
5673-15252	00000/0000	1-10055/0275	02/20/77	30	3328	2559N	09805W	29.0	120.5		GGGG			28	42
5674-15253	00000/0000	1-10055/0290	02/21/77	60	3342	4433N	09341W	21.3	131.0		GFGG			29	29
5674-15260	00000/0000	1-10055/0291	02/21/77	30	3342	4308N	09413W	22.0	130.2		FGGG			29	30
5674-15262	00000/0000	1-10055/0292	02/21/77	10	3342	4143N	09444W	22.7	129.4		GGGG			29	31
5674-15265	00000/0000	1-10055/0293	02/21/77	0	3342	4018N	09514W	23.3	128.6		GGGG			29	32
5674-15271	00000/0000	1-10055/0294	02/21/77	0	3342	3852N	09543W	24.0	127.8		GGGG			29	33
5674-15274	00000/0000	1-10055/0295	02/21/77	10	3342	3726N	09611W	24.6	127.0		GGG			29	34
5674-15280	00000/0000	1-10055/0296	02/21/77	0	3342	3601N	09639W	25.3	126.2		GGGG			29	35
5674-15283	00000/0000	1-10055/0297	02/21/77	0	3342	3435N	09705W	25.9	125.4		GGGG			29	36
5674-15285	00000/0000	1-10055/0298	02/21/77	0	3342	3309N	09731W	26.5	124.5		GGGG			29	37
5674-15292	00000/0000	1-10055/0299	02/21/77	10	3342	3143N	09756W	27.1	123.7		GGGG			29	38
5674-15294	00000/0000	1-10055/0300	02/21/77	40	3342	3017N	09820W	27.6	122.8		GGGG			29	39
5674-15301	00000/0000	1-10055/0301	02/21/77	60	3342	2851N	09844W	28.2	122.0		GGGF			29	40
5674-15303	00000/0000	1-10055/0302	02/21/77	70	3342	2726N	09908W	28.7	121.1		GGGG			29	41
5674-15310	00000/0000	1-10055/0303	02/21/77	90	3342	2601N	09931W	29.2	120.2		GGGG			29	42
5675-13473	00000/0000	1-10056/0027	02/22/77	10	3355	4601N	06846W	20.9	131.7		GGGG			12	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0063

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5675-13480	00000/0000	1-10056/0028	02/22/77	10	3355	4435N	06919W	21.6	130.9		GGGG			12	29
5675-13482	00000/0000	1-10056/0029	02/22/77	20	3355	4310N	06951W	22.3	130.0		FGFG			12	30
5675-13485	00000/0000	1-10056/0030	02/22/77	10	3355	4144N	07021W	22.9	129.2		FGFG			12	31
5675-15305	00000/0000	1-10056/0031	02/22/77	20	3356	4559N	09433W	20.9	131.6		FGFG			30	28
5675-15311	00000/0000	1-10056/0032	02/22/77	20	3356	4433N	09506W	21.6	130.8		GGGG			30	29
5675-15314	00000/0000	1-10056/0033	02/22/77	70	3356	4308N	09538W	22.3	130.0		GGGG			30	30
5675-15320	00000/0000	1-10056/0034	02/22/77	50	3356	4143N	09609W	23.0	129.2		GGGG			30	31
5675-15323	00000/0000	1-10056/0035	02/22/77	90	3356	4018N	09639W	23.6	128.4		GGGG			30	32
5675-15325	00000/0000	1-10056/0036	02/22/77	90	3356	3852N	09708W	24.3	127.6		GGGG			30	33
5675-15332	00000/0000	1-10056/0037	02/22/77	90	3356	3726N	09736W	24.9	126.7		GGGG			30	34
5675-15334	00000/0000	1-10056/0038	02/22/77	80	3356	3600N	09803W	25.5	125.9		GGGG			30	35
5675-15341	00000/0000	1-10056/0039	02/22/77	30	3356	3435N	09829W	26.1	125.1		GGGG			30	36
5675-15343	00000/0000	1-10056/0040	02/22/77	30	3356	3309N	09855W	26.7	124.2		GGFG			30	37
5676-15401	00000/0000	1-10056/0041	02/23/77	0	3370	3309N	10023W	27.0	124.0		FGGG			31	37
5676-15404	00000/0000	1-10056/0042	02/23/77	10	3370	3143N	10048W	27.6	123.1		FGGG			31	38
5676-15410	00000/0000	1-10056/0043	02/23/77	10	3370	3017N	10113W	28.1	122.2		FGGG			31	39
5676-15413	00000/0000	1-10056/0044	02/23/77	0	3370	2852N	10137W	28.7	121.4		FGGG			31	40
5676-15415	00000/0000	1-10056/0045	02/23/77	0	3370	2727N	10200W	29.2	120.5		FGGG			31	41
5677-15441	00000/0000	1-10056/0075	02/24/77	0	3384	3853N	10000W	24.9	127.1		GGGG			32	33
5677-15444	00000/0000	1-10056/0076	02/24/77	10	3384	3727N	10028W	25.5	126.2		GGG			32	34
5677-15450	00000/0000	1-10056/0077	02/24/77	0	3384	3601N	10056W	26.1	125.4		GGGG			32	35
5677-15453	00000/0000	1-10056/0078	02/24/77	0	3384	3436N	10122W	26.7	124.5		GGGG			32	36
5677-15455	00000/0000	1-10056/0074	02/24/77	0	3384	3310N	10148W	27.3	123.7		G GG			32	37
5677-15462	00000/0000	1-10056/0079	02/24/77	0	3384	3144N	10213W	27.8	122.8		GGGG			32	38
5677-15464	00000/0000	1-10056/0080	02/24/77	10	3384	3018N	10237W	28.4	121.9		GGGG			32	39
5677-15471	00000/0000	1-10056/0081	02/24/77	0	3384	2852N	10301W	28.9	121.0		GGG			32	40
5677-15473	00000/0000	1-10056/0082	02/24/77	0	3384	2727N	10324W	29.4	120.1		GGGG			32	41
5678-14070	00000/0000	1-10056/0046	02/25/77	0	3397	3726N	07607W	25.8	126.0		GGGG			15	34
5678-14072	00000/0000	1-10056/0047	02/25/77	0	3397	3600N	07634W	26.4	125.2		GGGG			15	35
5678-14075	00000/0000	1-10056/0048	02/25/77	0	3397	3435N	07700W	27.0	124.3		GGGG			15	36
5678-14081	00000/0000	1-10056/0049	02/25/77	0	3397	3310N	07725W	27.5	123.4		GGGG			15	37
5678-14084	00000/0000	1-10056/0050	02/25/77	0	3397	3144N	07751W	28.1	122.5		FGGG			15	38
5678-14090	00000/0000	1-10056/0051	02/25/77	0	3397	3018N	07815W	28.6	121.7		GGGG			15	39
5678-14093	00000/0000	1-10056/0052	02/25/77	0	3397	2852N	07839W	29.2	120.8		GGGF			15	40
5678-14095	00000/0000	1-10056/0053	02/25/77	0	3397	2726N	07903W	29.7	119.9		GGGG			15	41
5678-14102	00000/0000	1-10056/0054	02/25/77	10	3397	2600N	07926W	30.1	118.9		FGGG			15	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5678-15493	00000/0000	1-10056/0066	02/25/77	40	3398	4017N 10056W	24.5	127.7		FGGF		33	32
5678-15495	00000/0000	1-10056/0067	02/25/77	90	3398	3852N 10125W	25.2	126.8		FGGG		33	33
5678-15502	00000/0000	1-10056/0068	02/25/77	90	3398	3727N 10152W	25.8	126.0		FGGG		33	34
5678-15504	00000/0000	1-10056/0069	02/25/77	90	3398	3601N 10220W	26.4	125.1		GGGG		33	35
5678-15511	00000/0000	1-10056/0070	02/25/77	90	3398	3435N 10247W	27.0	124.3		GGGG		33	36
5678-15513	00000/0000	1-10056/0071	02/25/77	50	3398	3308N 10313W	27.6	123.4		GGGG		33	37
5678-15520	00000/0000	1-10056/0072	02/25/77	40	3398	3142N 10338W	28.1	122.5		PQQQ		33	38
5678-15522	00000/0000	1-10056/0073	02/25/77	60	3398	3017N 10403W	28.7	121.6		FGGG		33	39
5679-14112	00000/0000	1-10056/0055	02/26/77	10	3411	4142N 07606W	24.2	128.3		GGGG		16	31
5679-14115	00000/0000	1-10056/0056	02/26/77	0	3411	4014N 07636W	24.8	127.5		GGGG		16	32
5679-14121	00000/0000	1-10056/0057	02/26/77	10	3411	3851N 07704W	25.5	126.6		GGGG		16	33
5679-14124	00000/0000	1-10056/0058	02/26/77	30	3411	3726N 07732W	26.1	125.7		GGGG		16	34
5679-14130	00000/0000	1-10056/0059	02/26/77	30	3411	3601N 07759W	26.7	124.9		GGGG		16	35
5679-14133	00000/0000	1-10056/0060	02/26/77	0	3411	3435N 07826W	27.2	124.0		GGGG		16	36
5679-14135	00000/0000	1-10056/0061	02/26/77	0	3411	3309N 07852W	27.8	123.1		GGFF		16	37
5679-14142	00000/0000	1-10056/0062	02/26/77	0	3411	3143N 07917W	28.4	122.2		GGGF		16	38
5679-14144	00000/0000	1-10056/0063	02/26/77	10	3411	3017N 07941W	28.9	121.3		GFGG		16	39
5679-14151	00000/0000	1-10056/0064	02/26/77	10	3411	2851N 08005W	29.4	120.4		GGGG		16	40
5679-14153	00000/0000	1-10056/0065	02/26/77	10	3411	2725N 08029W	29.9	119.5		GGGG		16	41
5679-15523	00000/0000	1-10056/0098	02/26/77	40	3412	4847N 09906W	20.8	132.6		GGG		34	26
5679-15530	00000/0000	1-10056/0099	02/26/77	90	3412	4723N 09942W	21.5	131.7		GGGG		34	27
5679-15532	00000/0000	1-10056/0100	02/26/77	50	3412	4557N 10017W	22.2	130.8		GGGG		34	28
5679-15535	00000/0000	1-10056/0101	02/26/77	10	3412	4432N 10050W	22.9	130.0		GGGG		34	29
5679-15541	00000/0000	1-10056/0102	02/26/77	0	3412	4307N 10123W	23.6	129.1		GGGG		34	30
5679-15544	00000/0000	1-10056/0103	02/26/77	0	3412	4142N 10153W	24.2	128.3		GGGG		34	31
5679-15550	00000/0000	1-10056/0104	02/26/77	0	3412	4017N 10223W	24.9	127.4		GGGG		34	32
5679-15553	00000/0000	1-10056/0105	02/26/77	10	3412	3851N 10252W	25.5	126.6		GGG		34	33
5679-15555	00000/0000	1-10056/0106	02/26/77	10	3412	3726N 10320W	26.1	125.7		GGGG		34	34
5679-15562	00000/0000	1-10056/0107	02/26/77	10	3412	3600N 10347W	26.7	124.9		GGGG		34	35
5679-15564	00000/0000	1-10056/0108	02/26/77	10	3412	3435N 10413W	27.3	124.0		GGGG		34	36
5680-14150	00000/0000	1-10056/0083	02/27/77	100	3425	4848N 07445W	21.1	132.4		GGGG		17	26
5680-14152	00000/0000	1-10056/0084	02/27/77	100	3425	4723N 07521W	21.8	131.5		GGGG		17	27
5680-14155	00000/0000	1-10056/0085	02/27/77	100	3425	4558N 07556W	22.5	130.7		GGG		17	28
5680-14161	00000/0000	1-10056/0086	02/27/77	90	3425	4433N 07629W	23.2	129.8		GGGG		17	29
5680-14164	00000/0000	1-10056/0087	02/27/77	90	3425	4308N 07701W	23.9	128.9		GGGG		17	30
5680-14170	00000/0000	1-10056/0088	02/27/77	70	3425	4142N 07732W	24.5	128.1		GGGG		17	31

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5680-14173	00000/0000	1-10056/0089	02/27/77	90	3425	4017N	07801W	25.1	127.2		GGGG			17	32
5680-14175	00000/0000	1-10056/0090	02/27/77	60	3425	3852N	07830W	25.8	126.4		GGGG			17	33
5680-14182	00000/0000	1-10056/0091	02/27/77	70	3425	3726N	07858W	26.4	125.5		GGGG			17	34
5680-14184	00000/0000	1-10056/0092	02/27/77	50	3425	3600N	07925W	27.0	124.6		GGGG			17	35
5680-14191	00000/0000	1-10056/0093	02/27/77	40	3425	3434N	07952W	27.5	123.7		GGGG			17	36
5680-14193	00000/0000	1-10056/0094	02/27/77	60	3425	3308N	08017W	28.1	122.8		GGGG			17	37
5680-14200	00000/0000	1-10056/0095	02/27/77	70	3425	3143N	08043W	28.6	121.9		GFPG			17	38
5680-14202	00000/0000	1-10056/0096	02/27/77	70	3425	3017N	08107W	29.2	121.0		GGPG			17	39
5680-14205	00000/0000	1-10056/0097	02/27/77	90	3425	2851N	08132W	29.7	120.1		GGGG			17	40
5680-15581	00000/0000	1-10056/0109	02/27/77	90	3426	4847N	10033W	21.2	132.4		GGGG			35	26
5680-15584	00000/0000	1-10056/0110	02/27/77	90	3426	4722N	10109W	21.9	131.5		GFGG			35	27
5680-15590	00000/0000	1-10056/0111	02/27/77	50	3426	4557N	10144W	22.6	130.6		GGGG			35	28
5680-15593	00000/0000	1-10056/0112	02/27/77	10	3426	4432N	10217W	23.2	129.8		GFGG			35	29
5680-15595	00000/0000	1-10056/0113	02/27/77	10	3426	4307N	10249W	23.9	128.9		GGGG			35	30
5680-16002	00000/0000	1-10056/0114	02/27/77	10	3426	4142N	10320W	24.5	128.1		GGGG			35	31
5680-16004	00000/0000	1-10056/0115	02/27/77	10	3426	4016N	10350W	25.2	127.2		GGGG			35	32
5680-16011	00000/0000	1-10056/0116	02/27/77	10	3426	3851N	10419W	25.8	126.3		GGGG			35	33
5680-16013	00000/0000	1-10056/0117	02/27/77	10	3426	3725N	10446W	26.4	125.5		GGGG			35	34
5680-16020	00000/0000	1-10056/0118	02/27/77	10	3426	3600N	10513W	27.0	124.6		GGGG			35	35
5680-16022	00000/0000	1-10056/0119	02/27/77	0	3426	3434N	10538W	27.6	123.7		GGGG			35	36
5680-16025	00000/0000	1-10056/0120	02/27/77	10	3426	3309N	10603W	28.1	122.8		GGGF			35	37
5680-16031	00000/0000	1-10056/0121	02/27/77	0	3426	3143N	10628W	28.7	121.9		GGGG			35	38
5680-16034	00000/0000	1-10056/0122	02/27/77	0	3426	3017N	10653W	29.2	121.0		GFFF			35	39
5681-14215	00000/0000	1-10056/0123	02/28/77	70	3439	4432N	07756W	23.5	129.6		GGGG			18	29
5681-14222	00000/0000	1-10056/0124	02/28/77	70	3439	4307N	07828W	24.2	128.7		GGGG			18	30
5681-14224	00000/0000	1-10056/0125	02/28/77	90	3439	4142N	07859W	24.8	127.8		GFGG			18	31
5681-14231	00000/0000	1-10056/0126	02/28/77	80	3439	4016N	07929W	25.5	127.0		GGGG			18	32
5681-14233	00000/0000	1-10056/0127	02/28/77	70	3439	3851N	07958W	26.1	126.1		GGGG			18	33
5681-14240	00000/0000	1-10056/0128	02/28/77	40	3439	3725N	08026W	26.7	125.2		GGGG			18	34
5681-14242	00000/0000	1-10056/0129	02/28/77	10	3439	3559N	08053W	27.3	124.3		GGGG			18	35
5681-14245	00000/0000	1-10056/0130	02/28/77	0	3439	3434N	08119W	27.8	123.4		GGGG			18	36
5681-14251	00000/0000	1-10056/0131	02/28/77	0	3439	3309N	08144W	28.4	122.5		GGGG			18	37
5681-14254	00000/0000	1-10056/0132	02/28/77	0	3439	3143N	08209W	28.9	121.6		GGGG			18	38
5681-14260	00000/0000	1-10056/0133	02/28/77	10	3439	3017N	08234W	29.4	120.7		GGGG			18	39
5681-14263	00000/0000	1-10056/0134	02/28/77	30	3439	2850N	08259W	29.9	119.8		GGGG			18	40
5681-14265	00000/0000	1-10056/0135	02/28/77	70	3439	2723N	08323W	30.4	118.9		GGGG			18	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5681-14272	00000/0000	1-10056/0136	02/28/77	80	3439	2557N	08346W	30.9	117.9		GGGG			18	42
5681-14274	00000/0000	1-10056/0137	02/28/77	90	3439	2431N	08408W	31.3	117.0		GGGG			18	43
5681-16035	00000/0000	1-10056/0154	02/28/77	40	3440	4846N	10158W	21.5	132.2		GGGG			36	26
5681-16042	00000/0000	1-10056/0155	02/28/77	50	3440	4722N	10235W	22.2	131.3		GGGG			36	27
5681-16044	00000/0000	1-10056/0156	02/28/77	50	3440	4557N	10309W	22.9	130.4		GGGG			36	28
5681-16051	00000/0000	1-10056/0157	02/28/77	70	3440	4432N	10343W	23.6	129.6		GGGG			36	29
5681-16053	00000/0000	1-10056/0158	02/28/77	40	3440	4307N	10415W	24.2	128.7		GGGG			36	30
5681-16060	00000/0000	1-10056/0159	02/28/77	10	3440	4141N	10445W	24.9	127.8		GGGG			36	31
5681-16062	00000/0000	1-10056/0160	02/28/77	20	3440	4016N	10515W	25.5	126.9		GGGG			36	32
5681-16065	00000/0000	1-10056/0161	02/28/77	10	3440	3850N	10544W	26.1	126.1		GGGG			36	33
5681-16071	00000/0000	1-10056/0162	02/28/77	0	3440	3725N	10613W	26.7	125.2		GGGG			36	34
5681-16074	00000/0000	1-10056/0163	02/28/77	0	3440	3600N	10640W	27.3	124.3		GGGG			36	35
5681-16080	00000/0000	1-10056/0164	02/28/77	0	3440	3434N	10707W	27.9	123.4		GGGG			36	36
5681-16083	00000/0000	1-10056/0165	02/28/77	0	3440	3307N	10733W	28.4	122.5		GGGG			36	37
5681-16085	00000/0000	1-10056/0166	02/28/77	0	3440	3140N	10758W	28.9	121.6		GGGG			36	38
5681-16092	00000/0000	1-10056/0167	02/28/77	0	3440	3014N	10823W	29.5	120.7		GGGG			36	39
5681-16094	00000/0000	1-10056/0168	02/28/77	0	3440	2847N	10847W	30.0	119.8		GGGF			36	40
5682-14303	00000/0000	1-10056/0150	03/01/77	10	3453	3433N	08246W	28.1	123.2		GGG			19	36
5682-14305	00000/0000	1-10056/0151	03/01/77	0	3453	3307N	08311W	28.7	122.2		GGGG			19	37
5682-14312	00000/0000	1-10056/0152	03/01/77	0	3453	3142N	08336W	29.2	121.3		GGGG			19	38
5682-14314	00000/0000	1-10056/0153	03/01/77	0	3453	3016N	08401W	29.7	120.4		GGGF			19	39
5682-16125	00000/0000	1-10056/0138	03/01/77	80	3454	3722N	10741W	27.0	124.9		GGGG			37	34
5682-16132	00000/0000	1-10056/0139	03/01/77	90	3454	3557N	10808W	27.6	124.0		GGGG			37	35
5682-16134	00000/0000	1-10056/0140	03/01/77	90	3454	3432N	10835W	28.2	123.1		GGGF			37	36
5682-16141	00000/0000	1-10056/0141	03/01/77	10	3454	3307N	10900W	28.7	122.2		GGG			37	37
5682-16143	00000/0000	1-10056/0142	03/01/77	50	3454	3141N	10925W	29.2	121.3		GGGG			37	38
5682-16150	00000/0000	1-10056/0143	03/01/77	60	3454	3015N	10950W	29.7	120.4		GGGG			37	39
5683-14340	00000/0000	1-10056/0144	03/02/77	0	3467	4139N	08153W	25.5	127.4		G			20	31
5683-14342	00000/0000	1-10056/0145	03/02/77	0	3467	4015N	08221W	26.1	126.5		GGGG			20	32
5683-14345	00000/0000	1-10056/0146	03/02/77	0	3467	3850N	08250W	26.7	125.6		GGGG			20	33
5683-14351	00000/0000	1-10056/0147	03/02/77	0	3467	3724N	08319W	27.3	124.7		GGGG			20	34
5683-14354	00000/0000	1-10056/0148	03/02/77	30	3467	3558N	08346W	27.9	123.8		GGGG			20	35
5683-14360	00000/0000	1-10056/0149	03/02/77	30	3467	3432N	08413W	28.4	122.9		GGGG			20	36
5683-16185	00000/0000	1-10056/0169	03/02/77	20	3468	3603N	10932W	27.9	123.8		GGGG			38	35
5683-16192	00000/0000	1-10056/0170	03/02/77	0	3468	3436N	10959W	28.4	122.9		GGGG			38	36
5683-16194	00000/0000	1-10056/0171	03/02/77	0	3468	3309N	11025W	29.0	122.0		GGGG			38	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5683-16201	00000/0000	1-10056/0172	03/02/77	0	3468	3142N 11050W	29.5	121.0	GGGG			38	38
5683-16203	00000/0000	1-10056/0173	03/02/77	0	3468	3016N 11114W	30.0	120.1	FGGG			38	39
5718-14233	00000/0000	1-10057/0001	04/06/77	50	3955	4728N 07818W	35.2	124.2	GG			19	27
5718-14235	00000/0000	1-10057/0002	04/06/77	50	3955	4609N 07852W	35.7	122.9	GGG			19	28
5718-14242	00000/0000	1-10057/0003	04/06/77	50	3955	4437N 07925W	36.2	121.6	GG			19	29
5718-14244	00000/0000	1-10057/0004	04/06/77	80	3955	4312N 07957W	36.7	120.2	GGG			19	30
5718-14251	00000/0000	1-10057/0005	04/06/77	80	3955	4147N 08028W	37.1	118.9	GGG			19	31
5718-14253	00000/0000	1-10057/0006	04/06/77	80	3955	4022N 08057W	37.5	117.6	GGG			19	32
5718-14260	00000/0000	1-10057/0007	04/06/77	80	3955	3856N 08126W	37.9	116.3	GGG			19	33
5718-14262	00000/0000	1-10057/0008	04/06/77	40	3955	3731N 08154W	38.3	114.9	GGG			19	34
5718-14265	00000/0000	1-10057/0009	04/06/77	10	3955	3605N 08222W	38.6	113.6	GGG			19	35
5718-14271	00000/0000	1-10057/0010	04/06/77	0	3955	3439N 08248W	38.9	112.3	GGG			19	36
5718-14274	00000/0000	1-10057/0011	04/06/77	0	3955	3313N 08314W	39.2	110.9	GGG			19	37
5718-14280	00000/0000	1-10057/0012	04/06/77	0	3955	3146N 08339W	39.4	109.6	GGG			19	38
5718-14283	00000/0000	1-10057/0013	04/06/77	0	3955	3020N 08403W	39.6	108.2	GGG			19	39
5718-14285	00000/0000	1-10057/0014	04/06/77	10	3955	2854N 08426W	39.8	106.9	GGG			19	40
5719-14314	00000/0000	1-10057/0055	04/07/77	30	3969	3855N 08252W	38.2	116.0	GGF			20	33
5719-14320	00000/0000	1-10057/0056	04/07/77	50	3969	3729N 08320W	38.6	114.6	GGG			20	34
5719-14323	00000/0000	1-10057/0057	04/07/77	10	3969	3603N 08346W	38.9	113.3	GGG			20	35
5719-14325	00000/0000	1-10057/0058	04/07/77	10	3969	3437N 08413W	39.2	111.9	GGG			20	36
5719-14332	00000/0000	1-10057/0059	04/07/77	10	3969	3311N 08438W	39.4	110.6	GGG			20	37
5719-14334	00000/0000	1-10057/0060	04/07/77	0	3969	3145N 08503W	39.7	109.2	GGG			20	38
5719-14341	00000/0000	1-10057/0061	04/07/77	0	3969	3019N 08528W	39.9	107.9	GGG			20	39
5719-14343	00000/0000	1-10057/0062	04/07/77	0	3969	2852N 08553W	40.1	106.5	GGG			20	40
5719-16120	00000/0000	1-10058/0026	04/07/77	10	3970	4851N 10458W	35.0	125.3	GGG			38	26
5719-16122	00000/0000	1-10058/0027	04/07/77	10	3970	4726N 10534W	35.6	123.9	GGG			38	27
5719-16125	00000/0000	1-10058/0028	04/07/77	0	3970	4601N 10608W	36.1	122.6	GGG			38	28
5719-16131	00000/0000	1-10058/0029	04/07/77	0	3970	4436N 10641W	36.6	121.3	GGG			38	29
5719-16134	00000/0000	1-10058/0030	04/07/77	0	3970	4310N 10713W	37.0	119.9	GGG			38	30
5719-16140	00000/0000	1-10058/0031	04/07/77	0	3970	4145N 10744W	37.4	118.6	GGG			38	31
5719-16143	00000/0000	1-10058/0032	04/07/77	0	3970	4019N 10814W	37.9	117.3	GGG			38	32
5719-16145	00000/0000	1-10058/0033	04/07/77	10	3970	3853N 10842W	38.2	115.9	GGF			38	33
5719-16152	00000/0000	1-10058/0034	04/07/77	10	3970	3727N 10910W	38.6	114.6	GGG			38	34
5719-16154	00000/0000	1-10058/0035	04/07/77	0	3970	3601N 10936W	38.9	113.2	GGG			38	35
5719-16161	00000/0000	1-10058/0036	04/07/77	0	3970	3435N 11003W	39.2	111.9	GGG			38	36
5719-16163	00000/0000	1-10058/0037	04/07/77	0	3970	3309N 11028W	39.5	110.5	GGG			38	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUM AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5719-16170	00000/0000	1-10058/0038	04/07/77	0	3970	3143N	11053W	39.7	109.42	GGG				38	38
5719-16172	00000/0000	1-10058/0039	04/07/77	0	3970	3018N	11118W	39.9	107.8	GGG				38	39
5720-14371	00000/0000	1-10057/0074	04/08/77	10	3983	3857N	08417W	38.5	115.7	GGG				21	33
5720-14374	00000/0000	1-10057/0075	04/08/77	30	3983	3732N	08444W	38.8	114.4	GGG				21	34
5720-14380	00000/0000	1-10057/0076	04/08/77	20	3983	3606N	08511W	39.2	113.0	GGG				21	35
5720-14383	00000/0000	1-10057/0077	04/08/77	0	3983	3439N	08538W	39.4	111.6	GGG				21	36
5720-14385	00000/0000	1-10057/0078	04/08/77	10	3983	3313N	08604W	39.7	110.3	GGG				21	37
5720-14392	00000/0000	1-10057/0079	04/08/77	0	3983	3147N	08629W	39.9	108.9	GGG				21	38
5720-14394	00000/0000	1-10057/0080	04/08/77	0	3983	3021N	08654W	40.1	107.5	GGG				21	39
5720-14401	00000/0000	1-10057/0081	04/08/77	0	3983	2855N	08718W	40.3	106.1	GGG				21	40
5720-16173	00000/0000	1-10057/0015	04/08/77	0	3984	4853N	10623W	35.4	125.1	GGG				39	26
5720-16180	00000/0000	1-10057/0016	04/08/77	0	3984	4728N	10659W	35.9	123.7	GGG				39	27
5720-16182	00000/0000	1-10057/0017	04/08/77	0	3984	4603N	10733W	36.4	122.4	GGG				39	28
5720-16185	00000/0000	1-10057/0018	04/08/77	0	3984	4438N	10806W	36.9	121.1	GGG				39	29
5720-16191	00000/0000	1-10057/0019	04/08/77	0	3984	4313N	10839W	37.3	119.7	GGG				39	30
5720-16194	00000/0000	1-10057/0020	04/08/77	20	3984	4148N	10910W	37.7	118.4	GGG				39	31
5720-16200	00000/0000	1-10057/0021	04/08/77	0	3984	4023N	10940W	38.1	117.0	GGG				39	32
5720-16203	00000/0000	1-10057/0022	04/08/77	0	3984	3857N	11008W	38.5	115.7	GGG				39	33
5720-16205	00000/0000	1-10057/0023	04/08/77	0	3984	3729N	11035W	38.9	114.3	GGG				39	34
5720-16212	00000/0000	1-10057/0024	04/08/77	0	3984	3602N	11102W	39.2	113.0	GGG				39	35
5720-16214	00000/0000	1-10057/0025	04/08/77	0	3984	3436N	11128W	39.5	111.6	GGG				39	36
5720-16221	00000/0000	1-10057/0026	04/08/77	0	3984	3310N	11154W	39.7	110.2	GGG				39	37
5720-16223	00000/0000	1-10057/0027	04/08/77	0	3984	3145N	11219W	40.0	108.8	GGG				39	38
5720-16230	00000/0000	1-10057/0028	04/08/77	0	3984	3019N	11243W	40.2	107.5	GGG				39	39
5721-14400	00000/0000	1-10058/0010	04/09/77	0	3997	4852N	08200W	35.7	124.9	GGG				22	26
5721-14402	00000/0000	1-10058/0011	04/09/77	10	3997	4727N	08236W	36.2	123.6	GGG				22	27
5721-14405	00000/0000	1-10058/0012	04/09/77	10	3997	4602N	08311W	36.7	122.2	GGG				22	28
5721-14411	00000/0000	1-10058/0013	04/09/77	10	3997	4438N	08343W	37.2	120.8	GGG				22	29
5721-14414	00000/0000	1-10058/0014	04/09/77	0	3997	4313N	08415W	37.6	119.5	GGG				22	30
5721-14420	00000/0000	1-10058/0015	04/09/77	10	3997	4147N	08446W	38.0	118.1	GGG				22	31
5721-14423	00000/0000	1-10058/0016	04/09/77	20	3997	4022N	08515W	38.4	116.8	GGG				22	32
5721-14425	00000/0000	1-10058/0017	04/09/77	20	3997	3856N	08543W	38.8	115.4	GGG				22	33
5721-14432	00000/0000	1-10058/0018	04/09/77	10	3997	3730N	08611W	39.1	114.0	GGG				22	34
5721-14434	00000/0000	1-10058/0019	04/09/77	10	3997	3605N	08637W	39.4	112.7	GGG				22	35
5721-14441	00000/0000	1-10058/0020	04/09/77	10	3997	3438N	08704W	39.7	111.3	GGG				22	36
5721-14443	00000/0000	1-10058/0021	04/09/77	0	3997	3312N	08731W	40.0	109.9	GGG				22	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5721-14450	00000/0000	1-10058/0022	04/09/77	0	3997	3145N	08756W	40.2	108.5	GGG			22	38
5721-14452	00000/0000	1-10058/0023	04/09/77	10	3997	3019N	08820W	40.4	107.1	GGG			22	39
5721-14455	00000/0000	1-10058/0024	04/09/77	10	3997	2853N	08844W	40.5	105.7	GGG			22	40
5721-14461	00000/0000	1-10058/0025	04/09/77	10	3997	2727N	08908W	40.7	104.4	GGG			22	41
5721-16231	00000/0000	1-10057/0029	04/09/77	0	3998	4853N	10749W	35.7	124.9	GF			40	26
5721-16234	00000/0000	1-10057/0030	04/09/77	0	3998	4728N	10825W	36.2	123.5	GG			40	27
5721-16240	00000/0000	1-10057/0031	04/09/77	0	3998	4603N	10900W	36.7	122.2	GG			40	28
5721-16243	00000/0000	1-10057/0032	04/09/77	0	3998	4438N	10933W	37.2	120.8	GG			40	29
5721-16245	00000/0000	1-10057/0033	04/09/77	0	3998	4312N	11005W	37.6	119.4	GG			40	30
5721-16252	00000/0000	1-10057/0034	04/09/77	0	3998	4147N	11036W	38.1	118.1	GG			40	31
5721-16254	00000/0000	1-10057/0035	04/09/77	0	3998	4022N	11106W	38.5	116.7	GG			40	32
5721-16261	00000/0000	1-10057/0036	04/09/77	0	3998	3855N	11133W	38.8	115.4	GG			40	33
5721-16263	00000/0000	1-10057/0037	04/09/77	0	3998	3728N	11201W	39.2	114.0	GG			40	34
5721-16270	00000/0000	1-10057/0038	04/09/77	0	3998	3601N	11228W	39.5	112.6	GG			40	35
5721-16272	00000/0000	1-10057/0039	04/09/77	0	3998	3435N	11255W	39.7	111.2	GG			40	36
5721-16275	00000/0000	1-10057/0040	04/09/77	0	3998	3310N	11321W	40.0	109.9	FF			40	37
5721-16281	00000/0000	1-10057/0041	04/09/77	0	3998	3144N	11346W	40.2	108.6	GG			40	38
5721-16284	00000/0000	1-10057/0042	04/09/77	0	3998	3019N	11410W	40.4	107.1	GG			40	39
5722-16301	00000/0000	1-10057/0053	04/10/77	90	4012	4436N	11100W	37.5	120.5	GG			41	29
5722-16303	00000/0000	1-10057/0054	04/10/77	20	4012	4311N	11132W	38.0	119.2	GG			41	30
5724-16403	00000/0000	1-10057/0101	04/12/77	10	4040	4729N	11244W	37.2	122.9	GG			43	27
5725-16455	00000/0000	1-10057/0043	04/13/77	80	4054	4853N	11333W	37.0	124.1	GG			44	26
5725-16461	00000/0000	1-10057/0044	04/13/77	90	4054	4728N	11410W	37.5	122.7	GG			44	27
5725-16464	00000/0000	1-10057/0045	04/13/77	80	4054	4603N	11445W	38.0	121.2	GG			44	28
5725-16470	00000/0000	1-10057/0046	04/13/77	80	4054	4438N	11518W	38.4	119.8	GG			44	29
5725-16473	00000/0000	1-10057/0047	04/13/77	80	4054	4313N	11551W	38.9	118.4	GG			44	30
5725-16475	00000/0000	1-10057/0048	04/13/77	80	4054	4148N	11621W	39.3	117.0	GG			44	31
5725-16482	00000/0000	1-10057/0049	04/13/77	90	4054	4023N	11651W	39.6	115.6	GG			44	32
5725-16484	00000/0000	1-10057/0050	04/13/77	70	4054	3858N	11721W	40.0	114.2	GG			44	33
5725-16491	00000/0000	1-10057/0051	04/13/77	50	4054	3733N	11749W	40.3	112.7	GG			44	34
5725-16493	00000/0000	1-10057/0052	04/13/77	30	4054	3608N	11814W	40.6	111.3	GG			44	35
5726-16513	00000/0000	1-10057/0091	04/14/77	70	4068	4852N	11500W	37.3	123.8	GG			45	26
5726-16515	00000/0000	1-10057/0092	04/14/77	50	4068	4728N	11536W	37.8	122.4	GG			45	27
5726-16522	00000/0000	1-10057/0093	04/14/77	70	4068	4603N	11611W	38.3	121.0	GG			45	28
5726-16524	00000/0000	1-10057/0094	04/14/77	40	4068	4437N	11644W	38.8	119.6	GG			45	29
5726-16531	00000/0000	1-10057/0095	04/14/77	10	4068	4312N	11716W	39.2	118.1	FG			45	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5726-16533	00000/0000	1-10057/0096	04/14/77	10	4068	4147N	11748W	39.6	116.7		FGG			45	31
5726-16540	00000/0000	1-10057/0097	04/14/77	10	4068	4022N	11817W	39.9	115.3		GGG			45	32
5726-16542	00000/0000	1-10057/0098	04/14/77	20	4068	3856N	11846W	40.2	113.8		GGG			45	33
5726-16545	00000/0000	1-10057/0099	04/14/77	10	4068	3730N	11913W	40.5	112.4		GGG			45	34
5726-16551	00000/0000	1-10057/0100	04/14/77	0	4068	3604N	11940W	40.8	111.0		GGG			45	35
5727-16571	00000/0000	1-10057/0082	04/15/77	90	4082	4855N	11625W	37.7	123.7		GGG			46	26
5727-16573	00000/0000	1-10057/0083	04/15/77	100	4082	4730N	11701W	38.1	122.2		GGG			46	27
5727-16580	00000/0000	1-10057/0084	04/15/77	60	4082	4605N	11735W	38.6	120.8		GGG			46	28
5727-16582	00000/0000	1-10057/0085	04/15/77	50	4082	4439N	11808W	39.0	119.4		GGG			46	29
5727-16585	00000/0000	1-10057/0086	04/15/77	20	4082	4314N	11840W	39.5	117.9		GGG			46	30
5727-16591	00000/0000	1-10057/0087	04/15/77	10	4082	4149N	11911W	39.8	116.5		GGG			46	31
5727-16594	00000/0000	1-10057/0088	04/15/77	0	4082	4024N	11942W	40.2	115.0		GGG			46	32
5727-17000	00000/0000	1-10057/0089	04/15/77	0	4082	3859N	12011W	40.5	113.6		GGG			46	33
5727-17003	00000/0000	1-10057/0090	04/15/77	0	4082	3733N	12039W	40.8	112.1		GGG			46	34
5728-17024	00000/0000	1-10057/0063	04/16/77	60	4096	4855N	11751W	38.0	123.5		GGG			47	26
5728-17031	00000/0000	1-10057/0064	04/16/77	20	4096	4729N	11827W	38.5	122.0		GGG			47	27
5728-17033	00000/0000	1-10057/0065	04/16/77	20	4096	4604N	11901W	38.9	120.5		GGG			47	28
5728-17040	00000/0000	1-10057/0066	04/16/77	50	4096	4439N	11935W	39.3	119.1		GGG			47	29
5728-17042	00000/0000	1-10057/0067	04/16/77	40	4096	4314N	12007W	39.7	117.6		GGG			47	30
5728-17045	00000/0000	1-10057/0068	04/16/77	40	4096	4149N	12038W	40.1	116.2		GGG			47	31
5728-17051	00000/0000	1-10057/0069	04/16/77	20	4096	4023N	12108W	40.5	114.7		GGG			47	32
5728-17054	00000/0000	1-10057/0070	04/16/77	10	4096	3857N	12136W	40.8	113.3		GGG			47	33
5728-17060	00000/0000	1-10057/0071	04/16/77	10	4096	3731N	12204W	41.1	111.8		FGG			47	34
5729-17103	00000/0000	1-10057/0072	04/17/77	0	4110	4147N	12205W	40.4	115.9		GGG			48	31
5729-17105	00000/0000	1-10057/0073	04/17/77	10	4110	4022N	12234W	40.7	114.4		GGG			48	32
5730-17140	00000/0000	1-10057/0102	04/18/77	70	4124	4854N	12044W	38.6	123.0		GGG			49	26
5730-17143	00000/0000	1-10057/0103	04/18/77	40	4124	4729N	12121W	39.1	121.5		GGG			49	27
5730-17145	00000/0000	1-10057/0104	04/18/77	50	4124	4603N	12155W	39.5	120.0		GGG			49	28
5730-17152	00000/0000	1-10057/0105	04/18/77	40	4124	4437N	12228W	39.9	118.6		GGG			49	29
5730-17154	00000/0000	1-10057/0106	04/18/77	10	4124	4312N	12300W	40.3	117.1		GGG			49	30
5730-17161	00000/0000	1-10057/0107	04/18/77	10	4124	4147N	12331W	40.7	115.6		GGG			49	31
5734-15564	00000/0000	1-10057/0108	04/22/77	0	4179	3730N	10451W	42.5	109.8		GGG			35	34
5734-15571	00000/0000	1-10057/0109	04/22/77	0	4179	3603N	10519W	42.7	108.3		GGG			35	35
5735-16015	00000/0000	1-10057/0110	04/23/77	10	4193	3857N	10550W	42.5	111.1		GGG			36	33
5735-16022	00000/0000	1-10057/0111	04/23/77	10	4193	3731N	10618W	42.8	109.6		GGG			36	34
5736-16044	00000/0000	1-10058/0001	04/24/77	0	4207	4856N	10332W	40.3	121.7		GGG			37	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5736-16050	00000/0000	1-10058/0002	04/24/77	0	4207	4731N	10409W	40.8	120.1		GGG			37	27
5736-16053	00000/0000	1-10058/0003	04/24/77	10	4207	4605N	10443W	41.2	118.6		GGG			37	28
5736-16055	00000/0000	1-10058/0004	04/24/77	10	4207	4438N	10516W	41.6	117.0		GGG			37	29
5736-16062	00000/0000	1-10058/0005	04/24/77	0	4207	4311N	10548W	41.9	115.4		GGG			37	30
5736-16064	00000/0000	1-10058/0006	04/24/77	10	4207	4145N	10618W	42.2	113.9		GGG			37	31
5736-16071	00000/0000	1-10058/0007	04/24/77	10	4207	4019N	10648W	42.5	112.9		GGG			37	32
5736-16073	00000/0000	1-10058/0008	04/24/77	10	4207	3854N	10717W	42.8	110.8		GGG			37	33
5736-16080	00000/0000	1-10058/0009	04/24/77	10	4207	3729N	10745W	43.0	109.2		GGG			37	34
5737-16143	00000/0000	1-10058/0040	04/25/77	10	4221	3440N	11002W	43.5	105.8		GGG			38	36
5737-16145	00000/0000	1-10058/0041	04/25/77	10	4221	3314N	11028W	43.7	104.2		GGG			38	37
5738-16201	00000/0000	1-10058/0048	04/26/77	20	4235	3438N	11129W	43.8	105.4		GGG			39	36
5738-16203	00000/0000	1-10058/0049	04/26/77	10	4235	3312N	11154W	43.9	103.8		GGG			39	37
5739-16231	00000/0000	1-10058/0050	04/27/77	10	4249	4316N	11004W	42.7	114.7		GGG			40	30
5739-16234	00000/0000	1-10058/0051	04/27/77	20	4249	4150N	11035W	43.0	113.1		GGG			40	31
5739-16240	00000/0000	1-10058/0052	04/27/77	40	4249	4024N	11105W	43.2	111.5		GGG			40	32
5739-16243	00000/0000	1-10058/0053	04/27/77	40	4249	3859N	11133W	43.5	109.9		GGG			40	33
5739-16245	00000/0000	1-10058/0054	04/27/77	50	4249	3733N	11201W	43.7	108.3		GGG			40	34
5739-16252	00000/0000	1-10058/0055	04/27/77	50	4249	3607N	11228W	43.8	106.7		GGG			40	35
5739-16254	00000/0000	1-10058/0056	04/27/77	40	4249	3441N	11254W	43.9	105.1		GGG			40	36
5740-16283	00000/0000	1-10058/0057	04/28/77	30	4263	4439N	11058W	42.6	116.0		GGG			41	29
5740-16285	00000/0000	1-10058/0058	04/28/77	50	4263	4314N	11130W	42.9	114.4		GGG			41	30
5742-19582	00000/0000	1-10058/0059	04/30/77	0	4293	7054N	14554W	32.0	150.8		GGG			80	10
5742-19585	00000/0000	1-10058/0060	04/30/77	0	4293	6936N	14757W	32.8	148.2		GGG			80	11
5743-16443	00000/0000	1-10058/0071	05/01/77	10	4305	4731N	11407W	42.6	118.5		GGG			44	27
5743-16450	00000/0000	1-10058/0072	05/01/77	20	4305	4606N	11441W	42.9	116.8		GGG			44	28
5743-16452	00000/0000	1-10058/0073	05/01/77	30	4305	4441N	11514W	43.3	115.2		GGG			44	29
5743-16455	00000/0000	1-10058/0074	05/01/77	70	4305	4315N	11547W	43.6	113.5		GGG			44	30
5743-16461	00000/0000	1-10058/0075	05/01/77	40	4305	4149N	11619W	43.9	111.9		GGG			44	31
5743-16464	00000/0000	1-10058/0076	05/01/77	50	4305	4023N	11649W	44.1	110.2		GGG			44	32
5743-16470	00000/0000	1-10058/0077	05/01/77	50	4305	3857N	11719W	44.3	108.6		GGG			44	33
5743-16473	00000/0000	1-10058/0078	05/01/77	20	4305	3731N	11746W	44.5	106.9		GGG			44	34
5743-16475	00000/0000	1-10058/0079	05/01/77	20	4305	3605N	11813W	44.6	105.3		GGG			44	35
5743-20042	00000/0000	1-10058/0080	05/01/77	10	4307	6940N	14921W	33.0	148.2		GGG			81	11
5744-16495	00000/0000	1-10058/0061	05/02/77	90	4319	4855N	11459W	42.4	119.9		FFF			45	26
5744-16501	00000/0000	1-10058/0062	05/02/77	90	4319	4729N	11535W	42.8	118.2		FFF			45	27
5744-16504	00000/0000	1-10058/0063	05/02/77	70	4319	4604N	11610W	43.2	116.5		GFF			45	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5744-16510	00000/0000	1-10058/0064	05/02/77	60	4319	4438N	11642W	43.5	114.9		GGG			45	29
5744-16513	00000/0000	1-10058/0065	05/02/77	20	4319	4313N	11714W	43.8	113.2		GGG			45	30
5744-16515	00000/0000	1-10058/0066	05/02/77	10	4319	4148N	11745W	44.1	111.6		GGG			45	31
5744-16522	00000/0000	1-10058/0067	05/02/77	10	4319	4022N	11815W	44.3	109.9		GGG			45	32
5744-16524	00000/0000	1-10058/0068	05/02/77	20	4319	3857N	11844W	44.5	108.2		GGG			45	33
5744-16531	00000/0000	1-10058/0069	05/02/77	10	4319	3731N	11912W	44.7	106.6		GF0			45	34
5744-16533	00000/0000	1-10058/0070	05/02/77	30	4319	3605N	11939W	44.8	104.9		GGG			45	35
5744-20094	00000/0000	1-10058/0042	05/02/77	50	4321	7054N	14839W	32.6	150.8		GGG			82	10
5744-20100	00000/0000	1-10058/0043	05/02/77	50	4321	6936N	15042W	33.3	148.1		GGG			82	11
5745-16582	00000/0000	1-10058/0081	05/03/77	60	4333	3856N	12012W	44.7	107.9		GGG			46	33
5745-16585	00000/0000	1-10058/0082	05/03/77	30	4333	3730N	12040W	44.8	106.2		GGG			46	34
5745-20152	00000/0000	1-10058/0044	05/03/77	80	4335	7053N	15007W	32.9	150.7		GGG			83	10
5745-20154	00000/0000	1-10058/0045	05/03/77	70	4335	6936N	15210W	33.6	148.1		GGG			83	11
5749-13554	00000/0000	1-10058/0046	05/07/77	30	4387	3439N	07538W	45.6	101.6		GGG			14	36
5749-13560	00000/0000	1-10058/0047	05/07/77	50	4387	3313N	07604W	45.6	100.0		GGG			14	37
5749-15345	00000/0000	1-10058/0127	05/07/77	0	4388	4855N	09621W	43.6	118.7		GGG			32	26
5749-15351	00000/0000	1-10058/0128	05/07/77	0	4388	4730N	09657W	43.9	117.0		GGG			32	27
5749-15354	00000/0000	1-10058/0129	05/07/77	10	4388	4605N	09731W	44.3	115.3		GGG			32	28
5749-15360	00000/0000	1-10058/0130	05/07/77	60	4388	4439N	09804W	44.6	113.5		GGG			32	29
5749-15363	00000/0000	1-10058/0131	05/07/77	80	4388	4313N	09836W	44.8	111.8		GGG			32	30
5749-15365	00000/0000	1-10058/0132	05/07/77	90	4388	4147N	09907W	45.0	110.1		GGG			32	31
5749-15372	00000/0000	1-10058/0133	05/07/77	80	4388	4021N	09937W	45.2	108.4		GGG			32	32
5749-15374	00000/0000	1-10058/0134	05/07/77	40	4388	3856N	10006W	45.4	106.7		GGG			32	33
5749-15381	00000/0000	1-10058/0119	05/07/77	10	4388	3731N	10033W	45.5	105.0		GGG			32	34
5749-15383	00000/0000	1-10058/0120	05/07/77	10	4388	3606N	10059W	45.6	103.3		GGG			32	35
5749-15390	00000/0000	1-10058/0121	05/07/77	10	4388	3439N	10125W	45.6	101.6		GGG			32	36
5749-15392	00000/0000	1-10058/0122	05/07/77	10	4388	3313N	10151W	45.6	99.9		GGG			32	37
5749-15395	00000/0000	1-10058/0123	05/07/77	40	4388	3147N	10216W	45.6	98.3		GGG			32	38
5749-15401	00000/0000	1-10058/0124	05/07/77	20	4388	3020N	10241W	45.5	96.6		GGG			32	39
5749-15404	00000/0000	1-10058/0125	05/07/77	10	4388	2853N	10306W	45.4	95.0		GGG			32	40
5749-15410	00000/0000	1-10058/0126	05/07/77	20	4388	2727N	10329W	45.3	93.4		GGG			32	41
5749-17180	00000/0000	1-10058/0114	05/07/77	10	4389	4854N	12210W	43.6	118.7		GGG			50	26
5749-17183	00000/0000	1-10058/0115	05/07/77	10	4389	4729N	12247W	43.9	116.9		GGG			50	27
5750-13582	00000/0000	1-10058/0099	05/08/77	10	4401	4438N	07342W	44.7	113.3		GGG			15	29
5750-13585	00000/0000	1-10058/0100	05/08/77	10	4401	4313N	07414W	45.0	111.6		GGG			15	30
5750-13591	00000/0000	1-10058/0101	05/08/77	10	4401	4148N	07445W	45.2	109.8		GGG			15	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

07:00 BCT 15, 177

PAGE 0073

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5750-13594	00000/0000	1-10058/0102	05/08/77	0	4401	4024N	07515W	45.4	108.1		GGG			15	32
5750-14000	00000/0000	1-10058/0103	05/08/77	0	4401	3858N	07543W	45.5	106.4		GGF			15	33
5750-14003	00000/0000	1-10058/0104	05/08/77	10	4401	3731N	07611W	45.6	104.7		GGF			15	34
5750-14005	00000/0000	1-10058/0105	05/08/77	30	4401	3604N	07638W	45.7	103.0		GGG			15	35
5750-14012	00000/0000	1-10058/0106	05/08/77	20	4401	3438N	07705W	45.8	101.3		GGG			15	36
5750-14014	00000/0000	1-10058/0107	05/08/77	60	4401	3313N	07731W	45.7	99.6		GGG			15	37
5750-14021	00000/0000	1-10058/0108	05/08/77	30	4401	3147N	07756W	45.7	97.9		GGG			15	38
5750-14023	00000/0000	1-10058/0109	05/08/77	20	4401	3021N	07820W	45.6	96.3		GGG			15	39
5750-14030	00000/0000	1-10058/0110	05/08/77	40	4401	2854N	07844W	45.5	94.7		GGG			15	40
5750-14032	00000/0000	1-10058/0111	05/08/77	40	4401	2728N	07907W	45.3	93.0		GGG			15	41
5750-14035	00000/0000	1-10058/0112	05/08/77	10	4401	2601N	07930W	45.2	91.5		GGG			15	42
5750-14041	00000/0000	1-10058/0113	05/08/77	30	4401	2435N	07953W	44.9	89.9		GGG			15	43
5750-15423	00000/0000	1-10059/0001	05/08/77	90	4402	4147N	10033W	45.2	109.8		FFF			33	31
5750-15425	00000/0000	1-10059/0002	05/08/77	30	4402	4021N	10102W	45.4	108.1		FFF			33	32
5750-15432	00000/0000	1-10059/0003	05/08/77	10	4402	3856N	10130W	45.6	106.3		FFF			33	33
5750-15434	00000/0000	1-10059/0004	05/08/77	20	4402	3731N	10158W	45.7	104.6		FPF			33	34
5750-15441	00000/0000	1-10059/0005	05/08/77	10	4402	3605N	10226W	45.7	102.9		FFF			33	35
5750-15443	00000/0000	1-10059/0006	05/08/77	20	4402	3438N	10253W	45.8	101.2		FPF			33	36
5750-15450	00000/0000	1-10059/0007	05/08/77	80	4402	3312N	10319W	45.8	99.6		FPF			33	37
5750-15452	00000/0000	1-10059/0008	05/08/77	70	4402	3145N	10343W	45.7	97.9		FPF			33	38
5750-15455	00000/0000	1-10059/0009	05/08/77	40	4402	3019N	10407W	45.6	96.2		FFF			33	39
5750-15461	00000/0000	1-10059/0010	05/08/77	10	4402	2853N	10431W	45.5	94.6		GFF			33	40
5750-15464	00000/0000	1-10059/0011	05/08/77	10	4402	2726N	10455W	45.4	93.0		GFG			33	41
5750-17234	00000/0000	1-10058/0166	05/08/77	80	4403	4855N	12335W	43.8	118.5		GGG			51	26
5750-17240	00000/0000	1-10058/0167	05/08/77	90	4403	4730N	12411W	44.1	116.7		GGG			51	27
5750-17243	00000/0000	1-10058/0168	05/08/77	80	4403	4605N	12447W	44.5	115.0		GGG			51	28
5750-17245	00000/0000	1-10058/0169	05/08/77	40	4403	4441N	12521W	44.8	113.3		GGG			51	29
5750-17252	00000/0000	1-10058/0170	05/08/77	20	4403	4316N	12553W	45.0	111.5		GGG			51	30
5751-14034	00000/0000	1-10058/0083	05/09/77	60	4415	4605N	07433W	44.6	114.7		GGG			16	28
5751-14040	00000/0000	1-10058/0084	05/09/77	60	4415	4439N	07507W	44.9	113.0		GGG			16	29
5751-14043	00000/0000	1-10058/0085	05/09/77	90	4415	4313N	07539W	45.2	111.2		GGG			16	30
5751-14045	00000/0000	1-10058/0086	05/09/77	90	4415	4147N	07611W	45.4	109.5		GGG			16	31
5751-14052	00000/0000	1-10058/0087	05/09/77	80	4415	4021N	07641W	45.6	107.8		GGG			16	32
5751-14054	00000/0000	1-10058/0088	05/09/77	40	4415	3855N	07710W	45.7	106.1		GGG			16	33
5751-14061	00000/0000	1-10058/0089	05/09/77	10	4415	3729N	07738W	45.8	104.3		GGG			16	34
5751-14063	00000/0000	1-10058/0090	05/09/77	0	4415	3603N	07805W	45.9	102.6		GGG			16	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0074

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5751-14070	00000/0000	1-10058/0091	05/09/77	10	4415	3438N	07831W	45.9	100.9	GGG			16	36
5751-14072	00000/0000	1-10058/0092	05/09/77	20	4415	3312N	07857W	45.9	99.2	GGF			16	37
5751-14075	00000/0000	1-10058/0093	05/09/77	70	4415	3145N	07922W	45.8	97.6	GGF			16	38
5751-14081	00000/0000	1-10058/0094	05/09/77	80	4415	3018N	07946W	45.7	95.9	GGQ			16	39
5751-14084	00000/0000	1-10058/0095	05/09/77	60	4415	2851N	08010W	45.6	94.3	GGQ			16	40
5751-14090	00000/0000	1-10058/0096	05/09/77	30	4415	2725N	08034W	45.4	92.7	GGQ			16	41
5751-14093	00000/0000	1-10058/0097	05/09/77	50	4415	2559N	08057W	45.2	91.1	GGQ			16	42
5751-14095	00000/0000	1-10058/0098	05/09/77	10	4415	2433N	08119W	45.0	89.5	GGQ			16	43
5751-15460	00000/0000	1-10058/0135	05/09/77	50	4416	4856N	09914W	44.0	118.2	GFG			34	26
5751-15463	00000/0000	1-10058/0136	05/09/77	30	4416	4731N	09950W	44.3	116.5	GGQ			34	27
5751-15465	00000/0000	1-10058/0137	05/09/77	20	4416	4605N	10024W	44.6	114.8	GGQ			34	28
5751-15472	00000/0000	1-10058/0138	05/09/77	30	4416	4439N	10057W	44.9	113.0	GGQ			34	29
5751-15474	00000/0000	1-10058/0139	05/09/77	70	4416	4313N	10128W	45.2	111.3	FFF			34	30
5751-15481	00000/0000	1-10058/0140	05/09/77	30	4416	4148N	10158W	45.4	109.5	GGQ			34	31
5751-15483	00000/0000	1-10058/0141	05/09/77	40	4416	4023N	10227W	45.6	107.8	GGQ			34	32
5751-15490	00000/0000	1-10058/0142	05/09/77	20	4416	3858N	10256W	45.7	106.1	GGQ			34	33
5751-15492	00000/0000	1-10058/0143	05/09/77	10	4416	3732N	10324W	45.8	104.4	GGQ			34	34
5751-15495	00000/0000	1-10058/0144	05/09/77	0	4416	3606N	10352W	45.9	102.6	GGQ			34	35
5751-15501	00000/0000	1-10058/0145	05/09/77	0	4416	3439N	10417W	45.9	100.9	GGF			34	36
5751-15504	00000/0000	1-10058/0146	05/09/77	10	4416	3313N	10442W	45.9	99.3	GGQ			34	37
5751-15510	00000/0000	1-10058/0147	05/09/77	20	4416	3148N	10507W	45.8	97.6	GGQ			34	38
5751-15513	00000/0000	1-10058/0148	05/09/77	10	4416	3022N	10531W	45.7	95.9	GGQ			34	39
5751-15515	00000/0000	1-10058/0149	05/09/77	10	4416	2856N	10555W	45.6	94.3	GGQ			34	40
5751-17292	00000/0000	1-10058/0116	05/09/77	30	4417	4855N	12502W	44.0	118.0	GGQ			52	26
5751-17294	00000/0000	1-10058/0117	05/09/77	70	4417	4730N	12538W	44.3	116.5	GGQ			52	27
5751-17301	00000/0000	1-10058/0118	05/09/77	80	4417	4605N	12613W	44.7	114.7	GGQ			52	28
5752-14085	00000/0000	1-10058/0185	05/10/77	50	4429	4730N	07528W	44.5	116.3	GGG			17	27
5752-14092	00000/0000	1-10058/0186	05/10/77	40	4429	4606N	07603W	44.8	114.5	GGG			17	28
5752-14094	00000/0000	1-10058/0187	05/10/77	10	4429	4441N	07636W	45.1	112.7	GGG			17	29
5752-14101	00000/0000	1-10058/0188	05/10/77	40	4429	4315N	07708W	45.3	111.0	FGG			17	30
5752-14103	00000/0000	1-10058/0189	05/10/77	30	4429	4149N	07738W	45.6	109.3	GGG			17	31
5752-14110	00000/0000	1-10058/0190	05/10/77	10	4429	4023N	07807W	45.7	107.5	GGG			17	32
5752-14112	00000/0000	1-10058/0191	05/10/77	10	4429	3857N	07836W	45.9	105.8	GGG			17	33
5752-14115	00000/0000	1-10058/0192	05/10/77	10	4429	3731N	07903W	45.9	104.1	GGG			17	34
5752-14121	00000/0000	1-10058/0193	05/10/77	0	4429	3605N	07930W	46.0	102.3	GGG			17	35
5752-14124	00000/0000	1-10058/0194	05/10/77	0	4429	3439N	07957W	46.0	100.6	GGG			17	36

KEYS: CLOUD COVER X 0 TO 100 = X CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5752-14130	00000/0000	1-10058/0195	05/10/77	0	4429	3313N 08022W	46.0	98.9	GGG			17	37
5752-14133	00000/0000	1-10058/0196	05/10/77	0	4429	3147N 08048W	45.9	97.3	GGG			17	38
5752-14135	00000/0000	1-10058/0197	05/10/77	30	4429	3021N 08112W	45.8	95.6	GGG			17	39
5752-15514	00000/0000	1-10058/0250	05/10/77	10	4430	4855N 10041W	44.2	118.0	GGG			35	26
5752-15521	00000/0000	1-10058/0251	05/10/77	10	4430	4729N 10116W	44.5	116.2	GGG			35	27
5752-15523	00000/0000	1-10058/0252	05/10/77	20	4430	4603N 10150W	44.8	114.5	GGG			35	28
5752-15530	00000/0000	1-10058/0253	05/10/77	10	4430	4437N 10223W	45.1	112.7	GGG			35	29
5752-15532	00000/0000	1-10058/0254	05/10/77	10	4430	4311N 10256W	45.4	111.0	GGG			35	30
5752-15535	00000/0000	1-10058/0255	05/10/77	10	4430	4146N 10326W	45.6	109.2	GGG			35	31
5752-15541	00000/0000	1-10058/0256	05/10/77	10	4430	4020N 10356W	45.7	107.5	GGG			35	32
5752-15544	00000/0000	1-10058/0257	05/10/77	10	4430	3855N 10424W	45.9	105.7	GGG			35	33
5752-15550	00000/0000	1-10058/0258	05/10/77	30	4430	3730N 10452W	46.0	104.0	GGG			35	34
5752-15553	00000/0000	1-10058/0259	05/10/77	20	4430	3604N 10519W	46.0	102.3	GGG			35	35
5752-15555	00000/0000	1-10058/0260	05/10/77	10	4430	3438N 10545W	46.0	100.6	GGG			35	36
5752-15562	00000/0000	1-10058/0261	05/10/77	10	4430	3312N 10611W	46.0	98.9	GGG			35	37
5752-15564	00000/0000	1-10058/0262	05/10/77	10	4430	3145N 10636W	45.9	97.2	GGG			35	38
5752-15571	00000/0000	1-10058/0263	05/10/77	0	4430	3019N 10701W	45.8	95.6	GGG			35	39
5753-14140	00000/0000	1-10058/0171	05/11/77	10	4443	4856N 07618W	44.4	117.7	GGG			18	26
5753-14143	00000/0000	1-10058/0172	05/11/77	10	4443	4731N 07654W	44.7	116.0	GGG			18	27
5753-14145	00000/0000	1-10058/0173	05/11/77	0	4443	4605N 07728W	45.0	114.2	GGG			18	28
5753-14152	00000/0000	1-10058/0174	05/11/77	0	4443	4439N 07801W	45.3	112.4	GGG			18	29
5753-14154	00000/0000	1-10058/0175	05/11/77	10	4443	4312N 07833W	45.5	110.7	GGF			18	30
5753-14161	00000/0000	1-10058/0176	05/11/77	10	4443	4146N 07904W	45.7	108.9	GGG			18	31
5753-14163	00000/0000	1-10058/0177	05/11/77	10	4443	4021N 07933W	45.9	107.2	GGF			18	32
5753-14170	00000/0000	1-10058/0178	05/11/77	10	4443	3857N 08002W	46.0	105.4	GGF			18	33
5753-14172	00000/0000	1-10058/0179	05/11/77	10	4443	3732N 08030W	46.1	103.7	GGF			18	34
5753-14175	00000/0000	1-10058/0180	05/11/77	0	4443	3606N 08058W	46.1	102.0	GGG			18	35
5753-14181	00000/0000	1-10058/0181	05/11/77	0	4443	3440N 08125W	46.1	100.3	GGG			18	36
5753-14184	00000/0000	1-10058/0182	05/11/77	0	4443	3313N 08150W	46.1	98.6	GGF			18	37
5753-14190	00000/0000	1-10058/0183	05/11/77	10	4443	3147N 08215W	46.0	96.9	GGF			18	38
5753-14193	00000/0000	1-10058/0184	05/11/77	10	4443	3020N 08240W	45.9	95.2	GGF			18	39
5753-15572	00000/0000	1-10058/0264	05/11/77	10	4444	4856N 10204W	44.4	117.8	GGG			36	26
5753-15574	00000/0000	1-10058/0265	05/11/77	10	4444	4731N 10241W	44.7	116.0	GGG			36	27
5753-15581	00000/0000	1-10058/0266	05/11/77	10	4444	4606N 10317W	45.0	114.2	GGG			36	28
5753-15583	00000/0000	1-10058/0267	05/11/77	0	4444	4441N 10351W	45.3	112.5	GGG			36	29
5753-15590	00000/0000	1-10058/0268	05/11/77	0	4444	4316N 10423W	45.5	110.7	GGG			36	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0076

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5753-15592	00000/0000	1-10058/0269	05/11/77	0	4444	4151N 10454W	45.7	109.0	GGG				36	31
5753-15595	00000/0000	1-10058/0270	05/11/77	0	4444	4024N 10522W	45.9	107.2	GGG				36	32
5753-16001	00000/0000	1-10058/0271	05/11/77	0	4444	3856N 10550W	46.0	105.5	GGG				36	33
5753-16004	00000/0000	1-10058/0272	05/11/77	0	4444	3730N 10617W	46.1	103.7	GGG				36	34
5753-16010	00000/0000	1-10058/0273	05/11/77	10	4444	3605N 10643W	46.1	102.0	GGG				36	35
5753-16013	00000/0000	1-10058/0274	05/11/77	10	4444	3441N 10709W	46.1	100.3	GGG				36	36
5753-16015	00000/0000	1-10058/0275	05/11/77	0	4444	3314N 10735W	46.1	98.6	GGG				36	37
5753-16022	00000/0000	1-10058/0276	05/11/77	0	4444	3147N 10800W	46.0	96.9	GGG				36	38
5753-16024	00000/0000	1-10058/0277	05/11/77	0	4444	3020N 10825W	45.9	95.2	GGG				36	39
5754-14194	00000/0000	1-10058/0150	05/12/77	60	4457	4855N 07743W	44.5	117.5	GGG				19	26
5754-14201	00000/0000	1-10058/0151	05/12/77	70	4457	4731N 07820W	44.9	115.8	GGG				19	27
5754-14203	00000/0000	1-10058/0152	05/12/77	70	4457	4606N 07855W	45.2	114.0	GGG				19	28
5754-14210	00000/0000	1-10058/0153	05/12/77	20	4457	4441N 07928W	45.5	112.2	GGG				19	29
5754-14212	00000/0000	1-10058/0154	05/12/77	30	4457	4315N 07959W	45.7	110.4	GGG				19	30
5754-14215	00000/0000	1-10058/0155	05/12/77	70	4457	4149N 08029W	45.9	108.7	GGG				19	31
5754-14221	00000/0000	1-10058/0156	05/12/77	20	4457	4023N 08059W	46.0	106.9	GGG				19	32
5754-14224	00000/0000	1-10058/0157	05/12/77	10	4457	3857N 08127W	46.1	105.2	GGG				19	33
5754-14230	00000/0000	1-10058/0158	05/12/77	0	4457	3731N 08154W	46.2	103.4	GGG				19	34
5754-14233	00000/0000	1-10058/0159	05/12/77	10	4457	3605N 08222W	46.3	101.7	GGG				19	35
5754-14235	00000/0000	1-10058/0160	05/12/77	10	4457	3438N 08248W	46.3	100.0	GGG				19	36
5754-14242	00000/0000	1-10058/0161	05/12/77	20	4457	3312N 08314W	46.2	98.3	GGG				19	37
5754-14244	00000/0000	1-10058/0162	05/12/77	10	4457	3146N 08340W	46.1	96.6	GGG				19	38
5754-14251	00000/0000	1-10058/0163	05/12/77	10	4457	3021N 08404W	46.0	94.9	GGG				19	39
5754-14253	00000/0000	1-10058/0164	05/12/77	50	4457	2854N 08428W	45.9	93.3	GGG				19	40
5754-14260	00000/0000	1-10058/0165	05/12/77	90	4457	2728N 08452W	45.7	91.6	GFG				19	41
5754-16030	00000/0000	1-10058/0278	05/12/77	10	4458	4853N 10332W	44.6	117.5	GG				37	26
5754-16032	00000/0000	1-10058/0279	05/12/77	10	4458	4728N 10408W	44.9	115.7	GGG				37	27
5754-16035	00000/0000	1-10058/0280	05/12/77	10	4458	4604N 10442W	45.2	113.9	GGG				37	28
5754-16041	00000/0000	1-10058/0281	05/12/77	10	4458	4439N 10515W	45.5	112.2	GGG				37	29
5754-16044	00000/0000	1-10058/0282	05/12/77	20	4458	4314N 10547W	45.7	110.4	GGG				37	30
5754-16050	00000/0000	1-10058/0283	05/12/77	90	4458	4148N 10619W	45.9	108.6	GGG				37	31
5754-16053	00000/0000	1-10058/0284	05/12/77	70	4458	4021N 10648W	46.0	106.9	GGG				37	32
5754-16055	00000/0000	1-10058/0285	05/12/77	80	4458	3855N 10717W	46.2	105.1	GGG				37	33
5754-16062	00000/0000	1-10058/0286	05/12/77	30	4458	3729N 10745W	46.2	103.4	GGG				37	34
5754-16064	00000/0000	1-10058/0287	05/12/77	40	4458	3603N 10812W	46.3	101.7	GGG				37	35
5754-16071	00000/0000	1-10058/0288	05/12/77	40	4458	3438N 10838W	46.3	99.9	GGG				37	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5754-16073	00000/0000	1-10058/0289	05/12/77	20	4458	3312N	10902W	46.2	98.2	GGG			37	37
5754-16080	00000/0000	1-10058/0290	05/12/77	10	4458	3146N	10927W	46.1	96.5	GGG			37	38
5754-16082	00000/0000	1-10058/0291	05/12/77	10	4458	3021N	10951W	46.0	94.9	GGG			37	39
5755-14252	00000/0000	1-10058/0212	05/13/77	10	4471	4857N	07908W	44.7	117.3	GGG			20	26
5755-14255	00000/0000	1-10058/0213	05/13/77	70	4471	4732N	07945W	45.1	115.5	GGG			20	27
5755-14261	00000/0000	1-10058/0214	05/13/77	60	4471	4606N	08020W	45.4	113.7	GGG			20	28
5755-14264	00000/0000	1-10058/0215	05/13/77	70	4471	4441N	08054W	45.6	111.9	GGG			20	29
5755-14270	00000/0000	1-10058/0216	05/13/77	80	4471	4315N	08125W	45.8	110.1	GGG			20	30
5755-14273	00000/0000	1-10058/0217	05/13/77	30	4471	4148N	08154W	46.0	108.4	FGG			20	31
5755-14275	00000/0000	1-10058/0218	05/13/77	10	4471	4021N	08223W	46.2	106.6	GGG			20	32
5755-14282	00000/0000	1-10058/0219	05/13/77	10	4471	3854N	08252W	46.3	104.8	GGG			20	33
5755-14284	00000/0000	1-10058/0220	05/13/77	10	4471	3728N	08320W	46.3	103.1	GGG			20	34
5755-14291	00000/0000	1-10058/0221	05/13/77	0	4471	3602N	08348W	46.4	101.3	GGG			20	35
5755-14293	00000/0000	1-10058/0222	05/13/77	0	4471	3437N	08414W	46.4	99.6	GGG			20	36
5755-14300	00000/0000	1-10058/0223	05/13/77	0	4471	3311N	08440W	46.3	97.9	GGG			20	37
5755-14302	00000/0000	1-10058/0224	05/13/77	0	4471	3145N	08506W	46.2	96.2	GGG			20	38
5755-14305	00000/0000	1-10058/0225	05/13/77	10	4471	3019N	08530W	46.1	94.5	GGG			20	39
5755-14311	00000/0000	1-10058/0226	05/13/77	10	4471	2854N	08554W	45.9	92.9	GGG			20	40
5755-16084	00000/0000	1-10059/0116	05/13/77	10	4472	4854N	10500W	44.8	117.2	FGG			38	26
5755-16090	00000/0000	1-10059/0117	05/13/77	10	4472	4729N	10537W	45.1	115.4	GGG			38	27
5755-16093	00000/0000	1-10059/0118	05/13/77	20	4472	4603N	10611W	45.4	113.7	GGG			38	28
5755-16095	00000/0000	1-10059/0119	05/13/77	60	4472	4437N	10644W	45.6	111.9	GGG			38	29
5755-16102	00000/0000	1-10059/0120	05/13/77	70	4472	4312N	10716W	45.9	110.1	GGG			38	30
5755-19285	00000/0000	1-10058/0227	05/13/77	90	4474	6935N	14044W	36.3	147.3	GGG			75	11
5755-19292	00000/0000	1-10058/0228	05/13/77	10	4474	6815N	14233W	37.0	144.7	GGG			75	12
5756-14310	00000/0000	1-10058/0234	05/14/77	0	4485	4853N	08035W	44.9	117.1	FGG			21	26
5756-14312	00000/0000	1-10058/0235	05/14/77	0	4485	4729N	08112W	45.2	115.3	GGG			21	27
5756-14315	00000/0000	1-10058/0236	05/14/77	0	4485	4605N	08145W	45.5	113.5	GGG			21	28
5756-14321	00000/0000	1-10058/0237	05/14/77	10	4485	4441N	08218W	45.8	111.7	GGG			21	29
5756-14324	00000/0000	1-10058/0238	05/14/77	10	4485	4315N	08249W	46.0	109.9	GGG			21	30
5756-14330	00000/0000	1-10058/0239	05/14/77	10	4485	4149N	08321W	46.2	108.1	GGG			21	31
5756-14333	00000/0000	1-10058/0240	05/14/77	10	4485	4022N	08351W	46.3	106.3	GGG			21	32
5756-14335	00000/0000	1-10058/0241	05/14/77	10	4485	3856N	08420W	46.4	104.6	GGG			21	33
5756-14342	00000/0000	1-10058/0242	05/14/77	30	4485	3730N	08448W	46.5	102.8	GGG			21	34
5756-14344	00000/0000	1-10058/0243	05/14/77	40	4485	3605N	08515W	46.5	101.1	GGG			21	35
5756-14351	00000/0000	1-10058/0244	05/14/77	30	4485	3439N	08541W	46.5	99.3	GGG			21	36

KEYS: CLOUD COVER % 0 TO 100 = X CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5756-14353	00000/0000	1-10058/0245	05/14/77	50	4485	3314N	08607W	46.4	97.6	GGG			21	37
5756-14360	00000/0000	1-10058/0246	05/14/77	10	4485	3149N	08633W	46.3	95.9	GGG			21	38
5756-14362	00000/0000	1-10058/0247	05/14/77	10	4485	3024N	08657W	46.2	94.2	FGG			21	39
5756-14365	00000/0000	1-10058/0248	05/14/77	10	4485	2859N	08721W	46.0	92.6	FGG			21	40
5756-14371	00000/0000	1-10058/0249	05/14/77	10	4485	2732N	08745W	45.8	91.0	GGG			21	41
5756-16142	00000/0000	1-10058/0229	05/14/77	10	4486	4854N	10624W	44.9	117.0	GGG			39	26
5756-16144	00000/0000	1-10058/0230	05/14/77	10	4486	4729N	10700W	45.2	115.2	GGG			39	27
5756-16151	00000/0000	1-10058/0231	05/14/77	10	4486	4604N	10735W	45.5	113.4	GGG			39	28
5756-16153	00000/0000	1-10058/0232	05/14/77	10	4486	4438N	10808W	45.8	111.6	FFF			39	29
5756-16160	00000/0000	1-10058/0233	05/14/77	90	4486	4313N	10840W	46.0	109.9	GGG			39	30
5756-19343	00000/0000	1-10059/0012	05/14/77	50	4488	6936N	14211W	36.5	147.2	GGG			76	11
5757-14373	00000/0000	1-10058/0292	05/15/77	10	4499	4602N	08312W	45.7	113.2	GGG			22	28
5757-14375	00000/0000	1-10058/0293	05/15/77	10	4499	4437N	08345W	45.9	111.4	GGG			22	29
5757-14382	00000/0000	1-10058/0294	05/15/77	10	4499	4312N	08415W	46.1	109.6	GGG			22	30
5757-14384	00000/0000	1-10058/0295	05/15/77	0	4499	4147N	08445W	46.3	107.8	GGG			22	31
5757-14391	00000/0000	1-10058/0296	05/15/77	0	4499	4021N	08516W	46.4	106.0	GGG			22	32
5757-14393	00000/0000	1-10058/0297	05/15/77	0	4499	3855N	08546W	46.5	104.2	GGG			22	33
5757-14400	00000/0000	1-10058/0298	05/15/77	0	4499	3728N	08615W	46.6	102.5	GGG			22	34
5757-14402	00000/0000	1-10058/0299	05/15/77	10	4499	3603N	08642W	46.6	100.7	GGG			22	35
5757-14405	00000/0000	1-10058/0300	05/15/77	10	4499	3438N	08708W	46.6	99.0	GGG			22	36
5757-14411	00000/0000	1-10058/0301	05/15/77	10	4499	3314N	08734W	46.5	97.3	GGG			22	37
5757-14414	00000/0000	1-10058/0302	05/15/77	10	4499	3149N	08759W	46.4	95.6	GGG			22	38
5757-14420	00000/0000	1-10058/0303	05/15/77	10	4499	3023N	08823W	46.3	93.9	GGG			22	39
5757-14423	00000/0000	1-10058/0304	05/15/77	10	4499	2855N	08846W	46.1	92.2	GGG			22	40
5757-14425	00000/0000	1-10058/0305	05/15/77	10	4499	2728N	08909W	45.9	90.6	GGG			22	41
5757-16195	00000/0000	1-10058/0198	05/15/77	100	4500	4852N	10751W	45.1	116.8	GGG			40	26
5757-16202	00000/0000	1-10058/0199	05/15/77	100	4500	4727N	10827W	45.4	115.0	GGG			40	27
5757-16204	00000/0000	1-10058/0200	05/15/77	100	4500	4602N	10902W	45.7	113.1	GGG			40	28
5757-16211	00000/0000	1-10058/0201	05/15/77	80	4500	4437N	10935W	45.9	111.3	GGG			40	29
5757-16213	00000/0000	1-10058/0202	05/15/77	40	4500	4312N	11006W	46.1	109.6	GGG			40	30
5757-16220	00000/0000	1-10058/0203	05/15/77	10	4500	4146N	11037W	46.3	107.8	GGG			40	31
5757-16222	00000/0000	1-10058/0204	05/15/77	40	4500	4020N	11106W	46.4	106.0	GGG			40	32
5757-16225	00000/0000	1-10058/0205	05/15/77	70	4500	3854N	11135W	46.5	104.2	GGG			40	33
5757-16231	00000/0000	1-10058/0206	05/15/77	50	4500	3727N	11204W	46.6	102.4	GGG			40	34
5757-16234	00000/0000	1-10058/0207	05/15/77	10	4500	3602N	11231W	46.6	100.7	GGG			40	35
5757-16240	00000/0000	1-10058/0208	05/15/77	10	4500	3436N	11258W	46.6	99.0	GGG			40	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5757-16243	00000/0000	1-10058/0209	05/15/77	0	4500	3311N	11324W	46.5	97.2	GGG			40	37
5757-16245	00000/0000	1-10058/0210	05/15/77	0	4500	3145N	11348W	46.4	95.5	GGG			40	38
5757-16252	00000/0000	1-10058/0211	05/15/77	10	4500	3019N	11411W	46.3	93.8	FGG			40	39
5757-19404	00000/0000	1-10058/0333	05/15/77	80	4502	6816N	14525W	37.5	144.5	GGG			77	12
5757-19410	00000/0000	1-10058/0334	05/15/77	50	4502	6656N	14705W	38.2	142.1	GGG			77	13
5757-19413	00000/0000	1-10058/0335	05/15/77	50	4502	6535N	14834W	38.9	139.9	GGG			77	14
5757-19415	00000/0000	1-10058/0336	05/15/77	70	4502	6414N	14954W	39.5	137.7	GGG			77	15
5757-19422	00000/0000	1-10058/0337	05/15/77	80	4502	6252N	15108W	40.2	135.6	GGG			77	16
5758-14431	00000/0000	1-10058/0306	05/16/77	40	4513	4601N	08439W	45.8	112.9	GGG			23	28
5758-14433	00000/0000	1-10058/0307	05/16/77	30	4513	4436N	08512W	46.1	111.1	GGG			23	29
5758-14440	00000/0000	1-10058/0308	05/16/77	10	4513	4311N	08543W	46.3	109.3	GGG			23	30
5758-14442	00000/0000	1-10058/0309	05/16/77	10	4513	4146N	08613W	46.4	107.5	GGG			23	31
5758-14445	00000/0000	1-10058/0310	05/16/77	10	4513	4021N	08643W	46.6	105.7	GGG			23	32
5758-14451	00000/0000	1-10058/0311	05/16/77	20	4513	3855N	08713W	46.7	103.9	GGG			23	33
5758-14454	00000/0000	1-10058/0312	05/16/77	10	4513	3729N	08741W	46.7	102.2	GGG			23	34
5758-14460	00000/0000	1-10058/0313	05/16/77	10	4513	3603N	08808W	46.7	100.4	GGG			23	35
5758-14463	00000/0000	1-10058/0314	05/16/77	10	4513	3437N	08835W	46.7	98.7	GGG			23	36
5758-14465	00000/0000	1-10058/0315	05/16/77	10	4513	3311N	08901W	46.6	96.9	GGG			23	37
5758-14472	00000/0000	1-10058/0316	05/16/77	10	4513	3145N	08925W	46.5	95.2	GGG			23	38
5758-14474	00000/0000	1-10058/0317	05/16/77	10	4513	3019N	08949W	46.3	93.5	GGG			23	39
5758-14481	00000/0000	1-10058/0318	05/16/77	10	4513	2852N	09013W	46.1	91.9	FGG			23	40
5758-16285	00000/0000	1-10058/0343	05/16/77	60	4514	3730N	11328W	46.7	102.2	GGG			41	34
5758-16292	00000/0000	1-10058/0344	05/16/77	10	4514	3603N	11355W	46.7	100.4	GGG			41	35
5758-16294	00000/0000	1-10058/0345	05/16/77	10	4514	3437N	11421W	46.7	98.7	GGG			41	36
5758-16301	00000/0000	1-10058/0346	05/16/77	0	4514	3312N	11447W	46.6	97.0	GGG			41	37
5758-16303	00000/0000	1-10058/0347	05/16/77	10	4514	3147N	11512W	46.5	95.3	GGG			41	38
5758-19452	00000/0000	1-10058/0338	05/16/77	70	4516	7055N	14303W	36.2	149.8	GGG			78	10
5758-19461	00000/0000	1-10058/0339	05/16/77	80	4516	6819N	14654W	37.7	144.5	GGG			78	12
5758-19464	00000/0000	1-10058/0340	05/16/77	70	4516	6659N	14832W	38.4	142.1	GGG			78	13
5758-19470	00000/0000	1-10058/0341	05/16/77	70	4516	6538N	15001W	39.1	139.8	GGG			78	14
5758-19473	00000/0000	1-10058/0342	05/16/77	60	4516	6417N	15120W	39.7	137.6	GGG			78	15
5759-14482	00000/0000	1-10058/0319	05/17/77	40	4527	4729N	08530W	45.7	114.5	FGG			24	27
5759-14485	00000/0000	1-10058/0320	05/17/77	40	4527	4605N	08605W	46.0	112.7	GGG			24	28
5759-14491	00000/0000	1-10058/0321	05/17/77	80	4527	4440N	08638W	46.2	110.9	GGG			24	29
5759-14494	00000/0000	1-10058/0322	05/17/77	70	4527	4314N	08710W	46.4	109.1	GGG			24	30
5759-14500	00000/0000	1-10058/0323	05/17/77	30	4527	4148N	08740W	46.6	107.3	GGG			24	31

KEYS: CLOUD COVER x 0 TO 100 = x CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG							
5759-14503	00000/0000	1-10058/0324	05/17/77	20	4527	4022N	08809W	46.7	105.5		GGG		24	32
5759-14505	00000/0000	1-10058/0325	05/17/77	30	4527	3856N	08838W	46.8	103.7		GGG		24	33
5759-14512	00000/0000	1-10058/0326	05/17/77	20	4527	3731N	08905W	46.8	101.9		GGG		24	34
5759-14514	00000/0000	1-10058/0327	05/17/77	20	4527	3605N	08932W	46.8	100.1		GGG		24	35
5759-14521	00000/0000	1-10058/0328	05/17/77	40	4527	3439N	08957W	46.8	98.4		GGG		24	36
5759-14523	00000/0000	1-10058/0329	05/17/77	50	4527	3314N	09023W	46.7	96.7		GGG		24	37
5759-14530	00000/0000	1-10058/0330	05/17/77	50	4527	3149N	09049W	46.6	95.0		GGG		24	38
5759-14532	00000/0000	1-10058/0331	05/17/77	40	4527	3021N	09114W	46.4	93.3		GGG		24	39
5759-14535	00000/0000	1-10058/0332	05/17/77	30	4527	2854N	09139W	46.2	91.6		GGG		24	40
5759-16341	00000/0000	1-10058/0348	05/17/77	70	4528	3856N	11428W	46.8	103.6		FGG		42	33
5759-16343	00000/0000	1-10058/0349	05/17/77	20	4528	3730N	11455W	46.8	101.9		FGG		42	34
5759-16350	00000/0000	1-10058/0350	05/17/77	10	4528	3604N	11521W	46.8	100.1		GGF		42	35
5759-16352	00000/0000	1-10058/0351	05/17/77	10	4528	3438N	11546W	46.8	98.4		GGF		42	36
5759-16355	00000/0000	1-10058/0352	05/17/77	10	4528	3313N	11612W	46.7	96.6		GGF		42	37
5759-16361	00000/0000	1-10058/0353	05/17/77	20	4528	3147N	11637W	46.6	94.9		GFQ		42	38
5759-18113	00000/0000	1-10059/0013	05/17/77	10	4529	5845N	13114W	42.3	129.4		GGG		60	19
5759-18120	00000/0000	1-10059/0014	05/17/77	0	4529	5722N	13208W	42.9	127.5		GGG		60	20
5759-18122	00000/0000	1-10059/0015	05/17/77	0	4529	5558N	13258W	43.4	125.6		GGG		60	21
5759-18125	00000/0000	1-10059/0016	05/17/77	10	4529	5434N	13344W	43.9	123.7		GFQ		60	22
5759-18131	00000/0000	1-10059/0017	05/17/77	20	4529	5310N	13428W	44.3	121.9		GGG		60	23
5761-16452	00000/0000	1-10059/0018	05/19/77	10	4556	3857N	11720W	47.0	103.1		GGF		44	33
5761-16455	00000/0000	1-10059/0019	05/19/77	10	4556	3731N	11748W	47.0	101.3		GGG		44	34
5761-16461	00000/0000	1-10059/0020	05/19/77	20	4556	3605N	11815W	47.0	99.5		GGG		44	35
5761-16464	00000/0000	1-10059/0021	05/19/77	20	4556	3439N	11842W	46.9	97.8		GGG		44	36
5761-16470	00000/0000	1-10059/0022	05/19/77	40	4556	3313N	11907W	46.8	96.0		GGF		44	37
5762-16510	00000/0000	1-10059/0023	05/20/77	10	4570	3856N	11847W	47.1	102.8		GGG		45	33
5762-16513	00000/0000	1-10059/0024	05/20/77	10	4570	3730N	11915W	47.1	101.0		GGG		45	34
5762-16515	00000/0000	1-10059/0025	05/20/77	0	4570	3605N	11942W	47.1	99.2		GGG		45	35
5762-16522	00000/0000	1-10059/0026	05/20/77	10	4570	3440N	12008W	47.0	97.5		GGG		45	36
5763-13274	00000/0000	1-10059/0179	05/21/77	10	4582	4731N	06526W	46.3	113.6		GGG		10	27
5763-13280	00000/0000	1-10059/0180	05/21/77	10	4582	4606N	06600W	46.5	111.7		GGG		10	28
5763-13283	00000/0000	1-10059/0181	05/21/77	10	4582	4440N	06633W	46.7	109.9		GGG		10	29
5763-13285	00000/0000	1-10059/0182	05/21/77	10	4582	4313N	06704W	46.9	108.0		GGG		10	30
5763-16555	00000/0000	1-10059/0030	05/21/77	50	4584	4146N	11915W	47.0	106.1		G		46	31
5763-16562	00000/0000	1-10059/0031	05/21/77	20	4584	4021N	11944W	47.1	104.3		GG		46	32
5763-16564	00000/0000	1-10059/0032	05/21/77	10	4584	3855N	12012W	47.2	102.5		GF		46	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS		
5763-16571	00000/0000	1-10059/0027	05/21/77	10	4584	3729N	12040W	47.2	100.7		FFG	46	34
5763-16573	00000/0000	1-10059/0028	05/21/77	20	4584	3603N	12108W	47.1	98.9		FGG	46	35
5763-16580	00000/0000	1-10059/0029	05/21/77	80	4584	3437N	12134W	47.1	97.2		GGG	46	36
5763-20161	00000/0000	1-10059/0591	05/21/77	10	4586	6255N	15946W	41.3	134.8		GGG	83	16
5763-20163	00000/0000	1-10059/0592	05/21/77	10	4586	6132N	16054W	41.9	132.7		GGG	83	17
5763-20170	00000/0000	1-10059/0593	05/21/77	10	4586	6009N	16157W	42.5	130.7		GGG	83	18
5763-20172	00000/0000	1-10059/0594	05/21/77	10	4586	5845N	16254W	43.1	128.7		GGG	83	19
5764-13343	00000/0000	1-10059/0121	05/22/77	0	4596	4314N	06833W	47.0	107.8		GGG	11	30
5764-13350	00000/0000	1-10059/0122	05/22/77	10	4596	4149N	06904W	47.1	105.9		GGF	11	31
5764-13352	00000/0000	1-10059/0123	05/22/77	10	4596	4023N	06933W	47.2	104.1		GGF	11	32
5764-13355	00000/0000	1-10059/0124	05/22/77	10	4596	3857N	07002W	47.2	102.3		GGF	11	33
5764-15193	00000/0000	1-10059/0107	05/22/77	10	4597	3730N	09618W	47.2	100.4		GGG	29	34
5764-15195	00000/0000	1-10059/0108	05/22/77	10	4597	3603N	09645W	47.2	98.7		GGG	29	35
5764-15202	00000/0000	1-10059/0109	05/22/77	40	4597	3436N	09711W	47.1	96.9		GGG	29	36
5764-15204	00000/0000	1-10059/0110	05/22/77	40	4597	3310N	09737W	47.0	95.1		GGG	29	37
5764-15211	00000/0000	1-10059/0111	05/22/77	70	4597	3145N	09802W	46.9	93.4		GGG	29	38
5764-15213	00000/0000	1-10059/0112	05/22/77	90	4597	3020N	09826W	46.7	91.7		GGG	29	39
5764-15220	00000/0000	1-10059/0113	05/22/77	90	4597	2855N	09848W	46.4	90.1		GGG	29	40
5764-15222	00000/0000	1-10059/0114	05/22/77	90	4597	2728N	09911W	46.1	88.4		GGG	29	41
5764-15225	00000/0000	1-10059/0115	05/22/77	80	4597	2602N	09935W	45.8	86.8		GGG	29	42
5764-16593	00000/0000	1-10059/0033	05/22/77	10	4598	4852N	11750W	46.1	115.1		GGG	47	26
5764-16595	00000/0000	1-10059/0034	05/22/77	10	4598	4727N	11828W	46.4	113.2		GGG	47	27
5764-17002	00000/0000	1-10059/0035	05/22/77	10	4598	4601N	11904W	46.6	111.4		GGG	47	28
5764-17004	00000/0000	1-10059/0036	05/22/77	20	4598	4435N	11938W	46.8	109.6		GGG	47	29
5764-17011	00000/0000	1-10059/0037	05/22/77	40	4598	4309N	12010W	47.0	107.7		GGG	47	30
5764-17013	00000/0000	1-10059/0038	05/22/77	70	4598	4143N	12041W	47.1	105.8		GGG	47	31
5764-17020	00000/0000	1-10059/0039	05/22/77	70	4598	4018N	12110W	47.2	104.0		GGG	47	32
5764-17022	00000/0000	1-10059/0040	05/22/77	90	4598	3853N	12139W	47.2	102.2		GGG	47	33
5764-17025	00000/0000	1-10059/0041	05/22/77	90	4598	3728N	12207W	47.2	100.4		GGG	47	34
5764-17031	00000/0000	1-10059/0042	05/22/77	90	4598	3603N	12234W	47.2	98.6		GGG	47	35
5764-17034	00000/0000	1-10059/0043	05/22/77	90	4598	3437N	12301W	47.1	96.8		GGG	47	36
5764-20212	00000/0000	1-10059/0595	05/22/77	10	4600	6414N	15958W	40.9	136.8		FGG	84	15
5764-20215	00000/0000	1-10059/0596	05/22/77	10	4600	6251N	16111W	41.5	134.6		GGG	84	16
5764-20221	00000/0000	1-10059/0597	05/22/77	30	4600	6129N	16218W	42.1	132.5		GGG	84	17
5764-20224	00000/0000	1-10059/0598	05/22/77	40	4600	6006N	16319W	42.7	130.5		GGG	83	18
5764-20230	00000/0000	1-10059/0599	05/22/77	70	4600	5843N	16416W	43.2	128.5		GGG	83	19

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5765-13390	00000/0000	1-10059/0183	05/23/77	10	4610	4728N	06817W	46.5	113.1		GGG			12	27
5765-13392	00000/0000	1-10059/0184	05/23/77	10	4610	4603N	06852W	46.7	111.2		GGG			12	28
5765-13395	00000/0000	1-10059/0185	05/23/77	10	4610	4438N	06926W	46.9	109.3		GGG			12	29
5765-13401	00000/0000	1-10059/0186	05/23/77	0	4610	4313N	06958W	47.1	107.5		GGG			12	30
5765-13404	00000/0000	1-10059/0187	05/23/77	10	4610	4147N	07029W	47.2	105.6		GGG			12	31
5765-13410	00000/0000	1-10059/0188	05/23/77	10	4610	4022N	07059W	47.3	103.8		GGG			12	32
5765-13413	00000/0000	1-10059/0189	05/23/77	10	4610	3856N	07127W	47.3	102.0		GGG			12	33
5765-13415	00000/0000	1-10059/0190	05/23/77	30	4610	3730N	07155W	47.3	100.2		GGG			12	34
5765-15230	00000/0000	1-10059/0044	05/23/77	10	4611	4436N	09515W	46.9	109.3		GGG			30	29
5765-15233	00000/0000	1-10059/0045	05/23/77	0	4611	4311N	09547W	47.1	107.5		GGG			30	30
5765-15235	00000/0000	1-10059/0046	05/23/77	10	4611	4145N	09617W	47.2	105.6		GGG			30	31
5765-15242	00000/0000	1-10059/0047	05/23/77	10	4611	4019N	09647W	47.3	103.8		GGG			30	32
5765-15244	00000/0000	1-10059/0048	05/23/77	30	4611	3854N	09716W	47.3	102.0		GGG			30	33
5765-15251	00000/0000	1-10059/0049	05/23/77	50	4611	3728N	09744W	47.3	100.2		GGG			30	34
5765-15253	00000/0000	1-10059/0050	05/23/77	60	4611	3602N	09811W	47.3	98.4		GGG			30	35
5765-15260	00000/0000	1-10059/0051	05/23/77	50	4611	3437N	09838W	47.2	96.6		GGG			30	36
5765-15262	00000/0000	1-10059/0052	05/23/77	40	4611	3312N	09904W	47.1	94.8		GGG			30	37
5765-20245	00000/0000	1-10059/0272	05/23/77	90	4614	7054N	15302W	37.6	149.2		GGG			85	10
5765-20252	00000/0000	1-10059/0273	05/23/77	90	4614	6937N	15505W	38.3	146.3		GGG			85	11
5765-20254	00000/0000	1-10059/0274	05/23/77	30	4614	6818N	15655W	39.0	143.7		GGG			85	12
5765-20261	00000/0000	1-10059/0275	05/23/77	30	4614	6659N	15833W	39.7	141.3		GGG			85	13
5765-20263	00000/0000	1-10059/0276	05/23/77	30	4614	6538N	16002W	40.4	138.9		GGG			85	14
5765-20270	00000/0000	1-10059/0277	05/23/77	10	4614	6416N	16122W	41.0	136.7		GGG			85	15
5765-20272	00000/0000	1-10059/0278	05/23/77	50	4614	6253N	16234W	41.7	134.5		GGG			85	16
5765-20275	00000/0000	1-10059/0279	05/23/77	30	4614	6130N	16341W	42.3	132.4		GGG			84	17
5766-13444	00000/0000	1-10059/0125	05/24/77	10	4624	4727N	06944W	46.6	112.8		GGG			13	27
5766-13450	00000/0000	1-10059/0126	05/24/77	10	4624	4602N	07019W	46.8	110.9		GGG			13	28
5766-13453	00000/0000	1-10059/0127	05/24/77	10	4624	4437N	07052W	47.0	109.1		GGG			13	29
5766-13455	00000/0000	1-10059/0128	05/24/77	10	4624	4312N	07124W	47.2	107.2		GGG			13	30
5766-13462	00000/0000	1-10059/0129	05/24/77	10	4624	4147N	07155W	47.3	105.4		GGG			13	31
5766-13464	00000/0000	1-10059/0130	05/24/77	20	4624	4021N	07226W	47.4	103.5		GGG			13	32
5766-13471	00000/0000	1-10059/0131	05/24/77	30	4624	3855N	07255W	47.4	101.7		GGG			13	33
5766-15273	00000/0000	1-10059/0053	05/24/77	20	4625	4853N	09455W	46.3	114.7		GGG			31	26
5766-15275	00000/0000	1-10059/0054	05/24/77	10	4625	4728N	09531W	46.6	112.9		GGG			31	27
5766-15282	00000/0000	1-10059/0055	05/24/77	10	4625	4604N	09605W	46.8	111.0		GGG			31	28
5766-15284	00000/0000	1-10059/0056	05/24/77	10	4625	4439N	09639W	47.0	109.1		GGG			31	29

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5766-15291	00000/0000	1-10059/0057	05/24/77	10	4625	4313N 09712W	47.2	107.3		GGG		31	30
5766-15293	00000/0000	1-10059/0058	05/24/77	10	4625	4147N 09742W	47.3	105.4		GGG		31	31
5766-15300	00000/0000	1-10059/0059	05/24/77	10	4625	4021N 09812W	47.4	103.6		GGG		31	32
5766-15302	00000/0000	1-10059/0060	05/24/77	10	4625	3856N 09841W	47.4	101.7		GGG		31	33
5766-20310	00000/0000	1-10059/0600	05/24/77	60	4628	6934N 15631W	38.5	146.2		GGG		86	11
5766-20312	00000/0000	1-10059/0601	05/24/77	0	4628	6816N 15820W	39.2	143.6		GGG		86	12
5766-20315	00000/0000	1-10059/0602	05/24/77	10	4628	6656N 15959W	39.9	141.1		GGG		86	13
5766-20321	00000/0000	1-10059/0603	05/24/77	20	4628	6535N 16128W	40.6	138.8		GGG		86	14
5766-20324	00000/0000	1-10059/0604	05/24/77	10	4628	6414N 16248W	41.2	136.5		GGG		86	15
5766-20330	00000/0000	1-10059/0605	05/24/77	30	4628	6252N 16401W	41.8	134.3		GGG		86	16
5767-15331	00000/0000	1-10059/0172	05/25/77	0	4639	4854N 09622W	46.5	114.5		GGG		32	26
5767-15333	00000/0000	1-10059/0173	05/25/77	0	4639	4728N 09657W	46.7	112.6		GGG		32	27
5767-15340	00000/0000	1-10059/0174	05/25/77	0	4639	4603N 09732W	46.9	110.7		GGG		32	28
5767-15342	00000/0000	1-10059/0175	05/25/77	10	4639	4438N 09805W	47.1	108.9		GGG		32	29
5767-15345	00000/0000	1-10059/0176	05/25/77	40	4639	4312N 09838W	47.3	107.0		FGG		32	30
5767-15351	00000/0000	1-10059/0177	05/25/77	70	4639	4146N 09909W	47.4	105.1		GGG		32	31
5767-15354	00000/0000	1-10059/0178	05/25/77	90	4639	4020N 09939W	47.4	103.3		GGG		32	32
5767-20373	00000/0000	1-10059/0102	05/25/77	40	4642	6654N 16127W	40.1	141.0		GGG		87	13
5767-20375	00000/0000	1-10059/0103	05/25/77	50	4642	6535N 16255W	40.7	138.6		GGG		87	14
5767-20382	00000/0000	1-10059/0104	05/25/77	50	4642	6413N 16416W	41.4	136.3		GGG		87	15
5767-20391	00000/0000	1-10059/0105	05/25/77	100	4642	6129N 16637W	42.6	132.1		GGG		87	17
5767-20393	00000/0000	1-10059/0106	05/25/77	100	4642	6006N 16739W	43.2	130.0		GGG		86	18
5768-13555	00000/0000	1-10059/0155	05/26/77	0	4652	4729N 07237W	46.8	112.4		GGG		15	27
5768-13562	00000/0000	1-10059/0156	05/26/77	0	4652	4605N 07312W	47.0	110.5		GGG		15	28
5768-13564	00000/0000	1-10059/0157	05/26/77	10	4652	4439N 07345W	47.2	108.6		GGG		15	29
5768-13571	00000/0000	1-10059/0158	05/26/77	10	4652	4312N 07416W	47.3	106.8		GGG		15	30
5768-13573	00000/0000	1-10059/0159	05/26/77	10	4652	4146N 07447W	47.4	104.9		GGG		15	31
5768-13580	00000/0000	1-10059/0160	05/26/77	0	4652	4020N 07516W	47.5	103.1		GGG		15	32
5768-13582	00000/0000	1-10059/0161	05/26/77	10	4652	3855N 07545W	47.5	101.2		GGG		15	33
5768-13585	00000/0000	1-10059/0162	05/26/77	60	4652	3729N 07612W	47.5	99.4		GGG		15	34
5768-13591	00000/0000	1-10059/0163	05/26/77	90	4652	3603N 07639W	47.4	97.6		GGG		15	35
5768-13594	00000/0000	1-10059/0164	05/26/77	50	4652	3437N 07705W	47.3	95.8		GGG		15	36
5768-14000	00000/0000	1-10059/0165	05/26/77	50	4652	3312N 07730W	47.2	94.1		GGG		15	37
5768-14003	00000/0000	1-10059/0166	05/26/77	90	4652	3147N 07755W	47.0	92.4		GGG		15	38
5768-14005	00000/0000	1-10059/0167	05/26/77	70	4652	3021N 07819W	46.8	90.7		GGG		15	39
5768-14012	00000/0000	1-10059/0168	05/26/77	40	4652	2855N 07843W	46.5	89.0		GGG		15	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5768-14014	00000/0000	1-10059/0169	05/26/77	30	4652	2729N	07906W	46.2	87.4		GGG			15	41
5768-14021	00000/0000	1-10059/0170	05/26/77	30	4652	2602N	07929W	45.9	85.8		GGG			15	42
5768-14023	00000/0000	1-10059/0171	05/26/77	50	4652	2436N	07953W	45.5	84.2		GGG			15	43
5768-15384	00000/0000	1-10059/0280	05/26/77	40	4653	4852N	09750W	46.6	114.2		GGG			33	26
5768-15391	00000/0000	1-10059/0281	05/26/77	80	4653	4726N	09825W	46.8	112.4		GGG			33	27
5768-15393	00000/0000	1-10059/0282	05/26/77	60	4653	4600N	09900W	47.0	110.5		GGG			33	28
5768-15400	00000/0000	1-10059/0283	05/26/77	30	4653	4435N	09933W	47.2	108.6		GGG			33	29
5768-15402	00000/0000	1-10059/0284	05/26/77	30	4653	4310N	10005W	47.4	106.7		GGG			33	30
5768-15405	00000/0000	1-10059/0285	05/26/77	40	4653	4145N	10035W	47.4	104.9		GGG			33	31
5768-15411	00000/0000	1-10059/0286	05/26/77	40	4653	4020N	10105W	47.5	103.0		GGG			33	32
5768-15414	00000/0000	1-10059/0287	05/26/77	50	4653	3854N	10135W	47.5	101.2		GGG			33	33
5768-15420	00000/0000	1-10059/0288	05/26/77	30	4653	3729N	10203W	47.5	99.4		GGG			33	34
5768-15423	00000/0000	1-10059/0289	05/26/77	30	4653	3604N	10230W	47.4	97.6		GGG			33	35
5768-15425	00000/0000	1-10059/0290	05/26/77	80	4653	3438N	10257W	47.3	95.8		GGG			33	36
5768-15432	00000/0000	1-10059/0291	05/26/77	90	4653	3313N	10323W	47.2	94.0		GGG			33	37
5768-15434	00000/0000	1-10059/0292	05/26/77	90	4653	3147N	10348W	47.0	92.3		GGG			33	38
5768-15441	00000/0000	1-10059/0293	05/26/77	70	4653	3021N	10413W	46.8	90.6		GGG			33	39
5768-15443	00000/0000	1-10059/0294	05/26/77	40	4653	2854N	10436W	46.5	89.0		GGG			33	40
5768-15450	00000/0000	1-10059/0295	05/26/77	20	4653	2726N	10459W	46.2	87.3		GGG			33	41
5768-20415	00000/0000	1-10059/0149	05/26/77	90	4656	7050N	15725W	38.1	148.7		GGG			88	10
5768-20422	00000/0000	1-10059/0150	05/26/77	90	4656	6932N	15928W	38.8	145.9		GGG			88	11
5768-20424	00000/0000	1-10059/0151	05/26/77	90	4656	6814N	16117W	39.5	143.3		GGG			88	12
5768-20431	00000/0000	1-10059/0152	05/26/77	50	4656	6654N	16254W	40.2	140.8		GGG			88	13
5768-20433	00000/0000	1-10059/0153	05/26/77	40	4656	6533N	16423W	40.9	138.4		GGG			88	14
5768-20440	00000/0000	1-10059/0154	05/26/77	90	4656	6412N	16543W	41.5	136.2		GGG			88	15
5769-14013	00000/0000	1-10059/0061	05/27/77	70	4666	4727N	07404W	46.9	112.1		GGG			16	27
5769-14020	00000/0000	1-10059/0062	05/27/77	90	4666	4602N	07439W	47.1	110.2		GGG			16	28
5769-14022	00000/0000	1-10059/0063	05/27/77	40	4666	4437N	07513W	47.3	108.4		GGG			16	29
5769-14025	00000/0000	1-10059/0064	05/27/77	10	4666	4311N	07545W	47.4	106.5		GGG			16	30
5769-14031	00000/0000	1-10059/0065	05/27/77	10	4666	4146N	07615W	47.5	104.6		GGG			16	31
5769-14034	00000/0000	1-10059/0066	05/27/77	0	4666	4021N	07644W	47.6	102.8		GGG			16	32
5769-14040	00000/0000	1-10059/0067	05/27/77	10	4666	3855N	07712W	47.6	100.9		GGG			16	33
5769-14043	00000/0000	1-10059/0068	05/27/77	10	4666	3729N	07739W	47.5	99.1		GGG			16	34
5769-14045	00000/0000	1-10059/0069	05/27/77	30	4666	3603N	07805W	47.5	97.3		GGG			16	35
5769-14052	00000/0000	1-10059/0070	05/27/77	40	4666	3438N	07830W	47.4	95.5		GGG			16	36
5769-14054	00000/0000	1-10059/0071	05/27/77	30	4666	3313N	07856W	47.2	93.8		GGG			16	37

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5769-14061	00000/0000	1-10059/0072	05/27/77	70	4666	3147N	07922W	47.0	92.1		GGG			16	38
5769-14063	00000/0000	1-10059/0073	05/27/77	40	4666	3021N	07947W	46.8	90.4		GGG			16	39
5769-14070	00000/0000	1-10059/0074	05/27/77	20	4666	2855N	08012W	46.5	88.7		GGG			16	40
5769-14072	00000/0000	1-10059/0075	05/27/77	10	4666	2729N	08036W	46.2	87.1		GGG			16	41
5769-14075	00000/0000	1-10059/0076	05/27/77	20	4666	2602N	08059W	45.9	85.5		GGG			16	42
5769-15442	00000/0000	1-10059/0146	05/27/77	70	4667	4854N	09917W	46.7	114.1		GGG			34	26
5769-15445	00000/0000	1-10059/0147	05/27/77	80	4667	4729N	09953W	46.9	112.2		GGG			34	27
5769-15451	00000/0000	1-10059/0148	05/27/77	70	4667	4604N	10027W	47.1	110.3		GGG			34	28
5769-15495	00000/0000	1-10059/0191	05/27/77	20	4667	3021N	10538W	46.8	90.4		GGG			34	39
5769-15501	00000/0000	1-10059/0192	05/27/77	10	4667	2854N	10601W	46.5	88.7		GGG			34	40
5770-14071	00000/0000	1-10059/0077	05/28/77	90	4680	4729N	07532W	47.0	112.0		GGG			17	27
5770-14074	00000/0000	1-10059/0078	05/28/77	90	4680	4605N	07607W	47.2	110.1		GGG			17	28
5770-14080	00000/0000	1-10059/0079	05/28/77	70	4680	4440N	07640W	47.4	108.2		GGG			17	29
5770-14083	00000/0000	1-10059/0080	05/28/77	10	4680	4315N	07711W	47.5	106.3		GGG			17	30
5770-14085	00000/0000	1-10059/0081	05/28/77	0	4680	4149N	07741W	47.6	104.4		GGG			17	31
5770-14092	00000/0000	1-10059/0082	05/28/77	0	4680	4023N	07810W	47.6	102.6		GGG			17	32
5770-14094	00000/0000	1-10059/0083	05/28/77	10	4680	3857N	07838W	47.6	100.7		GGG			17	33
5770-14101	00000/0000	1-10059/0084	05/28/77	10	4680	3731N	07906W	47.6	98.9		GGG			17	34
5770-14103	00000/0000	1-10059/0085	05/28/77	20	4680	3605N	07934W	47.5	97.1		GGG			17	35
5770-14110	00000/0000	1-10059/0086	05/28/77	40	4680	3440N	08000W	47.4	95.3		GGG			17	36
5770-14112	00000/0000	1-10059/0087	05/28/77	40	4680	3313N	08025W	47.2	93.6		GGG			17	37
5770-14115	00000/0000	1-10059/0088	05/28/77	30	4680	3147N	08050W	47.0	91.9		GGG			17	38
5770-14121	00000/0000	1-10059/0089	05/28/77	20	4680	3022N	08114W	46.8	90.2		GGG			17	39
5770-14124	00000/0000	1-10059/0090	05/28/77	30	4680	2857N	08138W	46.5	88.5		GGG			17	40
5770-14130	00000/0000	1-10059/0091	05/28/77	30	4680	2730N	08201W	46.2	86.9		GGG			17	41
5770-14133	00000/0000	1-10059/0092	05/28/77	20	4680	2603N	08224W	45.9	85.3		GGG			17	42
5770-14135	00000/0000	1-10059/0093	05/28/77	10	4680	2436N	08246W	45.5	83.7		GGG			17	43
5770-15512	00000/0000	1-10059/0247	05/28/77	10	4681	4436N	10225W	47.4	108.1		GGG			35	29
5770-15514	00000/0000	1-10059/0248	05/28/77	40	4681	4310N	10257W	47.5	106.3		GGG			35	30
5770-15521	00000/0000	1-10059/0249	05/28/77	60	4681	4145N	10328W	47.6	104.4		GGG			35	31
5770-15523	00000/0000	1-10059/0250	05/28/77	80	4681	4020N	10358W	47.6	102.5		GGG			35	32
5770-15530	00000/0000	1-10059/0251	05/28/77	40	4681	3854N	10426W	47.6	100.7		GGG			35	33
5770-15532	00000/0000	1-10059/0252	05/28/77	10	4681	3729N	10455W	47.6	98.9		GGG			35	34
5770-15535	00000/0000	1-10059/0253	05/28/77	0	4681	3603N	10522W	47.5	97.1		GGG			35	35
5770-15541	00000/0000	1-10059/0254	05/28/77	0	4681	3438N	10549W	47.4	95.3		GFG			35	36
5770-15544	00000/0000	1-10059/0255	05/28/77	0	4681	3312N	10615W	47.2	93.5		GGG			35	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5770-15550	00000/0000	1-10059/0256	05/28/77	0	4681	3146N 10640W	47.0	91.8	GGG			35	38
5770-15553	00000/0000	1-10059/0257	05/28/77	0	4681	3019N 10704W	46.8	90.1	GGG			35	39
5771-14143	00000/0000	1-10059/0094	05/29/77	20	4694	4146N 07905W	47.6	104.2	GGG			18	31
5771-14145	00000/0000	1-10059/0095	05/29/77	10	4694	4020N 07935W	47.7	102.3	GGG			18	32
5771-14152	00000/0000	1-10059/0096	05/29/77	10	4694	3854N 08005W	47.7	100.5	GGG			18	33
5771-14154	00000/0000	1-10059/0097	05/29/77	10	4694	3729N 08033W	47.6	98.6	GGG			18	34
5771-14161	00000/0000	1-10059/0098	05/29/77	10	4694	3604N 08059W	47.5	96.8	GGG			18	35
5771-15554	00000/0000	1-10059/0258	05/29/77	60	4695	4850N 10209W	46.9	113.6	GGG			36	26
5771-15561	00000/0000	1-10059/0259	05/29/77	90	4695	4725N 10245W	47.1	111.7	GGG			36	27
5771-15563	00000/0000	1-10059/0260	05/29/77	30	4695	4600N 10320W	47.3	109.8	GGG			36	28
5771-15570	00000/0000	1-10059/0261	05/29/77	10	4695	4435N 10352W	47.4	107.9	GGG			36	29
5771-15572	00000/0000	1-10059/0262	05/29/77	10	4695	4309N 10424W	47.6	106.0	GGG			36	30
5771-15575	00000/0000	1-10059/0263	05/29/77	10	4695	4143N 10455W	47.6	104.1	GGG			36	31
5771-15581	00000/0000	1-10059/0264	05/29/77	20	4695	4018N 10525W	47.7	102.3	GGG			36	32
5771-15584	00000/0000	1-10059/0265	05/29/77	30	4695	3853N 10553W	47.7	100.4	GGG			36	33
5771-15590	00000/0000	1-10059/0266	05/29/77	10	4695	3727N 10622W	47.6	98.6	GGG			36	34
5771-15593	00000/0000	1-10059/0267	05/29/77	0	4695	3601N 10649W	47.5	96.8	GGG			36	35
5771-15595	00000/0000	1-10059/0268	05/29/77	0	4695	3436N 10715W	47.4	95.0	PPP			36	36
5771-16002	00000/0000	1-10059/0269	05/29/77	0	4695	3310N 10741W	47.3	93.3	GFF			36	37
5771-16004	00000/0000	1-10059/0270	05/29/77	0	4695	3145N 10806W	47.1	91.5	GFF			36	38
5771-16011	00000/0000	1-10059/0271	05/29/77	0	4695	3020N 10830W	46.8	89.8	GGG			36	39
5771-20585	00000/0000	1-10059/0310	05/29/77	30	4698	7052N 16145W	38.5	148.5	GFG			91	10
5771-20591	00000/0000	1-10059/0311	05/29/77	40	4698	6934N 16346W	39.3	145.6	GGG			91	11
5771-20594	00000/0000	1-10059/0312	05/29/77	50	4698	6815N 16535W	40.0	143.0	GGG			91	12
5772-14201	00000/0000	1-10059/0099	05/30/77	20	4708	4147N 08032W	47.7	104.0	GGG			19	31
5772-14203	00000/0000	1-10059/0100	05/30/77	40	4708	4021N 08102W	47.7	102.1	GGG			19	32
5772-14210	00000/0000	1-10059/0101	05/30/77	80	4708	3855N 08130W	47.7	100.3	GGG			19	33
5772-16012	00000/0000	1-10059/0132	05/30/77	30	4709	4852N 10335W	46.9	113.4	GGG			37	26
5772-16014	00000/0000	1-10059/0133	05/30/77	80	4709	4727N 10410W	47.2	111.5	GGG			37	27
5772-16021	00000/0000	1-10059/0134	05/30/77	80	4709	4602N 10444W	47.3	109.6	GGG			37	28
5772-16023	00000/0000	1-10059/0135	05/30/77	40	4709	4436N 10517W	47.5	107.7	GGG			37	29
5772-16030	00000/0000	1-10059/0136	05/30/77	10	4709	4311N 10549W	47.6	105.8	GGG			37	30
5772-16032	00000/0000	1-10059/0137	05/30/77	10	4709	4145N 10620W	47.7	103.9	GGG			37	31
5772-16035	00000/0000	1-10059/0138	05/30/77	10	4709	4020N 10650W	47.7	102.1	GGG			37	32
5772-16041	00000/0000	1-10059/0139	05/30/77	10	4709	3855N 10719W	47.7	100.2	GFG			37	33
5772-16044	00000/0000	1-10059/0140	05/30/77	0	4709	3729N 10748W	47.7	98.4	GGG			37	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5772-16050	00000/0000	1-10059/0141	05/30/77	0	4709	3604N	10815W	47.6	96.6		GGG			37	35
5772-16053	00000/0000	1-10059/0142	05/30/77	0	4709	3438N	10841W	47.4	94.8		GGG			37	36
5772-16055	00000/0000	1-10059/0143	05/30/77	0	4709	3311N	10906W	47.3	93.1		GGG			37	37
5772-16062	00000/0000	1-10059/0144	05/30/77	0	4709	3144N	10931W	47.1	91.3		GGG			37	38
5772-16064	00000/0000	1-10059/0145	05/30/77	10	4709	3018N	10956W	46.8	89.6		GGG			37	39
5773-14234	00000/0000	1-10059/0313	05/31/77	10	4722	4855N	07913W	47.0	113.2		FGG			20	26
5773-14241	00000/0000	1-10059/0314	05/31/77	20	4722	4730N	07950W	47.2	111.3		GGG			20	27
5773-14243	00000/0000	1-10059/0315	05/31/77	10	4722	4604N	08024W	47.4	109.4		GGG			20	28
5773-14250	00000/0000	1-10059/0316	05/31/77	10	4722	4438N	08057W	47.6	107.5		GGG			20	29
5773-14252	00000/0000	1-10059/0317	05/31/77	10	4722	4312N	08128W	47.7	105.6		GGG			20	30
5773-14255	00000/0000	1-10059/0318	05/31/77	20	4722	4147N	08159W	47.7	103.7		GGG			20	31
5773-14261	00000/0000	1-10059/0319	05/31/77	10	4722	4021N	08229W	47.8	101.9		GGG			20	32
5773-14264	00000/0000	1-10059/0320	05/31/77	10	4722	3854N	08257W	47.7	100.0		GGG			20	33
5773-14270	00000/0000	1-10059/0321	05/31/77	10	4722	3728N	08324W	47.7	98.2		GGG			20	34
5773-14273	00000/0000	1-10059/0322	05/31/77	10	4722	3602N	08352W	47.6	96.4		GGG			20	35
5773-14275	00000/0000	1-10059/0323	05/31/77	30	4722	3437N	08418W	47.5	94.6		GGG			20	36
5773-14282	00000/0000	1-10059/0324	05/31/77	20	4722	3312N	08443W	47.3	92.9		GGG			20	37
5773-14284	00000/0000	1-10059/0325	05/31/77	10	4722	3147N	08508W	47.1	91.1		GGG			20	38
5773-14291	00000/0000	1-10059/0326	05/31/77	10	4722	3022N	08533W	46.8	89.4		GGG			20	39
5773-14293	00000/0000	1-10059/0327	05/31/77	10	4722	2857N	08558W	46.5	87.8		GGG			20	40
5773-14300	00000/0000	1-10059/0328	05/31/77	20	4722	2731N	08621W	46.2	86.1		FGG			20	41
5773-16070	00000/0000	1-10059/0296	05/31/77	10	4723	4850N	10500W	47.0	113.2		GGG			38	26
5773-16072	00000/0000	1-10059/0297	05/31/77	10	4723	4725N	10536W	47.2	111.3		GGG			38	27
5773-16075	00000/0000	1-10059/0298	05/31/77	10	4723	4600N	10611W	47.4	109.4		GGG			38	28
5773-16081	00000/0000	1-10059/0299	05/31/77	0	4723	4435N	10644W	47.6	107.5		GGG			38	29
5773-16084	00000/0000	1-10059/0300	05/31/77	0	4723	4309N	10716W	47.7	105.6		GGG			38	30
5773-16090	00000/0000	1-10059/0301	05/31/77	0	4723	4144N	10747W	47.7	103.7		GGG			38	31
5773-16093	00000/0000	1-10059/0302	05/31/77	0	4723	4018N	10817W	47.8	101.9		GGG			38	32
5773-16095	00000/0000	1-10059/0303	05/31/77	0	4723	3853N	10846W	47.7	100.0		GGG			38	33
5773-16102	00000/0000	1-10059/0304	05/31/77	0	4723	3727N	10914W	47.7	98.2		GGG			38	34
5773-16104	00000/0000	1-10059/0305	05/31/77	0	4723	3602N	10941W	47.6	96.4		GGG			38	35
5773-16111	00000/0000	1-10059/0306	05/31/77	10	4723	3436N	11008W	47.5	94.6		GGG			38	36
5773-16113	00000/0000	1-10059/0307	05/31/77	10	4723	3310N	11034W	47.3	92.9		GGG			38	37
5773-16120	00000/0000	1-10059/0308	05/31/77	10	4723	3144N	11059W	47.1	91.1		GGG			38	38
5773-16122	00000/0000	1-10059/0309	05/31/77	0	4723	3018N	11124W	46.8	89.4		GGG			38	39
5774-14324	00000/0000	1-10059/0329	06/01/77	0	4736	3726N	08450W	47.7	97.9		GGG			21	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5774-14331	00000/0000	1-10059/0330	06/01/77	0	4736	3600N	08517W	47.6	96.1		GGG			21	35
5774-14333	00000/0000	1-10059/0331	06/01/77	10	4736	3435N	08543W	47.5	94.4		GGG			21	36
5774-14340	00000/0000	1-10059/0332	06/01/77	10	4736	3309N	08609W	47.3	92.6		GGG			21	37
5774-14342	00000/0000	1-10059/0333	06/01/77	20	4736	3149N	08634W	47.1	90.9		GGG			21	38
5774-14345	00000/0000	1-10059/0334	06/01/77	40	4736	3017N	08659W	46.8	89.2		GGG			21	39
5774-14351	00000/0000	1-10059/0335	06/01/77	30	4736	2851N	08723W	46.5	87.5		GGG			21	40
5774-16124	00000/0000	1-10059/0193	06/01/77	0	4737	4852N	10626W	47.1	113.0		GGG			39	26
5774-16130	00000/0000	1-10059/0194	06/01/77	0	4737	4726N	10701W	47.3	111.1		GGF			39	27
5774-16133	00000/0000	1-10059/0195	06/01/77	0	4737	4600N	10737W	47.5	103.2		GGG			39	28
5774-16135	00000/0000	1-10059/0196	06/01/77	0	4737	4435N	10810W	47.6	107.3		GGG			39	29
5774-16142	00000/0000	1-10059/0197	06/01/77	0	4737	4309N	10842W	47.7	105.4		GGG			39	30
5774-16144	00000/0000	1-10059/0198	06/01/77	10	4737	4149N	10912W	47.8	103.5		FGG			39	31
5774-16151	00000/0000	1-10059/0199	06/01/77	10	4737	4018N	10942W	47.8	101.6		GGG			39	32
5774-16153	00000/0000	1-10059/0200	06/01/77	10	4737	3852N	11011W	47.8	99.8		GGG			39	33
5774-16160	00000/0000	1-10059/0201	06/01/77	10	4737	3727N	11039W	47.7	98.0		GGG			39	34
5774-16162	00000/0000	1-10059/0202	06/01/77	10	4737	3601N	11106W	47.6	96.2		GGG			39	35
5774-16165	00000/0000	1-10059/0203	06/01/77	10	4737	3435N	11132W	47.5	94.4		GGG			39	36
5774-16171	00000/0000	1-10059/0204	06/01/77	10	4737	3310N	11158W	47.3	92.6		GGG			39	37
5774-16174	00000/0000	1-10059/0205	06/01/77	10	4737	3144N	11223W	47.1	90.9		GGG			39	38
5774-16180	00000/0000	1-10059/0206	06/01/77	0	4737	3019N	11248W	46.8	89.2		FGF			39	39
5775-14375	00000/0000	1-10059/0213	06/02/77	10	4750	3855N	08548W	47.8	99.6		GGG			22	33
5775-14382	00000/0000	1-10059/0214	06/02/77	10	4750	3729N	08616W	47.7	97.8		GGG			22	34
5775-14400	00000/0000	1-10059/0215	06/02/77	10	4750	3148N	08802W	47.1	90.7		GGG			22	38
5775-14402	00000/0000	1-10059/0216	06/02/77	10	4750	3022N	08827W	46.8	89.0		GGG			22	39
5775-14405	00000/0000	1-10059/0217	06/02/77	10	4750	2857N	08850W	46.5	87.4		GGG			22	40
5775-16202	00000/0000	1-10059/0373	06/02/77	10	4751	4144N	11038W	47.8	103.3		G G			40	31
5775-16204	00000/0000	1-10059/0374	06/02/77	10	4751	4018N	11108W	47.8	101.4		FGG			40	32
5775-16211	00000/0000	1-10059/0375	06/02/77	10	4751	3853N	11137W	47.8	99.6		GGG			40	33
5775-16213	00000/0000	1-10059/0376	06/02/77	10	4751	3727N	11205W	47.7	97.7		GGG			40	34
5775-16220	00000/0000	1-10059/0377	06/02/77	10	4751	3601N	11232W	47.6	95.9		GGG			40	35
5775-16222	00000/0000	1-10059/0378	06/02/77	10	4751	3436N	11258W	47.5	94.1		GGG			40	36
5775-16225	00000/0000	1-10059/0379	06/02/77	0	4751	3310N	11323W	47.3	92.4		GGG			40	37
5775-16231	00000/0000	1-10059/0380	06/02/77	0	4751	3145N	11348W	47.1	90.7		GGG			40	38
5775-16234	00000/0000	1-10059/0381	06/02/77	0	4751	3019N	11412W	46.8	89.0		GGG			40	39
5775-19404	00000/0000	1-10059/0212	06/02/77	20	4753	6250N	15109W	43.0	133.0		GG			77	16
5775-19410	00000/0000	1-10059/0207	06/02/77	10	4753	6128N	15217W	43.5	130.9		FGG			77	17

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5775-19413	00000/0000	1-10059/0208	06/02/77	10	4753	6005N 15319W	44.1	128.7	GGG			77	18
5775-19415	00000/0000	1-10059/0209	06/02/77	10	4753	5842N 15417W	44.6	126.7	GGG			76	19
5775-19422	00000/0000	1-10059/0210	06/02/77	10	4753	5719N 15510W	45.1	124.6	GGG			76	20
5775-19424	00000/0000	1-10059/0211	06/02/77	20	4753	5555N 15559W	45.5	122.6	GGG			76	21
5776-14404	00000/0000	1-10059/0218	06/03/77	10	4764	4852N 08331W	47.2	112.6	GGG			23	26
5776-14410	00000/0000	1-10059/0219	06/03/77	10	4764	4726N 08407W	47.4	110.7	GGG			23	27
5776-14413	00000/0000	1-10059/0220	06/03/77	10	4764	4601N 08441W	47.6	108.8	GGG			23	28
5776-14415	00000/0000	1-10059/0221	06/03/77	10	4764	4436N 08514W	47.7	106.9	GGG			23	29
5776-14422	00000/0000	1-10059/0222	06/03/77	10	4764	4311N 08546W	47.8	105.0	FFG			23	30
5776-14424	00000/0000	1-10059/0223	06/03/77	10	4764	4146N 08617W	47.8	103.1	GGG			23	31
5776-14431	00000/0000	1-10059/0224	06/03/77	10	4764	4020N 08647W	47.8	101.2	GGG			23	32
5776-14433	00000/0000	1-10059/0225	06/03/77	0	4764	3854N 08715W	47.8	99.4	GGG			23	33
5776-14440	00000/0000	1-10059/0226	06/03/77	0	4764	3728N 08743W	47.7	97.5	GGG			23	34
5776-14442	00000/0000	1-10059/0227	06/03/77	0	4764	3603N 08811W	47.6	95.7	GGG			23	35
5776-14445	00000/0000	1-10059/0228	06/03/77	10	4764	3437N 08837W	47.5	94.0	GGG			23	36
5776-14451	00000/0000	1-10059/0229	06/03/77	10	4764	3312N 08903W	47.3	92.2	GGG			23	37
5776-14454	00000/0000	1-10059/0230	06/03/77	10	4764	3145N 08928W	47.1	90.5	GGG			23	38
5776-14460	00000/0000	1-10059/0231	06/03/77	10	4764	3019N 08952W	46.8	88.8	GGG			23	39
5776-14463	00000/0000	1-10059/0232	06/03/77	10	4764	2854N 09015W	46.5	87.1	GGG			23	40
5776-16235	00000/0000	1-10059/0347	06/03/77	80	4765	4849N 10919W	47.2	112.6	GGG			41	26
5776-16242	00000/0000	1-10059/0348	06/03/77	50	4765	4724N 10955W	47.4	110.7	GGG			41	27
5776-16244	00000/0000	1-10059/0349	06/03/77	50	4765	4559N 11029W	47.6	108.7	GGG			41	28
5776-16251	00000/0000	1-10059/0350	06/03/77	60	4765	4434N 11103W	47.7	106.8	GGG			41	29
5776-16253	00000/0000	1-10059/0351	06/03/77	20	4765	4308N 11135W	47.8	104.9	GGG			41	30
5776-16260	00000/0000	1-10059/0352	06/03/77	10	4765	4143N 11205W	47.8	103.0	GGG			41	31
5776-16262	00000/0000	1-10059/0353	06/03/77	10	4765	4017N 11235W	47.9	101.2	GGG			41	32
5776-16265	00000/0000	1-10059/0354	06/03/77	0	4765	3852N 11303W	47.8	99.3	GGG			41	33
5776-16271	00000/0000	1-10059/0355	06/03/77	0	4765	3726N 11331W	47.7	97.5	GGG			41	34
5776-16274	00000/0000	1-10059/0356	06/03/77	0	4765	3600N 11358W	47.6	95.7	GGG			41	35
5776-16280	00000/0000	1-10059/0357	06/03/77	0	4765	3434N 11424W	47.5	93.9	GGG			41	36
5776-16283	00000/0000	1-10059/0358	06/03/77	0	4765	3308N 11450W	47.3	92.2	GGG			41	37
5776-16285	00000/0000	1-10059/0359	06/03/77	10	4765	3143N 11515W	47.1	90.4	GGG			41	38
5776-19443	00000/0000	1-10059/0336	06/03/77	70	4767	6809N 14655W	40.6	142.3	GGG			78	12
5776-19450	00000/0000	1-10059/0337	06/03/77	40	4767	6649N 14833W	41.2	139.8	GGG			78	13
5776-19452	00000/0000	1-10059/0338	06/03/77	20	4767	6528N 15001W	41.9	137.4	GGG			78	14
5776-19455	00000/0000	1-10059/0339	06/03/77	10	4767	6407N 15121W	42.5	135.1	GGG			78	15

KEYS: CLOUD COVER x 0 TO 100 = % CLOUD COVER,
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5776-19461	00000/0000	1-10059/0340	06/03/77	10	4767	6246N	15232W	43.1	132.8		GGG			77	16
5776-19464	00000/0000	1-10059/0341	06/03/77	10	4767	6124N	15339W	43.6	130.7		GGG			77	17
5776-19470	00000/0000	1-10059/0342	06/03/77	10	4767	6001N	15441W	44.2	128.6		GGG			77	18
5776-19473	00000/0000	1-10059/0343	06/03/77	40	4767	5839N	15539W	44.7	126.5		GGG			77	19
5776-19475	00000/0000	1-10059/0344	06/03/77	70	4767	5716N	15633W	45.1	124.4		GGG			77	20
5776-19482	00000/0000	1-10059/0345	06/03/77	40	4767	5552N	15723W	45.6	122.4		GGG			77	21
5776-19484	00000/0000	1-10059/0346	06/03/77	30	4767	5428N	15810W	46.0	120.4		GGG			77	22
5777-14464	00000/0000	1-10059/0233	06/04/77	90	4778	4725N	08532W	47.4	110.5		GGG			24	27
5777-14471	00000/0000	1-10059/0234	06/04/77	70	4778	4600N	08607W	47.6	108.6		GGG			24	28
5777-14473	00000/0000	1-10059/0235	06/04/77	60	4778	4434N	08640W	47.7	106.6		GGG			24	29
5777-14480	00000/0000	1-10059/0236	06/04/77	70	4778	4309N	08712W	47.8	104.7		GGG			24	30
5777-14482	00000/0000	1-10059/0237	06/04/77	20	4778	4144N	08743W	47.9	102.9		GGG			24	31
5777-14485	00000/0000	1-10059/0238	06/04/77	10	4778	4018N	08813W	47.9	101.0		GGG			24	32
5777-14491	00000/0000	1-10059/0239	06/04/77	10	4778	3853N	08842W	47.8	99.4		GGG			24	33
5777-14494	00000/0000	1-10059/0240	06/04/77	10	4778	3728N	08910W	47.8	97.3		GGG			24	34
5777-14500	00000/0000	1-10059/0241	06/04/77	10	4778	3602N	08937W	47.6	95.5		GGG			24	35
5777-14503	00000/0000	1-10059/0242	06/04/77	10	4778	3436N	09004W	47.5	93.7		GGG			24	36
5777-14505	00000/0000	1-10059/0243	06/04/77	10	4778	3310N	09029W	47.3	92.0		GGG			24	37
5777-14512	00000/0000	1-10059/0244	06/04/77	10	4778	3145N	09055W	47.0	90.3		GGG			24	38
5777-14514	00000/0000	1-10059/0245	06/04/77	10	4778	3019N	09119W	46.8	88.6		GGG			24	39
5777-14521	00000/0000	1-10059/0246	06/04/77	10	4778	2852N	09142W	46.5	86.9		GGG			24	40
5777-16293	00000/0000	1-10059/0360	06/04/77	10	4779	4851N	11044W	47.2	112.5		GGG			42	26
5777-16300	00000/0000	1-10059/0361	06/04/77	10	4779	4726N	11120W	47.4	110.5		GGG			42	27
5777-16302	00000/0000	1-10059/0362	06/04/77	10	4779	4601N	11155W	47.6	108.6		GGG			42	28
5777-16305	00000/0000	1-10059/0363	06/04/77	10	4779	4436N	11228W	47.7	106.7		GGG			42	29
5777-16311	00000/0000	1-10059/0364	06/04/77	10	4779	4311N	11300W	47.8	104.8		GGG			42	30
5777-16314	00000/0000	1-10059/0365	06/04/77	10	4779	4145N	11331W	47.9	102.9		GGG			42	31
5777-16320	00000/0000	1-10059/0366	06/04/77	10	4779	4020N	11400W	47.9	101.0		GGG			42	32
5777-16323	00000/0000	1-10059/0367	06/04/77	0	4779	3854N	11428W	47.8	99.2		GGG			42	33
5777-16325	00000/0000	1-10059/0368	06/04/77	0	4779	3729N	11454W	47.8	97.4		GGG			42	34
5777-16332	00000/0000	1-10059/0369	06/04/77	10	4779	3603N	11520W	47.6	95.5		GGG			42	35
5777-16334	00000/0000	1-10059/0370	06/04/77	20	4779	3437N	11546W	47.5	93.8		GGG			42	36
5777-16341	00000/0000	1-10059/0371	06/04/77	20	4779	3311N	11613W	47.3	92.0		GGG			42	37
5777-16343	00000/0000	1-10059/0372	06/04/77	40	4779	3145N	11639W	47.1	90.3		GGG			42	38
5778-14515	00000/0000	1-10059/0395	06/05/77	90	4792	4854N	08622W	47.3	112.3		GFG			25	26
5778-14522	00000/0000	1-10059/0396	06/05/77	90	4792	4728N	08658W	47.5	110.3		GGG			25	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5778-14524	00000/0000	1-10059/0397	06/05/77	90	4792	4602N	08732W	47.6	108.4		GGG			25	28
5778-14531	00000/0000	1-10059/0398	06/05/77	40	4792	4436N	08805W	47.8	106.5		FGG			25	29
5778-14533	00000/0000	1-10059/0399	06/05/77	60	4792	4310N	08837W	47.8	104.6		GGG			25	30
5778-14540	00000/0000	1-10059/0400	06/05/77	70	4792	4145N	08908W	47.9	102.7		GGG			25	31
5778-14542	00000/0000	1-10059/0401	06/05/77	50	4792	4020N	08937W	47.9	100.9		GGG			25	32
5778-14545	00000/0000	1-10059/0402	06/05/77	20	4792	3854N	09006W	47.8	99.0		FGG			25	33
5778-14551	00000/0000	1-10059/0403	06/05/77	0	4792	3728N	09034W	47.8	97.2		GGG			25	34
5778-14554	00000/0000	1-10059/0404	06/05/77	0	4792	3602N	09101W	47.6	95.4		GGG			25	35
5778-14560	00000/0000	1-10059/0405	06/05/77	0	4792	3436N	09127W	47.5	93.6		GGG			25	36
5778-14563	00000/0000	1-10059/0406	06/05/77	10	4792	3311N	09154W	47.3	91.8		GGG			25	37
5778-14565	00000/0000	1-10059/0407	06/05/77	10	4792	3146N	09220W	47.0	90.1		GGG			25	38
5778-14572	00000/0000	1-10059/0408	06/05/77	10	4792	3021N	09245W	46.8	88.4		FGG			25	39
5778-16351	00000/0000	1-10059/0382	06/05/77	10	4793	4849N	11211W	47.3	112.3		GGG			43	26
5778-16354	00000/0000	1-10059/0383	06/05/77	0	4793	4724N	11247W	47.5	110.3		GGG			43	27
5778-16360	00000/0000	1-10059/0384	06/05/77	0	4793	4559N	11321W	47.6	108.4		GGG			43	28
5778-16363	00000/0000	1-10059/0385	06/05/77	0	4793	4436N	11354W	47.8	106.5		GGG			43	29
5778-16365	00000/0000	1-10059/0386	06/05/77	0	4793	4310N	11426W	47.8	104.6		GGG			43	30
5778-16372	00000/0000	1-10059/0387	06/05/77	0	4793	4145N	11457W	47.9	102.7		GGG			43	31
5778-16374	00000/0000	1-10059/0388	06/05/77	20	4793	4019N	11527W	47.9	100.8		GGG			43	32
5778-16381	00000/0000	1-10059/0389	06/05/77	30	4793	3853N	11555W	47.8	99.0		GGG			43	33
5778-16383	00000/0000	1-10059/0390	06/05/77	60	4793	3727N	11623W	47.8	97.1		GGG			43	34
5778-16390	00000/0000	1-10059/0391	06/05/77	40	4793	3601N	11650W	47.6	95.3		GGG			43	35
5778-16392	00000/0000	1-10059/0392	06/05/77	40	4793	3436N	11716W	47.5	93.6		GGG			43	36
5778-16395	00000/0000	1-10059/0393	06/05/77	90	4793	3310N	11743W	47.3	91.8		FFG			43	37
5778-16401	00000/0000	1-10059/0394	06/05/77	90	4793	3145N	11808W	47.0	90.1		FGG			43	38
5779-14594	00000/0000	1-10059/0409	06/06/77	70	4806	4144N	09034W	47.9	102.5		GGG			26	31
5779-15000	00000/0000	1-10059/0410	06/06/77	20	4806	4019N	09104W	47.9	100.6		GGG			26	32
5779-15003	00000/0000	1-10059/0411	06/06/77	10	4806	3853N	09133W	47.8	98.8		GGG			26	33
5779-15005	00000/0000	1-10059/0412	06/06/77	10	4806	3727N	09201W	47.8	97.0		GGG			26	34
5779-15012	00000/0000	1-10059/0413	06/06/77	0	4806	3602N	09229W	47.6	95.2		GGG			26	35
5779-15014	00000/0000	1-10059/0414	06/06/77	0	4806	3437N	09256W	47.5	93.4		GGG			26	36
5779-15021	00000/0000	1-10059/0415	06/06/77	0	4806	3312N	09322W	47.3	91.6		GGG			26	37
5779-15023	00000/0000	1-10059/0416	06/06/77	0	4806	3147N	09346W	47.0	89.9		GGG			26	38
5779-15030	00000/0000	1-10059/0417	06/06/77	0	4806	3021N	09410W	46.7	88.2		GGG			26	39
5779-15032	00000/0000	1-10059/0418	06/06/77	10	4806	2855N	09433W	46.4	86.6		GGG			26	40
5779-15035	00000/0000	1-10059/0419	06/06/77	10	4806	2728N	09455W	46.1	85.0		GGG			26	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5779-15041	00000/0000	1-10059/0420	06/06/77	10	4806	2601N	09517W	45.7	83.4	GGG			26	42
5779-15044	00000/0000	1-10059/0421	06/06/77	20	4806	2434N	09540W	45.2	81.9	GGG			26	43
5779-16405	00000/0000	1-10059/0422	06/06/77	20	4807	4849N	11338W	47.3	112.1	GGG			44	26
5779-16411	00000/0000	1-10059/0423	06/06/77	10	4807	4725N	11414W	47.5	110.1	GGG			44	27
5779-16414	00000/0000	1-10059/0424	06/06/77	10	4807	4559N	11448W	47.7	108.2	QFG			44	28
5779-16420	00000/0000	1-10059/0425	06/06/77	10	4807	4434N	11522W	47.8	106.3	GGG			44	29
5779-16423	00000/0000	1-10059/0426	06/06/77	30	4807	4308N	11554W	47.9	104.4	GGG			44	30
5779-16425	00000/0000	1-10059/0427	06/06/77	20	4807	4143N	11624W	47.9	102.5	GGF			44	31
5779-16432	00000/0000	1-10059/0428	06/06/77	10	4807	4018N	11653W	47.9	100.6	QFG			44	32
5779-16434	00000/0000	1-10059/0429	06/06/77	20	4807	3852N	11722W	47.8	98.8	QFG			44	33
5779-16441	00000/0000	1-10059/0430	06/06/77	50	4807	3726N	11750W	47.8	96.9	PGF			44	34
5779-16443	00000/0000	1-10059/0431	06/06/77	50	4807	3601N	11817W	47.6	95.1	GGG			44	35
5779-16450	00000/0000	1-10059/0432	06/06/77	60	4807	3435N	11843W	47.5	93.4	GGG			44	36
5779-16452	00000/0000	1-10059/0433	06/06/77	80	4807	3309N	11909W	47.3	91.6	FFG			44	37
5781-15085	00000/0000	1-10059/0439	06/08/77	60	4834	4847N	09042W	47.4	111.7	GGG			28	26
5781-15092	00000/0000	1-10059/0440	06/08/77	40	4834	4723N	09119W	47.6	109.7	GGF			28	27
5781-15094	00000/0000	1-10059/0441	06/08/77	50	4834	4558N	09154W	47.7	107.8	GGG			28	28
5781-15101	00000/0000	1-10059/0442	06/08/77	30	4834	4433N	09228W	47.8	105.9	GGG			28	29
5781-15103	00000/0000	1-10059/0443	06/08/77	70	4834	4308N	09300W	47.9	104.0	GGG			28	30
5781-15110	00000/0000	1-10059/0444	06/08/77	70	4834	4144N	09331W	47.9	102.1	QFG			28	31
5781-15112	00000/0000	1-10059/0445	06/08/77	20	4834	4019N	09401W	47.9	100.2	GGG			28	32
5781-15115	00000/0000	1-10059/0446	06/08/77	10	4834	3853N	09430W	47.8	98.4	QFG			28	33
5781-15121	00000/0000	1-10059/0447	06/08/77	10	4834	3727N	09458W	47.7	96.5	GGG			28	34
5781-15124	00000/0000	1-10059/0448	06/08/77	0	4834	3601N	09524W	47.6	94.7	GGF			28	35
5781-15130	00000/0000	1-10059/0449	06/08/77	0	4834	3434N	09550W	47.4	93.0	GGF			28	36
5781-15133	00000/0000	1-10059/0450	06/08/77	10	4834	3307N	09614W	47.2	91.2	GGG			28	37
5781-15135	00000/0000	1-10059/0434	06/08/77	10	4834	3140N	09639W	47.0	89.5	GGG			28	38
5781-15142	00000/0000	1-10059/0435	06/08/77	10	4834	3013N	09703W	46.7	87.8	GGG			28	39
5781-15144	00000/0000	1-10059/0436	06/08/77	10	4834	2847N	09726W	46.3	86.2	QFG			28	40
5781-15151	00000/0000	1-10059/0437	06/08/77	10	4834	2722N	09749W	46.0	84.6	QFG			28	41
5781-15153	00000/0000	1-10059/0438	06/08/77	0	4834	2557N	09812W	45.6	83.0	QFG			28	42
5782-15143	00000/0000	1-10059/0512	06/09/77	20	3848	4847N	09209W	47.4	111.5	GGG			29	26
5782-15145	00000/0000	1-10059/0513	06/09/77	10	3848	4723N	09245W	47.6	109.6	GGG			29	27
5782-15152	00000/0000	1-10059/0514	06/09/77	30	3848	4558N	09320W	47.7	107.6	GGG			29	28
5782-15154	00000/0000	1-10059/0515	06/09/77	30	3848	4434N	09354W	47.8	105.7	GGG			29	29
5782-15161	00000/0000	1-10059/0516	06/09/77	30	3848	4309N	09426W	47.9	103.8	GGG			29	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5782-15163	00000/0000	1-10059/0517	06/09/77	20	3848	4143N	09456W	47.9	101.9		GGG			29	31
5782-15170	00000/0000	1-10059/0518	06/09/77	10	3848	4017N	09526W	47.9	100.1		GGG			29	32
5782-15172	00000/0000	1-10059/0519	06/09/77	30	3848	3852N	09555W	47.8	98.2		GGG			29	33
5782-15175	00000/0000	1-10059/0520	06/09/77	20	3848	3726N	09622W	47.7	96.4		GGG			29	34
5782-15181	00000/0000	1-10059/0521	06/09/77	10	3848	3600N	09649W	47.6	94.6		GGG			29	35
5782-15184	00000/0000	1-10059/0522	06/09/77	0	3848	3434N	09715W	47.4	92.8		GGG			29	36
5782-15190	00000/0000	1-10059/0485	06/09/77	0	4848	3307N	09740W	47.2	91.1		FGG			29	37
5782-15193	00000/0000	1-10059/0486	06/09/77	10	4848	3141N	09805W	46.9	89.4		GGG			29	38
5782-15195	00000/0000	1-10059/0487	06/09/77	30	4848	3015N	09829W	46.6	87.7		GGG			29	39
5782-15202	00000/0000	1-10059/0488	06/09/77	30	4848	2848N	09852W	46.3	86.1		GGG			29	40
5782-15204	00000/0000	1-10059/0489	06/09/77	10	4848	2722N	09915W	45.9	84.5		GGG			29	41
5782-15211	00000/0000	1-10059/0490	06/09/77	10	4848	2556N	09937W	45.5	82.9		GGG			29	42
5782-16572	00000/0000	1-10060/0001	06/09/77	10	4849	5010N	11720W	47.2	113.4		GGG			47	25
5782-16575	00000/0000	1-10060/0002	06/09/77	10	4849	4846N	11757W	47.4	111.5		GGG			47	26
5782-16581	00000/0000	1-10060/0003	06/09/77	0	4849	4721N	11833W	47.6	109.5		GGG			47	27
5782-16584	00000/0000	1-10060/0004	06/09/77	10	4849	4555N	11908W	47.7	107.6		GGG			47	28
5782-16590	00000/0000	1-10060/0005	06/09/77	10	4849	4430N	11941W	47.8	105.7		GGG			47	29
5782-16593	00000/0000	1-10060/0006	06/09/77	60	4849	4305N	12012W	47.9	103.8		GGG			47	30
5782-16595	00000/0000	1-10060/0007	06/09/77	90	4849	4139N	12042W	47.9	101.9		GGG			47	31
5782-17002	00000/0000	1-10060/0008	06/09/77	90	4849	4014N	12112W	47.9	100.0		GGG			47	32
5782-17004	00000/0000	1-10060/0009	06/09/77	90	4849	3848N	12141W	47.8	98.2		GGG			47	33
5782-17011	00000/0000	1-10060/0010	06/09/77	90	4849	3722N	12209W	47.7	96.4		GGG			47	34
5782-17013	00000/0000	1-10060/0011	06/09/77	100	4849	3556N	12236W	47.6	94.6		GGG			47	35
5782-17020	00000/0000	1-10060/0012	06/09/77	100	4849	3431N	12302W	47.4	92.8		GGG			47	36
5782-20183	00000/0000	1-10059/0508	06/09/77	60	4851	6809N	15539W	41.1	141.5		FGG			84	12
5782-20185	00000/0000	1-10059/0509	06/09/77	90	4851	6648N	15716W	41.7	138.9		GGG			84	13
5782-20192	00000/0000	1-10059/0510	06/09/77	70	4851	6527N	15843W	42.4	136.5		GGG			84	14
5782-20194	00000/0000	1-10059/0511	06/09/77	50	4851	6406N	16002W	43.0	134.2		GGG			84	15
5783-15212	00000/0000	1-10059/0473	06/10/77	10	4862	4436N	09517W	47.8	105.7		GGG			30	29
5783-15215	00000/0000	1-10059/0460	06/10/77	10	4862	4311N	09549W	47.9	103.7		GGG			30	30
5783-15221	00000/0000	1-10059/0461	06/10/77	30	4862	4145N	09619W	47.9	101.9		GGG			30	31
5783-15224	00000/0000	1-10059/0462	06/10/77	20	4862	4020N	09649W	47.9	100.0		GGG			30	32
5783-15230	00000/0000	1-10059/0463	06/10/77	10	4862	3854N	09717W	47.8	98.1		GGG			30	33
5783-15233	00000/0000	1-10059/0464	06/10/77	10	4862	3729N	09745W	47.7	96.3		GGG			30	34
5783-15235	00000/0000	1-10059/0465	06/10/77	10	4862	3603N	09812W	47.6	94.5		GGG			30	35
5783-15242	00000/0000	1-10059/0466	06/10/77	10	4862	3436N	09838W	47.4	92.8		GGG			30	36

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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5783-15244	00000/0000	1-10059/0467	06/10/77	10	4862	3310N	09904W	47.2	91.0		GGG			30	37
5783-15251	00000/0000	1-10059/0468	06/10/77	10	4862	3144N	09929W	46.9	89.3		GGG			30	38
5783-15253	00000/0000	1-10059/0469	06/10/77	10	4862	3018N	09953W	46.6	87.6		GGG			30	39
5783-15260	00000/0000	1-10059/0470	06/10/77	10	4862	2852N	10016W	46.3	86.0		GGG			30	40
5783-15262	00000/0000	1-10059/0471	06/10/77	0	4862	2727N	10040W	45.9	84.4		GGG			30	41
5783-15265	00000/0000	1-10059/0472	06/10/77	10	4862	2601N	10103W	45.5	82.8		GGG			30	42
5783-17032	00000/0000	1-10059/0569	06/10/77	10	4863	4850N	11920W	47.4	111.4		GGG			48	26
5783-17035	00000/0000	1-10059/0570	06/10/77	0	4863	4723N	11957W	47.6	109.5		GGG			48	27
5783-17041	00000/0000	1-10059/0571	06/10/77	10	4863	4557N	12032W	47.7	107.5		GGG			48	28
5783-17044	00000/0000	1-10059/0572	06/10/77	10	4863	4432N	12105W	47.8	105.6		GGG			48	29
5783-17050	00000/0000	1-10059/0573	06/10/77	30	4863	4307N	12137W	47.9	103.7		GGG			48	30
5783-17053	00000/0000	1-10059/0574	06/10/77	90	4863	4142N	12207W	47.9	101.8		GGG			48	31
5783-17055	00000/0000	1-10059/0575	06/10/77	90	4863	4018N	12236W	47.9	100.0		GGG			48	32
5783-17062	00000/0000	1-10059/0576	06/10/77	90	4863	3853N	12304W	47.8	98.1		GGG			48	33
5783-17064	00000/0000	1-10059/0577	06/10/77	100	4863	3727N	12332W	47.7	96.3		GGG			48	34
5783-18423	00000/0000	1-10059/0451	06/10/77	30	4864	6245N	13651W	43.6	131.9		GGG			67	16
5783-18425	00000/0000	1-10059/0452	06/10/77	20	4864	6123N	13758W	44.1	129.7		GGG			66	17
5783-18432	00000/0000	1-10059/0453	06/10/77	30	4864	6000N	13900W	44.6	127.5		GGG			66	18
5783-18434	00000/0000	1-10059/0454	06/10/77	90	4864	5837N	13957W	45.1	125.4		GGG			66	19
5783-20234	00000/0000	1-10059/0455	06/10/77	30	4865	6931N	15512W	40.5	144.2		GGG			85	11
5783-20240	00000/0000	1-10059/0456	06/10/77	70	4865	6812N	15701W	41.1	141.5		GGG			85	12
5783-20243	00000/0000	1-10059/0457	06/10/77	80	4865	6652N	15838W	41.8	138.9		GGG			85	13
5783-20245	00000/0000	1-10059/0458	06/10/77	90	4865	6531N	16006W	42.4	136.5		GGG			85	14
5783-20252	00000/0000	1-10059/0459	06/10/77	90	4865	6410N	16126W	43.0	134.1		GGG			85	15
5784-15255	00000/0000	1-10059/0474	06/11/77	80	4876	4847N	09500W	47.4	111.2		GGG			31	26
5784-15261	00000/0000	1-10059/0475	06/11/77	80	4876	4723N	09537W	47.6	109.3		GGG			31	27
5784-15264	00000/0000	1-10059/0476	06/11/77	70	4876	4559N	09611W	47.7	107.4		GGG			31	28
5784-15270	00000/0000	1-10059/0477	06/11/77	80	4876	4433N	09644W	47.8	105.4		FFF			31	29
5784-15273	00000/0000	1-10059/0478	06/11/77	100	4876	4307N	09716W	47.9	103.5		GGG			31	30
5784-15275	00000/0000	1-10059/0479	06/11/77	80	4876	4142N	09746W	47.9	101.6		GGG			31	31
5784-15282	00000/0000	1-10059/0480	06/11/77	30	4876	4017N	09816W	47.9	99.8		GGG			31	32
5784-15284	00000/0000	1-10059/0481	06/11/77	10	4876	3851N	09845W	47.8	97.9		GGG			31	33
5784-15291	00000/0000	1-10059/0482	06/11/77	10	4876	3726N	09913W	47.7	96.1		GGG			31	34
5784-15293	00000/0000	1-10059/0483	06/11/77	10	4876	3600N	09940W	47.5	94.3		GGG			31	35
5784-15300	00000/0000	1-10059/0484	06/11/77	10	4876	3435N	10007W	47.4	92.5		FFF			31	36
5784-17090	00000/0000	1-10059/0578	06/11/77	10	4877	4849N	12046W	47.4	111.3		GGG			49	26

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5784-17093	00000/0000	1-10059/0579	06/11/77	50	4877	4725N	12122W	47.6	109.3		GGG			49	27
5784-17095	00000/0000	1-10059/0580	06/11/77	80	4877	4559N	12157W	47.7	107.4		GGG			49	28
5784-17102	00000/0000	1-10059/0581	06/11/77	90	4877	4434N	12230W	47.8	105.5		GGG			49	29
5784-17104	00000/0000	1-10059/0582	06/11/77	90	4877	4308N	12302W	47.9	103.6		GGG			49	30
5784-17111	00000/0000	1-10059/0583	06/11/77	70	4877	4143N	12333W	47.9	101.7		GGG			49	31
5784-17113	00000/0000	1-10059/0584	06/11/77	50	4877	4017N	12403W	47.9	99.8		GGG			49	32
5784-17120	00000/0000	1-10059/0585	06/11/77	60	4877	3852N	12432W	47.8	98.0		GGG			49	33
5786-13591	00000/0000	1-10059/0586	06/13/77	70	4903	3018N	07821W	46.5	87.2		GGG			15	39
5786-13594	00000/0000	1-10059/0587	06/13/77	60	4903	2853N	07846W	46.1	85.6		GGG			15	40
5786-14000	00000/0000	1-10059/0588	06/13/77	20	4903	2728N	07909W	45.7	84.0		GGG			15	41
5786-14003	00000/0000	1-10059/0589	06/13/77	10	4903	2602N	07932W	45.3	82.5		GGG			15	42
5786-14005	00000/0000	1-10059/0590	06/13/77	10	4903	2435N	07954W	44.9	81.0		FFF			15	43
5786-15373	00000/0000	1-10059/0523	06/13/77	60	4904	4723N	09828W	47.6	109.0		GGG			33	27
5786-15375	00000/0000	1-10059/0524	06/13/77	30	4904	4558N	09902W	47.7	107.1		GGG			33	28
5786-15382	00000/0000	1-10059/0525	06/13/77	50	4904	4433N	09935W	47.8	105.2		GGG			33	29
5786-15384	00000/0000	1-10059/0526	06/13/77	70	4904	4307N	10007W	47.8	103.3		GGG			33	30
5786-15391	00000/0000	1-10059/0527	06/13/77	50	4904	4142N	10038W	47.8	101.4		GGG			33	31
5786-15393	00000/0000	1-10059/0528	06/13/77	70	4904	4017N	10107W	47.8	99.5		GGG			33	32
5786-15400	00000/0000	1-10059/0529	06/13/77	50	4904	3852N	10136W	47.7	97.7		GGG			33	33
5786-15402	00000/0000	1-10059/0530	06/13/77	20	4904	3726N	10205W	47.6	95.8		GGG			33	34
5786-15405	00000/0000	1-10059/0531	06/13/77	10	4904	3601N	10232W	47.5	94.1		GGG			33	35
5786-15411	00000/0000	1-10059/0532	06/13/77	0	4904	3435N	10258W	47.3	92.3		GGG			33	36
5786-15414	00000/0000	1-10059/0533	06/13/77	10	4904	3309N	10323W	47.1	90.6		GGG			33	37
5786-15420	00000/0000	1-10059/0534	06/13/77	10	4904	3143N	10348W	46.8	88.9		GGG			33	38
5786-15423	00000/0000	1-10059/0535	06/13/77	0	4904	3017N	10413W	46.5	87.2		GGG			33	39
5786-15425	00000/0000	1-10059/0536	06/13/77	0	4904	2852N	10437W	46.1	85.6		GGG			33	40
5786-15432	00000/0000	1-10059/0537	06/13/77	0	4904	2726N	10500W	45.7	84.0		GGG			33	41
5787-13595	00000/0000	1-10059/0538	06/14/77	40	4917	4724N	07402W	47.6	108.9		GGG			16	27
5787-14001	00000/0000	1-10059/0539	06/14/77	60	4917	4600N	07435W	47.7	107.0		GGG			16	28
5787-14004	00000/0000	1-10059/0540	06/14/77	60	4917	4435N	07508W	47.8	105.1		GGG			16	29
5787-14010	00000/0000	1-10059/0541	06/14/77	90	4917	4309N	07541W	47.8	103.2		GGG			16	30
5787-14013	00000/0000	1-10059/0542	06/14/77	90	4917	4142N	07613W	47.8	101.3		GGG			16	31
5787-14015	00000/0000	1-10059/0543	06/14/77	90	4917	4016N	07643W	47.8	99.4		GGG			16	32
5787-14022	00000/0000	1-10059/0544	06/14/77	90	4917	3851N	07712W	47.7	97.6		GGG			16	33
5787-14024	00000/0000	1-10059/0545	06/14/77	80	4917	3727N	07740W	47.6	95.8		GGG			16	34
5787-14031	00000/0000	1-10059/0546	06/14/77	70	4917	3604N	07807W	47.4	94.0		GGG			16	35

KEYS: CLOUD COVER X 0 TO 100 = X CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5787-14033	00000/0000	1-10059/0547	06/14/77	90	4917	3437N	07832W	47.2	92.2		GGG			16	36
5787-14040	00000/0000	1-10059/0548	06/14/77	70	4917	3309N	07858W	47.0	90.5		FGF			16	37
5787-14042	00000/0000	1-10059/0549	06/14/77	40	4917	3142N	07923W	46.7	88.8		FGF			16	38
5787-14045	00000/0000	1-10059/0550	06/14/77	30	4917	3015N	07947W	46.4	87.1		GGG			16	39
5787-14051	00000/0000	1-10059/0551	06/14/77	10	4917	2850N	08011W	46.1	85.5		GGG			16	40
5787-14054	00000/0000	1-10059/0552	06/14/77	10	4917	2725N	08035W	45.7	83.9		GGG			16	41
5787-14060	00000/0000	1-10059/0553	06/14/77	20	4917	2559N	08058W	45.3	82.4		GGG			16	42
5787-14063	00000/0000	1-10059/0554	06/14/77	10	4917	2431N	08120W	44.8	80.9		GGG			16	43
5787-15453	00000/0000	1-10059/0555	06/14/77	0	4918	3851N	10302W	47.7	97.5		GGG			34	33
5787-15460	00000/0000	1-10059/0556	06/14/77	0	4918	3725N	10330W	47.6	95.7		GGG			34	34
5787-15462	00000/0000	1-10059/0557	06/14/77	0	4918	3559N	10357W	47.4	93.9		GGG			34	35
5787-15465	00000/0000	1-10059/0558	06/14/77	0	4918	3433N	10423W	47.2	92.2		GGG			34	36
5787-15471	00000/0000	1-10059/0559	06/14/77	10	4918	3308N	10448W	47.0	90.4		GGG			34	37
5787-15474	00000/0000	1-10059/0560	06/14/77	10	4918	3142N	10513W	46.7	88.8		GGG			34	38
5787-15480	00000/0000	1-10059/0561	06/14/77	10	4918	3016N	10538W	46.4	87.1		GGG			34	39
5787-15483	00000/0000	1-10059/0562	06/14/77	0	4918	2850N	10602W	46.1	85.5		GGG			34	40
5788-14053	00000/0000	1-10059/0563	06/15/77	10	4931	4724N	07528W	47.5	108.8		GGG			17	27
5788-14055	00000/0000	1-10059/0564	06/15/77	0	4931	4600N	07601W	47.7	106.8		GGG			17	28
5788-14062	00000/0000	1-10059/0565	06/15/77	0	4931	4434N	07635W	47.7	104.9		GGG			17	29
5788-14064	00000/0000	1-10059/0566	06/15/77	20	4931	4309N	07707W	47.8	103.0		GGG			17	30
5788-14071	00000/0000	1-10059/0567	06/15/77	80	4931	4143N	07739W	47.8	101.2		GGG			17	31
5788-14073	00000/0000	1-10059/0568	06/15/77	90	4931	4018N	07809W	47.8	99.3		GGG			17	32
5788-15493	00000/0000	1-10059/0491	06/15/77	60	4932	4432N	10227W	47.7	104.9		FGG			35	29
5788-15500	00000/0000	1-10059/0492	06/15/77	10	4932	4306N	10259W	47.8	103.0		FGG			35	30
5788-15502	00000/0000	1-10059/0493	06/15/77	0	4932	4141N	10330W	47.8	101.1		FGG			35	31
5788-15505	00000/0000	1-10059/0494	06/15/77	0	4932	4016N	10359W	47.8	99.3		GGG			35	32
5788-15511	00000/0000	1-10059/0495	06/15/77	0	4932	3850N	10428W	47.7	97.4		GGG			35	33
5788-15514	00000/0000	1-10059/0496	06/15/77	0	4932	3725N	10456W	47.6	95.6		GGG			35	34
5788-15520	00000/0000	1-10059/0497	06/15/77	0	4932	3559N	10523W	47.4	93.8		GGG			35	35
5788-15523	00000/0000	1-10059/0498	06/15/77	0	4932	3434N	10549W	47.2	92.1		GGG			35	36
5788-15525	00000/0000	1-10059/0499	06/15/77	0	4932	3309N	10616W	47.0	90.3		GGG			35	37
5788-15532	00000/0000	1-10059/0500	06/15/77	0	4932	3143N	10641W	46.7	88.6		GGG			35	38
5788-15534	00000/0000	1-10059/0501	06/15/77	0	4932	3016N	10705W	46.4	87.0		FGG			35	39
5788-20530	00000/0000	1-10059/0606	06/15/77	10	4935	6528N	16716W	42.6	135.9		GGG			90	14
5788-20533	00000/0000	1-10059/0607	06/15/77	10	4935	6408N	16835W	43.1	133.5		GGG			90	15
5788-20535	00000/0000	1-10059/0608	06/15/77	10	4935	6247N	16947W	43.7	131.3		GGG			90	16

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5788-20542	00000/0000	1-10059/0609	06/15/77	10	4935	6125N	17055W	44.2	129.1		GGG			89	17
5788-20544	00000/0000	1-10059/0610	06/15/77	20	4935	6002N	17158W	44.7	126.9		GGG			89	18
5788-20551	00000/0000	1-10059/0611	06/15/77	20	4935	5839N	17256W	45.2	124.8		GGG			89	19
5788-20553	00000/0000	1-10059/0612	06/15/77	0	4935	5715N	17350W	45.6	122.7		GGG			89	20
5788-20560	00000/0000	1-10059/0613	06/15/77	60	4935	5552N	17439W	46.0	120.7		GGG			89	21
5788-20562	00000/0000	1-10059/0614	06/15/77	90	4935	5428N	17524W	46.3	118.6		GGG			89	22
5788-20565	00000/0000	1-10059/0615	06/15/77	100	4935	5304N	17607W	46.6	116.6		GGG			89	23
5788-20571	00000/0000	1-10059/0616	06/15/77	90	4935	5139N	17650W	46.9	114.7		GGG			89	24
5789-14104	00000/0000	1-10059/0658	06/16/77	80	4945	4848N	07621W	47.4	110.6		GGG			18	26
5789-14110	00000/0000	1-10059/0659	06/16/77	90	4945	4723N	07657W	47.5	108.7		GGG			18	27
5789-14113	00000/0000	1-10059/0660	06/16/77	80	4945	4558N	07731W	47.6	106.7		GGG			18	28
5789-14115	00000/0000	1-10059/0661	06/16/77	90	4945	4433N	07804W	47.7	104.8		GGG			18	29
5789-14122	00000/0000	1-10059/0662	06/16/77	30	4945	4308N	07835W	47.8	102.9		GGG			18	30
5789-14124	00000/0000	1-10059/0663	06/16/77	10	4945	4142N	07906W	47.8	101.0		GGG			18	31
5789-14131	00000/0000	1-10059/0667	06/16/77	10	4945	4016N	07935W	47.7	99.2		GG			18	32
5789-14133	00000/0000	1-10059/0664	06/16/77	30	4945	3851N	08004W	47.6	97.3		GGG			18	33
5789-14140	00000/0000	1-10059/0665	06/16/77	50	4945	3726N	08032W	47.5	95.5		GGG			18	34
5789-14142	00000/0000	1-10059/0666	06/16/77	80	4945	3600N	08059W	47.4	93.7		GGG			18	35
5789-15540	00000/0000	1-10059/0617	06/16/77	50	4946	4847N	10210W	47.4	110.6		GGG			36	26
5789-15542	00000/0000	1-10059/0618	06/16/77	30	4946	4721N	10247W	47.5	108.6		GGG			36	27
5789-15545	00000/0000	1-10059/0619	06/16/77	20	4946	4555N	10320W	47.6	106.7		GGG			36	28
5789-15551	00000/0000	1-10059/0620	06/16/77	30	4946	4430N	10352W	47.7	104.8		GGG			36	29
5789-15554	00000/0000	1-10059/0621	06/16/77	20	4946	4306N	10424W	47.8	102.9		GGG			36	30
5789-15560	00000/0000	1-10059/0622	06/16/77	10	4946	4142N	10456W	47.8	101.0		GGG			36	31
5789-15563	00000/0000	1-10059/0623	06/16/77	20	4946	4017N	10526W	47.7	99.1		GGG			36	32
5789-15565	00000/0000	1-10059/0624	06/16/77	10	4946	3851N	10554W	47.6	97.3		GGG			36	33
5789-15572	00000/0000	1-10059/0625	06/16/77	10	4946	3724N	10622W	47.5	95.5		GGG			36	34
5789-15574	00000/0000	1-10059/0626	06/16/77	0	4946	3557N	10650W	47.3	93.7		GGG			36	35
5789-15581	00000/0000	1-10059/0627	06/16/77	0	4946	3431N	10716W	47.1	92.0		GGG			36	36
5789-15583	00000/0000	1-10059/0628	06/16/77	0	4946	3306N	10742W	46.9	90.2		GGG			36	37
5789-15590	00000/0000	1-10059/0629	06/16/77	0	4946	3141N	10806W	46.6	88.6		GGG			36	38
5789-15592	00000/0000	1-10059/0630	06/16/77	0	4946	3015N	10830W	46.3	86.9		GGG			36	39
5789-20573	00000/0000	1-10059/0668	06/16/77	10	4949	6929N	16348W	40.7	143.5		GGG			91	11
5789-20575	00000/0000	1-10059/0669	06/16/77	20	4949	6809N	16537W	41.3	140.8		GGG			91	12
5789-20582	00000/0000	1-10059/0670	06/16/77	10	4949	6649N	16715W	42.0	138.2		GGG			91	13
5789-20584	00000/0000	1-10059/0671	06/16/77	10	4949	6529N	16843W	42.6	135.7		GGG			91	14

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LANDSAT-1
OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5790-15593	00000/0000	1-10059/0631	06/17/77	30	4960	4847N	10337W	47.3	110.4					37	26
5790-16000	00000/0000	1-10059/0632	06/17/77	70	4960	4721N	10413W	47.5	108.5					37	27
5790-16002	00000/0000	1-10059/0633	06/17/77	50	4960	4556N	10447W	47.6	106.6					37	28
5790-16005	00000/0000	1-10059/0634	06/17/77	40	4960	4431N	10520W	47.7	104.7					37	29
5790-16011	00000/0000	1-10059/0635	06/17/77	10	4960	4306N	10552W	47.7	102.8					37	30
5790-16014	00000/0000	1-10059/0636	06/17/77	10	4960	4142N	10622W	47.7	100.9					37	31
5790-16020	00000/0000	1-10059/0637	06/17/77	10	4960	4017N	10652W	47.7	99.0					37	32
5790-16023	00000/0000	1-10059/0638	06/17/77	30	4960	3851N	10720W	47.6	97.2					37	33
5790-16025	00000/0000	1-10059/0639	06/17/77	10	4960	3725N	10748W	47.5	95.4					37	34
5790-16032	00000/0000	1-10059/0640	06/17/77	10	4960	3600N	10815W	47.3	93.6					37	35
5790-16034	00000/0000	1-10059/0641	06/17/77	10	4960	3435N	10842W	47.1	91.9					37	36
5790-16041	00000/0000	1-10059/0642	06/17/77	0	4960	3310N	10908W	46.8	90.2					37	37
5790-16043	00000/0000	1-10059/0643	06/17/77	0	4960	3143N	10933W	46.6	88.5					37	38
5790-16050	00000/0000	1-10059/0644	06/17/77	0	4960	3015N	10958W	46.2	86.8					37	39
5790-21030	00000/0000	1-10059/0502	06/17/77	50	4963	6927N	16518W	40.7	143.3					92	11
5790-21033	00000/0000	1-10059/0503	06/17/77	30	4963	6808N	16705W	41.3	140.6					92	12
5790-21035	00000/0000	1-10059/0504	06/17/77	10	4963	6648N	16842W	42.0	138.1					92	13
5790-21042	00000/0000	1-10059/0505	06/17/77	10	4963	6528N	17010W	42.6	135.6					92	14
5790-21044	00000/0000	1-10059/0506	06/17/77	10	4963	6407N	17129W	43.2	133.3					92	15
5790-21083	00000/0000	1-10059/0507	06/17/77	90	4963	5139N	17941W	46.9	114.4					91	24
5791-16054	00000/0000	1-10060/0013	06/18/77	10	4974	4725N	10537W	47.4	108.5					38	27
5791-16060	00000/0000	1-10060/0014	06/18/77	20	4974	4600N	10612W	47.6	106.5					38	28
5791-16063	00000/0000	1-10060/0015	06/18/77	70	4974	4435N	10645W	47.6	104.6					38	29
5791-16065	00000/0000	1-10060/0016	06/18/77	80	4974	4311N	10718W	47.7	102.7					38	30
5791-16072	00000/0000	1-10060/0017	06/18/77	10	4974	4146N	10749W	47.7	100.9					38	31
5791-16074	00000/0000	1-10060/0018	06/18/77	0	4974	4021N	10818W	47.6	99.0					38	32
5791-16081	00000/0000	1-10060/0019	06/18/77	0	4974	3854N	10846W	47.5	97.2					38	33
5791-16083	00000/0000	1-10060/0020	06/18/77	0	4974	3727N	10914W	47.4	95.4					38	34
5791-16090	00000/0000	1-10060/0021	06/18/77	10	4974	3602N	10942W	47.3	93.6					38	35
5791-16092	00000/0000	1-10060/0022	06/18/77	10	4974	3439N	11009W	47.0	91.9					38	36
5791-16095	00000/0000	1-10060/0023	06/18/77	10	4974	3314N	11035W	46.8	90.1					38	37
5791-16101	00000/0000	1-10060/0024	06/18/77	10	4974	3147N	11059W	46.5	88.5					38	38
5791-16104	00000/0000	1-10060/0025	06/18/77	10	4974	3019N	11123W	46.2	86.8					38	39
5792-14303	00000/0000	1-10059/0686	06/19/77	40	4987	3850N	08422W	47.5	97.1					21	33
5792-14305	00000/0000	1-10059/0687	06/19/77	80	4987	3724N	08450W	47.4	95.3					21	34
5792-14312	00000/0000	1-10059/0688	06/19/77	20	4987	3558N	08516W	47.2	93.5					21	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5792-14314	00000/0000	1-10059/0689	06/19/77	10	4987	3432N	08543W	47.0	91.7		GGG			21	36
5792-14321	00000/0000	1-10059/0690	06/19/77	20	4987	3306N	08608W	46.7	90.0		GGG			21	37
5792-14323	00000/0000	1-10059/0691	06/19/77	10	4987	3141N	08634W	46.5	88.4		GGG			21	38
5792-14330	00000/0000	1-10059/0692	06/19/77	30	4987	3016N	08659W	46.1	86.7		GGG			21	39
5792-14332	00000/0000	1-10059/0693	06/19/77	10	4987	2851N	08724W	45.8	85.1		GGG			21	40
5792-14335	00000/0000	1-10059/0694	06/19/77	10	4987	2725N	08747W	45.4	83.5		GGG			21	41
5792-16105	00000/0000	1-10059/0672	06/19/77	10	4988	4849N	10627W	47.3	110.3		GGG			39	26
5792-16111	00000/0000	1-10059/0673	06/19/77	10	4988	4725N	10704W	47.4	108.4		GGG			39	27
5792-16114	00000/0000	1-10059/0674	06/19/77	10	4988	4600N	10738W	47.5	106.4		GGG			39	28
5792-16120	00000/0000	1-10059/0675	06/19/77	10	4988	4435N	10811W	47.6	104.5		GGG			39	29
5792-16123	00000/0000	1-10059/0676	06/19/77	10	4988	4310N	10843W	47.6	102.7		GGG			39	30
5792-16125	00000/0000	1-10059/0677	06/19/77	0	4988	4144N	10913W	47.6	100.8		GGG			39	31
5792-16132	00000/0000	1-10059/0678	06/19/77	0	4988	4019N	10943W	47.6	98.9		GGF			39	32
5792-16134	00000/0000	1-10059/0679	06/19/77	0	4988	3853N	11011W	47.5	97.1		GGG			39	33
5792-16141	00000/0000	1-10059/0680	06/19/77	0	4988	3728N	11039W	47.4	95.3		GGG			39	34
5792-16143	00000/0000	1-10059/0681	06/19/77	10	4988	3602N	11107W	47.2	93.5		GGG			39	35
5792-16150	00000/0000	1-10059/0682	06/19/77	10	4988	3437N	11134W	47.0	91.8		GGG			39	36
5792-16152	00000/0000	1-10059/0683	06/19/77	10	4988	3311N	11159W	46.7	90.1		GGG			39	37
5792-16155	00000/0000	1-10059/0684	06/19/77	10	4988	3145N	11223W	46.5	88.4		GGG			39	38
5792-16161	00000/0000	1-10059/0685	06/19/77	0	4988	3018N	11248W	46.1	86.7		GGG			39	39
5792-19304	00000/0000	1-10060/0122	06/19/77	80	4990	7047N	14017W	40.0	146.1		GGG			76	10
5792-19310	00000/0000	1-10060/0123	06/19/77	60	4990	6930N	14218W	40.7	143.2		GGG			76	11
5792-19313	00000/0000	1-10060/0124	06/19/77	70	4990	6812N	14407W	41.3	140.5		GGG			76	12
5792-19315	00000/0000	1-10060/0125	06/19/77	70	4990	6652N	14545W	42.0	137.9		GGG			76	13
5792-19322	00000/0000	1-10060/0126	06/19/77	50	4990	6531N	14713W	42.6	135.5		GGG			76	14
5793-14352	00000/0000	1-10059/0695	06/20/77	20	5001	4141N	08450W	47.6	100.7		GGG			22	31
5793-14354	00000/0000	1-10059/0696	06/20/77	10	5001	4016N	08520W	47.5	98.8		GGG			22	32
5793-14361	00000/0000	1-10059/0697	06/20/77	20	5001	3850N	08548W	47.4	97.0		GGF			22	33
5793-14363	00000/0000	1-10059/0698	06/20/77	60	5001	3725N	08615W	47.3	95.2		GGG			22	34
5793-14370	00000/0000	1-10059/0699	06/20/77	80	5001	3600N	08642W	47.1	93.4		GGG			22	35
5793-14372	00000/0000	1-10059/0700	06/20/77	30	5001	3434N	08708W	46.9	91.7		GGF			22	36
5793-14375	00000/0000	1-10059/0701	06/20/77	10	5001	3308N	08735W	46.7	90.0		GGG			22	37
5793-14381	00000/0000	1-10059/0702	06/20/77	10	5001	3142N	08800W	46.4	88.3		GGG			22	38
5793-14384	00000/0000	1-10059/0703	06/20/77	40	5001	3017N	08825W	46.1	86.7		GGG			22	39
5793-14390	00000/0000	1-10059/0704	06/20/77	30	5001	2852N	08850W	45.7	85.1		GGG			22	40
5793-14393	00000/0000	1-10059/0705	06/20/77	10	5001	2726N	08913W	45.3	83.5		GGG			22	41

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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PAGE 0100

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
	RBV	MSS				LAT	LONG			RBV	MSS				
5793-16163	00000/0000	1-10059/0645	06/20/77	30	5002	4849N	10752W	47.2	110.2		GGG			40	26
5793-16165	00000/0000	1-10059/0646	06/20/77	80	5002	4725N	10829W	47.4	108.3		GGG			40	27
5793-16172	00000/0000	1-10059/0647	06/20/77	70	5002	4600N	10904W	47.5	106.4		GGG			40	28
5793-16174	00000/0000	1-10059/0648	06/20/77	10	5002	4435N	10937W	47.5	104.5		GGG			40	29
5793-16181	00000/0000	1-10059/0649	06/20/77	80	5002	4310N	11009W	47.6	102.6		GGG			40	30
5793-16183	00000/0000	1-10059/0650	06/20/77	40	5002	4144N	11039W	47.6	100.7		GGG			40	31
5793-16190	00000/0000	1-10059/0651	06/20/77	10	5002	4019N	11109W	47.5	98.9		GGG			40	32
5793-16192	00000/0000	1-10059/0652	06/20/77	10	5002	3853N	11139W	47.4	97.0		GGG			40	33
5793-16195	00000/0000	1-10059/0653	06/20/77	10	5002	3727N	11207W	47.3	95.2		GGG			40	34
5793-16201	00000/0000	1-10059/0654	06/20/77	10	5002	3601N	11234W	47.1	93.5		GGG			40	35
5793-16204	00000/0000	1-10059/0655	06/20/77	0	5002	3436N	11300W	46.9	91.7		GGG			40	36
5793-16210	00000/0000	1-10059/0656	06/20/77	0	5002	3310N	11325W	46.7	90.0		GGG			40	37
5793-16213	00000/0000	1-10059/0657	06/20/77	0	5002	3144N	11349W	46.4	88.3		GGF			40	38
5793-19362	00000/0000	1-10060/0114	06/20/77	100	5004	7047N	14144W	40.0	146.0		GGG			77	10
5793-19364	00000/0000	1-10060/0115	06/20/77	50	5004	6929N	14345W	40.7	143.1		GGG			77	11
5793-19371	00000/0000	1-10060/0116	06/20/77	30	5004	6810N	14532W	41.3	140.4		GGG			77	12
5793-19373	00000/0000	1-10060/0117	06/20/77	30	5004	6650N	14709W	42.0	137.8		GGG			77	13
5793-19380	00000/0000	1-10060/0118	06/20/77	20	5004	6529N	14836W	42.5	135.4		GGG			77	14
5793-19382	00000/0000	1-10060/0119	06/20/77	20	5004	6408N	14955W	43.1	133.0		FGG			77	15
5793-19385	00000/0000	1-10060/0120	06/20/77	10	5004	6246N	15108W	43.7	130.7		GGG			76	16
5793-19391	00000/0000	1-10060/0121	06/20/77	10	5004	6124N	15215W	44.2	128.5		GGG			76	17
5794-14385	00000/0000	1-10060/0127	06/21/77	10	5015	4847N	08330W	47.2	110.1		GGG			23	26
5794-14391	00000/0000	1-10060/0128	06/21/77	10	5015	4722N	08406W	47.3	108.2		FGG			23	27
5794-14394	00000/0000	1-10060/0129	06/21/77	10	5015	4557N	08440W	47.4	106.2		GGG			23	28
5794-14400	00000/0000	1-10060/0130	06/21/77	0	5015	4433N	08514W	47.5	104.3		GGG			23	29
5794-14403	00000/0000	1-10060/0131	06/21/77	10	5015	4307N	08546W	47.5	102.5		GGG			23	30
5794-14405	00000/0000	1-10060/0132	06/21/77	10	5015	4141N	08616W	47.5	100.6		GGG			23	31
5794-14412	00000/0000	1-10060/0133	06/21/77	20	5015	4016N	08646W	47.5	98.7		GGG			23	32
5794-14414	00000/0000	1-10060/0134	06/21/77	30	5015	3850N	08714W	47.4	96.9		GGG			23	33
5794-14421	00000/0000	1-10060/0135	06/21/77	10	5015	3725N	08742W	47.2	95.1		GGG			23	34
5794-14423	00000/0000	1-10060/0136	06/21/77	10	5015	3600N	08809W	47.1	93.4		GGG			23	35
5794-14430	00000/0000	1-10060/0137	06/21/77	10	5015	3434N	08835W	46.9	91.6		GGG			23	36
5794-14432	00000/0000	1-10060/0138	06/21/77	10	5015	3309N	08901W	46.6	89.9		GGG			23	37
5794-14435	00000/0000	1-10060/0139	06/21/77	0	5015	3144N	08926W	46.3	88.3		GGG			23	38
5794-14441	00000/0000	1-10060/0140	06/21/77	10	5015	3019N	08950W	46.0	86.6		GGG			23	39
5794-14444	00000/0000	1-10060/0141	06/21/77	20	5015	2853N	09015W	45.6	85.0		GGG			23	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION REV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL REV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG							
5794-16232	00000/0000	1-10060/0142	06/21/77	80	5016	4435N	11103W	47.5	104.4	GGG			41	29
5794-16234	00000/0000	1-10060/0143	06/21/77	20	5016	4310N	11134W	47.5	102.5	GGG			41	30
5794-16241	00000/0000	1-10060/0144	06/21/77	30	5016	4144N	11205W	47.5	100.6	GGG			41	31
5794-16243	00000/0000	1-10060/0145	06/21/77	40	5016	4018N	11235W	47.5	98.8	GGG			41	32
5794-16250	00000/0000	1-10060/0146	06/21/77	10	5016	3853N	11304W	47.4	97.0	GGF			41	33
5794-16252	00000/0000	1-10060/0147	06/21/77	20	5016	3728N	11332W	47.2	95.2	GGG			41	34
5794-16255	00000/0000	1-10060/0148	06/21/77	10	5016	3603N	11359W	47.1	93.4	GGG			41	35
5794-16261	00000/0000	1-10060/0149	06/21/77	10	5016	3437N	11425W	46.9	91.7	GGG			41	36
5794-16264	00000/0000	1-10060/0150	06/21/77	20	5016	3310N	11451W	46.6	90.0	GGG			41	37
5794-16270	00000/0000	1-10060/0151	06/21/77	10	5016	3145N	11515W	46.3	88.3	GGG			41	38
5795-14443	00000/0000	1-10060/0059	06/22/77	0	5029	4848N	08457W	47.1	110.0	GGG			24	26
5795-14445	00000/0000	1-10060/0060	06/22/77	0	5029	4722N	08533W	47.3	108.1	FGG			24	27
5795-14452	00000/0000	1-10060/0061	06/22/77	10	5029	4557N	08607W	47.4	106.2	GGG			24	28
5795-14454	00000/0000	1-10060/0062	06/22/77	10	5029	4432N	08640W	47.4	104.3	GGG			24	29
5795-14461	00000/0000	1-10060/0063	06/22/77	10	5029	4307N	08712W	47.5	102.4	GGG			24	30
5795-14463	00000/0000	1-10060/0064	06/22/77	60	5029	4142N	08743W	47.5	100.5	GGG			24	31
5795-14470	00000/0000	1-10060/0065	06/22/77	80	5029	4016N	08812W	47.4	98.7	FFG			24	32
5795-14472	00000/0000	1-10060/0066	06/22/77	80	5029	3851N	08841W	47.3	96.9	FFG			24	33
5795-14475	00000/0000	1-10060/0067	06/22/77	70	5029	3725N	08908W	47.2	95.1	QFG			24	34
5795-14481	00000/0000	1-10060/0068	06/22/77	40	5029	3600N	08934W	47.0	93.3	GGG			24	35
5795-14484	00000/0000	1-10060/0069	06/22/77	10	5029	3434N	09000W	46.8	91.6	GGG			24	36
5795-14490	00000/0000	1-10060/0070	06/22/77	10	5029	3309N	09027W	46.5	89.9	GGF			24	37
5795-14493	00000/0000	1-10060/0071	06/22/77	10	5029	3143N	09053W	46.3	88.2	GGG			24	38
5795-14495	00000/0000	1-10060/0072	06/22/77	10	5029	3018N	09118W	45.9	86.6	GGG			24	39
5795-14502	00000/0000	1-10060/0073	06/22/77	20	5029	2853N	09142W	45.6	85.0	GGG			24	40
5795-16274	00000/0000	1-10060/0026	06/22/77	10	5030	4846N	11046W	47.1	110.0	GGG			42	26
5795-16281	00000/0000	1-10060/0027	06/22/77	10	5030	4721N	11122W	47.3	108.1	GGG			42	27
5795-16283	00000/0000	1-10060/0028	06/22/77	10	5030	4556N	11157W	47.4	106.1	FFG			42	28
5795-16290	00000/0000	1-10060/0029	06/22/77	10	5030	4431N	11230W	47.4	104.2	GGG			42	29
5795-16292	00000/0000	1-10060/0030	06/22/77	10	5030	4306N	11301W	47.5	102.4	GGG			42	30
5795-16295	00000/0000	1-10060/0031	06/22/77	10	5030	4140N	11332W	47.5	100.5	GGG			42	31
5795-16301	00000/0000	1-10060/0032	06/22/77	10	5030	4015N	11402W	47.4	98.7	GGG			42	32
5795-16304	00000/0000	1-10060/0033	06/22/77	10	5030	3850N	11431W	47.3	96.9	GGG			42	33
5795-16310	00000/0000	1-10060/0034	06/22/77	10	5030	3725N	11459W	47.2	95.1	GGG			42	34
5795-16313	00000/0000	1-10060/0035	06/22/77	10	5030	3600N	11526W	47.0	93.3	GGG			42	35
5795-16315	00000/0000	1-10060/0036	06/22/77	10	5030	3434N	11552W	46.8	91.6	GGG			42	36

KEYS: CLUD COVER X 0 TO 100 = X CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FOR US
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PAGE 0102

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM,	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5795-16322	00000/0000	1-10060/0037	06/22/77	10	5030	3308N	11618W	46.5	89.9	GGG				42	37
5795-19480	00000/0000	1-10060/0108	06/22/77	90	5032	6926N	14646W	40.7	142.8	GGG				79	11
5795-19482	00000/0000	1-10060/0109	06/22/77	50	5032	6808N	14833W	41.3	140.1	GGG				79	12
5795-19485	00000/0000	1-10060/0110	06/22/77	20	5032	6649N	15009W	41.9	137.5	GGG				79	13
5795-19491	00000/0000	1-10060/0111	06/22/77	30	5032	6528N	15136W	42.5	135.1	GGG				79	14
5795-19494	00000/0000	1-10060/0112	06/22/77	60	5032	6406N	15256W	43.1	132.7	GGG				79	15
5795-19500	00000/0000	1-10060/0113	06/22/77	60	5032	6244N	15408W	43.6	130.5	GGG				79	16
5796-14501	00000/0000	1-10060/0056	06/23/77	80	5043	4848N	08623W	47.1	110.0	GGG				25	26
5796-14503	00000/0000	1-10060/0057	06/23/77	100	5043	4723N	08659W	47.2	108.0	GGG				25	27
5796-14510	00000/0000	1-10060/0058	06/23/77	100	5043	4558N	08733W	47.3	106.1	GGG				25	28
5796-16332	00000/0000	1-10060/0099	06/23/77	30	5044	4846N	11212W	47.1	109.9	GGG				43	26
5796-16335	00000/0000	1-10060/0100	06/23/77	10	5044	4721N	11249W	47.2	108.0	GGG				43	27
5796-16341	00000/0000	1-10060/0101	06/23/77	10	5044	4557N	11323W	47.3	106.1	GGG				43	28
5796-16344	00000/0000	1-10060/0102	06/23/77	10	5044	4432N	11356W	47.4	104.2	GGG				43	29
5796-16350	00000/0000	1-10060/0103	06/23/77	20	5044	4307N	11428W	47.4	102.3	GGG				43	30
5796-16353	00000/0000	1-10060/0104	06/23/77	10	5044	4141N	11459W	47.4	100.5	GGG				43	31
5796-16355	00000/0000	1-10060/0105	06/23/77	10	5044	4016N	11529W	47.3	98.6	GGG				43	32
5796-16362	00000/0000	1-10060/0106	06/23/77	10	5044	3851N	11557W	47.2	96.8	GGG				43	33
5796-16364	00000/0000	1-10060/0107	06/23/77	10	5044	3727N	11626W	47.1	95.0	GGG				43	34
5796-19543	00000/0000	1-10060/0045	06/23/77	20	5046	6648N	15131W	41.9	137.4	GGG				80	13
5796-19545	00000/0000	1-10060/0046	06/23/77	10	5046	6527N	15259W	42.5	135.0	GGG				80	14
5796-19552	00000/0000	1-10060/0047	06/23/77	10	5046	6405N	15419W	43.0	132.6	GGG				80	15
5796-19554	00000/0000	1-10060/0048	06/23/77	10	5046	6244N	15532W	43.6	130.4	GGG				80	16
5796-19561	00000/0000	1-10060/0049	06/23/77	10	5046	6121N	15639W	44.1	128.2	GGG				80	17
5797-16390	00000/0000	1-10060/0210	06/24/77	40	5058	4847N	11339W	47.0	109.9	GGG				44	26
5797-16392	00000/0000	1-10060/0211	06/24/77	20	5058	4722N	11415W	47.1	107.9	GGG				44	27
5797-16395	00000/0000	1-10060/0212	06/24/77	10	5058	4557N	11450W	47.2	106.0	GGG				44	28
5797-16401	00000/0000	1-10060/0213	06/24/77	10	5058	4432N	11523W	47.3	104.1	GGG				44	29
5797-16404	00000/0000	1-10060/0214	06/24/77	10	5058	4308N	11555W	47.3	102.3	GGG				44	30
5797-16410	00000/0000	1-10060/0215	06/24/77	10	5058	4143N	11626W	47.3	100.4	GGG				44	31
5797-16413	00000/0000	1-10060/0216	06/24/77	0	5058	4018N	11656W	47.3	98.6	GGG				44	32
5797-16415	00000/0000	1-10060/0217	06/24/77	10	5058	3854N	11724W	47.2	96.8	GGG				44	33
5797-16422	00000/0000	1-10060/0218	06/24/77	20	5058	3728N	11752W	47.0	95.0	GGG				44	34
5797-16424	00000/0000	1-10060/0219	06/24/77	10	5058	3602N	11819W	46.9	93.2	GGG				44	35
5797-16431	00000/0000	1-10060/0220	06/24/77	30	5058	3436N	11845W	46.6	91.5	GGG				44	36
5797-16433	00000/0000	1-10060/0221	06/24/77	100	5058	3310N	11911W	46.4	89.8	GGG				44	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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PAGE 0103

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5797-19592	00000/0000	1-10060/0178	06/24/77	100	5060	6926N	14932W	40.6	142.6		GGG			81	11
5797-19594	00000/0000	1-10060/0179	06/24/77	90	5060	6808N	15120W	41.2	139.9		GGG			81	12
5797-20001	00000/0000	1-10060/0180	06/24/77	80	5060	6648N	15258W	41.9	137.3		GGG			81	13
5797-20003	00000/0000	1-10060/0181	06/24/77	20	5060	6527N	15426W	42.4	134.9		GGG			81	14
5797-20010	00000/0000	1-10060/0182	06/24/77	10	5060	6406N	15546W	43.0	132.6		GGG			81	15
5797-20012	00000/0000	1-10060/0183	06/24/77	10	5060	6244N	15658W	43.5	130.3		GGG			81	16
5797-20015	00000/0000	1-10060/0184	06/24/77	10	5060	6122N	15805W	44.0	128.1		GGG			81	17
5798-15012	00000/0000	1-10060/0203	06/25/77	0	5071	4846N	08915W	46.9	109.9		GGG			27	26
5798-15015	00000/0000	1-10060/0204	06/25/77	10	5071	4722N	08951W	47.1	107.9		GGF			27	27
5798-15021	00000/0000	1-10060/0205	06/25/77	10	5071	4557N	09026W	47.2	106.0		GGP			27	28
5798-15024	00000/0000	1-10060/0206	06/25/77	10	5071	4433N	09100W	47.2	104.1		GGF			27	29
5798-15030	00000/0000	1-10060/0207	06/25/77	10	5071	4309N	09131W	47.3	102.3		GGF			27	30
5798-15033	00000/0000	1-10060/0208	06/25/77	0	5071	4144N	09201W	47.2	100.4		GGF			27	31
5798-15035	00000/0000	1-10060/0209	06/25/77	20	5071	4018N	09230W	47.2	98.6		GGF			27	32
5798-16444	00000/0000	1-10060/0191	06/25/77	50	5072	4847N	11505W	46.9	109.8		GGG			45	26
5798-16450	00000/0000	1-10060/0192	06/25/77	20	5072	4722N	11541W	47.1	107.9		GGG			45	27
5798-16453	00000/0000	1-10060/0193	06/25/77	10	5072	4557N	11615W	47.2	106.0		GGG			45	28
5798-16455	00000/0000	1-10060/0194	06/25/77	10	5072	4432N	11648W	47.2	104.1		GGG			45	29
5798-16462	00000/0000	1-10060/0195	06/25/77	10	5072	4307N	11720W	47.3	102.2		GGG			45	30
5798-16464	00000/0000	1-10060/0196	06/25/77	0	5072	4142N	11750W	47.2	100.4		GGG			45	31
5798-16471	00000/0000	1-10060/0197	06/25/77	10	5072	4017N	11820W	47.2	98.6		GFG			45	32
5798-16473	00000/0000	1-10060/0198	06/25/77	10	5072	3851N	11850W	47.1	96.8		GGG			45	33
5798-16480	00000/0000	1-10060/0199	06/25/77	10	5072	3726N	11919W	47.0	95.0		GGG			45	34
5798-16482	00000/0000	1-10060/0200	06/25/77	20	5072	3601N	11946W	46.8	93.2		GGG			45	35
5798-16485	00000/0000	1-10060/0201	06/25/77	60	5072	3436N	12013W	46.6	91.5		GGG			45	36
5798-16491	00000/0000	1-10060/0202	06/25/77	100	5072	3311N	12038W	46.3	89.8		GFG			45	37
5798-20052	00000/0000	1-10060/0050	06/25/77	90	5074	6806N	15246W	41.2	139.8		GGG			82	12
5798-20054	00000/0000	1-10060/0051	06/25/77	30	5074	6647N	15423W	41.8	137.3		GGG			82	13
5798-20061	00000/0000	1-10060/0052	06/25/77	10	5074	6528N	15551W	42.4	134.8		GGG			82	14
5798-20063	00000/0000	1-10060/0053	06/25/77	0	5074	6406N	15711W	42.9	132.5		GGG			82	15
5798-20070	00000/0000	1-10060/0054	06/25/77	10	5074	6245N	15824W	43.5	130.2		GGG			82	16
5798-20072	00000/0000	1-10060/0055	06/25/77	10	5074	6123N	15931W	44.0	128.0		GGG			82	17
5799-15072	00000/0000	1-10060/0185	06/26/77	30	5085	4724N	09116W	47.0	107.9		GG			28	27
5799-15075	00000/0000	1-10060/0186	06/26/77	10	5085	4559N	09151W	47.1	106.0		GGP			28	28
5799-15081	00000/0000	1-10060/0187	06/26/77	10	5085	4434N	09223W	47.2	104.1		GGP			28	29
5799-15084	00000/0000	1-10060/0188	06/26/77	0	5085	4310N	09255W	47.2	102.3		GGF			28	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0104

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5799-15090	00000/0000	1-10060/0189	06/26/77	0	5085	4145N	09326W	47.2	100.4		GGF			28	31
5799-15093	00000/0000	1-10060/0190	06/26/77	30	5085	4019N	09356W	47.1	98.6		GG			28	32
5799-16504	00000/0000	1-10060/0231	06/26/77	30	5086	4722N	11706W	47.0	107.9		GGG			46	27
5799-16511	00000/0000	1-10060/0232	06/26/77	30	5086	4557N	11741W	47.1	106.0		GGG			46	28
5799-16513	00000/0000	1-10060/0233	06/26/77	10	5086	4433N	11813W	47.2	104.1		GFF			46	29
5799-16520	00000/0000	1-10060/0234	06/26/77	0	5086	4308N	11845W	47.2	102.2		GGG			46	30
5799-16522	00000/0000	1-10060/0235	06/26/77	0	5086	4143N	11917W	47.2	100.4		GGG			46	31
5799-16525	00000/0000	1-10060/0236	06/26/77	0	5086	4018N	11947W	47.1	98.6		GGG			46	32
5799-16531	00000/0000	1-10060/0237	06/26/77	10	5086	3854N	12016W	47.0	96.8		GFG			46	33
5799-16534	00000/0000	1-10060/0238	06/26/77	10	5086	3729N	12045W	46.9	95.0		GGG			46	34
5799-16540	00000/0000	1-10060/0239	06/26/77	50	5086	3603N	12111W	46.7	93.2		GFG			46	35
5799-16543	00000/0000	1-10060/0240	06/26/77	90	5086	3436N	12138W	46.5	91.5		GGG			46	36
5799-20103	00000/0000	1-10060/0038	06/26/77	90	5088	6928N	15226W	40.5	142.5		GGG			83	11
5799-20110	00000/0000	1-10060/0039	06/26/77	90	5088	6809N	15414W	41.1	139.8		GGG			83	12
5799-20112	00000/0000	1-10060/0040	06/26/77	70	5088	6649N	15552W	41.8	137.2		GGG			83	13
5799-20115	00000/0000	1-10060/0041	06/26/77	10	5088	6529N	15719W	42.3	134.8		GGG			83	14
5799-20121	00000/0000	1-10060/0042	06/26/77	0	5088	6408N	15839W	42.9	132.4		GGG			83	15
5799-20124	00000/0000	1-10060/0043	06/26/77	10	5088	6246N	15951W	43.4	130.2		GGG			83	16
5799-20130	00000/0000	1-10060/0044	06/26/77	50	5088	6123N	16059W	43.9	128.0		GGG			83	17
5800-15124	00000/0000	1-10060/0161	06/27/77	90	5099	4845N	09208W	46.8	109.7		GGP			29	26
5800-15130	00000/0000	1-10060/0162	06/27/77	40	5099	4720N	09243W	46.9	107.8		GG			29	27
5800-15133	00000/0000	1-10060/0163	06/27/77	20	5099	4555N	09317W	47.0	105.9		GGF			29	28
5800-15135	00000/0000	1-10060/0164	06/27/77	10	5099	4431N	09350W	47.1	104.0		GGF			29	29
5800-15142	00000/0000	1-10060/0165	06/27/77	10	5099	4306N	09421W	47.1	102.2		GGG			29	30
5800-15144	00000/0000	1-10060/0166	06/27/77	10	5099	4141N	09452W	47.1	100.3		GGG			29	31
5800-15151	00000/0000	1-10060/0167	06/27/77	0	5099	4016N	09523W	47.0	98.5		GGG			29	32
5800-15153	00000/0000	1-10060/0168	06/27/77	10	5099	3850N	09552W	46.9	96.7		GGG			29	33
5800-15160	00000/0000	1-10060/0169	06/27/77	10	5099	3725N	09619W	46.8	94.9		GGF			29	34
5800-15162	00000/0000	1-10060/0170	06/27/77	10	5099	3600N	09646W	46.6	93.2		GGF			29	35
5800-15165	00000/0000	1-10060/0171	06/27/77	50	5099	3435N	09711W	46.4	91.5		GGP			29	36
5800-15171	00000/0000	1-10060/0172	06/27/77	30	5099	3309N	09736W	46.2	89.8		GGF			29	37
5800-15174	00000/0000	1-10060/0173	06/27/77	10	5099	3143N	09801W	45.9	88.2		GGG			29	38
5800-15180	00000/0000	1-10060/0174	06/27/77	10	5099	3017N	09826W	45.5	86.6		GGG			29	39
5800-15183	00000/0000	1-10060/0175	06/27/77	10	5099	2851N	09851W	45.2	85.0		GGG			29	40
5800-15185	00000/0000	1-10060/0176	06/27/77	20	5099	2724N	09915W	44.8	83.4		GGF			29	41
5800-15192	00000/0000	1-10060/0177	06/27/77	0	5099	2556N	09937W	44.4	82.0		GGF			29	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0105

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5800-16562	00000/0000	1-10060/0152	06/27/77	10	5100	4723N	11833W	46.9	107.9		GGG			47	27
5800-16564	00000/0000	1-10060/0153	06/27/77	10	5100	4558N	11907W	47.0	106.0		GGG			47	28
5800-16571	00000/0000	1-10060/0154	06/27/77	10	5100	4433N	11939W	47.1	104.1		GGG			47	29
5800-16573	00000/0000	1-10060/0155	06/27/77	10	5100	4308N	12011W	47.1	102.2		GGG			47	30
5800-16580	00000/0000	1-10060/0156	06/27/77	0	5100	4143N	12042W	47.1	100.4		GGG			47	31
5800-16582	00000/0000	1-10060/0157	06/27/77	10	5100	4018N	12112W	47.0	98.6		GGG			47	32
5800-16585	00000/0000	1-10060/0158	06/27/77	10	5100	3853N	12141W	46.9	96.8		GGG			47	33
5800-16591	00000/0000	1-10060/0159	06/27/77	40	5100	3728N	12210W	46.8	95.0		GGG			47	34
5800-16594	00000/0000	1-10060/0160	06/27/77	80	5100	3603N	12237W	46.6	93.3		GGF			47	35
5800-20154	00000/0000	1-10060/0093	06/27/77	30	5102	7044N	15150W	39.8	145.3		GGG			84	10
5800-20161	00000/0000	1-10060/0094	06/27/77	20	5102	6926N	15351W	40.4	142.4		GGG			84	11
5800-20163	00000/0000	1-10060/0095	06/27/77	20	5102	6807N	15539W	41.1	139.7		GGG			84	12
5800-20172	00000/0000	1-10060/0096	06/27/77	10	5102	6528N	15843W	42.3	134.7		GGG			84	14
5800-20175	00000/0000	1-10060/0097	06/27/77	20	5102	6407N	16003W	42.8	132.4		GGG			84	15
5800-20181	00000/0000	1-10060/0098	06/27/77	20	5102	6245N	16116W	43.4	130.1		GGG			84	16
5801-15193	00000/0000	1-10060/0074	06/28/77	60	5113	4432N	09516W	47.0	104.0		GGG			30	29
5801-15200	00000/0000	1-10060/0075	06/28/77	60	5113	4307N	09547W	47.0	102.2		GGG			30	30
5801-15202	00000/0000	1-10060/0076	06/28/77	70	5113	4141N	09618W	47.0	100.3		FGG			30	31
5801-15205	00000/0000	1-10060/0077	06/28/77	70	5113	4015N	09648W	47.0	98.5		FGG			30	32
5801-15211	00000/0000	1-10060/0078	06/28/77	80	5113	3850N	09717W	46.9	96.7		GGG			30	33
5801-15214	00000/0000	1-10060/0079	06/28/77	50	5113	3725N	09745W	46.7	95.0		GGG			30	34
5801-15220	00000/0000	1-10060/0080	06/28/77	10	5113	3600N	09813W	46.5	93.2		GGG			30	35
5801-15223	00000/0000	1-10060/0081	06/28/77	0	5113	3435N	09840W	46.3	91.5		GGG			30	36
5801-15225	00000/0000	1-10060/0082	06/28/77	0	5113	3310N	09905W	46.1	89.8		GGG			30	37
5801-15232	00000/0000	1-10060/0083	06/28/77	10	5113	3145N	09930W	45.8	88.2		GGG			30	38
5801-15234	00000/0000	1-10060/0084	06/28/77	70	5113	3018N	09953W	45.5	86.6		GGG			30	39
5801-15241	00000/0000	1-10060/0085	06/28/77	60	5113	2852N	10017W	45.1	85.0		GGG			30	40
5801-15243	00000/0000	1-10060/0086	06/28/77	10	5113	2726N	10041W	44.7	83.5		GGG			30	41
5801-15250	00000/0000	1-10060/0087	06/28/77	10	5113	2558N	10104W	44.3	82.0		GGG			30	42
5801-17013	00000/0000	1-10060/0222	06/28/77	90	5114	4849N	11923W	46.7	109.7		FGG			48	26
5801-17020	00000/0000	1-10060/0223	06/28/77	50	5114	4725N	11959W	46.8	107.8		GGG			48	27
5801-17022	00000/0000	1-10060/0224	06/28/77	10	5114	4600N	12034W	46.9	105.9		GGG			48	28
5801-17025	00000/0000	1-10060/0225	06/28/77	0	5114	4434N	12106W	47.0	104.1		FGG			48	29
5801-17031	00000/0000	1-10060/0226	06/28/77	0	5114	4308N	12137W	47.0	102.2		GGG			48	30
5801-17034	00000/0000	1-10060/0227	06/28/77	10	5114	4142N	12207W	47.0	100.4		GGF			48	31
5801-17040	00000/0000	1-10060/0228	06/28/77	10	5114	4016N	12237W	46.9	98.6		GGG			48	32

KEYS: CLOUD COVER x 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0106

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RSV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5801-17043	00000/0000	1-10060/0229	06/28/77	50	5114	3851N 12306W	46.9	96.8	GGG			48	33
5801-17045	00000/0000	1-10060/0230	06/28/77	90	5114	3726N 12333W	46.7	95.0	GGG			48	34
5801-20224	00000/0000	1-10060/0088	06/28/77	10	5116	6650N 15841W	41.6	137.1	GGG			85	13
5801-20230	00000/0000	1-10060/0089	06/28/77	10	5116	6529N 16008W	42.2	134.6	GGG			85	14
5801-20233	00000/0000	1-10060/0090	06/28/77	10	5116	6408N 16128W	42.8	132.3	GGG			85	15
5801-20235	00000/0000	1-10060/0091	06/28/77	10	5116	6246N 16241W	43.3	130.1	GGG			85	16
5801-20242	00000/0000	1-10060/0092	06/28/77	10	5116	6124N 16348W	43.8	127.9	GGG			85	17
5802-13410	00000/0000	1-10060/0296	06/29/77	80	5126	4723N 06945W	46.8	107.8	FGG			13	27
5802-13413	00000/0000	1-10060/0297	06/29/77	90	5126	4558N 07019W	46.9	105.9	GGG			13	28
5802-13415	00000/0000	1-10060/0298	06/29/77	90	5126	4433N 07051W	46.9	104.0	GGG			13	29
5802-13422	00000/0000	1-10060/0299	06/29/77	100	5126	4308N 07123W	46.9	102.2	GGG			13	30
5802-15235	00000/0000	1-10060/0277	06/29/77	20	5127	4847N 09459W	46.6	109.7	GGG			31	26
5802-15242	00000/0000	1-10060/0278	06/29/77	40	5127	4722N 09535W	46.8	107.8	GGG			31	27
5802-15244	00000/0000	1-10060/0279	06/29/77	10	5127	4556N 09609W	46.9	105.9	GGG			31	28
5802-15251	00000/0000	1-10060/0280	06/29/77	10	5127	4431N 09642W	46.9	104.0	GGG			31	29
5802-15253	00000/0000	1-10060/0281	06/29/77	10	5127	4306N 09714W	46.9	102.2	GGG			31	30
5802-15260	00000/0000	1-10060/0282	06/29/77	10	5127	4141N 09745W	46.9	100.3	GGG			31	31
5802-15262	00000/0000	1-10060/0283	06/29/77	0	5127	4015N 09814W	46.9	98.5	GGG			31	32
5802-15265	00000/0000	1-10060/0284	06/29/77	10	5127	3850N 09843W	46.8	96.7	GGG			31	33
5802-15271	00000/0000	1-10060/0285	06/29/77	20	5127	3724N 09911W	46.6	95.0	GGG			31	34
5802-15274	00000/0000	1-10060/0286	06/29/77	60	5127	3559N 09938W	46.5	93.3	GGG			31	35
5802-15280	00000/0000	1-10060/0287	06/29/77	20	5127	3434N 10004W	46.2	91.5	GGG			31	36
5802-15283	00000/0000	1-10060/0288	06/29/77	30	5127	3309N 10030W	46.0	89.9	GGG			31	37
5802-17071	00000/0000	1-10060/0241	06/29/77	60	5128	4848N 12047W	46.6	109.7	GGG			49	26
5802-17073	00000/0000	1-10060/0242	06/29/77	40	5128	4723N 12123W	46.8	107.8	GGG			49	27
5802-17080	00000/0000	1-10060/0243	06/29/77	30	5128	4558N 12158W	46.9	105.9	FGG			49	28
5802-17082	00000/0000	1-10060/0244	06/29/77	10	5128	4434N 12230W	46.9	104.1	FGG			49	29
5802-17085	00000/0000	1-10060/0245	06/29/77	10	5128	4308N 12302W	46.9	102.2	FGG			49	30
5802-17091	00000/0000	1-10060/0246	06/29/77	0	5128	4143N 12333W	46.9	100.4	FGG			49	31
5802-17094	00000/0000	1-10060/0247	06/29/77	10	5128	4017N 12402W	46.9	98.6	GGG			49	32
5802-17100	00000/0000	1-10060/0248	06/29/77	30	5128	3852N 12431W	46.8	96.8	GGG			49	33
5802-20273	00000/0000	1-10060/0289	06/29/77	10	5130	6926N 15641W	40.3	142.3	GGG			86	11
5802-20275	00000/0000	1-10060/0290	06/29/77	10	5130	6808N 15828W	40.9	139.6	GGG			86	12
5802-20282	00000/0000	1-10060/0291	06/29/77	0	5130	6648N 16005W	41.6	137.0	FGG			86	13
5802-20284	00000/0000	1-10060/0292	06/29/77	0	5130	6529N 16133W	42.1	134.6	GGF			86	14
5802-20291	00000/0000	1-10060/0293	06/29/77	0	5130	6408N 16253W	42.7	132.2	FFF			86	15

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0107

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS DATA MODE		
5802-20293	00000/0000	1-10060/0294	06/29/77	0	5130	6246N	16406W	43.2	130.0		FGG	86	16
5802-20300	00000/0000	1-10060/0295	06/29/77	10	5130	6124N	16513W	43.7	127.8		GGG	86	17
5803-13482	00000/0000	1-10060/0392	06/30/77	10	5140	4142N	07320W	46.8	100.4		GGG	14	31
5803-13485	00000/0000	1-10060/0393	06/30/77	0	5140	4017N	07349W	46.8	98.6		GGG	14	32
5803-13491	00000/0000	1-10060/0394	06/30/77	0	5140	3852N	07418W	46.7	96.8		GGG	14	33
5803-13494	00000/0000	1-10060/0395	06/30/77	10	5140	3727N	07445W	46.6	95.0		GFG	14	34
5803-13500	00000/0000	1-10060/0396	06/30/77	20	5140	3600N	07512W	46.4	93.3		GFG	14	35
5803-13503	00000/0000	1-10060/0397	06/30/77	20	5140	3434N	07538W	46.2	91.6		GGG	14	36
5803-13505	00000/0000	1-10060/0398	06/30/77	10	5140	3309N	07604W	45.9	89.9		GGG	14	37
5803-15293	00000/0000	1-10060/0450	06/30/77	20	5141	4847N	09626W	46.5	109.7		GGG	32	26
5803-15300	00000/0000	1-10060/0451	06/30/77	20	5141	4722N	09702W	46.5	107.8		GGG	32	27
5803-15302	00000/0000	1-10060/0452	06/30/77	10	5141	4557N	09736W	46.8	105.9		GGF	32	28
5803-15305	00000/0000	1-10060/0453	06/30/77	10	5141	4432N	09809W	46.8	104.0		GGG	32	29
5803-15311	00000/0000	1-10060/0454	06/30/77	10	5141	4306N	09840W	46.9	102.2		GGG	32	30
5803-15314	00000/0000	1-10060/0455	06/30/77	10	5141	4141N	09911W	46.8	100.3		GGG	32	31
5803-15320	00000/0000	1-10060/0456	06/30/77	10	5141	4015N	09940W	46.8	98.5		GGG	32	32
5803-20321	00000/0000	1-10060/0399	06/30/77	10	5144	7158N	15356W	38.9	148.0		FGG	87	9
5803-20324	00000/0000	1-10060/0406	06/30/77	0	5144	7042N	15612W	39.6	144.9		GG	87	10
5803-20330	00000/0000	1-10060/0400	06/30/77	0	5144	6924N	15813W	40.3	142.1		FFF	87	11
5803-20333	00000/0000	1-10060/0401	06/30/77	0	5144	6805N	16000W	40.9	139.4		GGG	87	12
5803-20335	00000/0000	1-10060/0402	06/30/77	0	5144	6645N	16136W	41.5	136.8		GDF	87	13
5803-20342	00000/0000	1-10060/0407	06/30/77	0	5144	6524N	16303W	42.1	134.4		GF	87	14
5803-20344	00000/0000	1-10060/0403	06/30/77	20	5144	6403N	16422W	42.6	132.1		GDF	87	15
5803-20351	00000/0000	1-10060/0404	06/30/77	10	5144	6241N	16534W	43.1	129.9		GGF	87	16
5803-20353	00000/0000	1-10060/0405	06/30/77	0	5144	6119N	16641W	43.6	127.7		GGG	86	17
5804-15354	00000/0000	1-10060/0318	07/01/77	10	5155	4722N	09827W	46.6	107.8		GGG	33	27
5804-15360	00000/0000	1-10060/0319	07/01/77	10	5155	4557N	09901W	46.7	105.9		GGG	33	28
5804-15363	00000/0000	1-10060/0320	07/01/77	0	5155	4431N	09934W	46.7	104.0		GGG	33	29
5804-15365	00000/0000	1-10060/0321	07/01/77	10	5155	4306N	10006W	46.8	102.2		GGG	33	30
5804-15372	00000/0000	1-10060/0322	07/01/77	10	5155	4140N	10037W	46.7	100.4		GGG	33	31
5804-15374	00000/0000	1-10060/0323	07/01/77	0	5155	4015N	10106W	46.7	98.6		GGG	33	32
5804-15381	00000/0000	1-10060/0324	07/01/77	0	5155	3850N	10135W	46.6	96.8		GGG	33	33
5804-15383	00000/0000	1-10060/0325	07/01/77	10	5155	3725N	10202W	46.5	95.0		GGG	33	34
5804-15390	00000/0000	1-10060/0326	07/01/77	10	5155	3559N	10230W	46.3	93.3		GGG	33	35
5804-20382	00000/0000	1-10060/0327	07/01/77	10	5158	7042N	15738W	39.5	144.9		GGG	88	10
5804-20384	00000/0000	1-10060/0328	07/01/77	10	5158	6924N	15939W	40.2	142.0		FGG	88	11

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FBR US
FROM 07/23/76 TO 07/23/77

PAGE 0108

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5804-20391	00000/0000	1-10060/0329	07/01/77	30	5158	6805N 16126W	40.8	139.3	GGG			88	12
5804-20393	00000/0000	1-10060/0330	07/01/77	20	5158	6645N 16303W	41.4	136.8	FGG			88	13
5804-20400	00000/0000	1-10060/0331	07/01/77	30	5158	6524N 16429W	42.0	134.4	GGG			88	14
5804-20402	00000/0000	1-10060/0332	07/01/77	80	5158	6403N 16548W	42.5	132.0	GGG			88	15
5804-20405	00000/0000	1-10060/0333	07/01/77	70	5158	6241N 16700W	43.1	129.8	GGG			88	16
5804-20411	00000/0000	1-10060/0334	07/01/77	70	5158	6119N 16807W	43.5	127.6	GGG			87	17
5805-13582	00000/0000	1-10060/0335	07/02/77	80	5168	4658N 07438W	46.6	105.9	GGG			16	28
5805-13585	00000/0000	1-10060/0336	07/02/77	70	5168	4433N 07511W	46.6	104.1	GGG			16	29
5805-13591	00000/0000	1-10060/0337	07/02/77	30	5168	4307N 07542W	46.7	102.2	GGG			16	30
5805-13594	00000/0000	1-10060/0338	07/02/77	10	5168	4142N 07613W	46.6	100.4	GGG			16	31
5805-14000	00000/0000	1-10060/0339	07/02/77	10	5168	4018N 07643W	46.6	98.6	GGG			16	32
5805-14003	00000/0000	1-10060/0340	07/02/77	10	5168	3853N 07711W	46.5	96.8	GGG			16	33
5805-14005	00000/0000	1-10060/0341	07/02/77	10	5168	3727N 07739W	46.4	95.1	GGG			16	34
5805-15405	00000/0000	1-10060/0369	07/02/77	30	5169	4846N 09918W	46.3	109.7	GGG			34	26
5805-15411	00000/0000	1-10060/0370	07/02/77	30	5169	4722N 09953W	46.5	107.8	GGG			34	27
5805-15414	00000/0000	1-10060/0371	07/02/77	30	5169	4557N 10027W	46.6	105.9	GPG			34	28
5805-15420	00000/0000	1-10060/0372	07/02/77	50	5169	4431N 10100W	46.6	104.0	FGG			34	29
5805-15423	00000/0000	1-10060/0373	07/02/77	60	5169	4306N 10132W	46.7	102.2	GGG			34	30
5805-15425	00000/0000	1-10060/0374	07/02/77	30	5169	4141N 10202W	46.6	100.4	GGG			34	31
5805-15432	00000/0000	1-10060/0375	07/02/77	0	5169	4016N 10232W	46.6	98.6	GGG			34	32
5805-15434	00000/0000	1-10060/0376	07/02/77	0	5169	3850N 10300W	46.5	96.8	FGG			34	33
5805-15441	00000/0000	1-10060/0377	07/02/77	0	5169	3724N 10328W	46.4	95.1	GGF			34	34
5805-15443	00000/0000	1-10060/0378	07/02/77	0	5169	3558N 10355W	46.2	93.4	GGG			34	35
5805-15450	00000/0000	1-10060/0379	07/02/77	10	5169	3433N 10422W	46.0	91.7	GGG			34	36
5805-15452	00000/0000	1-10060/0380	07/02/77	10	5169	3308N 10448W	45.7	90.0	GGG			34	37
5805-15455	00000/0000	1-10060/0381	07/02/77	10	5169	3143N 10511W	45.4	88.4	GGG			34	38
5805-15461	00000/0000	1-10060/0382	07/02/77	20	5169	3018N 10535W	45.1	86.8	GGG			34	39
5805-15464	00000/0000	1-10060/0383	07/02/77	60	5169	2851N 10559W	44.8	85.2	GGG			34	40
5805-20433	00000/0000	1-10060/0311	07/02/77	30	5172	7200N 15641W	38.7	148.0	GGG			89	9
5805-20435	00000/0000	1-10060/0312	07/02/77	0	5172	7044N 15858W	39.4	144.9	GGG			89	10
5805-20442	00000/0000	1-10060/0313	07/02/77	10	5172	6927N 16059W	40.1	142.0	GGG			89	11
5805-20444	00000/0000	1-10060/0314	07/02/77	0	5172	6808N 16248W	40.7	139.4	GGG			89	12
5805-20451	00000/0000	1-10060/0315	07/02/77	10	5172	6648N 16424W	41.3	136.8	GGG			89	13
5805-20453	00000/0000	1-10060/0316	07/02/77	30	5172	6527N 16552W	41.9	134.4	GGG			89	14
5805-20460	00000/0000	1-10060/0317	07/02/77	90	5172	6406N 16711W	42.4	132.1	GGG			89	15
5806-14063	00000/0000	1-10060/0468	07/03/77	10	5182	3723N 07905W	46.3	95.1	GGG			17	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0109

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5806-14070	00000/0000	1-10060/0469	07/03/77	10	5182	3559N	07932W	46.1	93.4	GGG				17	35
5806-14072	00000/0000	1-10060/0470	07/03/77	20	5182	3434N	07957W	45.9	91.7	GGG				17	36
5806-14075	00000/0000	1-10060/0471	07/03/77	20	5182	3309N	08022W	45.6	90.1	GGF				17	37
5806-14081	00000/0000	1-10060/0472	07/03/77	30	5182	3143N	08047W	45.4	88.5	GGF				17	38
5806-14084	00000/0000	1-10060/0473	07/03/77	40	5182	3018N	08111W	45.0	86.9	GFP				17	39
5806-14090	00000/0000	1-10060/0474	07/03/77	10	5182	2852N	08136W	44.7	85.3	GGG				17	40
5806-14093	00000/0000	1-10060/0475	07/03/77	10	5182	2725N	08200W	44.3	83.8	GGG				17	41
5806-14095	00000/0000	1-10060/0476	07/03/77	10	5182	2558N	08223W	43.9	82.3	GGF				17	42
5806-14102	00000/0000	1-10060/0477	07/03/77	10	5182	2433N	08245W	43.4	80.9	GGG				17	43
5806-15463	00000/0000	1-10060/0265	07/03/77	10	5183	4847N	10044W	46.2	109.7	GGG				35	26
5806-15465	00000/0000	1-10060/0276	07/03/77	20	5183	4722N	10120W	46.4	107.8	GG				35	27
5806-15472	00000/0000	1-10060/0266	07/03/77	60	5183	4556N	10154W	46.5	105.9	GFG				35	28
5806-15474	00000/0000	1-10060/0267	07/03/77	10	5183	4431N	10227W	46.5	104.1	GFF				35	29
5806-15481	00000/0000	1-10060/0268	07/03/77	30	5183	4306N	10258W	46.6	102.2	GGG				35	30
5806-15483	00000/0000	1-10060/0269	07/03/77	10	5183	4141N	10329W	46.5	100.4	GGG				35	31
5806-15490	00000/0000	1-10060/0270	07/03/77	0	5183	4016N	10359W	46.5	98.6	GFF				35	32
5806-15492	00000/0000	1-10060/0271	07/03/77	10	5183	3850N	10427W	46.4	96.9	GPG				35	33
5806-15495	00000/0000	1-10060/0272	07/03/77	10	5183	3724N	10455W	46.3	95.1	GGG				35	34
5806-15501	00000/0000	1-10060/0273	07/03/77	40	5183	3559N	10522W	46.1	93.4	GGG				35	35
5806-15504	00000/0000	1-10060/0274	07/03/77	20	5183	3433N	10548W	45.9	91.7	GFG				35	36
5806-15510	00000/0000	1-10060/0275	07/03/77	10	5183	3308N	10614W	45.6	90.1	FFG				35	37
5806-20491	00000/0000	1-10060/0384	07/03/77	50	5186	7202N	15805W	38.7	147.9	GGF				90	9
5806-20493	00000/0000	1-10060/0385	07/03/77	40	5186	7046N	16020W	39.3	144.8	GGG				90	10
5806-20500	00000/0000	1-10060/0386	07/03/77	10	5186	6928N	16223W	40.0	142.0	FGG				90	11
5806-20502	00000/0000	1-10060/0387	07/03/77	10	5186	6808N	16414W	40.6	139.3	GGG				90	12
5806-20505	00000/0000	1-10060/0388	07/03/77	10	5186	6648N	16553W	41.2	136.8	GGG				90	13
5806-20511	00000/0000	1-10060/0389	07/03/77	40	5186	6527N	16720W	41.8	134.3	GGG				90	14
5806-20514	00000/0000	1-10060/0390	07/03/77	80	5186	6406N	16839W	42.3	132.0	GGF				90	15
5806-20520	00000/0000	1-10060/0391	07/03/77	90	5186	6244N	16951W	42.8	129.8	GGG				90	16
5807-14094	00000/0000	1-10060/0434	07/04/77	90	5196	4557N	07731W	46.4	105.9	GGG				18	28
5807-14100	00000/0000	1-10060/0435	07/04/77	40	5196	4432N	07804W	46.4	104.1	GGG				18	29
5807-14103	00000/0000	1-10060/0436	07/04/77	50	5196	4307N	07835W	46.5	102.3	GGG				18	30
5807-14105	00000/0000	1-10060/0437	07/04/77	90	5196	4141N	07906W	46.4	100.5	GGG				18	31
5807-14112	00000/0000	1-10060/0438	07/04/77	80	5196	4016N	07935W	46.4	98.7	GGG				18	32
5807-14114	00000/0000	1-10060/0439	07/04/77	50	5196	3851N	08004W	46.3	96.9	GGG				18	33
5807-14121	00000/0000	1-10060/0440	07/04/77	10	5196	3725N	08031W	46.2	95.2	GGG				18	34

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0110

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5807-14123	00000/0000	1-10060/0441	07/04/77	10	5196	3600N 08057W	46.0	93.5	GGG			18	35
5807-14130	00000/0000	1-10060/0442	07/04/77	10	5196	3434N 08123W	45.8	91.8	GGG			18	36
5807-14132	00000/0000	1-10060/0443	07/04/77	10	5196	3309N 08149W	45.5	90.2	GGG			18	37
5807-14135	00000/0000	1-10060/0444	07/04/77	10	5196	3144N 08215W	45.3	88.5	GGG			18	38
5807-14141	00000/0000	1-10060/0445	07/04/77	20	5196	3018N 08239W	45.0	87.0	GGG			18	39
5807-14144	00000/0000	1-10060/0446	07/04/77	70	5196	2853N 08302W	44.6	85.4	GGG			18	40
5807-14150	00000/0000	1-10060/0447	07/04/77	70	5196	2726N 08325W	44.2	83.9	GGG			18	41
5807-14153	00000/0000	1-10060/0448	07/04/77	50	5196	2559N 08347W	43.8	82.4	GGG			18	42
5807-14155	00000/0000	1-10060/0449	07/04/77	30	5196	2434N 08409W	43.3	81.0	GGG			18	43
5807-15514	00000/0000	1-10060/0300	07/04/77	10	5197	5010N 10133W	46.0	111.6	GGG			36	25
5807-15520	00000/0000	1-10060/0301	07/04/77	10	5197	4846N 10210W	46.1	109.7	GGG			36	26
5807-15523	00000/0000	1-10060/0302	07/04/77	10	5197	4722N 10246W	46.3	107.8	GGG			36	27
5807-15525	00000/0000	1-10060/0303	07/04/77	10	5197	4557N 10321W	46.4	105.9	GGG			36	28
5807-15532	00000/0000	1-10060/0304	07/04/77	10	5197	4432N 10354W	46.4	104.1	GGG			36	29
5807-15534	00000/0000	1-10060/0305	07/04/77	30	5197	4306N 10425W	46.5	102.3	GGG			36	30
5807-15541	00000/0000	1-10060/0306	07/04/77	30	5197	4141N 10456W	46.4	100.5	GGG			36	31
5807-15543	00000/0000	1-10060/0307	07/04/77	10	5197	4016N 10525W	46.4	98.7	GGG			36	32
5807-15550	00000/0000	1-10060/0308	07/04/77	30	5197	3850N 10554W	46.3	96.9	FFF			36	33
5807-15552	00000/0000	1-10060/0309	07/04/77	40	5197	3724N 10622W	46.2	95.2	FGG			36	34
5807-15555	00000/0000	1-10060/0310	07/04/77	70	5197	3559N 10649W	46.0	93.5	GGG			36	35
5808-14143	00000/0000	1-10060/0249	07/05/77	20	5210	4847N 07747W	46.0	109.7	GGG			19	26
5808-14145	00000/0000	1-10060/0250	07/05/77	10	5210	4721N 07823W	46.2	107.8	GGG			19	27
5808-14152	00000/0000	1-10060/0251	07/05/77	20	5210	4556N 07857W	46.3	106.0	FGG			19	28
5808-14154	00000/0000	1-10060/0252	07/05/77	70	5210	4431N 07930W	46.3	104.1	GGG			19	29
5808-14161	00000/0000	1-10060/0253	07/05/77	70	5210	4306N 08002W	46.4	102.3	GGG			19	30
5808-14163	00000/0000	1-10060/0254	07/05/77	50	5210	4141N 08032W	46.3	100.5	GGG			19	31
5808-14170	00000/0000	1-10060/0255	07/05/77	60	5210	4016N 08102W	46.3	98.7	FGG			19	32
5808-14172	00000/0000	1-10060/0256	07/05/77	70	5210	3851N 08130W	46.2	97.0	GGG			19	33
5808-14175	00000/0000	1-10060/0257	07/05/77	70	5210	3726N 08157W	46.1	95.3	GGG			19	34
5808-14181	00000/0000	1-10060/0258	07/05/77	60	5210	3600N 08224W	45.9	93.6	GGG			19	35
5808-14184	00000/0000	1-10060/0259	07/05/77	30	5210	3435N 08248W	45.7	91.9	GGG			19	36
5808-14190	00000/0000	1-10060/0260	07/05/77	10	5210	3310N 08313W	45.5	90.2	FGG			19	37
5808-14193	00000/0000	1-10060/0261	07/05/77	10	5210	3144N 08338W	45.2	88.6	GGG			19	38
5808-14195	00000/0000	1-10060/0262	07/05/77	40	5210	3018N 08403W	44.9	87.0	GGG			19	39
5808-14202	00000/0000	1-10060/0263	07/05/77	30	5210	2852N 08428W	44.5	85.5	FGG			19	40
5808-14204	00000/0000	1-10060/0264	07/05/77	30	5210	2726N 08453W	44.1	84.0	FGG			19	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5808-15572	00000/0000	1-10060/0457	07/05/77	90	5211	5010N	10300W	45.8	111.6		GGG			37	25
5808-15574	00000/0000	1-10060/0458	07/05/77	40	5211	4847N	10337W	46.0	109.7		GGG			37	26
5808-15581	00000/0000	1-10060/0459	07/05/77	10	5211	4722N	10413W	46.2	107.8		GGG			37	27
5808-15583	00000/0000	1-10060/0460	07/05/77	10	5211	4556N	10446W	46.3	106.0		FGG			37	28
5808-15590	00000/0000	1-10060/0461	07/05/77	10	5211	4430N	10519W	46.3	104.1		GGG			37	29
5808-15592	00000/0000	1-10060/0462	07/05/77	10	5211	4304N	10552W	46.3	102.3		GGG			37	30
5808-15595	00000/0000	1-10060/0463	07/05/77	40	5211	4139N	10622W	46.3	100.5		GGG			37	31
5808-16001	00000/0000	1-10060/0464	07/05/77	60	5211	4014N	10652W	46.3	98.7		GGG			37	32
5808-16004	00000/0000	1-10060/0465	07/05/77	80	5211	3850N	10721W	46.2	97.0		FGG			37	33
5808-16010	00000/0000	1-10060/0466	07/05/77	80	5211	3725N	10749W	46.1	95.2		GGG			37	34
5808-16013	00000/0000	1-10060/0467	07/05/77	70	5211	3600N	10816W	45.9	93.5		GGG			37	35
5809-14212	00000/0000	1-10060/0491	07/06/77	90	5224	4431N	08055W	46.2	104.2		GGG			20	29
5809-14214	00000/0000	1-10060/0492	07/06/77	70	5224	4306N	08127W	46.2	102.4		GGG			20	30
5809-14221	00000/0000	1-10060/0493	07/06/77	10	5224	4141N	08158W	46.2	100.6		GGG			20	31
5809-14223	00000/0000	1-10060/0494	07/06/77	0	5224	4016N	08227W	46.2	98.8		GGG			20	32
5809-14230	00000/0000	1-10060/0495	07/06/77	0	5224	3851N	08255W	46.1	97.1		GGG			20	33
5809-14232	00000/0000	1-10060/0496	07/06/77	10	5224	3726N	08322W	46.0	95.3		GGG			20	34
5809-14235	00000/0000	1-10060/0497	07/06/77	20	5224	3600N	08349W	45.8	93.6		GGG			20	35
5809-14241	00000/0000	1-10060/0498	07/06/77	10	5224	3436N	08416W	45.6	92.0		GGG			20	36
5809-14244	00000/0000	1-10060/0499	07/06/77	10	5224	3311N	08443W	45.4	90.3		GGG			20	37
5809-14250	00000/0000	1-10060/0500	07/06/77	10	5224	3145N	08509W	45.1	88.7		GGG			20	38
5809-14253	00000/0000	1-10060/0501	07/06/77	30	5224	3018N	08533W	44.8	87.1		GGG			20	39
5809-14255	00000/0000	1-10060/0502	07/06/77	60	5224	2851N	08556W	44.4	85.6		GGG			20	40
5809-14262	00000/0000	1-10060/0503	07/06/77	30	5224	2724N	08618W	44.0	84.1		GGG			20	41
5810-14263	00000/0000	1-10060/0410	07/07/77	90	5238	4557N	08149W	46.0	106.1		GGG			21	28
5810-14270	00000/0000	1-10060/0411	07/07/77	90	5238	4432N	08222W	46.1	104.2		GGG			21	29
5810-14272	00000/0000	1-10060/0412	07/07/77	80	5238	4306N	08253W	46.1	102.4		GGG			21	30
5810-14275	00000/0000	1-10060/0413	07/07/77	20	5238	4141N	08324W	46.1	100.6		GGG			21	31
5810-14281	00000/0000	1-10060/0414	07/07/77	10	5238	4016N	08353W	46.1	98.9		GGG			21	32
5810-14284	00000/0000	1-10060/0415	07/07/77	10	5238	3851N	08421W	46.0	97.1		GGG			21	33
5810-14290	00000/0000	1-10060/0416	07/07/77	10	5238	3727N	08448W	45.9	95.4		GGG			21	34
5810-14293	00000/0000	1-10060/0417	07/07/77	10	5238	3602N	08514W	45.7	93.7		GGG			21	35
5810-14295	00000/0000	1-10060/0418	07/07/77	10	5238	3435N	08540W	45.5	92.1		GGG			21	36
5810-14302	00000/0000	1-10060/0419	07/07/77	0	5238	3308N	08606W	45.3	90.4		GGG			21	37
5810-14304	00000/0000	1-10060/0420	07/07/77	10	5238	3142N	08632W	45.0	88.8		GGG			21	38
5810-14311	00000/0000	1-10060/0421	07/07/77	10	5238	3016N	08658W	44.7	87.2		GGG			21	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5810-14313	00000/0000	1-10060/0422	07/07/77	10	5238	2850N	08722W	44.3	85.7		GGG			21	40
5810-14320	00000/0000	1-10060/0423	07/07/77	20	5238	2725N	08745W	43.9	84.2		GGG			21	41
5810-16104	00000/0000	1-10060/0424	07/07/77	10	5239	4306N	10843W	46.1	102.4		GGG			39	30
5810-16110	00000/0000	1-10060/0425	07/07/77	10	5239	4141N	10914W	46.1	100.6		GGG			39	31
5810-16113	00000/0000	1-10060/0426	07/07/77	10	5239	4016N	10944W	46.1	98.9		GGG			39	32
5810-16115	00000/0000	1-10060/0427	07/07/77	0	5239	3850N	11012W	46.0	97.1		GGG			39	33
5810-16122	00000/0000	1-10060/0428	07/07/77	0	5239	3724N	11040W	45.8	95.4		GGG			39	34
5810-16124	00000/0000	1-10060/0429	07/07/77	0	5239	3558N	11107W	45.7	93.7		GGG			39	35
5810-16131	00000/0000	1-10060/0430	07/07/77	10	5239	3433N	11133W	45.5	92.0		GGG			39	36
5810-16133	00000/0000	1-10060/0431	07/07/77	10	5239	3308N	11159W	45.2	90.4		GGG			39	37
5810-16140	00000/0000	1-10060/0432	07/07/77	0	5239	3143N	11225W	45.0	88.8		GGG			39	38
5810-16142	00000/0000	1-10060/0433	07/07/77	0	5239	3016N	11249W	44.7	87.2		GGG			39	39
5811-14315	00000/0000	1-10060/0523	07/08/77	80	5252	4720N	08241W	45.8	108.0		GGG			22	27
5811-14321	00000/0000	1-10060/0524	07/08/77	90	5252	4556N	08315W	45.9	106.1		GGG			22	28
5811-14324	00000/0000	1-10060/0525	07/08/77	30	5252	4432N	08347W	46.0	104.3		GGG			22	29
5811-14330	00000/0000	1-10060/0526	07/08/77	40	5252	4307N	08419W	46.0	102.5		GGG			22	30
5811-14333	00000/0000	1-10060/0527	07/08/77	50	5252	4142N	08449W	46.0	100.7		GGG			22	31
5811-14335	00000/0000	1-10060/0528	07/08/77	30	5252	4017N	08518W	46.0	99.0		GGG			22	32
5811-14342	00000/0000	1-10060/0529	07/08/77	10	5252	3852N	08547W	45.9	97.2		GGG			22	33
5811-14344	00000/0000	1-10060/0530	07/08/77	0	5252	3727N	08614W	45.7	95.5		GGG			22	34
5811-14351	00000/0000	1-10060/0531	07/08/77	0	5252	3601N	08640W	45.6	93.8		GGG			22	35
5811-14353	00000/0000	1-10060/0532	07/08/77	0	5252	3435N	08707W	45.4	92.2		GGG			22	36
5811-14360	00000/0000	1-10060/0533	07/08/77	0	5252	3309N	08734W	45.2	90.5		GGG			22	37
5811-14362	00000/0000	1-10060/0534	07/08/77	10	5252	3144N	08759W	44.9	88.9		GGG			22	38
5811-14365	00000/0000	1-10060/0535	07/08/77	10	5252	3018N	08823W	44.6	87.4		GGG			22	39
5811-14371	00000/0000	1-10060/0536	07/08/77	10	5252	2853N	08846W	44.2	85.8		GGG			22	40
5811-14374	00000/0000	1-10060/0537	07/08/77	10	5252	2726N	08910W	43.9	84.3		GGG			22	41
5811-16144	00000/0000	1-10060/0342	07/08/77	40	5253	4848N	10752W	45.7	109.9		GGG			40	26
5811-16150	00000/0000	1-10060/0343	07/08/77	10	5253	4723N	10828W	45.8	108.0		GGG			40	27
5811-16153	00000/0000	1-10060/0344	07/08/77	10	5253	4558N	10903W	45.9	106.2		GGG			40	28
5811-16155	00000/0000	1-10060/0345	07/08/77	10	5253	4434N	10936W	46.0	104.4		GGG			40	29
5811-16162	00000/0000	1-10060/0346	07/08/77	10	5253	4309N	11008W	46.0	102.6		GGG			40	30
5811-16164	00000/0000	1-10060/0347	07/08/77	10	5253	4144N	11038W	46.0	100.8		GGG			40	31
5811-16171	00000/0000	1-10060/0348	07/08/77	40	5253	4019N	11108W	45.9	99.0		GGG			40	32
5811-16173	00000/0000	1-10060/0349	07/08/77	20	5253	3853N	11137W	45.9	97.3		GGG			40	33
5811-16180	00000/0000	1-10060/0350	07/08/77	10	5253	3728N	11205W	45.7	95.6		GGG			40	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5811-16182	00000/0000	1-10060/0351	07/08/77	10	5253	3602N	11233W	45.6	93.9	GGG				40	35
5811-16185	00000/0000	1-10060/0352	07/08/77	10	5253	3437N	11259W	45.4	92.2	GGG				40	36
5811-16191	00000/0000	1-10060/0353	07/08/77	0	5253	3312N	11325W	45.2	90.6	GGG				40	37
5811-16194	00000/0000	1-10060/0354	07/08/77	0	5253	3146N	11349W	44.9	89.0	GGG				40	38
5811-16200	00000/0000	1-10060/0355	07/08/77	0	5253	3020N	11413W	44.6	87.4	GGG				40	39
5811-19354	00000/0000	1-10060/0408	07/08/77	10	5255	6646N	14717W	40.7	136.5	GGG				77	13
5811-19361	00000/0000	1-10060/0409	07/08/77	10	5255	6525N	14844W	41.2	134.1	GGG				77	14
5812-14413	00000/0000	1-10060/0478	07/09/77	10	5266	3308N	08858W	45.1	90.7	FGG				23	37
5812-14420	00000/0000	1-10060/0479	07/09/77	40	5266	3143N	08923W	44.8	89.1	GGG				23	38
5812-14422	00000/0000	1-10060/0480	07/09/77	40	5266	3017N	08947W	44.5	87.5	GGG				23	39
5812-14425	00000/0000	1-10060/0481	07/09/77	40	5266	2850N	09012W	44.1	86.0	GGG				23	40
5812-16201	00000/0000	1-10060/0356	07/09/77	10	5267	4848N	10918W	45.5	109.9	FFG				41	26
5812-16204	00000/0000	1-10060/0357	07/09/77	20	5267	4724N	10954W	45.7	108.1	GGG				41	27
5812-16210	00000/0000	1-10060/0358	07/09/77	10	5267	4559N	11029W	45.8	106.2	GGG				41	28
5812-16213	00000/0000	1-10060/0359	07/09/77	10	5267	4434N	11102W	45.9	104.4	GGG				41	29
5812-16215	00000/0000	1-10060/0360	07/09/77	10	5267	4309N	11134W	45.9	102.6	GGG				41	30
5812-16222	00000/0000	1-10060/0361	07/09/77	10	5267	4144N	11204W	45.9	100.9	GGG				41	31
5812-16224	00000/0000	1-10060/0362	07/09/77	0	5267	4018N	11234W	45.8	99.1	GGG				41	32
5812-16231	00000/0000	1-10060/0363	07/09/77	0	5267	3853N	11302W	45.8	97.4	GGG				41	33
5812-16233	00000/0000	1-10060/0364	07/09/77	0	5267	3728N	11330W	45.6	95.7	FFF				41	34
5812-16240	00000/0000	1-10060/0365	07/09/77	0	5267	3602N	11357W	45.5	94.0	GGG				41	35
5812-16242	00000/0000	1-10060/0366	07/09/77	0	5267	3437N	11423W	45.3	92.3	GGG				41	36
5812-16245	00000/0000	1-10060/0367	07/09/77	0	5267	3310N	11449W	45.0	90.7	GGG				41	37
5812-16251	00000/0000	1-10060/0368	07/09/77	10	5267	3144N	11514W	44.8	89.1	GGG				41	38
5812-19403	00000/0000	1-10060/0504	07/09/77	10	5269	6924N	14518W	39.3	141.6	GGG				78	11
5812-19410	00000/0000	1-10060/0505	07/09/77	50	5269	6805N	14704W	39.9	138.9	GGG				78	12
5812-19412	00000/0000	1-10060/0506	07/09/77	40	5269	6646N	14840W	40.5	136.4	GGG				78	13
5812-19415	00000/0000	1-10060/0507	07/09/77	10	5269	6524N	15008W	41.1	134.1	GGG				78	14
5812-19421	00000/0000	1-10060/0508	07/09/77	10	5269	6402N	15128W	41.6	131.8	GGG				78	15
5812-19424	00000/0000	1-10060/0509	07/09/77	10	5269	6240N	15241W	42.2	129.6	GGG				78	16
5813-14424	00000/0000	1-10060/0482	07/10/77	20	5280	4847N	08456W	45.4	109.9	GGG				24	26
5813-14430	00000/0000	1-10060/0483	07/10/77	10	5280	4723N	08533W	45.6	108.1	FGG				24	27
5813-14433	00000/0000	1-10060/0484	07/10/77	10	5280	4557N	08607W	45.7	106.3	GGG				24	28
5813-14435	00000/0000	1-10060/0485	07/10/77	70	5280	4432N	08639W	45.7	104.5	GGG				24	29
5813-14442	00000/0000	1-10060/0486	07/10/77	30	5280	4307N	08711W	45.8	102.7	GGG				24	30
5813-14444	00000/0000	1-10060/0487	07/10/77	10	5280	4142N	08741W	45.8	100.9	GGG				24	31

KEYS: CLOUD COVER % 0 TO 100 = X CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0114

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG							
5813-14451	00000/0000	1-10060/0488	07/10/77	10	5280	4016N	08811W	45.7	99.2	GGG			24	32
5813-14453	00000/0000	1-10060/0489	07/10/77	50	5280	3851N	08839W	45.6	97.4	GGG			24	33
5813-14460	00000/0000	1-10060/0490	07/10/77	80	5280	3725N	08906W	45.5	95.7	GGG			24	34
5813-16255	00000/0000	1-10060/0510	07/10/77	90	5281	4846N	11047W	45.4	109.9	GGG			42	26
5813-16262	00000/0000	1-10060/0511	07/10/77	90	5281	4721N	11122W	45.5	108.1	GGG			42	27
5813-16264	00000/0000	1-10060/0512	07/10/77	60	5281	4556N	11156W	45.7	106.2	GGG			42	28
5813-16271	00000/0000	1-10060/0513	07/10/77	10	5281	4431N	11229W	45.7	104.4	GGG			42	29
5813-16273	00000/0000	1-10060/0514	07/10/77	10	5281	4305N	11301W	45.8	102.7	GGG			42	30
5813-16280	00000/0000	1-10060/0515	07/10/77	10	5281	4140N	11331W	45.8	100.9	GGG			42	31
5813-16282	00000/0000	1-10060/0516	07/10/77	0	5281	4015N	11401W	45.7	99.1	GGG			42	32
5813-16285	00000/0000	1-10060/0517	07/10/77	0	5281	3850N	11429W	45.6	97.4	GGG			42	33
5813-16291	00000/0000	1-10060/0518	07/10/77	0	5281	3724N	11457W	45.5	95.7	GGG			42	34
5813-16294	00000/0000	1-10060/0519	07/10/77	0	5281	3558N	11524W	45.4	94.0	GGG			42	35
5813-16300	00000/0000	1-10060/0520	07/10/77	0	5281	3433N	11550W	45.2	92.4	GGG			42	36
5813-16303	00000/0000	1-10060/0521	07/10/77	10	5281	3307N	11616W	44.9	90.8	GGG			42	37
5813-16305	00000/0000	1-10060/0522	07/10/77	60	5281	3141N	11641W	44.7	89.2	GGG			42	38
5814-14493	00000/0000	1-10060/0756	07/11/77	40	5294	4432N	08805W	45.6	104.6	GGG			25	29
5814-14534	00000/0000	1-10060/0757	07/11/77	50	5294	3019N	09239W	44.3	87.8	GGG			25	39
5814-14540	00000/0000	1-10060/0758	07/11/77	40	5294	2853N	09303W	44.0	86.3	GGG			25	40
5814-16311	00000/0000	1-10060/0661	07/11/77	50	5295	5010N	11134W	45.1	111.8	GGG			43	25
5814-16313	00000/0000	1-10060/0662	07/11/77	20	5295	4846N	11212W	45.3	110.0	GGG			43	26
5814-16320	00000/0000	1-10060/0663	07/11/77	20	5295	4721N	11248W	45.4	108.1	GGG			43	27
5814-16322	00000/0000	1-10060/0664	07/11/77	20	5295	4556N	11322W	45.5	106.3	GGG			43	28
5814-16325	00000/0000	1-10060/0665	07/11/77	10	5295	4431N	11355W	45.6	104.5	GGG			43	29
5814-16331	00000/0000	1-10060/0666	07/11/77	10	5295	4306N	11426W	45.6	102.8	GGG			43	30
5814-16334	00000/0000	1-10060/0667	07/11/77	0	5295	4141N	11457W	45.6	101.0	GGG			43	31
5814-16340	00000/0000	1-10060/0668	07/11/77	0	5295	4015N	11526W	45.6	99.3	GGG			43	32
5814-16343	00000/0000	1-10060/0669	07/11/77	0	5295	3849N	11555W	45.5	97.5	GGG			43	33
5814-16345	00000/0000	1-10060/0670	07/11/77	0	5295	3723N	11623W	45.4	95.8	GGG			43	34
5814-16352	00000/0000	1-10060/0671	07/11/77	0	5295	3558N	11650W	45.2	94.2	GGG			43	35
5814-16354	00000/0000	1-10060/0672	07/11/77	10	5295	3432N	11717W	45.1	92.5	GGG			43	36
5814-16361	00000/0000	1-10060/0673	07/11/77	60	5295	3308N	11744W	44.8	90.9	GGG			43	37
5814-19521	00000/0000	1-10060/0547	07/11/77	10	5297	6804N	14957W	39.7	138.9	GGG			80	12
5814-19524	00000/0000	1-10060/0548	07/11/77	10	5297	6645N	15133W	40.3	136.4	GGG			80	13
5814-19530	00000/0000	1-10060/0549	07/11/77	0	5297	6524N	15259W	40.8	134.0	GGG			80	14
5814-19533	00000/0000	1-10060/0550	07/11/77	10	5297	6404N	15418W	41.4	131.8	GGG			80	15

KEYS: CLOUD COVER X 0 TO 100 = X CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5814-19535	00000/0000	1-10060/0551	07/11/77	10	5297	6242N	15530W	41.9	129.6		GGG			79	16
5815-14542	00000/0000	1-10060/0699	07/12/77	40	5308	4723N	08824W	45.3	108.3		GGG			26	27
5815-14544	00000/0000	1-10060/0700	07/12/77	40	5308	4558N	08858W	45.4	106.4		GGG			26	28
5815-14551	00000/0000	1-10060/0701	07/12/77	10	5308	4433N	08931W	45.5	104.7		GGG			26	29
5815-14553	00000/0000	1-10060/0702	07/12/77	10	5308	4308N	09002W	45.5	102.9		GGG			26	30
5815-14560	00000/0000	1-10060/0703	07/12/77	10	5308	4143N	09033W	45.5	101.1		GGG			26	31
5815-14562	00000/0000	1-10060/0704	07/12/77	40	5308	4017N	09102W	45.5	99.4		GGG			26	32
5815-14565	00000/0000	1-10060/0705	07/12/77	30	5308	3851N	09131W	45.4	97.7		GGG			26	33
5815-14571	00000/0000	1-10060/0706	07/12/77	80	5308	3725N	09159W	45.3	96.0		GGG			26	34
5815-14574	00000/0000	1-10060/0707	07/12/77	30	5308	3559N	09226W	45.1	94.3		GGG			26	35
5815-14580	00000/0000	1-10060/0708	07/12/77	10	5308	3434N	09253W	45.0	92.7		GGG			26	36
5815-14583	00000/0000	1-10060/0709	07/12/77	20	5308	3308N	09318W	44.7	91.1		GGG			26	37
5815-14585	00000/0000	1-10060/0710	07/12/77	40	5308	3142N	09342W	44.5	89.5		GGG			26	38
5815-14592	00000/0000	1-10060/0711	07/12/77	50	5308	3017N	09406W	44.2	87.9		GGG			26	39
5815-14594	00000/0000	1-10060/0538	07/12/77	20	5308	2852N	09429W	43.9	86.4		GGG			26	40
5815-15001	00000/0000	1-10060/0539	07/12/77	20	5308	2726N	09452W	43.5	84.9		GGG			26	41
5815-15003	00000/0000	1-10060/0540	07/12/77	20	5308	2600N	09516W	43.1	83.5		GGG			26	42
5815-15010	00000/0000	1-10060/0541	07/12/77	20	5308	2432N	09539W	42.7	82.1		GGG			26	43
5815-16373	00000/0000	1-10060/0571	07/12/77	60	5309	4721N	11414W	45.3	108.2		GGG			44	27
5815-16380	00000/0000	1-10060/0572	07/12/77	20	5309	4556N	11448W	45.4	106.4		GGG			44	28
5815-16382	00000/0000	1-10060/0573	07/12/77	10	5309	4431N	11521W	45.5	104.6		GGG			44	29
5815-16385	00000/0000	1-10060/0574	07/12/77	0	5309	4306N	11553W	45.5	102.9		GGG			44	30
5815-16391	00000/0000	1-10060/0575	07/12/77	0	5309	4141N	11623W	45.5	101.1		QFG			44	31
5815-16394	00000/0000	1-10060/0576	07/12/77	0	5309	4015N	11653W	45.5	99.4		GGG			44	32
5815-16400	00000/0000	1-10060/0577	07/12/77	0	5309	3850N	11721W	45.4	97.7		GGG			44	33
5815-16403	00000/0000	1-10060/0578	07/12/77	0	5309	3725N	11749W	45.3	96.0		GGG			44	34
5815-16405	00000/0000	1-10060/0579	07/12/77	10	5309	3559N	11817W	45.1	94.3		GGG			44	35
5815-19572	00000/0000	1-10060/0552	07/12/77	10	5311	6922N	14937W	38.9	141.5		GGG			81	11
5815-19575	00000/0000	1-10060/0553	07/12/77	10	5311	6803N	15123W	39.5	138.9		GGG			81	12
5815-19581	00000/0000	1-10060/0554	07/12/77	10	5311	6644N	15258W	40.1	136.4		GGG			81	13
5815-19584	00000/0000	1-10060/0555	07/12/77	10	5311	6525N	15424W	40.7	134.0		GGG			81	14
5815-19590	00000/0000	1-10060/0556	07/12/77	0	5311	6404N	15543W	41.2	131.8		GGG			81	15
5815-19593	00000/0000	1-10060/0557	07/12/77	30	5311	6243N	15656W	41.7	129.6		GGG			81	16
5816-14593	00000/0000	1-10060/0724	07/13/77	10	5322	4848N	08914W	45.0	110.2		GGG			27	26
5816-15000	00000/0000	1-10060/0725	07/13/77	10	5322	4724N	08949W	45.1	108.3		GFG			27	27
5816-15002	00000/0000	1-10060/0726	07/13/77	0	5322	4559N	09023W	45.3	106.5		GGG			27	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5816-15005	00000/0000	1-10060/0727	07/13/77	0	5322	4434N	09056W	45.3	104.8		GGG			27	29
5816-15011	00000/0000	1-10060/0728	07/13/77	10	5322	4308N	09127W	45.4	103.0		GGG			27	30
5816-15014	00000/0000	1-10060/0729	07/13/77	10	5322	4143N	09158W	45.4	101.2		GGG			27	31
5816-15020	00000/0000	1-10060/0730	07/13/77	10	5322	4017N	09227W	45.3	99.5		GGG			27	32
5816-15023	00000/0000	1-10060/0731	07/13/77	10	5322	3852N	09257W	45.3	97.8		GGG			27	33
5816-15025	00000/0000	1-10060/0732	07/13/77	10	5322	3726N	09325W	45.2	96.1		GGG			27	34
5816-15032	00000/0000	1-10060/0733	07/13/77	10	5322	3601N	09352W	45.0	94.5		GGG			27	35
5816-15034	00000/0000	1-10060/0734	07/13/77	0	5322	3435N	09418W	44.8	92.8		GGG			27	36
5816-15041	00000/0000	1-10060/0735	07/13/77	0	5322	3310N	09443W	44.6	91.2		GGG			27	37
5816-15043	00000/0000	1-10060/0736	07/13/77	10	5322	3144N	09508W	44.4	89.7		GGG			27	38
5816-15050	00000/0000	1-10060/0542	07/13/77	10	5322	3018N	09532W	44.1	88.1		GGG			27	39
5816-15052	00000/0000	1-10060/0543	07/13/77	20	5322	2852N	09557W	43.8	86.6		GGG			27	40
5816-15055	00000/0000	1-10060/0544	07/13/77	10	5322	2726N	09619W	43.4	85.1		GGG			27	41
5816-15061	00000/0000	1-10060/0545	07/13/77	20	5322	2601N	09641W	43.0	83.7		GGG			27	42
5816-15064	00000/0000	1-10060/0546	07/13/77	20	5322	2435N	09703W	42.6	82.3		GGG			27	43
5816-16434	00000/0000	1-10060/0690	07/13/77	40	5323	4556N	11615W	45.3	106.45		GGG			45	28
5816-16440	00000/0000	1-10060/0691	07/13/77	10	5323	4430N	11648W	45.3	104.7		GGG			45	29
5816-16443	00000/0000	1-10060/0692	07/13/77	10	5323	4304N	11719W	45.4	103.0		GGG			45	30
5816-16445	00000/0000	1-10060/0693	07/13/77	10	5323	4139N	11750W	45.4	101.2		GGG			45	31
5816-16452	00000/0000	1-10060/0694	07/13/77	0	5323	4014N	11819W	45.3	99.45		GGG			45	32
5816-16454	00000/0000	1-10060/0695	07/13/77	0	5323	3849N	11847W	45.3	97.8		GGG			45	33
5816-16461	00000/0000	1-10060/0696	07/13/77	0	5323	3725N	11915W	45.2	96.1		GGG			45	34
5816-16463	00000/0000	1-10060/0697	07/13/77	10	5323	3600N	11943W	45.0	94.5		GGG			45	35
5816-16470	00000/0000	1-10060/0698	07/13/77	60	5323	3435N	12008W	44.8	92.8		GGG			45	36
5816-20024	00000/0000	1-10060/0558	07/13/77	20	5325	7042N	14900W	38.1	144.3		GGG			82	10
5816-20030	00000/0000	1-10060/0559	07/13/77	60	5325	6925N	15100W	38.7	141.5		GGG			82	11
5816-20033	00000/0000	1-10060/0560	07/13/77	20	5325	6806N	15247W	39.4	138.9		GGG			82	12
5816-20035	00000/0000	1-10060/0561	07/13/77	10	5325	6646N	15423W	39.9	136.4		GGG			82	13
5816-20042	00000/0000	1-10060/0562	07/13/77	10	5325	6525N	15550W	40.5	134.0		GGG			82	14
5816-20044	00000/0000	1-10060/0563	07/13/77	30	5325	6404N	15709W	41.0	131.8		GGG			82	15
5816-20051	00000/0000	1-10060/0564	07/13/77	90	5325	6243N	15821W	41.6	129.6		GGG			81	16
5817-15053	00000/0000	1-10060/0596	07/14/77	60	5336	4724N	09116W	45.0	108.5		GGG			28	27
5817-15060	00000/0000	1-10060/0597	07/14/77	40	5336	4558N	09150W	45.1	106.7		GGG			28	28
5817-15062	00000/0000	1-10060/0598	07/14/77	10	5336	4433N	09223W	45.2	104.9		GGG			28	29
5817-15065	00000/0000	1-10060/0599	07/14/77	0	5336	4308N	09254W	45.2	103.1		GGG			28	30
5817-15071	00000/0000	1-10060/0600	07/14/77	0	5336	4143N	09325W	45.2	101.4		GGG			28	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0117

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5817-15074	00000/0000	1-10060/0601	07/14/77	0	5336	4019N	09355W	45.2	99.7		GGG			28	32
5817-15080	00000/0000	1-10060/0602	07/14/77	0	5336	3853N	09423W	45.2	98.0		GGG			28	33
5817-15083	00000/0000	1-10060/0603	07/14/77	0	5336	3727N	09450W	45.0	96.3		GGG			28	34
5817-15085	00000/0000	1-10060/0604	07/14/77	10	5336	3601N	09517W	44.9	94.6		GGG			28	35
5817-15092	00000/0000	1-10060/0605	07/14/77	20	5336	3435N	09543W	44.7	93.0		GGG			28	36
5817-15094	00000/0000	1-10060/0606	07/14/77	20	5336	3310N	09608W	44.5	91.4		GGG			28	37
5817-15101	00000/0000	1-10060/0607	07/14/77	10	5336	3145N	09633W	44.3	89.8		GGG			28	38
5817-15103	00000/0000	1-10060/0608	07/14/77	20	5336	3020N	09658W	44.0	88.3		GGG			28	39
5817-15110	00000/0000	1-10060/0609	07/14/77	50	5336	2854N	09722W	43.7	86.8		GGG			28	40
5817-15112	00000/0000	1-10060/0610	07/14/77	30	5336	2728N	09747W	43.3	85.3		GGG			28	41
5817-15115	00000/0000	1-10060/0611	07/14/77	30	5336	2601N	09809W	42.9	83.9		GGG			28	42
5817-16494	00000/0000	1-10060/0682	07/14/77	0	5337	4433N	11813W	45.2	104.9		GGG			46	29
5817-16500	00000/0000	1-10060/0683	07/14/77	0	5337	4307N	11845W	45.2	103.1		GGG			46	30
5817-16503	00000/0000	1-10060/0684	07/14/77	0	5337	4142N	11915W	45.2	101.4		GGG			46	31
5817-16505	00000/0000	1-10060/0685	07/14/77	0	5337	4016N	11944W	45.2	99.6		GGG			46	32
5817-16512	00000/0000	1-10060/0686	07/14/77	0	5337	3850N	12013W	45.1	97.9		GGG			46	33
5817-16514	00000/0000	1-10060/0687	07/14/77	10	5337	3725N	12041W	45.0	96.3		GGG			46	34
5817-16521	00000/0000	1-10060/0688	07/14/77	50	5337	3601N	12108W	44.9	94.6		GGG			46	35
5817-16523	00000/0000	1-10060/0689	07/14/77	90	5337	3435N	12134W	44.7	93.0		GGG			46	36
5817-20084	00000/0000	1-10060/0565	07/14/77	30	5339	6926N	15226W	38.6	141.5		GGG			83	11
5817-20091	00000/0000	1-10060/0566	07/14/77	30	5339	6806N	15414W	39.2	138.9		GGG			83	12
5817-20093	00000/0000	1-10060/0567	07/14/77	20	5339	6646N	15550W	39.8	136.4		GGG			83	13
5817-20100	00000/0000	1-10060/0568	07/14/77	20	5339	6526N	15717W	40.3	134.1		GGG			83	14
5817-20102	00000/0000	1-10060/0569	07/14/77	40	5339	6405N	15837W	40.9	131.8		GGG			83	15
5817-20105	00000/0000	1-10060/0570	07/14/77	90	5339	6243N	15949W	41.4	129.6		GGG			83	16
5818-15105	00000/0000	1-10060/0612	07/15/77	20	5350	4849N	09207W	44.7	110.4		GGG			29	26
5818-15111	00000/0000	1-10060/0613	07/15/77	10	5350	4724N	09243W	44.9	108.6		GGG			29	27
5818-15114	00000/0000	1-10060/0614	07/15/77	10	5350	4600N	09318W	45.0	106.8		GGG			29	28
5818-15120	00000/0000	1-10060/0615	07/15/77	20	5350	4436N	09351W	45.1	105.0		GGG			29	29
5818-15123	00000/0000	1-10060/0616	07/15/77	50	5350	4310N	09422W	45.1	103.3		GGG			29	30
5818-15125	00000/0000	1-10060/0617	07/15/77	30	5350	4143N	09452W	45.1	101.5		GGG			29	31
5818-15132	00000/0000	1-10060/0618	07/15/77	30	5350	4017N	09521W	45.1	99.8		GGG			29	32
5818-15134	00000/0000	1-10060/0619	07/15/77	40	5350	3851N	09550W	45.0	98.1		GGG			29	33
5818-15141	00000/0000	1-10060/0620	07/15/77	10	5350	3726N	09618W	44.9	96.4		GGG			29	34
5818-15143	00000/0000	1-10060/0621	07/15/77	10	5350	3601N	09645W	44.8	94.8		GGG			29	35
5818-15150	00000/0000	1-10060/0622	07/15/77	10	5350	3436N	09711W	44.6	93.2		GGG			29	36

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0118

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5818-15152	00000/0000	1-10060/0623	07/15/77	10	5350	3311N	09737W	44.4	91.6		GGG			29	37
5818-15155	00000/0000	1-10060/0624	07/15/77	0	5350	3145N	09802W	44.2	90.0		GGG			29	38
5818-15161	00000/0000	1-10060/0625	07/15/77	10	5350	3019N	09826W	43.9	88.5		GGG			29	39
5818-15164	00000/0000	1-10060/0626	07/15/77	20	5350	2853N	09850W	43.6	87.0		GGG			29	40
5818-15170	00000/0000	1-10060/0627	07/15/77	10	5350	2727N	09913W	43.2	85.5		GGG			29	41
5818-15173	00000/0000	1-10060/0628	07/15/77	10	5350	2600N	09935W	42.8	84.1		GGG			29	42
5818-16543	00000/0000	1-10060/0674	07/15/77	10	5351	4723N	11832W	44.8	108.5		GGG			47	27
5818-16545	00000/0000	1-10060/0675	07/15/77	10	5351	4559N	11907W	45.0	106.8		GGG			47	28
5818-16552	00000/0000	1-10060/0676	07/15/77	0	5351	4434N	11940W	45.0	105.0		GGG			47	29
5818-16554	00000/0000	1-10060/0677	07/15/77	0	5351	4309N	12012W	45.1	103.2		GGG			47	30
5818-16561	00000/0000	1-10060/0678	07/15/77	0	5351	4144N	12043W	45.1	101.5		GGG			47	31
5818-16563	00000/0000	1-10060/0679	07/15/77	0	5351	4018N	12112W	45.1	99.8		FFF			47	32
5818-16570	00000/0000	1-10060/0680	07/15/77	10	5351	3852N	12140W	45.0	98.1		GGG			47	33
5818-16572	00000/0000	1-10060/0681	07/15/77	50	5351	3725N	12207W	44.9	96.4		GGG			47	34
5818-20135	00000/0000	1-10060/0750	07/15/77	0	5353	7045N	15153W	37.8	144.3		GGG			84	10
5818-20142	00000/0000	1-10060/0751	07/15/77	20	5353	6928N	15353W	38.4	141.5		GGG			84	11
5818-20144	00000/0000	1-10060/0752	07/15/77	20	5353	6808N	15541W	39.0	138.9		GGG			84	12
5818-20151	00000/0000	1-10060/0753	07/15/77	10	5353	6648N	15717W	39.6	136.4		GGG			84	13
5818-20153	00000/0000	1-10060/0754	07/15/77	10	5353	6527N	15845W	40.2	134.1		GGG			84	14
5818-20160	00000/0000	1-10060/0755	07/15/77	30	5353	6404N	16004W	40.7	131.8		GGG			84	15
5819-15162	00000/0000	1-10060/0629	07/16/77	30	5364	4850N	09334W	44.5	110.5		GGG			30	26
5819-15165	00000/0000	1-10060/0630	07/16/77	10	5364	4726N	09410W	44.7	108.7		GGG			30	27
5819-15171	00000/0000	1-10060/0631	07/16/77	10	5364	4602N	09444W	44.8	106.9		GGG			30	28
5819-15174	00000/0000	1-10060/0632	07/16/77	10	5364	4435N	09517W	44.9	105.1		GGG			30	29
5819-15180	00000/0000	1-10060/0633	07/16/77	10	5364	4308N	09548W	45.0	103.4		GGG			30	30
5819-15183	00000/0000	1-10060/0634	07/16/77	10	5364	4141N	09618W	45.0	101.7		GGG			30	31
5819-15185	00000/0000	1-10060/0635	07/16/77	30	5364	4016N	09647W	45.0	100.0		GGG			30	32
5819-15192	00000/0000	1-10060/0636	07/16/77	20	5364	3852N	09716W	44.9	98.3		GGG			30	33
5819-15194	00000/0000	1-10060/0637	07/16/77	10	5364	3728N	09744W	44.8	96.6		GGG			30	34
5819-15201	00000/0000	1-10060/0638	07/16/77	10	5364	3603N	09811W	44.7	95.0		GGG			30	35
5819-15203	00000/0000	1-10060/0639	07/16/77	0	5364	3438N	09838W	44.5	93.3		GGG			30	36
5819-15210	00000/0000	1-10060/0640	07/16/77	0	5364	3312N	09904W	44.3	91.8		GGG			30	37
5819-15212	00000/0000	1-10060/0641	07/16/77	0	5364	3146N	09929W	44.1	90.2		GGG			30	38
5819-15215	00000/0000	1-10060/0642	07/16/77	10	5364	3020N	09952W	43.8	88.7		GGG			30	39
5819-15221	00000/0000	1-10060/0643	07/16/77	10	5364	2853N	10015W	43.5	87.2		GGG			30	40
5819-15224	00000/0000	1-10060/0644	07/16/77	10	5364	2726N	10037W	43.1	85.7		GGG			30	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5819-16594	00000/0000	1-10060/0737	07/16/77	60	5365	4847N	11921W	44.5	110.5		GGG			48	26
5819-17001	00000/0000	1-10060/0738	07/16/77	40	5365	4722N	11957W	44.7	108.7		GGG			48	27
5819-17003	00000/0000	1-10060/0739	07/16/77	10	5365	4558N	12032W	44.8	106.9		GGG			48	28
5819-17010	00000/0000	1-10060/0740	07/16/77	10	5365	4433N	12105W	44.9	105.1		GGG			48	29
5819-17012	00000/0000	1-10060/0741	07/16/77	0	5365	4308N	12137W	45.0	103.4		GGG			48	30
5819-17015	00000/0000	1-10060/0742	07/16/77	0	5365	4143N	12208W	45.0	101.7		GGG			48	31
5819-17021	00000/0000	1-10060/0743	07/16/77	10	5365	4017N	12237W	44.9	99.9		GGG			48	32
5819-17024	00000/0000	1-10060/0744	07/16/77	40	5365	3851N	12305W	44.9	98.3		GGG			48	33
5819-20193	00000/0000	1-10060/0745	07/16/77	30	5367	7044N	15318W	37.6	144.3		GGG			85	10
5819-20200	00000/0000	1-10060/0746	07/16/77	10	5367	6926N	15518W	38.2	141.5		GGG			85	11
5819-20202	00000/0000	1-10060/0747	07/16/77	20	5367	6807N	15706W	38.8	138.9		GGG			85	12
5819-20205	00000/0000	1-10060/0748	07/16/77	30	5367	6646N	15842W	39.4	136.4		GGG			85	13
5819-20211	00000/0000	1-10060/0749	07/16/77	10	5367	6526N	16009W	40.0	134.1		GGG			85	14
5820-13391	00000/0000	1-10060/0712	07/17/77	30	5377	4723N	06946W	44.6	108.7		GGG			13	27
5820-13394	00000/0000	1-10060/0713	07/17/77	10	5377	4559N	07021W	44.7	107.0		GGG			13	28
5820-13400	00000/0000	1-10060/0714	07/17/77	70	5377	4434N	07053W	44.8	105.2		GGG			13	29
5820-13403	00000/0000	1-10060/0715	07/17/77	90	5377	4309N	07125W	44.8	103.5		GGG			13	30
5820-13405	00000/0000	1-10060/0716	07/17/77	40	5377	4144N	07155W	44.8	101.8		GGG			13	31
5820-13412	00000/0000	1-10060/0717	07/17/77	10	5377	4018N	07224W	44.8	100.1		GGG			13	32
5820-13414	00000/0000	1-10060/0718	07/17/77	10	5377	3851N	07253W	44.8	98.4		GGG			13	33
5820-13421	00000/0000	1-10060/0719	07/17/77	20	5377	3724N	07321W	44.7	96.7		GGG			13	34
5820-13423	00000/0000	1-10060/0720	07/17/77	20	5377	3557N	07348W	44.5	95.1		GGG			13	35
5820-13430	00000/0000	1-10060/0721	07/17/77	20	5377	3432N	07413W	44.4	93.5		GGG			13	36
5820-13432	00000/0000	1-10060/0722	07/17/77	10	5377	3307N	07439W	44.2	91.9		GGG			13	37
5820-13435	00000/0000	1-10060/0723	07/17/77	20	5377	3142N	07503W	43.9	90.3		GGG			13	38
5820-15220	00000/0000	1-10060/0645	07/17/77	50	5378	4851N	09459W	44.4	110.6		GGG			31	26
5820-15223	00000/0000	1-10060/0646	07/17/77	10	5378	4727N	09535W	44.5	108.8		GGG			31	27
5820-15225	00000/0000	1-10060/0647	07/17/77	20	5378	4601N	09609W	44.7	107.0		GGG			31	28
5820-15232	00000/0000	1-10060/0648	07/17/77	80	5378	4434N	09641W	44.8	105.3		GGG			31	29
5820-15234	00000/0000	1-10060/0649	07/17/77	30	5378	4308N	09713W	44.8	103.5		GGG			31	30
5820-15241	00000/0000	1-10060/0650	07/17/77	30	5378	4142N	09744W	44.8	101.8		GGG			31	31
5820-15243	00000/0000	1-10060/0651	07/17/77	10	5378	4017N	09813W	44.8	100.1		GGG			31	32
5820-15250	00000/0000	1-10060/0652	07/17/77	0	5378	3852N	09842W	44.8	98.4		GGG			31	33
5820-15252	00000/0000	1-10060/0653	07/17/77	10	5378	3728N	09910W	44.7	96.8		GGG			31	34
5820-15255	00000/0000	1-10060/0654	07/17/77	10	5378	3603N	09937W	44.5	95.1		GGG			31	35
5820-15261	00000/0000	1-10060/0655	07/17/77	10	5378	3438N	10003W	44.4	93.5		GGG			31	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0120

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIN.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5820-15264	00000/0000	1-10060/0656	07/17/77	0	5378	3311N	10028W	44.2	91.9		GGG			31	37
5820-15270	00000/0000	1-10060/0657	07/17/77	10	5378	3145N	10053W	43.9	90.4		GGG			31	38
5820-15273	00000/0000	1-10060/0658	07/17/77	10	5378	3019N	10117W	43.7	88.9		GGG			31	39
5820-15275	00000/0000	1-10060/0659	07/17/77	20	5378	2853N	10140W	43.4	87.4		GGG			31	40
5820-15282	00000/0000	1-10060/0660	07/17/77	20	5378	2727N	10202W	43.0	85.9		GGG			31	41
5820-17052	00000/0000	1-10060/0759	07/17/77	60	5379	4847N	12047W	44.4	110.6		GGF			49	26
5820-17054	00000/0000	1-10060/0760	07/17/77	80	5379	4722N	12123W	44.5	108.8		GG			49	27
5820-17061	00000/0000	1-10060/0761	07/17/77	80	5379	4557N	12157W	44.7	107.0		GGG			49	28
5820-17063	00000/0000	1-10060/0762	07/17/77	60	5379	4432N	12230W	44.8	105.3		GG			49	29
5820-17070	00000/0000	1-10060/0763	07/17/77	30	5379	4307N	12302W	44.8	103.5		FG			49	30
5820-17072	00000/0000	1-10060/0764	07/17/77	20	5379	4142N	12333W	44.8	101.8		GGF			49	31
5820-17075	00000/0000	1-10060/0765	07/17/77	20	5379	4017N	12402W	44.8	100.1		GGG			49	32
5820-17081	00000/0000	1-10060/0766	07/17/77	20	5379	3851N	12431W	44.8	98.4		GGP			49	33
5820-17084	00000/0000	1-10060/0767	07/17/77	10	5379	3725N	12458W	44.7	96.8		GGF			49	34
5820-20244	00000/0000	1-10060/0848	07/17/77	20	5381	7159N	15226W	36.8	147.3		GGG			86	9
5820-20251	00000/0000	1-10060/0849	07/17/77	10	5381	7043N	15442W	37.4	144.3		GGG			86	10
5820-20253	00000/0000	1-10060/0850	07/17/77	10	5381	6925N	15642W	38.1	141.5		GGG			86	11
5820-20260	00000/0000	1-10060/0851	07/17/77	10	5381	6806N	15830W	38.7	138.9		GGG			86	12
5820-20262	00000/0000	1-10060/0852	07/17/77	50	5381	6647N	16006W	39.3	136.4		GGG			86	13
5820-20265	00000/0000	1-10060/0853	07/17/77	70	5381	6526N	16133W	39.8	134.1		GGG			86	14
5820-20271	00000/0000	1-10060/0854	07/17/77	90	5381	6405N	16253W	40.4	131.9		GGG			86	15
5820-20274	00000/0000	1-10060/0855	07/17/77	90	5381	6243N	16406W	40.9	129.7		GGG			86	16
5820-20280	00000/0000	1-10060/0856	07/17/77	90	5381	6121N	16513W	41.4	127.6		GGG			85	17
5821-13472	00000/0000	1-10060/0825	07/18/77	20	5391	3852N	07419W	44.6	98.6		GGG			14	33
5821-13475	00000/0000	1-10060/0826	07/18/77	10	5391	3726N	07446W	44.5	96.9		GGG			14	34
5821-13481	00000/0000	1-10060/0827	07/18/77	10	5391	3600N	07512W	44.4	95.3		GGG			14	35
5821-13484	00000/0000	1-10060/0828	07/18/77	20	5391	3434N	07539W	44.3	93.7		GGG			14	36
5821-13490	00000/0000	1-10060/0829	07/18/77	20	5391	3308N	07605W	44.1	92.1		GGG			14	37
5821-13493	00000/0000	1-10060/0830	07/18/77	20	5391	3143N	07630W	43.8	90.5		GGG			14	38
5821-13495	00000/0000	1-10060/0831	07/18/77	20	5391	3018N	07653W	43.6	89.0		GGG			14	39
5821-15274	00000/0000	1-10060/0580	07/18/77	30	5392	4852N	09626W	44.2	110.7		GGG			32	26
5821-15281	00000/0000	1-10060/0581	07/18/77	20	5392	4726N	09702W	44.4	108.9		GGG			32	27
5821-15283	00000/0000	1-10060/0582	07/18/77	10	5392	4559N	09736W	44.5	107.2		GGG			32	28
5821-15290	00000/0000	1-10060/0583	07/18/77	0	5392	4434N	09808W	44.6	105.4		GGG			32	29
5821-15292	00000/0000	1-10060/0584	07/18/77	10	5392	4308N	09839W	44.7	103.7		GGG			32	30
5821-15295	00000/0000	1-10060/0585	07/18/77	10	5392	4143N	09909W	44.7	102.0		GGG			32	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0121

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			RBV	MSS				
5821-15301	00000/0000	1-10060/0586	07/18/77	0	5392	4018N	09939W	44.7	100.3		GGG			32	32
5821-15304	00000/0000	1-10060/0587	07/18/77	0	5392	3853N	10007W	44.6	98.6		GGG			32	33
5821-15310	00000/0000	1-10060/0588	07/18/77	10	5392	3728N	10036W	44.5	97.0		GGG			32	34
5821-15313	00000/0000	1-10060/0589	07/18/77	0	5392	3602N	10103W	44.4	95.3		GGG			32	35
5821-15315	00000/0000	1-10060/0590	07/18/77	0	5392	3437N	10129W	44.3	93.7		GGG			32	36
5821-15322	00000/0000	1-10060/0591	07/18/77	0	5392	3311N	10154W	44.1	92.1		GGG			32	37
5821-15324	00000/0000	1-10060/0592	07/18/77	0	5392	3145N	10218W	43.8	90.6		GGG			32	38
5821-15331	00000/0000	1-10060/0593	07/18/77	10	5392	3019N	10242W	43.6	89.1		GGG			32	39
5821-15333	00000/0000	1-10060/0594	07/18/77	10	5392	2854N	10306W	43.3	87.6		GGF			32	40
5821-15340	00000/0000	1-10060/0595	07/18/77	10	5392	2728N	10329W	42.9	86.1		GGG			32	41
5821-18485	00000/0000	1-10060/0789	07/18/77	60	5394	6646N	13547W	39.1	136.4		GGG			69	13
5821-18491	00000/0000	1-10060/0790	07/18/77	80	5394	6526N	13714W	39.7	134.1		GGG			69	14
5821-18494	00000/0000	1-10060/0791	07/18/77	40	5394	6404N	13834W	40.2	131.9		GGG			69	15
5821-18500	00000/0000	1-10060/0792	07/18/77	20	5394	6241N	13947W	40.7	129.7		GGG			69	16
5821-18503	00000/0000	1-10060/0793	07/18/77	60	5394	6118N	14054W	41.2	127.6		GGG			69	17
5821-18505	00000/0000	1-10060/0794	07/18/77	40	5394	5955N	14156W	41.7	125.6		GGG			68	18
5821-18512	00000/0000	1-10060/0795	07/18/77	90	5394	5832N	14252W	42.1	123.7		GGG			68	19
5821-20302	00000/0000	1-10060/0796	07/18/77	10	5395	7159N	15354W	36.6	147.3		GGG			87	9
5821-20305	00000/0000	1-10060/0797	07/18/77	10	5395	7043N	15609W	37.2	144.3		GGG			87	10
5821-20311	00000/0000	1-10060/0798	07/18/77	10	5395	6926N	15809W	37.9	141.5		GGG			87	11
5821-20314	00000/0000	1-10060/0799	07/18/77	10	5395	6807N	15957W	38.5	138.9		GGG			87	12
5821-20320	00000/0000	1-10060/0800	07/18/77	70	5395	6646N	16134W	39.1	136.5		GGG			87	13
5821-20323	00000/0000	1-10060/0801	07/18/77	30	5395	6526N	16302W	39.6	134.1		GGG			87	14
5821-20325	00000/0000	1-10060/0802	07/18/77	40	5395	6404N	16422W	40.2	131.9		GGG			87	15
5821-20332	00000/0000	1-10060/0803	07/18/77	90	5395	6243N	16535W	40.7	129.8		GGG			87	16
5822-13505	00000/0000	1-10060/0809	07/19/77	10	5405	4558N	07311W	44.4	107.3		GGG			15	28
5822-13512	00000/0000	1-10060/0810	07/19/77	30	5405	4432N	07344W	44.5	105.5		GGG			15	29
5822-13514	00000/0000	1-10060/0811	07/19/77	20	5405	4307N	07416W	44.5	103.8		GGG			15	30
5822-13521	00000/0000	1-10060/0812	07/19/77	10	5405	4141N	07447W	44.6	102.1		GGG			15	31
5822-13523	00000/0000	1-10060/0813	07/19/77	0	5405	4016N	07516W	44.6	100.4		GGG			15	32
5822-13530	00000/0000	1-10060/0814	07/19/77	0	5405	3850N	07545W	44.5	98.7		GGG			15	33
5822-13532	00000/0000	1-10060/0815	07/19/77	0	5405	3725N	07612W	44.4	97.1		GGG			15	34
5822-13535	00000/0000	1-10060/0816	07/19/77	10	5405	3559N	07639W	44.3	95.5		GGG			15	35
5822-13541	00000/0000	1-10060/0817	07/19/77	10	5405	3434N	07705W	44.1	93.9		GGG			15	36
5822-13544	00000/0000	1-10060/0818	07/19/77	20	5405	3309N	07731W	44.0	92.3		GGG			15	37
5822-13550	00000/0000	1-10060/0819	07/19/77	20	5405	3144N	07756W	43.7	90.7		GGG			15	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5822-13553	00000/0000	1-10060/0820	07/19/77	10	5405	3018N 07821W	43.5	89.2	GGG					15	39
5822-13555	00000/0000	1-10060/0821	07/19/77	10	5405	2852N 07846W	43.2	87.7	GGG					15	40
5822-13562	00000/0000	1-10060/0822	07/19/77	20	5405	2726N 07908W	42.8	86.3	GGG					15	41
5822-13564	00000/0000	1-10060/0823	07/19/77	30	5405	2600N 07931W	42.5	84.8	GGG					15	42
5822-13571	00000/0000	1-10060/0824	07/19/77	60	5405	2434N 07953W	42.1	83.4	GGG					15	43
5822-15332	00000/0000	1-10060/0832	07/19/77	40	5406	4850N 09751W	44.1	110.8	GGG					33	26
5822-15334	00000/0000	1-10060/0833	07/19/77	40	5406	4723N 09826W	44.2	109.1	GGG					33	27
5822-15341	00000/0000	1-10060/0834	07/19/77	30	5406	4557N 09901W	44.4	107.3	GGG					33	28
5822-15343	00000/0000	1-10060/0835	07/19/77	40	5406	4432N 09933W	44.5	105.6	GGG					33	29
5822-15350	00000/0000	1-10060/0836	07/19/77	30	5406	4308N 10005W	44.5	103.9	GGG					33	30
5822-15352	00000/0000	1-10060/0837	07/19/77	10	5406	4144N 10035W	44.6	102.1	FGF					33	31
5822-15355	00000/0000	1-10060/0838	07/19/77	0	5406	4018N 10104W	44.5	100.5	FGG					33	32
5822-15361	00000/0000	1-10060/0839	07/19/77	10	5406	3852N 10139W	44.5	98.8	FGG					33	33
5822-15364	00000/0000	1-10060/0840	07/19/77	0	5406	3727N 10201W	44.4	97.1	GGG					33	34
5822-15370	00000/0000	1-10060/0841	07/19/77	0	5406	3602N 10229W	44.3	95.5	GGG					33	35
5822-15373	00000/0000	1-10060/0842	07/19/77	10	5406	3437N 10255W	44.1	93.9	GGG					33	36
5822-15375	00000/0000	1-10060/0843	07/19/77	0	5406	3311N 10319W	43.9	92.3	GGF					33	37
5822-15382	00000/0000	1-10060/0844	07/19/77	0	5406	3145N 10344W	43.7	90.8	GGF					33	38
5822-15384	00000/0000	1-10060/0845	07/19/77	10	5406	3019N 10409W	43.5	89.3	PG					33	39
5822-15391	00000/0000	1-10060/0846	07/19/77	10	5406	2853N 10433W	43.2	87.8	PG					33	40
5822-15393	00000/0000	1-10060/0847	07/19/77	20	5406	2728N 10457W	42.8	86.3	FGG					33	41
5822-20363	00000/0000	1-10060/0768	07/19/77	0	5409	7043N 15736W	37.0	144.3	GGG					88	10
5822-20365	00000/0000	1-10060/0769	07/19/77	0	5409	6925N 15936W	37.7	141.5	FFG					88	11
5822-20372	00000/0000	1-10060/0770	07/19/77	0	5409	6806N 16124W	38.3	138.9	GGG					88	12
5822-20374	00000/0000	1-10060/0771	07/19/77	10	5409	6647N 16300W	38.9	136.5	GGG					88	13
5822-20381	00000/0000	1-10060/0772	07/19/77	10	5409	6526N 16427W	39.5	134.2	GGG					88	14
5823-13563	00000/0000	1-10061/0001	07/20/77	40	5419	4556N 07437W	44.2	107.4	GGG					16	28
5823-13570	00000/0000	1-10061/0002	07/20/77	10	5419	4432N 07510W	44.3	105.7	GGG					16	29
5823-13572	00000/0000	1-10061/0003	07/20/77	50	5419	4307N 07542W	44.4	103.9	GGG					16	30
5823-13575	00000/0000	1-10061/0004	07/20/77	90	5419	4142N 07612W	44.4	102.3	GGG					16	31
5823-13581	00000/0000	1-10061/0005	07/20/77	80	5419	4016N 07642W	44.4	100.6	GGG					16	32
5823-13584	00000/0000	1-10061/0006	07/20/77	70	5419	3850N 07711W	44.4	98.9	GGG					16	33
5823-13590	00000/0000	1-10061/0007	07/20/77	80	5419	3725N 07739W	44.3	97.3	GGG					16	34
5823-13593	00000/0000	1-10061/0008	07/20/77	20	5419	3559N 07806W	44.2	95.7	GGG					16	35
5823-13595	00000/0000	1-10061/0009	07/20/77	10	5419	3434N 07831W	44.0	94.1	GGG					16	36
5823-14002	00000/0000	1-10061/0010	07/20/77	10	5419	3308N 07856W	43.8	92.5	GGG					16	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5823-14004	00000/0000	1-10061/0011	07/20/77	20	5419	3143N	07921W	43.6	90.9		GGG			16	38
5823-14011	00000/0000	1-10061/0012	07/20/77	30	5419	3017N	07946W	43.4	89.4		GGG			16	39
5823-14013	00000/0000	1-10061/0013	07/20/77	30	5419	2850N	08010W	43.1	87.9		GGG			16	40
5823-14020	00000/0000	1-10061/0014	07/20/77	40	5419	2722N	08034W	42.7	86.5		GGG			16	41
5823-14022	00000/0000	1-10061/0015	07/20/77	20	5419	2556N	08056W	42.4	85.1		GGG			16	42
5823-14025	00000/0000	1-10061/0016	07/20/77	60	5419	2430N	08118W	42.0	83.7		GGG			16	43
5823-15390	00000/0000	1-10061/0162	07/20/77	10	5420	4850N	09916W	43.9	111.0		GGG			34	26
5823-15392	00000/0000	1-10061/0163	07/20/77	50	5420	4725N	09952W	44.1	109.2		GGG			34	27
5823-15395	00000/0000	1-10061/0164	07/20/77	90	5420	4600N	10026W	44.2	107.5		GGG			34	28
5823-15401	00000/0000	1-10061/0165	07/20/77	90	5420	4434N	10058W	44.3	105.7		GGG			34	29
5823-15404	00000/0000	1-10061/0166	07/20/77	90	5420	4309N	10130W	44.4	104.0		GGG			34	30
5823-15410	00000/0000	1-10061/0167	07/20/77	80	5420	4143N	10201W	44.4	102.3		GGG			34	31
5823-15413	00000/0000	1-10061/0168	07/20/77	20	5420	4018N	10230W	44.4	100.6		GGG			34	32
5823-15431	00000/0000	1-10061/0169	07/20/77	0	5420	3435N	10421W	44.0	94.3		GGG			34	36
5823-15433	00000/0000	1-10061/0170	07/20/77	10	5420	3310N	10446W	43.8	92.5		GGG			34	37
5823-15440	00000/0000	1-10061/0171	07/20/77	20	5420	3144N	10510W	43.6	91.0		GGG			34	38
5823-20420	00000/0000	1-10061/0042	07/20/77	40	5423	7043N	15900W	36.9	144.3		G			89	10
5823-20423	00000/0000	1-10061/0043	07/20/77	30	5423	6925N	16101W	37.5	141.5		GGG			89	11
5823-20425	00000/0000	1-10061/0044	07/20/77	10	5423	6806N	16248W	38.1	138.9		GGG			89	12
5823-20432	00000/0000	1-10061/0045	07/20/77	10	5423	6646N	16424W	38.7	136.5		GGG			89	13
5823-20434	00000/0000	1-10061/0046	07/20/77	20	5423	6526N	16551W	39.3	134.2		GGF			89	14
5823-20441	00000/0000	1-10061/0047	07/20/77	50	5423	6405N	16710W	39.8	132.0		GGG			89	15
5824-14012	00000/0000	1-10060/0773	07/21/77	70	5433	4846N	07454W	43.7	111.0		GGG			17	26
5824-14014	00000/0000	1-10060/0774	07/21/77	30	5433	4722N	07529W	43.9	109.3		GGG			17	27
5824-14023	00000/0000	1-10060/0775	07/21/77	90	5433	4431N	07636W	44.2	105.8		GGG			17	29
5824-14030	00000/0000	1-10060/0776	07/21/77	40	5433	4306N	07708W	44.2	104.1		GGG			17	30
5824-14032	00000/0000	1-10060/0777	07/21/77	10	5433	4141N	07739W	44.3	102.4		FGG			17	31
5824-14035	00000/0000	1-10060/0778	07/21/77	60	5433	4016N	07809W	44.3	100.8		GGG			17	32
5824-14041	00000/0000	1-10060/0779	07/21/77	50	5433	3850N	07837W	44.2	99.1		GGG			17	33
5824-14044	00000/0000	1-10060/0780	07/21/77	10	5433	3725N	07905W	44.2	97.5		GGG			17	34
5824-14050	00000/0000	1-10060/0781	07/21/77	0	5433	3559N	07931W	44.0	95.9		GGG			17	35
5824-14053	00000/0000	1-10060/0782	07/21/77	10	5433	3434N	07956W	43.9	94.3		GGG			17	36
5824-14055	00000/0000	1-10060/0783	07/21/77	20	5433	3308N	08020W	43.7	92.7		GGG			17	37
5824-14062	00000/0000	1-10060/0784	07/21/77	10	5433	3143N	08044W	43.5	91.2		GGG			17	38
5824-14064	00000/0000	1-10060/0785	07/21/77	10	5433	3017N	08109W	43.2	89.6		GGG			17	39
5824-14071	00000/0000	1-10060/0786	07/21/77	10	5433	2849N	08134W	43.0	88.2		GGG			17	40

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0124

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5824-14073	00000/0000	1-10060/0787	07/21/77	10	5433	2722N	08158W	42.6	86.7	GGG			17	41
5824-14080	00000/0000	1-10060/0788	07/21/77	10	5433	2555N	08221W	42.3	85.3	GGG			17	42
5824-15464	00000/0000	1-10061/0149	07/21/77	90	5434	4143N	10328W	44.3	102.5	GGG			35	31
5824-15470	00000/0000	1-10061/0150	07/21/77	100	5434	4017N	10358W	44.3	100.8	GGG			35	32
5824-15473	00000/0000	1-10061/0151	07/21/77	80	5434	3852N	10427W	44.2	99.2	GGG			35	33
5824-15475	00000/0000	1-10061/0152	07/21/77	60	5434	3727N	10454W	44.1	97.5	GGG			35	34
5824-15482	00000/0000	1-10061/0153	07/21/77	60	5434	3602N	10521W	44.0	95.9	GGG			35	35
5824-15484	00000/0000	1-10061/0154	07/21/77	40	5434	3437N	10548W	43.9	94.3	GGF			35	36
5824-15491	00000/0000	1-10061/0155	07/21/77	40	5434	3312N	10613W	43.7	92.8	GGG			35	37
5824-15493	00000/0000	1-10061/0156	07/21/77	40	5434	3146N	10638W	43.5	91.2	GGG			35	38
5824-20472	00000/0000	1-10061/0055	07/21/77	40	5437	7201N	15813W	36.0	147.3	GGG			90	9
5824-20474	00000/0000	1-10061/0056	07/21/77	50	5437	7045N	16027W	36.7	144.3	GGG			90	10
5824-20481	00000/0000	1-10061/0057	07/21/77	20	5437	6927N	16227W	37.3	141.5	GGG			90	11
5824-20483	00000/0000	1-10061/0058	07/21/77	10	5437	6808N	16415W	37.9	138.9	GGG			90	12
5824-20490	00000/0000	1-10061/0059	07/21/77	10	5437	6647N	16551W	38.5	136.5	GGG			90	13
5824-20492	00000/0000	1-10061/0060	07/21/77	10	5437	6526N	16718W	39.1	134.2	GGG			90	14
5824-20495	00000/0000	1-10061/0061	07/21/77	40	5437	6405N	16837W	39.6	132.0	GGG			90	15
5825-14072	00000/0000	1-10061/0021	07/22/77	60	5447	4723N	07655W	43.7	109.5	GGG			18	27
5825-14075	00000/0000	1-10061/0022	07/22/77	30	5447	4558N	07729W	43.9	107.8	GGG			18	28
5825-14081	00000/0000	1-10061/0023	07/22/77	10	5447	4433N	07802W	44.0	106.0	GGG			18	29
5825-14084	00000/0000	1-10061/0024	07/22/77	10	5447	4309N	07833W	44.1	104.4	GGG			18	30
5825-14090	00000/0000	1-10061/0025	07/22/77	10	5447	4144N	07904W	44.1	102.7	GGG			18	31
5825-14093	00000/0000	1-10061/0026	07/22/77	10	5447	4019N	07933W	44.1	101.0	GGG			18	32
5825-14095	00000/0000	1-10061/0027	07/22/77	40	5447	3853N	08002W	44.1	99.4	GGG			18	33
5825-14102	00000/0000	1-10061/0028	07/22/77	90	5447	3727N	08030W	44.0	97.7	GGG			18	34
5825-14104	00000/0000	1-10061/0029	07/22/77	90	5447	3601N	08056W	43.9	96.1	GGG			18	35
5825-14111	00000/0000	1-10061/0030	07/22/77	60	5447	3435N	08122W	43.8	94.5	GGG			18	36
5825-14113	00000/0000	1-10061/0031	07/22/77	30	5447	3310N	08146W	43.6	93.0	GGG			18	37
5825-14120	00000/0000	1-10061/0032	07/22/77	10	5447	3145N	08211W	43.4	91.4	GGG			18	38
5825-14122	00000/0000	1-10061/0033	07/22/77	10	5447	3020N	08236W	43.1	89.9	GGG			18	39
5825-14125	00000/0000	1-10061/0034	07/22/77	20	5447	2853N	08300W	42.9	88.5	GGG			18	40
5825-14131	00000/0000	1-10061/0035	07/22/77	10	5447	2726N	08324W	42.6	87.0	GGG			18	41
5825-14134	00000/0000	1-10061/0036	07/22/77	10	5447	2600N	08347W	42.2	85.6	GGG			18	42
5825-14140	00000/0000	1-10061/0037	07/22/77	30	5447	2434N	08410W	41.8	84.2	GGG			18	43
5825-15501	00000/0000	1-10061/0017	07/22/77	50	5448	4849N	10209W	43.6	111.2	GGG			36	26
5825-15504	00000/0000	1-10061/0018	07/22/77	10	5448	4724N	10245W	43.7	109.5	GGG			36	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0125

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
						LAT	LONG			123	45678				
5825-15510	00000/0000	1-10061/0019	07/22/77	10	5448	4558N	10319W	43.9	107.8		GGG			36	28
5825-15513	00000/0000	1-10061/0020	07/22/77	10	5448	4433N	10352W	44.0	106.0		GGG			36	29
5825-20525	00000/0000	1-10061/0048	07/22/77	20	5451	7159N	15940W	35.8	147.9		GGG			91	9
5825-20532	00000/0000	1-10061/0049	07/22/77	40	5451	7042N	16157W	36.5	144.3		GGG			91	10
5825-20534	00000/0000	1-10061/0050	07/22/77	10	5451	6924N	16357W	37.1	141.5		GGG			91	11
5825-20541	00000/0000	1-10061/0051	07/22/77	10	5451	6805N	16545W	37.7	139.0		GGG			91	12
5825-20543	00000/0000	1-10061/0052	07/22/77	10	5451	6645N	16722W	38.3	136.5		GGG			91	13
5825-20550	00000/0000	1-10061/0053	07/22/77	30	5451	6525N	16849W	38.9	134.2		GGG			91	14
5825-20552	00000/0000	1-10061/0054	07/22/77	30	5451	6405N	17008W	39.4	132.0		GGG			91	15
5826-14123	00000/0000	1-10061/0190	07/23/77	90	5461	4850N	07746W	43.4	111.4		GGG			19	26
5826-14130	00000/0000	1-10061/0191	07/23/77	90	5461	4724N	07822W	43.6	109.6		GGG			19	27
5826-14132	00000/0000	1-10061/0192	07/23/77	40	5461	4559N	07855W	43.7	107.9		GGG			19	28
5826-14135	00000/0000	1-10061/0193	07/23/77	10	5461	4434N	07928W	43.8	106.2		GGG			19	29
5826-14141	00000/0000	1-10061/0194	07/23/77	30	5461	4308N	08000W	43.9	104.5		GGG			19	30
5826-14144	00000/0000	1-10061/0195	07/23/77	20	5461	4143N	08030W	44.0	102.9		GGG			19	31
5826-14150	00000/0000	1-10061/0196	07/23/77	10	5461	4018N	08100W	44.0	101.2		GGG			19	32
5826-14153	00000/0000	1-10061/0197	07/23/77	20	5461	3853N	08128W	43.9	99.6		GGG			19	33
5826-14155	00000/0000	1-10061/0198	07/23/77	20	5461	3727N	08156W	43.9	97.9		GGF			19	34
5826-15555	00000/0000	1-10061/0157	07/23/77	10	5462	4848N	10334W	43.4	111.4		GGG			37	26
5826-15562	00000/0000	1-10061/0158	07/23/77	10	5462	4723N	10409W	43.6	109.6		GGG			37	27
5826-15564	00000/0000	1-10061/0159	07/23/77	0	5462	4559N	10443W	43.7	107.9		GGG			37	28
5826-15571	00000/0000	1-10061/0160	07/23/77	30	5462	4434N	10516W	43.8	106.2		GGG			37	29
5826-15573	00000/0000	1-10061/0161	07/23/77	50	5462	4308N	10549W	43.9	104.5		GGG			37	30
5826-20592	00000/0000	1-10060/0804	07/23/77	10	5465	6928N	16515W	36.9	141.6		GGG			92	11
5826-20595	00000/0000	1-10060/0805	07/23/77	10	5465	6809N	16705W	37.5	139.1		GGG			92	12
5826-21001	00000/0000	1-10060/0806	07/23/77	10	5465	6649N	16842W	38.1	136.7		GGG			92	13
5826-21004	00000/0000	1-10060/0807	07/23/77	10	5465	6529N	17010W	38.7	134.4		GGG			92	14
5826-21010	00000/0000	1-10060/0808	07/23/77	20	5465	6408N	17130W	39.2	132.2		GGG			92	15

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

!FIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS	MSS	ORBIT	FRAME	
										RBV	MSS	DATA	IMAGE	PAYH	ROW
										123	45678	MODE	NUM.	NUM.	
06353W	4733N	5495-13454	00000/0000	1-10052/0748	08/26/76	10	0845	41.0	127.0	GGGG				9	27
06353W	4728N	5513-13441	00000/0000	1-10053/0365	09/13/76	20	1096	36.0	132.6	GGGG				9	27
06427W	4608N	5495-13460	00000/0000	1-10052/0749	08/26/76	10	0845	41.6	125.5	GGGG				9	28
06428W	4603N	5513-13443	00000/0000	1-10053/0366	09/13/76	0	1096	36.7	131.3	FFGG				9	28
06520W	4729N	5496-13512	00000/0000	1-10052/0759	08/27/76	70	0859	40.8	127.3	FFGF				10	27
06526W	4731N	5763-13274	00000/0000	1-10059/0179	05/21/77	10	4582	46.3	113.6	GGG				10	27
06555W	4604N	5496-13514	00000/0000	1-10052/0760	08/27/76	90	0859	41.4	125.8	FFGF				10	28
06556W	4600N	5514-13501	00000/0000	1-10053/0422	09/14/76	10	1110	36.4	131.6	GGGG				10	28
06600W	4606N	5763-13280	00000/0000	1-10059/0180	05/21/77	10	4582	46.5	111.7	GGG				10	28
06628W	4439N	5496-13521	00000/0000	1-10052/0761	08/27/76	100	0859	41.8	124.2	FFGG				10	29
06629W	4435N	5514-13504	00000/0000	1-10053/0423	09/14/76	10	1110	37.1	130.3	GGGG				10	29
06633W	4440N	5763-13283	00000/0000	1-10059/0181	05/21/77	10	4582	46.7	109.9	GGG				10	29
06642W	4726N	5656-13430	00000/0000	1-10055/0158	02/03/77	40	3090	14.8	136.1	GGGG				11	27
06646W	4725N	5533-13540	00000/0000	1-10054/0132	10/03/76	10	1375	29.8	138.3	FFGG				11	27
06650W	4726N	5461-13595	00000/0000	1-10052/0046	07/23/76	20	0371	48.6	118.2	FFGG				11	27
06700W	4313N	5496-13523	00000/0000	1-10052/0762	08/27/76	90	0859	42.4	122.7	FFGG				10	30
06701W	4309N	5514-13510	00000/0000	1-10053/0424	09/14/76	20	1110	37.8	129.0	GGGG				10	30
06704W	4313N	5763-13285	00000/0000	1-10059/0182	05/21/77	10	4582	46.9	108.0	GGG				10	30
06717W	4600N	5656-13433	00000/0000	1-10055/0159	02/03/77	40	3090	15.6	135.4	GGGG				11	28
06721W	4601N	5533-13542	00000/0000	1-10054/0133	10/03/76	10	1375	30.6	137.2	GGGG				11	28
06725W	4601N	5461-14002	00000/0000	1-10052/0047	07/23/76	10	0371	49.0	116.3	GGGG				11	28
06751W	4435N	5656-13435	00000/0000	1-10055/0160	02/03/77	40	3090	16.4	134.8	GGGF				11	29
06754W	4437N	5533-13545	00000/0000	1-10054/0134	10/03/76	0	1375	31.5	136.2	FFGG				11	29
06757W	4435N	5461-14004	00000/0000	1-10052/0048	07/23/76	0	0371	49.3	114.3	GGGG				11	29
06814W	4731N	5480-14040	00000/0000	1-10052/0458	08/11/76	10	0636	44.7	122.6	GGGG				12	27
06814W	4724N	5534-13594	00000/0000	1-10054/0153	10/04/76	0	1389	29.5	138.5	GGG				12	27
06817W	4728N	5765-13390	00000/0000	1-10059/0183	05/23/77	10	4610	46.5	113.1	GGG				12	27
06824W	4309N	5656-13442	00000/0000	1-10055/0161	02/03/77	50	3090	17.2	134.1	GGGG				11	30
06826W	4311N	5533-13551	00000/0000	1-10054/0135	10/03/76	30	1375	32.3	135.1	FFFG				11	30
06828W	4310N	5461-14011	00000/0000	1-10052/0049	07/23/76	0	0371	49.6	112.3	FFGG				11	30
06833W	4314N	5764-13343	00000/0000	1-10059/0121	05/22/77	0	4596	47.0	107.8	GGG				11	30
06846W	4601N	5675-13473	00000/0000	1-10056/0027	02/22/77	10	3355	20.9	131.7	GGGG				12	28
06848W	4606N	5480-14043	00000/0000	1-10052/0459	08/11/76	0	0636	45.2	120.9	FFGG				12	28
06848W	4559N	5534-14000	00000/0000	1-10054/0154	10/04/76	0	1389	30.8	137.5	GGG				12	28
06852W	4603N	5765-13392	00000/0000	1-10059/0184	05/23/77	10	4610	46.7	111.2	GGG				12	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0127

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS	MSS	ORBIT	FRAME
										123	45678	DATA MODE	IMAGE GAIN	PATH NUM.
06856W	4143N	5656-13444	00000/0000	1-10055/0162	02/03/77	70	3090	18.0	133.4	GGGG			11	31
06857W	4145N	5533-13554	00000/0000	1-10054/0136	10/03/76	50	1375	33.0	134.1	FFGG			11	31
06858W	4146N	5461-14013	00000/0000	1-10052/0050	07/23/76	30	0371	49.8	110.3	FGGG			11	31
06904W	4149N	5764-13350	00000/0000	1-10059/0122	05/22/77	10	4596	47.1	105.9	GGF			11	31
06919W	4435N	5675-13480	00000/0000	1-10056/0028	02/22/77	10	3355	21.6	130.9	GGGG			12	29
06921W	4440N	5480-14045	00000/0000	1-10052/0460	08/11/76	0	0636	45.6	119.1	GGGG			12	29
06922W	4434N	5534-14003	00000/0000	1-10054/0155	10/04/76	0	1389	31.2	136.5	G GG			12	29
06926W	4438N	5765-13395	00000/0000	1-10059/0185	05/23/77	10	4610	46.8	109.3	GGG			12	29
06926W	4019N	5533-13560	00000/0000	1-10054/0137	10/03/76	90	1375	33.8	133.0	GGGG			11	32
06926W	4017N	5656-13451	00000/0000	1-10055/0163	02/03/77	70	3090	18.7	132.8	GGGG			11	32
06927W	4022N	5461-14020	00000/0000	1-10054/0151	10/04/76	80	0371	50.0	108.4	GGGG			11	32
06933W	4023N	5764-13352	00000/0000	1-10059/0123	05/22/77	10	4596	47.2	104.1	GGF			11	32
06940W	4727N	5535-14052	00000/0000	1-10054/0203	10/05/76	10	1403	29.2	138.8	FGGG			13	27
06944W	4727N	5766-13444	00000/0000	1-10059/0125	05/24/77	10	4624	46.6	112.8	GGG			13	27
06945W	4723N	5802-13410	00000/0000	1-10060/0296	06/29/77	80	5126	46.8	107.8	FGG			13	27
06946W	4723N	5820-13391	00000/0000	1-10060/0712	07/17/77	30	5377	44.6	108.7	GGG			13	27
06951W	4310N	5675-13482	00000/0000	1-10056/0029	02/22/77	20	3355	22.3	130.0	FGFG			12	30
06953W	4315N	5480-14052	00000/0000	1-10052/0461	08/11/76	0	0636	46.0	117.4	GGGG			12	30
06953W	4309N	5534-14005	00000/0000	1-10054/0156	10/04/76	0	1389	32.0	135.4	G FF			12	30
06958W	4313N	5765-13401	00000/0000	1-10059/0186	05/23/77	0	4610	47.1	107.5	GGG			12	30
07002W	3857N	5764-13355	00000/0000	1-10059/0124	05/22/77	10	4596	47.2	102.3	GGG			11	33
07015W	4601N	5535-14054	00000/0000	1-10054/0204	10/05/76	10	1403	30.0	137.8	GGGG			13	28
07019W	4602N	5766-13450	00000/0000	1-10059/0126	05/24/77	10	4624	46.8	110.9	GGG			13	28
07019W	4558N	5802-13413	00000/0000	1-10060/0297	06/29/77	90	5126	46.9	105.9	GGG			13	28
07021W	4559N	5820-13394	00000/0000	1-10060/0713	07/17/77	10	5377	44.7	107.0	GGG			13	28
07021W	4144N	5675-13485	00000/0000	1-10056/0030	02/22/77	10	3355	22.9	129.2	FGGG			12	31
07024W	4149N	5480-14054	00000/0000	1-10052/0462	08/11/76	10	0636	46.4	115.6	FGGG			12	31
07024W	4143N	5534-14012	00000/0000	1-10054/0157	10/04/76	10	1389	32.8	134.4	FFGG			12	31
07029W	4147N	5765-13404	00000/0000	1-10059/0187	05/23/77	10	4610	47.2	105.6	GGG			12	31
07047W	4435N	5535-14061	00000/0000	1-10054/0205	10/05/76	10	1403	30.8	136.7	GGGG			13	29
07051W	4433N	5802-13415	00000/0000	1-10060/0298	06/29/77	90	5126	46.2	104.0	GGG			13	29
07052W	4437N	5766-13453	00000/0000	1-10059/0127	05/24/77	10	4624	47.0	109.1	GGG			13	29
07053W	4434N	5820-13400	00000/0000	1-10060/0714	07/17/77	70	5377	44.8	105.2	GGG			13	29
07053W	4024N	5480-14061	00000/0000	1-10052/0463	08/11/76	30	0636	46.7	113.9	GGGG			12	32
07053W	4018N	5534-14014	00000/0000	1-10054/0158	10/04/76	60	1389	33.5	133.3	GGGG			12	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
07059W	4022N	5765-13410	00000/0000	1-10059/0188	05/23/77	10	4610	47.3	103.8	GGG			12	32
07106W	4727N	5518-14122	00000/0000	1-10053/0480	09/18/76	80	1166	34.5	134.1	GG			14	27
07106W	4723N	5536-14110	00000/0000	1-10054/0225	10/06/76	70	1417	28.8	139.0	GGGG			14	27
07107W	4730N	5482-14152	00000/0000	1-10052/0516	08/13/76	90	0664	44.3	123.1	GGGG			14	27
07118W	4310N	5535-14063	00000/0000	1-10054/0206	10/05/76	20	1403	31.7	135.7	GGGG			13	30
07122W	3858N	5480-14063	00000/0000	1-10052/0464	08/11/76	60	0636	47.0	112.1	GGGG			12	33
07122W	3852N	5534-14021	00000/0000	1-10054/0159	10/04/76	70	1389	34.3	132.2	GGGG			12	33
07123W	4308N	5802-13422	00000/0000	1-10060/0299	06/29/77	100	5126	46.9	102.2	GGG			13	30
07124W	4312N	5766-13455	00000/0000	1-10059/0128	05/24/77	10	4624	47.2	107.2	GGG			13	30
07125W	4309N	5820-13403	00000/0000	1-10060/0715	07/17/77	90	5377	44.8	103.5	GGG			13	30
07127W	3856N	5765-13413	00000/0000	1-10059/0189	05/23/77	10	4610	47.3	102.0	GGG			12	33
07140W	4601N	5518-14125	00000/0000	1-10052/0517	09/18/76	90	1166	35.2	132.9	FGGG		H	14	28
07141W	4605N	5482-14155	00000/0000	1-10052/0517	08/13/76	80	0664	44.8	121.4	GGGG			14	28
07141W	4557N	5536-14112	00000/0000	1-10054/0226	10/06/76	60	1417	29.7	138.0	GGGG			14	28
07143W	4604N	5464-14172	00000/0000	1-10052/0111	07/26/76	90	0413	48.4	116.9	GGGG			14	28
07149W	4144N	5535-14070	00000/0000	1-10054/0207	10/05/76	90	1403	32.5	134.7	GGGG			13	31
07150W	3733N	5480-14070	00000/0000	1-10052/0465	08/11/76	30	0636	47.2	110.3	FGGG			12	34
07150W	3726N	5534-14023	00000/0000	1-10054/0160	10/04/76	30	1389	35.0	131.1	GGGG			12	34
07155W	4147N	5766-13462	00000/0000	1-10059/0129	05/24/77	10	4624	47.3	105.4	GGG			13	31
07155W	4144N	5820-13405	00000/0000	1-10060/0716	07/17/77	40	5377	44.8	101.8	GGG			13	31
07155W	3730N	5765-13415	00000/0000	1-10059/0190	05/23/77	30	4610	47.9	100.2	GGG			12	34
07213W	4435N	5518-14131	00000/0000	1-10053/0468	09/18/76	90	1166	36.0	131.6	FGGG		H	14	29
07214W	4439N	5482-14161	00000/0000	1-10052/0518	08/13/76	90	0664	45.2	119.7	GGGG			14	29
07214W	4431N	5536-14115	00000/0000	1-10054/0227	10/06/76	80	1417	30.6	137.0	GGGG			14	29
07216W	4437N	5464-14174	00000/0000	1-10052/0112	07/26/76	40	0413	48.8	115.0	GGGG			14	29
07217W	3606N	5480-14072	00000/0000	1-10052/0466	08/11/76	40	0636	47.5	108.6	GGGG			12	35
07217W	3601N	5534-14030	00000/0000	1-10054/0161	10/04/76	30	1389	35.7	130.0	GGGG			12	35
07219W	4019N	5535-14072	00000/0000	1-10054/0208	10/05/76	90	1403	33.2	133.6	GGGG			13	32
07224W	4018N	5820-13412	00000/0000	1-10060/0717	07/17/77	10	5377	44.8	100.1	GGG			13	32
07226W	4021N	5766-13464	00000/0000	1-10059/0130	05/24/77	20	4624	47.4	103.5	GGG			13	32
07237W	4729N	5768-13555	00000/0000	1-10059/0155	05/26/77	0	4652	46.8	112.4	GGG			15	27
07243W	4318N	5500-14151	00000/0000	1-10053/0031	08/31/76	10	0915	41.4	124.2	GGGG			14	30
07245W	4310N	5518-14134	00000/0000	1-10053/0469	09/18/76	70	1166	36.7	130.4	FGGG		H	14	30
07245W	4306N	5536-14121	00000/0000	1-10054/0228	10/06/76	90	1417	31.4	136.0	GGGG			14	30
07246W	4313N	5482-14164	00000/0000	1-10052/0524	08/13/76	90	0664	45.6	118.0	GG			14	30

KEYS: CLAUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY (BLANKS)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0129

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
07248W	4313N	5464-14181	00000/0000	1-10052/0113	07/26/76	10	0413	49.1	113.1		GGGG			14	30
07253W	3851N	5820-13414	00000/0000	1-10060/0718	07/17/77	10	5377	44.8	98.4		GGG			13	33
07255W	3855N	5766-13471	00000/0000	1-10059/0131	05/24/77	30	4624	47.4	101.7		GGG			13	33
07303W	4602N	5519-14183	00000/0000	1-10053/0492	09/19/76	40	1180	34.9	133.2		GGGG			15	28
07311W	4558N	5822-13505	00000/0000	1-10060/0809	07/19/77	10	5405	44.4	107.3		GGG			15	28
07312W	4605N	5768-13562	00000/0000	1-10059/0156	05/26/77	0	4652	47.0	110.5		GGG			15	28
07314W	4153N	5500-14153	00000/0000	1-10053/0032	08/31/76	10	0915	42.0	122.7		GGGG			14	31
07315W	4141N	5536-14124	00000/0000	1-10054/0229	10/06/76	90	1417	32.2	134.9		GGGG			14	31
07316W	4147N	5482-14170	00000/0000	1-10052/0519	08/13/76	30	0664	46.0	116.3		GGGG		H	14	31
07316W	4144N	5518-14140	00000/0000	1-10053/0470	09/18/76	60	1166	37.3	129.1		FGGG		H	14	31
07318W	4149N	5464-14183	00000/0000	1-10052/0114	07/26/76	10	0413	49.3	111.1		GGGG			14	31
07320W	4142N	5803-13482	00000/0000	1-10060/0392	06/30/77	10	5140	46.8	100.4		GGG			14	31
07321W	3724N	5820-13421	00000/0000	1-10060/0719	07/17/77	20	5377	44.7	96.7		GGG			13	34
07336W	4437N	5519-14185	00000/0000	1-10053/0493	09/19/76	40	1180	35.7	132.0		GGGG			15	29
07342W	4438N	5750-13582	00000/0000	1-10058/0099	05/08/77	10	4401	44.7	113.3		GGG			15	29
07342W	4436N	5465-14232	00000/0000	1-10052/0151	07/27/76	90	0427	48.6	115.1		GGGG			15	29
07344W	4432N	5822-13512	00000/0000	1-10060/0810	07/19/77	30	5405	44.5	105.5		GGG			15	29
07344W	4027N	5500-14160	00000/0000	1-10053/0033	08/31/76	0	0915	42.5	121.2		GGFG			14	32
07344W	4017N	5536-14130	00000/0000	1-10054/0230	10/06/76	90	1417	33.0	133.9		GGGG			14	32
07345W	4439N	5768-13564	00000/0000	1-10059/0157	05/26/77	10	4652	47.2	108.6		GGG			15	29
07345W	4022N	5482-14173	00000/0000	1-10052/0520	08/13/76	10	0664	46.4	114.5		GGGG		H	14	32
07346W	4019N	5518-14143	00000/0000	1-10053/0481	09/18/76	10	1166	38.0	127.9		GG		H	14	32
07347W	4025N	5464-14190	00000/0000	1-10052/0115	07/26/76	10	0413	49.5	109.2		GGGG			14	32
07348W	3557N	5820-13423	00000/0000	1-10060/0720	07/17/77	20	5377	44.5	95.1		GGG			13	35
07349W	4017N	5803-13485	00000/0000	1-10060/0393	06/30/77	0	5140	46.8	98.6		GGG			14	32
07353W	4731N	5502-14251	00000/0000	1-10053/0124	09/02/76	20	0943	39.1	129.2		GGGG			16	27
07402W	4724N	5787-13595	00000/0000	1-10059/0538	06/14/77	40	4917	47.6	108.9		GGG			16	27
07404W	4727N	5769-14013	00000/0000	1-10059/0061	05/27/77	70	4666	46.8	112.1		GGG			16	27
07408W	4313N	5519-14192	00000/0000	1-10053/0494	09/19/76	50	1180	36.4	130.7		GGGG			15	30
07413W	3901N	5500-14162	00000/0000	1-10053/0034	08/31/76	0	0915	42.9	119.7		GGFG			14	33
07413W	3857N	5482-14175	00000/0000	1-10052/0521	08/13/76	10	0664	46.7	112.8		GGGG		H	14	33
07413W	3851N	5536-14133	00000/0000	1-10054/0231	10/06/76	70	1417	33.7	132.9		GGGG			14	33
07413W	3432N	5820-13430	00000/0000	1-10060/0721	07/17/77	20	5377	44.4	93.5		GGG			13	36
07414W	4313N	5750-13585	00000/0000	1-10058/0100	05/08/77	10	4401	45.0	111.6		GGG			15	30
07414W	4310N	5465-14235	00000/0000	1-10052/0152	07/27/76	80	0427	48.9	113.2		GGGG			15	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0130

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
07415W	3854N	5518-14145	00000/0000	1-10053/0471	09/18/76	30	1166	38.6	126.6	F000			14	33
07416W	4312N	5768-13571	00000/0000	1-10059/0158	05/26/77	10	4652	47.3	106.8	GGG			15	30
07416W	4307N	5822-13514	00000/0000	1-10060/0811	07/19/77	20	5405	44.5	103.8	GGG			15	30
07418W	3852N	5803-13491	00000/0000	1-10060/0394	06/30/77	0	5140	46.7	96.8	GGG			14	33
07419W	3852N	5821-13472	00000/0000	1-10060/0825	07/18/77	20	5391	44.6	98.6	GGG			14	33
07428W	4606N	5502-14254	00000/0000	1-10053/0125	09/02/76	10	0943	39.8	127.7	GGGG			16	28
07433W	4605N	5751-14034	00000/0000	1-10058/0083	05/09/77	60	4415	44.6	114.7	GGG			16	28
07435W	4600N	5787-14001	00000/0000	1-10059/0539	06/14/77	60	4917	47.7	107.0	GGG			16	28
07437W	4556N	5823-13563	00000/0000	1-10061/0001	07/20/77	40	5419	44.2	107.4	GGG			16	28
07437W	4142N	5660-14072	00000/0000	1-10055/0205	02/07/77	20	3146	18.9	132.5	GGGG			15	31
07438W	4558N	5805-13582	00000/0000	1-10060/0335	07/02/77	80	5168	46.6	105.9	GGG			16	28
07438W	4148N	5519-14194	00000/0000	1-10053/0499	09/19/76	30	1180	37.0	129.5	GG			15	31
07439W	4602N	5769-14020	00000/0000	1-10059/0062	05/27/77	90	4666	47.1	110.2	GGG			16	28
07439W	3307N	5820-13432	00000/0000	1-10060/0722	07/17/77	10	5377	44.2	91.9	GGG			13	37
07440W	3732N	5482-14182	00000/0000	1-10052/0525	08/13/76	0	0664	46.9	111.0	GG		H	14	34
07440W	3726N	5536-14135	00000/0000	1-10054/0232	10/06/76	40	1417	34.5	131.8	GGGG			14	34
07441W	3735N	5500-14165	00000/0000	1-10053/0035	08/31/76	10	0915	43.4	118.1	GGFF			14	34
07443W	3729N	5518-14152	00000/0000	1-10053/0472	09/18/76	60	1166	39.2	125.3	F000			14	34
07445W	4848N	5680-14150	00000/0000	1-10056/0083	02/27/77	100	3425	21.1	132.4	GGGG			17	26
07445W	4148N	5750-13591	00000/0000	1-10058/0101	05/08/77	10	4401	45.2	109.8	GGG			15	31
07445W	4145N	5465-14241	00000/0000	1-10052/0157	07/27/76	70	0427	49.2	111.3	GG			15	31
07445W	3727N	5803-13494	00000/0000	1-10060/0395	06/30/77	10	5140	46.6	95.0	GFG			14	34
07446W	3726N	5821-13475	00000/0000	1-10060/0826	07/18/77	10	5391	44.5	96.9	GFG			14	34
07447W	4146N	5768-13573	00000/0000	1-10059/0159	05/26/77	10	4652	47.4	104.9	GGG			15	31
07447W	4141N	5822-13521	00000/0000	1-10060/0812	07/19/77	10	5405	44.6	102.1	GGG			15	31
07454W	4846N	5824-14012	00000/0000	1-10060/0773	07/21/77	70	5433	43.7	111.0	GGG			17	26
07502W	4440N	5502-14260	00000/0000	1-10053/0126	09/02/76	10	0943	40.4	126.3	GGGG			16	29
07503W	3142N	5820-13435	00000/0000	1-10060/0723	07/17/77	20	5377	43.9	90.3	GGG			13	38
07506W	4018N	5660-14074	00000/0000	1-10055/0206	02/07/77	10	3146	19.6	131.9	GGGG			15	32
07507W	4439N	5751-14040	00000/0000	1-10058/0084	05/09/77	60	4415	44.9	113.0	GGG			16	29
07507W	3608N	5500-14171	00000/0000	1-10053/0036	08/31/76	20	0915	43.8	116.6	GFGG			14	35
07507W	3601N	5536-14142	00000/0000	1-10054/0233	10/06/76	30	1417	35.2	130.7	GGGG			14	35
07508W	4435N	5787-14004	00000/0000	1-10059/0540	06/14/77	60	4917	47.8	105.1	GGG			16	29
07508W	3606N	5482-14184	00000/0000	1-10052/0522	08/13/76	10	0664	47.2	109.3	GGGG			14	35
07509W	4022N	5519-14201	00000/0000	1-10053/0495	09/19/76	10	1180	37.7	128.3	GGGG		H	15	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0131

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV				
07510W	4432N	5823-13570	00000/0000	1-10061/0002	07/20/77	10	5419	44.3	105.7	GGG		16	29
07511W	4433N	5805-13585	00000/0000	1-10060/0336	07/02/77	70	5168	46.6	104.1	GGG		16	29
07511W	4022N	5501-14214	00000/0000	1-10053/0115	09/01/76	10	0929	42.2	121.5	GGGG	H	15	32
07511W	3605N	5464-14201	00000/0000	1-10052/0116	07/26/76	10	0413	49.9	103.3	GGGG		14	35
07511W	3603N	5518-14154	00000/0000	1-10053/0473	09/18/76	60	1166	39.8	124.0	FGGG		14	35
07512W	3600N	5803-13500	00000/0000	1-10060/0396	06/30/77	20	5140	46.4	93.3	GF0		14	35
07512W	3600N	5821-13481	00000/0000	1-10060/0827	07/18/77	10	5391	44.4	95.3	GGG		14	35
07513W	4437N	5769-14022	00000/0000	1-10059/0063	05/27/77	40	4666	47.3	108.4	GGG		16	29
07514W	4019N	5465-14244	00000/0000	1-10052/0153	07/27/76	40	0427	49.4	109.4	FGGG	H	16	32
07515W	4024N	5750-13594	00000/0000	1-10058/0102	05/08/77	0	4401	45.4	108.1	GGG		18	32
07516W	4020N	5768-13580	00000/0000	1-10059/0160	05/26/77	0	4652	47.5	103.1	GGG		18	32
07516W	4016N	5822-13523	00000/0000	1-10060/0813	07/19/77	0	5405	44.6	100.4	GGG		15	32
07521W	4723N	5680-14152	00000/0000	1-10056/0084	02/27/77	100	3425	21.8	131.5	GGGG		17	27
07522W	4727N	5503-14305	00000/0000	1-10053/0179	09/03/76	90	0957	38.9	129.4	GGGG		17	27
07527W	4729N	5467-14335	00000/0000	1-10052/0159	07/29/76	10	0455	47.5	119.4	GGGG		17	27
07528W	4730N	5752-14085	00000/0000	1-10058/0185	05/10/77	50	4429	44.5	116.3	GGG		17	27
07528W	4724N	5788-14053	00000/0000	1-10059/0563	06/15/77	10	4931	47.5	108.8	GGG		17	27
07529W	4722N	5824-14014	00000/0000	1-10060/0774	07/21/77	30	5433	43.9	109.3	GGG		17	27
07532W	4729N	5770-14071	00000/0000	1-10059/0077	05/28/77	90	4680	47.0	112.0	GGG		17	27
07532W	3435N	5536-14144	00000/0000	1-10054/0234	10/06/76	30	1417	35.8	129.6	GGGG		14	36
07533W	3441N	5500-14174	00000/0000	1-10053/0037	08/31/76	30	0915	44.2	115.0	GGGG		14	36
07535W	3853N	5660-14081	00000/0000	1-10055/0207	02/07/77	0	3146	20.3	131.2	GGGG		15	33
07535W	3439N	5482-14191	00000/0000	1-10052/0523	08/13/76	30	0664	47.3	107.5	GGGG		14	36
07536W	4314N	5502-14263	00000/0000	1-10053/0127	09/02/76	40	0943	40.8	124.9	GGGG		16	30
07536W	4308N	5661-14123	00000/0000	1-10056/0001	02/08/77	10	3160	18.4	133.0	GGGG		16	30
07537W	3438N	5464-14204	00000/0000	1-10052/0117	07/26/76	10	0413	49.9	101.4	GGGG		14	36
07538W	3855N	5519-14203	00000/0000	1-10053/0500	09/19/76	0	1180	38.9	127.0	G	H	15	33
07538W	3439N	5749-13554	00000/0000	1-10058/0046	05/07/77	30	4387	45.6	101.6	GGG		14	36
07538W	3438N	5518-14161	00000/0000	1-10053/0474	09/18/76	50	1166	40.4	122.7	FGGG		14	36
07538W	3434N	5803-13503	00000/0000	1-10060/0397	06/30/77	20	5140	46.2	91.6	GGG		14	36
07539W	4313N	5751-14043	00000/0000	1-10058/0085	05/09/77	90	4415	45.2	111.2	GGG		16	30
07539W	3434N	5821-13484	00000/0000	1-10060/0828	07/18/77	20	5391	44.3	93.7	GGG		14	36
07540W	3856N	5501-14220	00000/0000	1-10053/0116	09/01/76	10	0929	42.7	120.0	GGGG	H	15	33
07541W	4309N	5787-14010	00000/0000	1-10059/0541	06/14/77	90	4917	47.8	103.2	GGG		16	30
07542W	4307N	5805-13591	00000/0000	1-10060/0337	07/02/77	30	5168	46.7	102.2	GGG		16	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 1977

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0132

PRINCIPAL POINT OF IMAGE LONG	POINT LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
07542W	4307N	5823-13572	00000/0000	1-10061/0003	07/20/77	50	5419	44.4	103.9	GGG			16	30
07542W	3854N	5465-14250	00000/0000	1-10052/0154	07/27/76	20	0427	49.6	107.4	GGGG		H	15	33
07543W	3858N	5750-14000	00000/0000	1-10058/0103	05/08/77	0	4401	45.5	106.4	GGF			15	33
07545W	4311N	5769-14025	00000/0000	1-10059/0064	05/27/77	10	4666	47.4	106.5	GGG			16	30
07545W	3855N	5768-13582	00000/0000	1-10059/0161	05/26/77	10	4652	47.5	101.2	GGG			15	33
07545W	3850N	5822-13530	00000/0000	1-10060/0814	07/19/77	0	5405	44.5	98.7	GGG			15	33
07556W	4558N	5680-14155	00000/0000	1-10056/0085	02/27/77	100	3425	22.5	130.7	GGG			17	28
07557W	4601N	5503-14312	00000/0000	1-10053/0180	09/03/76	30	0957	39.5	128.0	GGGG			17	28
07558W	3309N	5536-14151	00000/0000	1-10054/0235	10/06/76	20	1417	36.6	128.5	GGGG			14	37
07601W	4603N	5467-14341	00000/0000	1-10052/0160	07/29/76	50	0455	47.9	117.5	GGGG			17	28
07601W	4600N	5788-14055	00000/0000	1-10059/0564	06/15/77	0	4931	47.7	106.8	GGG			17	28
07603W	4606N	5752-14092	00000/0000	1-10058/0186	05/10/77	40	4429	44.8	114.5	GGG			17	28
07603W	4148N	5520-14252	00000/0000	1-10059/0521	09/20/76	80	1194	36.8	129.9	GGGG			16	31
07603W	3726N	5660-14083	00000/0000	1-10055/0208	02/07/77	10	3146	21.1	130.5	GGGG			15	34
07603W	3313N	5518-14163	00000/0000	1-10053/0475	09/18/76	60	1166	40.9	121.3	FGGG			14	37
07603W	3312N	5464-14210	00000/0000	1-10052/0118	07/26/76	20	0413	49.8	99.5	GGGG			14	37
07604W	3313N	5749-13560	00000/0000	1-10059/0047	05/07/77	50	4387	45.6	100.0	GGG			14	37
07604W	3309N	5803-13505	00000/0000	1-10060/0398	06/30/77	10	5140	45.9	89.9	GGG			14	37
07605W	3308N	5821-13490	00000/0000	1-10060/0829	07/18/77	20	5391	44.1	92.1	GGG			14	37
07606W	4142N	5679-14112	00000/0000	1-10056/0055	02/26/77	10	3411	24.2	128.3	GGGG			16	31
07607W	4605N	5770-14074	00000/0000	1-10059/0078	05/28/77	90	4680	47.2	110.1	GGG			17	28
07607W	4148N	5502-14265	00000/0000	1-10053/0128	09/02/76	90	0943	41.5	123.4	GGGG			16	31
07607W	4142N	5661-14130	00000/0000	1-10056/0002	02/08/77	10	3160	19.1	132.3	GGGG			16	31
07607W	3730N	5501-14223	00000/0000	1-10053/0117	09/01/76	10	0929	43.2	118.5	GGGG		H	15	34
07607W	3728N	5519-14210	00000/0000	1-10053/0501	09/19/76	10	1180	39.0	125.7	GG		H	15	34
07607W	3726N	5678-14070	00000/0000	1-10056/0046	02/25/77	0	3397	25.8	126.0	GGGG			15	34
07610W	3730N	5465-14253	00000/0000	1-10052/0158	07/27/76	20	0427	49.7	105.5	GG		H	15	34
07611W	4147N	5751-14045	00000/0000	1-10058/0086	05/09/77	90	4415	45.4	109.5	GGG			16	31
07611W	3731N	5750-14003	00000/0000	1-10058/0104	05/08/77	10	4401	45.6	104.7	GGF			15	34
07612W	4142N	5823-13575	00000/0000	1-10061/0004	07/20/77	90	5419	44.4	102.3	GGG			16	31
07612W	3729N	5768-13585	00000/0000	1-10059/0162	05/26/77	60	4652	47.5	99.4	GGG			15	34
07612W	3725N	5822-13532	00000/0000	1-10060/0815	07/19/77	0	5405	44.4	97.1	GGG			15	34
07613W	4857N	5486-14373	00000/0000	1-10052/0538	08/17/76	30	0720	42.8	126.0	FFGG			18	26
07613W	4142N	5787-14013	00000/0000	1-10059/0542	06/14/77	90	4917	47.8	101.3	GGG			16	31
07613W	4142N	5805-13594	00000/0000	1-10060/0338	07/02/77	10	5168	46.6	100.4	GGG			16	31

KEYS: CLAUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0133

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS							123	45678			
07615W	4146N	5749-14031	00000/0000	1-10059/0065	05/27/77	10	4666	47.5	104.6	GGG			16	31
07618W	4856N	5753-14140	00000/0000	1-10058/0171	05/11/77	10	4443	44.4	117.7	GGG			18	26
07621W	4848N	5789-14104	00000/0000	1-10059/0658	06/16/77	80	4945	47.4	110.6	GGG			18	26
07623W	3143N	5536-14153	00000/0000	1-10054/0236	10/06/76	10	1417	37.3	127.3	GGGG			14	38
07628W	3147N	5464-14213	00000/0000	1-10052/0119	07/26/76	30	0413	49.9	97.6	GGGG			14	38
07628W	3147N	5518-14170	00000/0000	1-10053/0476	09/18/76	40	1166	41.4	120.0	FGGG			14	38
07629W	4433N	5680-14161	00000/0000	1-10056/0086	02/27/77	90	3425	23.2	129.8	GGGG			17	29
07630W	3143N	5821-13493	00000/0000	1-10060/0830	07/18/77	20	5391	43.8	90.5	GGG			14	38
07631W	4436N	5503-14314	00000/0000	1-10053/0181	09/03/76	10	0957	40.1	126.6	GGGG			17	29
07631W	3600N	5660-14090	00000/0000	1-10055/0209	02/07/77	10	3146	21.8	129.7	GGGG			15	35
07633W	4438N	5467-14344	00000/0000	1-10052/0161	07/29/76	90	0455	48.2	115.6	GGGG			17	29
07634W	4023N	5520-14255	00000/0000	1-10053/0522	09/20/76	30	1194	37.4	128.6	GGGG			16	32
07634W	3605N	5501-14225	00000/0000	1-10053/0118	09/01/76	10	0929	43.6	117.0	GGGG		H	15	35
07634W	3602N	5519-14212	00000/0000	1-10053/0496	09/19/76	10	1180	39.6	124.4	GGGF			15	35
07634W	3600N	5678-14072	00000/0000	1-10056/0047	02/25/77	0	3397	26.4	125.2	GGGG			15	35
07635W	4434N	5788-14062	00000/0000	1-10059/0565	06/15/77	0	4931	47.2	104.9	GGG			17	29
07636W	4441N	5752-14094	00000/0000	1-10058/0187	05/10/77	10	4429	45.1	112.7	GGG			17	29
07636W	4431N	5824-14023	00000/0000	1-10060/0775	07/21/77	90	5433	44.2	105.8	GGG			17	29
07636W	4016N	5661-14132	00000/0000	1-10056/0003	02/08/77	10	3160	19.0	131.6	GGGG			16	32
07636W	4016N	5679-14115	00000/0000	1-10056/0056	02/26/77	0	3411	24.8	127.5	GGGG			16	32
07637W	4022N	5502-14272	00000/0000	1-10053/0129	09/02/76	90	0943	42.0	121.9	GGGG			16	32
07637W	3605N	5465-14255	00000/0000	1-10052/0155	07/27/76	40	0427	49.8	103.6	GGGG			15	35
07638W	3604N	5750-14005	00000/0000	1-10058/0105	05/08/77	30	4401	45.7	103.0	GGG			15	35
07639W	3603N	5768-13591	00000/0000	1-10059/0163	05/26/77	90	4652	47.4	97.6	GGG			15	35
07639W	3559N	5822-13535	00000/0000	1-10060/0816	07/19/77	10	5405	44.3	95.5	GGG			15	35
07640W	4440N	5770-14080	00000/0000	1-10059/0079	05/28/77	70	4680	47.4	108.2	GGG			17	29
07641W	4021N	5751-14052	00000/0000	1-10058/0087	05/09/77	80	4415	45.6	107.8	GGG			16	32
07642W	4016N	5823-13581	00000/0000	1-10061/0005	07/20/77	80	5419	44.4	100.6	GGG			16	32
07643W	4018N	5805-14000	00000/0000	1-10060/0339	07/02/77	10	5168	46.6	98.6	GGG			16	32
07643W	4016N	5787-14015	00000/0000	1-10059/0543	06/14/77	90	4917	47.8	99.4	GGG			16	32
07644W	-4021N	5769-14034	00000/0000	1-10059/0066	05/27/77	0	4666	47.6	102.8	GGG			16	32
07647W	3018N	5536-14160	00000/0000	1-10054/0237	10/06/76	20	1417	37.9	126.2	GGGG			14	39
07649W	4732N	5486-14380	00000/0000	1-10052/0539	08/17/76	10	0720	43.3	124.3	FFGG			18	27
07651W	3019N	5518-14172	00000/0000	1-10053/0477	09/18/76	40	1166	41.0	118.6	FGGG			14	39
07652W	3022N	5464-14215	00000/0000	1-10052/0120	07/26/76	70	0413	49.8	95.7	GGGG			14	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
07653W	3018N	5821-13495	00000/0000	1-10060/0831	07/18/77	20	5391	43.6	89.0	GGG			14	39
07654W	4731N	5753-14143	00000/0000	1-10058/0172	05/11/77	10	4443	44.7	116.0	GGG			18	27
07655W	4723N	5825-14072	00000/0000	1-10061/0021	07/22/77	60	5447	43.7	109.5	GGG			18	27
07657W	4723N	5789-14110	00000/0000	1-10059/0659	06/16/77	90	4945	47.5	108.7	GGG			18	27
07658W	3433N	5660-14092	00000/0000	1-10055/0210	02/07/77	10	3146	22.5	129.0	GGGG			15	36
07700W	3435N	5678-14075	00000/0000	1-10056/0048	02/25/77	0	3397	27.0	124.3	GGGG			15	36
07701W	4308N	5680-14164	00000/0000	1-10056/0087	02/27/77	90	3425	23.9	128.9	GGGG			17	30
07701W	3436N	5519-14215	00000/0000	1-10053/0497	09/19/76	10	1180	40.1	123.1	GGFG			15	36
07703W	4311N	5503-14321	00000/0000	1-10053/0182	09/03/76	10	0957	40.7	125.2	GGGG			17	30
07703W	3857N	5520-14261	00000/0000	1-10053/0523	09/20/76	10	1194	38.2	127.4	GGGG			16	33
07704W	3851N	5679-14121	00000/0000	1-10056/0057	02/26/77	10	3411	25.5	126.6	GGGG			16	33
07704W	3439N	5465-14262	00000/0000	1-10052/0156	07/27/76	80	0427	49.8	101.6	GGGG			15	36
07704W	4313N	5467-14350	00000/0000	1-10052/0162	07/29/76	90	0455	48.6	113.7	GGGG			17	30
07705W	3856N	5502-14274	00000/0000	1-10053/0130	09/02/76	90	0943	42.5	120.4	GGGG			16	33
07705W	3851N	5661-14135	00000/0000	1-10056/0004	02/08/77	0	3160	20.6	130.9	GGGG			16	33
07705W	3438N	5750-14012	00000/0000	1-10058/0106	05/08/77	20	4401	45.8	101.3	GGG			15	36
07705W	3437N	5768-13594	00000/0000	1-10059/0164	05/26/77	50	4652	47.9	95.8	GGG			15	36
07705W	3434N	5822-13541	00000/0000	1-10060/0817	07/19/77	10	5405	44.1	93.9	GGG			15	36
07707W	4309N	5788-14064	00000/0000	1-10059/0566	06/15/77	20	4931	47.8	103.0	GGG			17	30
07708W	4315N	5752-14101	00000/0000	1-10058/0188	05/10/77	40	4429	45.9	111.0	FGG			17	30
07708W	4306N	5824-14030	00000/0000	1-10060/0776	07/21/77	40	5433	44.2	104.1	GGG			17	30
07710W	3855N	5751-14054	00000/0000	1-10058/0088	05/09/77	40	4415	45.7	106.1	GGG			16	33
07711W	4315N	5770-14083	00000/0000	1-10059/0080	05/28/77	10	4680	47.5	106.3	GGG			17	30
07711W	3853N	5805-14003	00000/0000	1-10060/0340	07/02/77	10	5168	46.9	96.8	GGG			16	33
07711W	3850N	5823-13584	00000/0000	1-10061/0006	07/20/77	70	5419	44.9	98.9	GGG			16	33
07711W	2852N	5536-14162	00000/0000	1-10054/0238	10/06/76	30	1417	38.6	125.0	GGGG			14	40
07712W	3855N	5769-14040	00000/0000	1-10059/0067	05/27/77	10	4666	47.6	100.9	GGG			16	33
07712W	3851N	5787-14022	00000/0000	1-10059/0544	06/14/77	90	4917	47.7	97.6	GGG			16	33
07715W	2852N	5518-14175	00000/0000	1-10053/0478	09/18/76	80	1166	42.3	117.2	FGGG			14	40
07717W	2857N	5464-14222	00000/0000	1-10052/0121	07/26/76	40	0413	49.7	93.8	GGGG			14	40
07723W	4606N	5486-14382	00000/0000	1-10052/0540	08/17/76	10	0720	43.8	122.7	FGGG			18	28
07724W	3307N	5660-14095	00000/0000	1-10055/0211	02/07/77	10	3146	23.1	128.3	GGGF			15	37
07725W	3314N	5483-14251	00000/0000	1-10052/0508	08/14/76	70	0678	47.3	106.2	GGGG			15	37
07725W	3310N	5678-14081	00000/0000	1-10056/0049	02/25/77	0	3397	27.5	123.4	GGGG			15	37
07727W	3310N	5519-14221	00000/0000	1-10053/0498	09/19/76	20	1180	40.7	121.8	GGGG			15	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 ECT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0135

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
07728W	4605N	5753-14145	00000/0000	1-10058/0173	05/11/77	0	4443	45.0	114.2	GGG			18	28
07729W	4558N	5825-14075	00000/0000	1-10061/0022	07/22/77	30	5447	43.9	107.8	GGG			18	28
07730W	3312N	5768-14000	00000/0000	1-10059/0165	05/26/77	50	4652	47.2	94.1	GGG			15	37
07731W	4558N	5789-14113	00000/0000	1-10059/0660	06/16/77	80	4945	47.6	106.7	GGG			18	28
07731W	4557N	5807-14094	00000/0000	1-10060/0434	07/04/77	90	5196	46.4	105.9	GGG			18	28
07731W	3313N	5750-14014	00000/0000	1-10058/0107	05/08/77	60	4401	45.7	99.6	GGG			15	37
07731W	3309N	5822-13544	00000/0000	1-10060/0818	07/19/77	20	5405	44.0	92.3	GGG			15	37
07732W	4142N	5680-14170	00000/0000	1-10056/0088	02/27/77	70	3425	24.8	128.1	GGGG			17	31
07732W	3731N	5502-14281	00000/0000	1-10053/0131	09/02/76	100	0943	43.0	118.9	GGGG			16	34
07732W	3730N	5520-14264	00000/0000	1-10053/0524	09/20/76	10	1194	38.7	126.1	GGGG			16	34
07732W	3726N	5679-14124	00000/0000	1-10056/0058	02/26/77	30	3411	26.1	125.7	GGGG			16	34
07733W	3725N	5661-14141	00000/0000	1-10056/0005	02/08/77	0	3160	21.3	130.2	GGGG			16	34
07734W	4146N	5503-14323	00000/0000	1-10053/0183	09/03/76	10	0957	41.3	123.7	GGGG			17	31
07736W	2726N	5536-14165	00000/0000	1-10054/0239	10/06/76	30	1417	39.2	123.8	GGGG			14	41
07738W	4149N	5752-14103	00000/0000	1-10058/0189	05/10/77	30	4429	45.6	109.3	GGG			17	31
07738W	3729N	5751-14061	00000/0000	1-10058/0089	05/09/77	10	4415	45.8	104.3	GGG			16	34
07738W	2725N	5518-14181	00000/0000	1-10053/0479	09/18/76	70	1166	42.7	115.8	FGGG			14	41
07739W	4143N	5788-14071	00000/0000	1-10059/0567	06/15/77	80	4931	47.8	101.2	GGG			17	31
07739W	4141N	5824-14032	00000/0000	1-10060/0777	07/21/77	10	5433	44.3	102.4	FGG			17	31
07739W	3729N	5769-14043	00000/0000	1-10059/0068	05/27/77	10	4666	47.5	99.1	GGG			16	34
07739W	3727N	5805-14005	00000/0000	1-10060/0341	07/02/77	10	5168	46.4	95.1	GGG			16	34
07739W	3725N	5823-13590	00000/0000	1-10061/0007	07/20/77	80	5419	44.3	97.3	GGG			16	34
07740W	4848N	5541-14385	00000/0000	1-10054/0309	10/11/76	80	1487	26.4	141.2	FGGG			19	26
07740W	3727N	5787-14024	00000/0000	1-10059/0545	06/14/77	80	4917	47.6	95.8	GGG			16	34
07741W	4149N	5770-14085	00000/0000	1-10059/0081	05/28/77	0	4680	47.6	104.4	GGG			17	31
07741W	2732N	5464-14224	00000/0000	1-10052/0122	07/26/76	30	0413	49.5	92.0	GGGG			14	41
07743W	4855N	5754-14194	00000/0000	1-10058/0150	05/12/77	60	4457	44.5	117.5	GGG			19	26
07746W	4850N	5826-14123	00000/0000	1-10061/0190	07/23/77	90	5461	43.4	111.4	GGG			19	26
07747W	4847N	5808-14143	00000/0000	1-10060/0249	07/05/77	20	5210	46.0	109.7	GGG			19	26
07749W	3141N	5660-14101	00000/0000	1-10055/0212	02/07/77	10	3146	23.8	127.6	GGGG			15	38
07750W	3149N	5483-14254	00000/0000	1-10052/0509	08/14/76	40	0678	47.5	104.4	QFGG			15	38
07751W	3144N	5678-14084	00000/0000	1-10056/0050	02/25/77	0	3397	28.1	122.5	GFGG			15	38
07755W	3147N	5768-14003	00000/0000	1-10059/0166	05/26/77	90	4652	47.0	92.4	GGG			15	38
07756W	4440N	5486-14385	00000/0000	1-10052/0541	08/17/76	10	0720	44.3	121.0	FGGG			18	29
07756W	4432N	5681-14215	00000/0000	1-10056/0123	02/28/77	70	3439	23.5	129.6	GGGG			18	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

135

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN REEL	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS		%				123 45678				
07756W	3147N	5750-14021	00000/0000	1-10058/0108	05/08/77	30	4401	45.7	97.9	GGG			15	38
07756W	3144N	5822-13550	00000/0000	1-10060/0819	07/19/77	20	5405	43.7	90.7	GGG			18	38
07757W	4436N	5504-14372	00000/0000	1-10053/0186	09/04/76	60	0971	39.8	126.9	GGGG			18	29
07759W	3606N	5502-14283	00000/0000	1-10053/0132	09/02/76	90	0943	43.4	117.4	GGGG			16	35
07759W	3601N	5679-14130	00000/0000	1-10056/0059	02/26/77	30	3411	26.7	124.9	GGGG			16	35
07800W	3600N	5661-14144	00000/0000	1-10056/0006	02/08/77	0	3160	22.0	129.5	GGGG			16	35
07801W	4439N	5753-14152	00000/0000	1-10058/0174	05/11/77	0	4443	45.3	112.4	GGG			18	29
07801W	4017N	5680-14173	00000/0000	1-10056/0089	02/27/77	90	3425	25.1	127.2	GGGG			17	32
07801W	3603N	5520-14270	00000/0000	1-10053/0525	09/20/76	10	1194	39.3	124.8	GGGG			16	35
07802W	4433N	5825-14081	00000/0000	1-10061/0023	07/22/77	10	5447	44.0	106.0	GGG			18	29
07802W	4017N	5662-14190	00000/0000	1-10055/0217	02/09/77	80	3174	20.1	131.4	GGG			17	32
07804W	4433N	5789-14115	00000/0000	1-10059/0661	06/16/77	90	4945	47.7	104.8	GGG			18	29
07804W	4432N	5807-14100	00000/0000	1-10060/0435	07/04/77	40	5196	46.4	104.1	GGG			18	29
07804W	4021N	5503-14330	00000/0000	1-10053/0184	09/03/76	40	0957	41.8	122.2	GGGG			17	32
07805W	3603N	5751-14063	00000/0000	1-10058/0090	05/09/77	0	4415	45.9	102.6	GGG			16	35
07805W	3603N	5769-14045	00000/0000	1-10059/0069	05/27/77	30	4666	47.5	97.3	GGG			16	35
07806W	3559N	5823-13593	00000/0000	1-10061/0008	07/20/77	20	5419	44.2	95.7	GGG			16	35
07807W	4023N	5752-14110	00000/0000	1-10058/0190	05/10/77	10	4429	45.7	107.5	GGG			17	32
07807W	3604N	5787-14031	00000/0000	1-10059/0546	06/14/77	70	4917	47.4	94.0	GGG			16	35
07809W	4018N	5788-14073	00000/0000	1-10059/0568	06/15/77	90	4931	47.8	99.3	GGG			17	32
07809W	4016N	5824-14035	00000/0000	1-10060/0778	07/21/77	60	5433	44.3	100.8	GGG			17	32
07810W	4023N	5770-14092	00000/0000	1-10059/0082	05/28/77	0	4680	47.6	102.6	GGG			17	32
07814W	3022N	5483-14260	00000/0000	1-10052/0510	08/14/76	30	0678	47.5	102.7	GGGG			15	39
07814W	3015N	5660-14104	00000/0000	1-10055/0213	02/07/77	50	3146	24.5	126.8	GGGG			15	39
07815W	3018N	5678-14090	00000/0000	1-10056/0051	02/25/77	0	3397	28.6	121.7	GGGG			15	39
07816W	4723N	5541-14391	00000/0000	1-10054/0310	10/11/76	70	1487	27.8	140.2	GGGG			19	27
07818W	4728N	5718-14233	00000/0000	1-10057/0001	04/06/77	50	3955	35.2	124.2	GG			19	27
07819W	3021N	5768-14005	00000/0000	1-10059/0167	05/26/77	70	4652	46.8	90.7	GGG			15	39
07820W	4731N	5754-14201	00000/0000	1-10058/0151	05/12/77	70	4457	44.9	115.8	GGG			19	27
07820W	3021N	5750-14023	00000/0000	1-10058/0109	05/08/77	20	4401	45.6	96.3	GGG			15	39
07821W	3018N	5786-13591	00000/0000	1-10059/0586	06/13/77	70	4903	46.5	87.2	GGG			15	39
07821W	3018N	5822-13553	00000/0000	1-10060/0820	07/19/77	10	5405	43.5	89.2	GGG			15	39
07822W	4724N	5826-14130	00000/0000	1-10061/0191	07/23/77	90	5461	43.6	109.6	GGG			19	27
07823W	4721N	5808-14145	00000/0000	1-10060/0250	07/05/77	10	5210	46.2	107.8	GGG			19	27
07825W	3441N	5502-14290	00000/0000	1-10053/0133	09/02/76	70	0943	43.8	115.9	GGGG			16	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0137

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL	MSS	MSS	ORBIT	FRAME	
										RBV	MSS	DATA	IMAGE	PATH	ROW
										123	45678	MODE	NUM.	NUM.	
07826W	3435N	5679-14133	00000/0000	1-10056/0060	02/26/77	0	3411	27.2	124.0	GGGG				16	36
07826W	3434N	5661-14150	00000/0000	1-10056/0007	02/08/77	0	3160	22.7	128.8	GGGG				16	36
07828W	4314N	5486-14391	00000/0000	1-10052/0542	08/17/76	10	0720	44.7	119.3	FGGG				18	30
07828W	4307N	5681-14222	00000/0000	1-10056/0124	02/28/77	70	3439	24.2	128.7	GGGG				18	30
07829W	4311N	5504-14374	00000/0000	1-10053/0187	09/04/76	70	0971	40.4	125.5	GGGG				18	30
07829W	3438N	5520-14273	00000/0000	1-10053/0526	09/20/76	10	1194	39.9	123.5	GGFG				16	36
07830W	3852N	5680-14175	00000/0000	1-10056/0090	02/27/77	60	3425	25.8	126.4	GGGG				17	33
07830W	3438N	5769-14062	00000/0000	1-10059/0070	05/27/77	40	4666	47.4	95.5	GGG				16	36
07831W	3851N	5662-14193	00000/0000	1-10055/0218	02/09/77	30	3174	20.8	130.7	FGGG				17	33
07831W	3438N	5751-14070	00000/0000	1-10058/0091	05/09/77	10	4415	45.9	100.9	GGG				16	36
07831W	3434N	5823-13595	00000/0000	1-10061/0009	07/20/77	10	5419	44.0	94.1	GGG				16	36
07832W	3855N	5503-14332	00000/0000	1-10053/0185	09/03/76	90	0957	42.3	120.8	GGGG				17	33
07832W	3437N	5787-14033	00000/0000	1-10059/0547	06/14/77	90	4917	47.2	92.2	GGG				16	36
07833W	4312N	5753-14154	00000/0000	1-10058/0175	05/11/77	10	4443	45.5	110.7	GGF				18	30
07833W	4309N	5825-14084	00000/0000	1-10061/0024	07/22/77	10	5447	44.1	104.4	GGG				18	30
07833W	4308N	5789-14122	00000/0000	1-10059/0662	06/16/77	30	4945	47.8	102.9	GGG				18	30
07835W	4307N	5807-14103	00000/0000	1-10060/0436	07/04/77	50	5196	46.5	102.3	GGG				18	30
07836W	3857N	5752-14112	00000/0000	1-10058/0191	05/10/77	10	4429	45.9	105.8	GGG				17	33
07837W	3850N	5824-14041	00000/0000	1-10060/0779	07/21/77	50	5433	44.2	99.1	GGG				17	33
07838W	3857N	5770-14094	00000/0000	1-10059/0083	05/28/77	10	4680	47.6	100.7	GGG				17	33
07838W	2850N	5660-14110	00000/0000	1-10055/0214	02/07/77	40	3146	25.1	126.1	GGGG				15	40
07839W	2852N	5678-14093	00000/0000	1-10056/0052	02/25/77	0	3397	29.2	120.8	GGGF				15	40
07843W	2855N	5768-14012	00000/0000	1-10059/0168	05/26/77	40	4652	46.5	89.0	GGG				15	40
07844W	2854N	5750-14030	00000/0000	1-10058/0110	05/08/77	40	4401	45.5	94.7	GGG				15	40
07846W	2853N	5786-13594	00000/0000	1-10059/0587	06/13/77	60	4903	46.1	85.6	GGG				15	40
07846W	2852N	5822-13555	00000/0000	1-10060/0821	07/19/77	10	5405	43.2	87.7	GGG				15	40
07851W	4559N	5541-14394	00000/0000	1-10054/0311	10/11/76	10	1487	28.1	139.3	GGGG				19	28
07852W	4603N	5718-14235	00000/0000	1-10057/0002	04/06/77	50	3955	35.7	122.9	GGG				19	28
07852W	3314N	5502-14292	00000/0000	1-10053/0134	09/02/76	40	0943	44.1	114.3	FFFF				16	37
07852W	3309N	5679-14135	00000/0000	1-10056/0061	02/26/77	0	3411	27.8	123.1	GGFF				16	37
07852W	3308N	5661-14153	00000/0000	1-10056/0008	02/08/77	10	3160	23.4	128.0	FGGG				16	37
07855W	4606N	5754-14203	00000/0000	1-10058/0152	05/12/77	70	4457	45.2	114.0	GGG				19	28
07855W	4559N	5826-14132	00000/0000	1-10061/0192	07/23/77	40	5461	43.7	107.9	GGG				19	28
07855W	3313N	5520-14275	00000/0000	1-10053/0527	09/20/76	10	1194	40.4	122.2	GGGG				16	37
07856W	3312N	5769-14054	00000/0000	1-10059/0071	05/27/77	30	4666	47.2	93.8	GGG				16	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
								RBV	MSS				
LONG	LAT	RBV						123	45678				
07856W	3908N	5823-14002	00000/0000	1-10061/0010	07/20/77	10	5419	43.8	92.5	GGG		16	37
07857W	4556N	5808-14152	00000/0000	1-10060/0251	07/05/77	20	5210	46.3	106.0	FGG		19	28
07857W	3912N	5751-14072	00000/0000	1-10058/0092	05/09/77	20	4415	45.0	99.2	GGF		16	37
07858W	4149N	5486-14394	00000/0000	1-10052/0543	08/17/76	0	0720	45.2	117.7	FGGG		18	31
07858W	3726N	5680-14182	00000/0000	1-10056/0091	02/27/77	70	3425	26.4	125.5	GGGG		17	34
07858W	3309N	5787-14040	00000/0000	1-10059/0548	06/14/77	70	4917	47.0	90.5	FGF		16	37
07859W	4142N	5681-14224	00000/0000	1-10056/0125	02/28/77	90	3439	24.8	127.8	QFGG		18	31
07859W	3725N	5662-14195	00000/0000	1-10055/0219	02/09/77	10	3174	21.5	130.0	GGGG		17	34
07900W	4146N	5504-14381	00000/0000	1-10053/0188	09/04/76	70	0971	41.0	124.1	GGFG		18	31
07902W	2724N	5660-14113	00000/0000	1-10055/0215	02/07/77	20	3146	25.8	125.3	GGGG		15	41
07903W	3731N	5752-14115	00000/0000	1-10058/0192	05/10/77	10	4429	45.0	104.1	GGG		17	34
07903W	2726N	5678-14095	00000/0000	1-10056/0053	02/25/77	0	3397	29.7	119.9	GGGG		15	41
07904W	4146N	5753-14161	00000/0000	1-10058/0176	05/11/77	10	4443	45.7	108.9	GGG		18	31
07904W	4144N	5825-14090	00000/0000	1-10061/0025	07/22/77	10	5447	44.1	102.7	GGG		18	31
07905W	4853N	5488-14485	00000/0000	1-10052/0622	08/19/76	90	0748	42.3	126.5	GGGG		20	26
07905W	4853N	5506-14472	00000/0000	1-10053/0240	09/06/76	10	0999	37.3	131.8	GGGG		20	26
07905W	4146N	5771-14143	00000/0000	1-10059/0094	05/29/77	20	4694	47.6	104.2	GGG		18	31
07905W	3725N	5824-14044	00000/0000	1-10060/0780	07/21/77	10	5433	44.2	97.5	GGG		17	34
07905W	3723N	5806-14063	00000/0000	1-10060/0468	07/03/77	10	5182	46.3	95.1	GGG		17	34
07906W	4142N	5789-14124	00000/0000	1-10059/0663	06/16/77	10	4945	47.8	101.0	GGG		18	31
07906W	4141N	5807-14105	00000/0000	1-10060/0437	07/04/77	90	5196	46.4	100.5	GGG		18	31
07906W	3731N	5770-14101	00000/0000	1-10059/0084	05/28/77	10	4680	47.6	98.9	GGG		17	34
07906W	2729N	5768-14014	00000/0000	1-10059/0169	05/26/77	30	4652	46.2	87.4	GGG		15	41
07907W	2728N	5750-14032	00000/0000	1-10058/0111	05/08/77	40	4401	45.3	93.0	GGG		15	41
07908W	4857N	5755-14252	00000/0000	1-10058/0212	05/13/77	10	4471	44.7	117.3	GGG		20	26
07908W	4856N	5470-14502	00000/0000	1-10052/0227	08/01/76	80	0497	46.5	122.0	GGGG		20	26
07908W	2726N	5822-13562	00000/0000	1-10060/0822	07/19/77	20	5405	42.8	86.3	GGG		15	41
07909W	2728N	5786-14000	00000/0000	1-10059/0588	06/13/77	20	4903	45.7	84.0	GGG		15	41
07913W	4855N	5773-14234	00000/0000	1-10059/0313	05/31/77	10	4722	47.0	113.2	FGG		20	26
07917W	3143N	5679-14142	00000/0000	1-10056/0062	02/26/77	0	3411	28.4	122.2	GGGF		16	38
07917W	3142N	5661-14155	00000/0000	1-10056/0009	02/08/77	30	3160	24.0	127.3	GGGG		16	38
07920W	3148N	5520-14282	00000/0000	1-10053/0528	09/20/76	10	1194	41.0	120.9	GGGG		16	38
07921W	3143N	5823-14004	00000/0000	1-10061/0011	07/20/77	20	5419	43.6	90.9	GGG		16	38
07922W	3147N	5769-14061	00000/0000	1-10059/0072	05/27/77	70	4666	47.0	92.1	GGG		16	38
07922W	3145N	5751-14075	00000/0000	1-10058/0093	05/09/77	70	4415	45.8	97.6	GGF		16	38

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0139

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
07923W	3142N	5787-14042	00000/0000	1-10059/0549	06/14/77	40	4917	46.7	88.8		FGF		16	38
07924W	4437N	5487-14443	00000/0000	1-10052/0580	08/18/76	0	0734	44.1	121.3		GGGG		19	29
07924W	4434N	5541-14400	00000/0000	1-10054/0312	10/11/76	0	1487	29.0	138.3		GGGG		19	29
07925W	4437N	5718-14242	00000/0000	1-10051/0003	04/06/77	50	3955	36.2	121.6		G G		19	29
07925W	3600N	5662-14202	00000/0000	1-10055/0220	02/09/77	0	3174	22.2	129.2		GGFG		17	35
07925W	3600N	5680-14184	00000/0000	1-10056/0092	02/27/77	50	3425	27.0	124.6		GGGG		17	35
07926W	2600N	5678-14102	00000/0000	1-10056/0054	02/25/77	10	3397	30.1	118.9		FGGG		15	42
07926W	2559N	5660-14115	00000/0000	1-10055/0216	02/07/77	30	3146	26.4	124.6		GFGG		15	42
07927W	4024N	5486-14400	00000/0000	1-10052/0544	08/17/76	10	0720	45.5	116.0		FQQG		18	32
07928W	4441N	5754-14210	00000/0000	1-10058/0153	05/12/77	20	4457	45.5	112.2		GGG		19	29
07928W	4434N	5826-14135	00000/0000	1-10061/0193	07/23/77	10	5461	43.8	106.2		GGG		19	29
07929W	4016N	5681-14231	00000/0000	1-10056/0126	02/28/77	80	3439	25.5	127.0		GGGG		18	32
07929W	2602N	5766-14021	00000/0000	1-10059/0170	05/26/77	30	4652	45.9	85.8		GGG		15	42
07930W	4431N	5808-14154	00000/0000	1-10060/0252	07/05/77	70	5210	46.3	104.1		GGG		19	29
07930W	4020N	5504-14383	00000/0000	1-10053/0189	09/04/76	50	0971	41.5	122.6		GGGG		18	32
07930W	4019N	5522-14371	00000/0000	1-10055/0559	09/22/76	40	1222	36.8	129.3		FQQG		18	32
07930W	3605N	5752-14121	00000/0000	1-10058/0193	05/10/77	0	4429	46.0	102.3		GGG		17	35
07930W	2601N	5750-14035	00000/0000	1-10058/0112	05/08/77	10	4401	45.2	91.5		GGG		15	42
07931W	3559N	5824-14050	00000/0000	1-10060/0781	07/21/77	0	5433	44.0	95.9		GGG		17	35
07931W	2600N	5822-14564	00000/0000	1-10060/0823	07/19/77	30	5405	42.5	84.8		GGG		15	42
07932W	3559N	5806-14070	00000/0000	1-10060/0469	07/03/77	10	5182	46.1	93.4		GGG		17	35
07932W	2602N	5786-14003	00000/0000	1-10059/0589	06/13/77	10	4903	45.3	82.5		GGG		15	42
07933W	4021N	5753-14163	00000/0000	1-10058/0177	05/11/77	10	4443	45.8	107.2		GGF		18	32
07933W	4019N	5825-14093	00000/0000	1-10061/0026	07/22/77	10	5447	44.1	101.0		GGG		18	32
07934W	3605N	5770-14103	00000/0000	1-10059/0085	05/28/77	20	4680	47.5	97.1		GGG		17	35
07935W	4020N	5771-14145	00000/0000	1-10059/0095	05/29/77	10	4694	47.7	102.3		GGG		18	32
07935W	4016N	5789-14131	00000/0000	1-10059/0667	06/16/77	10	4945	47.7	99.2		GG		18	32
07935W	4016N	5807-14112	00000/0000	1-10060/0438	07/04/77	80	5196	46.4	98.7		GGG		18	32
07940W	4728N	5506-14475	00000/0000	1-10053/0241	09/06/76	10	0999	38.0	130.4		GGGG		20	27
07941W	4728N	5488-14492	00000/0000	1-10052/0623	08/19/76	40	0748	42.8	124.8		GGGG		20	27
07941W	3017N	5679-14144	00000/0000	1-10056/0063	02/26/77	10	3411	28.9	121.3		GFGG		16	39
07942W	3016N	5661-14162	00000/0000	1-10056/0010	02/08/77	60	3160	24.7	126.6		GGGG		16	39
07944W	4731N	5470-14505	00000/0000	1-10052/0228	08/01/76	10	0497	46.8	120.1		GGGG		20	27
07944W	3022N	5520-14284	00000/0000	1-10053/0529	09/20/76	10	1194	41.5	119.5		GGGG		16	39
07945W	4732N	5755-14255	00000/0000	1-10058/0213	05/13/77	70	4471	45.1	115.5		GGG		20	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	PRINCIPAL POINT OF IMAGE LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
07946W	3018N	5751-14081	00000/0000	1-10058/0094	05/09/77	80	4415	45.7	95.9	GGG			16	39
07946W	3017N	5823-14011	00000/0000	1-10061/0012	07/20/77	30	5419	43.4	89.4	GGG			16	39
07947W	3021N	5769-14063	00000/0000	1-10059/0073	05/27/77	40	4666	46.8	90.4	GGG			16	39
07947W	3015N	5787-14045	00000/0000	1-10059/0550	06/14/77	30	4917	46.4	87.1	GGG			16	39
07950W	4730N	5773-14241	00000/0000	1-10059/0314	05/31/77	20	4722	47.2	111.3	GGG			20	27
07951W	3435N	5662-14204	00000/0000	1-10055/0221	02/09/77	0	3174	22.8	128.5	GGGG			17	36
07952W	3441N	5485-14360	00000/0000	1-10052/0526	08/16/76	60	0706	46.9	108.7	FGGG			17	36
07952W	3434N	5680-14191	00000/0000	1-10056/0093	02/27/77	40	3425	27.5	123.7	GGGG			17	36
07953W	2436N	5768-14023	00000/0000	1-10059/0171	05/26/77	50	4652	45.5	84.2	GGG			15	43
07953W	2435N	5750-14041	00000/0000	1-10058/0113	05/08/77	30	4401	44.8	89.9	GGG			15	43
07953W	2434N	5822-14571	00000/0000	1-10060/0824	07/19/77	60	5405	42.1	83.4	GGG			15	43
07954W	2435N	5786-14005	00000/0000	1-10059/0590	06/13/77	10	4903	44.9	81.0	FFF			15	43
07955W	3900N	5486-14403	00000/0000	1-10052/0545	08/17/76	10	0720	45.9	114.3	FGGG			18	33
07956W	4312N	5505-14432	00000/0000	1-10053/0230	09/05/76	80	0985	40.2	125.9	GGGG			19	30
07956W	4311N	5487-14445	00000/0000	1-10052/0581	08/18/76	0	0734	44.5	119.6	GGGG			19	30
07956W	3434N	5824-14053	00000/0000	1-10060/0782	07/21/77	10	5433	43.9	94.3	GGG			17	36
07957W	4312N	5718-14244	00000/0000	1-10057/0004	04/06/77	80	3955	36.7	120.2	GGG			19	30
07957W	4309N	5541-14403	00000/0000	1-10054/0313	10/11/76	10	1487	29.8	137.3	GGGG			19	30
07957W	3439N	5752-14124	00000/0000	1-10058/0194	05/10/77	0	4429	46.0	100.6	GGG			17	36
07957W	3434N	5806-14072	00000/0000	1-10060/0470	07/03/77	20	5182	45.9	91.7	GGG			17	36
07958W	3854N	5522-14373	00000/0000	1-10053/0560	09/22/76	20	1222	37.6	128.1	GGGG			18	33
07958W	3851N	5681-14233	00000/0000	1-10056/0127	02/28/77	70	3439	26.2	126.1	GGGG			18	33
07959W	4315N	5754-14212	00000/0000	1-10058/0154	05/12/77	30	4457	45.7	110.4	GGG			19	30
07959W	3855N	5504-14390	00000/0000	1-10053/0190	09/04/76	60	0971	42.0	121.2	GGGG			18	33
08000W	4308N	5826-14141	00000/0000	1-10061/0194	07/23/77	30	5461	43.8	104.5	GGG			19	30
08000W	3440N	5770-14110	00000/0000	1-10059/0086	05/28/77	40	4680	47.4	95.3	GGG			17	36
08002W	4306N	5808-14161	00000/0000	1-10060/0253	07/05/77	70	5210	46.4	102.3	GGG			19	30
08002W	3857N	5753-14170	00000/0000	1-10058/0178	05/11/77	10	4443	46.0	105.4	GGF			18	33
08002W	3853N	5825-14095	00000/0000	1-10061/0027	07/22/77	40	5447	44.1	99.4	GGG			18	33
08004W	3851N	5789-14133	00000/0000	1-10059/0664	06/16/77	30	4945	47.6	97.3	GGG			18	33
08004W	3851N	5807-14114	00000/0000	1-10060/0439	07/04/77	50	5196	46.8	96.9	GGG			18	33
08005W	3854N	5771-14152	00000/0000	1-10059/0096	05/29/77	10	4694	47.7	100.5	GGG			18	33
08005W	2851N	5679-14151	00000/0000	1-10056/0064	02/26/77	10	3411	29.4	120.4	GGGG			16	40
08006W	2850N	5661-14164	00000/0000	1-10056/0011	02/08/77	80	3160	25.3	125.8	GGGG			16	40
08008W	2855N	5520-14291	00000/0000	1-10053/0530	09/20/76	20	1194	41.9	118.1	GGGG			16	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0141

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS							123	45678			
08010W	2851N	5751-14084	00000/0000	1-10058/0095	05/09/77	60	4415	45.8	94.3		GGG		16	40
08010W	2850N	5823-14013	00000/0000	1-10061/0013	07/20/77	30	5419	43.1	87.9		GGG		16	40
08011W	2850N	5787-14051	00000/0000	1-10059/0551	06/14/77	10	4917	46.1	85.5		GGG		16	40
08012W	2855N	5769-14070	00000/0000	1-10059/0074	05/27/77	20	4666	46.8	88.7		GGG		16	40
08015W	4603N	5506-14481	00000/0000	1-10053/0242	09/06/76	10	0999	38.7	129.0		GGGG		20	28
08016W	4603N	5488-14494	00000/0000	1-10052/0624	08/19/76	50	0748	43.4	123.2		GGGF		20	28
08016W	3309N	5662-14211	00000/0000	1-10055/0222	02/09/77	10	3174	23.6	127.8		GGGG		17	37
08017W	3315N	5485-14363	00000/0000	1-10052/0527	08/16/76	20	0706	47.0	107.0		GGGG		17	37
08017W	3308N	5680-14193	00000/0000	1-10056/0094	02/27/77	60	3425	28.1	122.8		GGGG		17	37
08018W	4606N	5470-14511	00000/0000	1-10052/0229	08/01/76	10	0497	47.8	118.3		GGGG		20	28
08020W	4606N	5755-14261	00000/0000	1-10058/0214	05/13/77	60	4471	45.4	113.7		GGG		20	28
08020W	3308N	5824-14055	00000/0000	1-10060/0783	07/21/77	20	5433	43.7	92.7		GGG		17	37
08022W	3735N	5486-14405	00000/0000	1-10052/0546	08/17/76	20	0720	46.2	112.6		FGGG		18	34
08022W	3313N	5752-14130	00000/0000	1-10058/0195	05/10/77	0	4429	46.0	98.9		GGG		17	37
08022W	3309N	5806-14075	00000/0000	1-10060/0471	07/03/77	20	5182	45.6	90.1		GGF		17	37
08024W	4604N	5773-14243	00000/0000	1-10059/0315	05/31/77	10	4722	47.8	109.4		GGG		20	28
08024W	4144N	5664-14295	00000/0000	1-10055/0105	02/11/77	20	3202	19.9	131.7		GGGF		19	31
08025W	4144N	5523-14422	00000/0000	1-10053/0624	09/23/76	70	1236	35.9	130.9		FFGG		19	31
08025W	3728N	5522-14380	00000/0000	1-10053/0561	09/22/76	10	1222	38.2	126.8		FGGG		18	34
08025W	3313N	5770-14112	00000/0000	1-10059/0087	05/28/77	40	4680	47.2	93.6		GGG		17	37
08026W	4147N	5505-14435	00000/0000	1-10053/0231	09/05/76	90	0985	40.7	124.5		GGGG		19	31
08026W	3725N	5681-14240	00000/0000	1-10056/0128	02/28/77	40	3439	26.7	125.2		GGGG		18	34
08027W	4146N	5487-14452	00000/0000	1-10052/0582	08/18/76	10	0734	45.0	117.9		GFGG		19	31
08027W	3729N	5504-14392	00000/0000	1-10053/0191	09/04/76	50	0971	42.5	119.7		GGGG		18	34
08028W	4147N	5718-14251	00000/0000	1-10057/0005	04/06/77	80	3955	37.1	118.9		GGG		19	31
08028W	4144N	5541-14405	00000/0000	1-10054/0314	10/11/76	20	1487	30.7	136.4		GGGG		19	31
08029W	4149N	5754-14215	00000/0000	1-10058/0155	05/12/77	70	4457	45.9	108.7		GGG		19	31
08029W	2725N	5679-14153	00000/0000	1-10056/0065	02/26/77	10	3411	29.9	119.5		GGGG		16	41
08029W	2724N	5661-14171	00000/0000	1-10056/0012	02/08/77	80	3160	25.8	125.0		GGGG		16	41
08030W	4853N	5507-14530	00000/0000	1-10053/0265	09/07/76	10	1013	37.0	132.1		GGGG		21	26
08030W	4143N	5826-14144	00000/0000	1-10061/0195	07/23/77	20	5461	44.0	102.9		GGG		19	31
08030W	3732N	5753-14172	00000/0000	1-10058/0179	05/11/77	10	4443	46.1	103.7		GGF		18	34
08030W	3727N	5825-14102	00000/0000	1-10061/0028	07/22/77	90	5447	44.8	97.7		GGG		18	34
08031W	3725N	5807-14121	00000/0000	1-10060/0440	07/04/77	10	5196	46.2	95.2		GGG		18	34
08032W	4147N	5772-14201	00000/0000	1-10059/0099	05/30/77	20	4708	47.7	104.0		GGG		19	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINCR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0142

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
08032W	4141N	5808-14163	00000/0000	1-10060/0254	07/05/77	50	5210	46.3	100.5	GGG			19	31
08032W	3726N	5789-14140	00000/0000	1-10059/0665	06/16/77	50	4945	47.5	95.5	GGG			18	34
08032W	2729N	5520-14293	00000/0000	1-10053/0531	09/20/76	10	1194	42.4	116.7	GGGG			16	41
08033W	4855N	5471-14560	00000/0000	1-10052/0217	08/02/76	90	0511	46.2	122.2	GGGG			21	26
08033W	3729N	5771-14154	00000/0000	1-10059/0097	05/29/77	10	4694	47.6	98.6	GGG			18	34
08034W	2725N	5751-14090	00000/0000	1-10058/0096	05/09/77	30	4415	45.4	92.7	GGG			16	41
08034W	2722N	5823-14020	00000/0000	1-10061/0014	07/20/77	40	5419	42.7	86.5	GGG			16	41
08035W	4853N	5756-14310	00000/0000	1-10058/0234	05/14/77	0	4485	44.9	117.1	FGG			21	26
08035W	2725N	5787-14054	00000/0000	1-10059/0552	06/14/77	10	4917	45.7	83.9	GGG			16	41
08036W	2729N	5769-14072	00000/0000	1-10059/0075	05/27/77	10	4666	46.2	87.1	GGG			16	41
08041W	3143N	5662-14213	00000/0000	1-10055/0223	02/09/77	60	3174	24.2	127.0	GGGG			17	38
08042W	3149N	5485-14365	00000/0000	1-10052/0528	08/16/76	10	0706	47.2	105.3	GGGG			17	38
08043W	3143N	5680-14200	00000/0000	1-10056/0095	02/27/77	70	3425	28.6	121.9	GFFG			17	38
08044W	3143N	5824-14062	00000/0000	1-10060/0784	07/21/77	10	5433	43.5	91.2	GGG			17	38
08047W	3143N	5806-14081	00000/0000	1-10060/0472	07/03/77	30	5182	45.4	88.5	GGF			17	38
08048W	4438N	5506-14484	00000/0000	1-10053/0243	09/06/76	10	0999	39.3	127.6	GGGG			20	29
08048W	3147N	5752-14133	00000/0000	1-10058/0196	05/10/77	0	4429	45.9	97.3	GGG			17	38
08050W	4440N	5470-14514	00000/0000	1-10052/0230	08/01/76	20	0497	47.7	116.4	GGGG			20	29
08050W	4439N	5488-14501	00000/0000	1-10052/0625	08/19/76	40	0748	43.9	121.6	GGGG			20	29
08050W	4433N	5524-14471	00000/0000	1-10053/0617	09/24/76	70	1250	34.2	133.5	FGGG			20	29
08050W	3608N	5486-14412	00000/0000	1-10052/0547	08/17/76	50	0720	46.5	110.9	GGFG			18	35
08050W	3147N	5770-14115	00000/0000	1-10059/0088	05/28/77	30	4680	47.0	91.9	GGG			17	38
08051W	3558N	5663-14260	00000/0000	1-10055/0099	02/10/77	0	3188	22.5	129.0	GGGG			18	35
08052W	3602N	5522-14382	00000/0000	1-10053/0562	09/22/76	10	1222	38.8	125.6	GGGF			18	35
08052W	2558N	5661-14173	00000/0000	1-10056/0013	02/08/77	90	3160	26.6	124.3	GGGG			16	42
08053W	4019N	5664-14302	00000/0000	1-10055/0106	02/11/77	10	3202	20.6	131.0	GGGG			19	32
08053W	3604N	5504-14395	00000/0000	1-10053/0192	09/04/76	60	0971	43.0	118.2	GGGG			18	35
08053W	3559N	5681-14242	00000/0000	1-10056/0129	02/28/77	10	3439	27.3	124.3	GGGG			18	35
08054W	4441N	5755-14264	00000/0000	1-10058/0215	05/13/77	70	4471	45.6	111.9	GGG			20	29
08054W	2603N	5520-14300	00000/0000	1-10053/0532	09/20/76	20	1194	42.4	115.3	GGGG			16	42
08055W	4431N	5809-14212	00000/0000	1-10060/0491	07/06/77	90	5224	46.2	104.2	GGG			20	29
08055W	4019N	5523-14424	00000/0000	1-10053/0625	09/23/76	10	1236	36.6	129.7	GGGG			19	32
08055W	3606N	5468-14425	00000/0000	1-10052/0163	07/30/76	40	0469	49.3	104.5	GFFG			18	35
08056W	4022N	5505-14441	00000/0000	1-10053/0232	09/05/76	70	0985	41.3	123.0	GGGG			19	32
08056W	3601N	5825-14104	00000/0000	1-10061/0029	07/22/77	90	5447	43.9	96.1	GGG			18	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0143

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS						123	45678				
08056W	2556N	5823-14022	00000/0000	1-10061/0015	07/20/77	20	5419	42.4	85.1	GGG			16	42
08057W	4438N	5773-14250	00000/0000	1-10059/0316	05/31/77	10	4722	47.6	107.5	GGG			20	29
08057W	4022N	5718-14253	00000/0000	1-10057/0006	04/06/77	80	3955	37.5	117.6	GGG			19	32
08057W	4021N	5487-14454	00000/0000	1-10052/0583	08/18/76	0	0734	45.3	116.3	GGGG			19	32
08057W	3600N	5807-14123	00000/0000	1-10060/0441	07/04/77	10	5196	46.0	93.5	GGG			18	35
08057W	2559N	5751-14093	00000/0000	1-10058/0097	05/09/77	50	4415	45.2	91.1	GGG			16	42
08058W	4020N	5541-14412	00000/0000	1-10054/0315	10/11/76	60	1487	31.9	135.4	GGGG			19	32
08058W	3606N	5753-14175	00000/0000	1-10058/0180	05/11/77	0	4443	46.1	102.0	GGG			18	35
08058W	2559N	5787-14060	00000/0000	1-10059/0553	06/14/77	20	4917	45.3	82.4	GGG			16	42
08059W	4023N	5754-14221	00000/0000	1-10058/0156	05/12/77	20	4457	46.0	106.9	GGG			19	32
08059W	3604N	5771-14161	00000/0000	1-10059/0098	05/29/77	10	4694	47.3	96.8	GGG			18	35
08059W	3600N	5789-14142	00000/0000	1-10059/0666	06/16/77	80	4945	47.4	93.7	GGG			18	35
08059W	2602N	5769-14075	00000/0000	1-10059/0076	05/27/77	20	4666	45.9	85.5	GGG			16	42
08100W	4018N	5826-14150	00000/0000	1-10061/0196	07/23/77	10	5461	44.0	101.2	GGG			19	32
08102W	4021N	5772-14203	00000/0000	1-10059/0100	05/30/77	40	4708	47.7	102.1	GGG			19	32
08102W	4016N	5808-14170	00000/0000	1-10060/0255	07/05/77	60	5210	46.3	98.7	GGG			19	32
08106W	4728N	5507-14533	00000/0000	1-10053/0266	09/07/76	10	1013	37.7	130.7	GGGG			21	27
08106W	3016N	5662-14220	00000/0000	1-10055/0224	02/09/77	80	3174	24.9	126.3	GGGG			17	39
08107W	3023N	5485-14372	00000/0000	1-10052/0529	08/16/76	10	0706	47.3	103.5	GGGG			17	39
08107W	3017N	5680-14202	00000/0000	1-10056/0096	02/27/77	70	3425	29.2	121.0	GGPG			17	39
08109W	3017N	5824-14064	00000/0000	1-10060/0785	07/21/77	10	5433	43.2	89.6	GGG			17	39
08110W	4730N	5471-14563	00000/0000	1-10052/0218	08/02/76	60	0511	46.7	120.4	GGGG			21	27
08111W	3018N	5806-14084	00000/0000	1-10060/0473	07/03/77	40	5182	45.0	86.9	GFP			17	39
08112W	4729N	5756-14312	00000/0000	1-10058/0235	05/14/77	0	4485	45.2	115.3	GGG			21	27
08112W	3021N	5752-14135	00000/0000	1-10058/0197	05/10/77	30	4429	45.8	95.6	GGG			17	39
08113W	2432N	5661-14180	00000/0000	1-10056/0014	02/08/77	90	3160	27.2	123.5	GGGG			16	43
08114W	3022N	5770-14121	00000/0000	1-10059/0089	05/28/77	20	4680	46.8	90.2	GGG			17	39
08117W	3440N	5486-14414	00000/0000	1-10052/0548	08/17/76	60	0720	46.7	109.1	GGFG			18	36
08118W	3438N	5504-14401	00000/0000	1-10053/0193	09/04/76	50	0971	43.4	116.7	GGGG			18	36
08118W	3432N	5663-14262	00000/0000	1-10055/0100	02/10/77	0	3188	23.1	128.3	GGGG			18	36
08118W	2430N	5823-14025	00000/0000	1-10061/0016	07/20/77	60	5419	42.0	83.7	GGG			16	43
08119W	3436N	5522-14385	00000/0000	1-10053/0563	09/22/76	0	1222	39.4	124.3	GGGG			18	36
08119W	3434N	5681-14245	00000/0000	1-10056/0130	02/28/77	0	3439	27.8	123.4	GGGG			18	36
08119W	2433N	5751-14095	00000/0000	1-10058/0098	05/09/77	10	4415	45.0	89.5	GGG			16	43
08120W	4312N	5506-14490	00000/0000	1-10053/0244	09/06/76	10	0999	39.9	126.2	GGGG			20	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
08120W	2431N	5787-14063	00000/0000	1-10059/0554	06/14/77	10	4917	44.8	80.9	GGG			16	43
08121W	4315N	5470-14520	00000/0000	1-10052/0231	08/01/76	40	0497	48.0	114.5	GGGG			20	30
08121W	4307N	5524-14473	00000/0000	1-10053/0618	09/24/76	20	1250	34.9	132.3	GGGG			20	30
08121W	3854N	5664-14304	00000/0000	1-10055/0107	02/11/77	0	3202	21.9	130.2	FGGG			19	33
08121W	3440N	5468-14431	00000/0000	1-10052/0164	07/30/76	10	0469	49.4	102.6	GGGG			18	36
08122W	4314N	5488-14503	00000/0000	1-10052/0626	08/19/76	10	0748	44.8	120.0	GGGG			20	30
08122W	3435N	5825-14111	00000/0000	1-10061/0030	07/22/77	60	5447	43.8	94.5	GGG			18	36
08123W	3853N	5523-14431	00000/0000	1-10053/0626	09/23/76	10	1236	37.3	128.5	GGGG			19	33
08123W	3434N	5807-14130	00000/0000	1-10060/0442	07/04/77	10	5196	45.8	91.8	GGG			18	36
08124W	3856N	5505-14444	00000/0000	1-10053/0233	09/05/76	50	0985	41.8	121.6	FFGG			19	33
08125W	4315N	5755-14270	00000/0000	1-10058/0216	05/13/77	80	4471	45.8	110.1	GGG			20	30
08125W	3440N	5753-14181	00000/0000	1-10058/0181	05/11/77	0	4443	46.1	100.3	GGG			18	36
08126W	3856N	5487-14461	00000/0000	1-10052/0584	08/18/76	0	0734	45.7	114.6	FFGG			19	33
08126W	3856N	5718-14260	00000/0000	1-10057/0007	04/06/77	80	3955	37.9	116.3	GGG			19	33
08127W	4306N	5509-14214	00000/0000	1-10060/0492	07/06/77	70	5224	46.2	102.4	GGG			20	30
08127W	3857N	5754-14224	00000/0000	1-10058/0157	05/12/77	10	4457	46.1	105.2	GGG			19	33
08127W	3854N	5541-14414	00000/0000	1-10054/0316	10/11/76	20	1487	32.3	134.4	GGGG			19	33
08128W	4312N	5773-14252	00000/0000	1-10059/0317	05/31/77	10	4722	47.7	105.6	GGG			20	30
08128W	3853N	5826-14153	00000/0000	1-10061/0197	07/23/77	20	5461	43.9	99.6	GGG			19	33
08130W	3855N	5772-14210	00000/0000	1-10059/0101	05/30/77	80	4708	47.7	100.3	GGG			19	33
08130W	3851N	5808-14172	00000/0000	1-10060/0256	07/05/77	70	5210	46.2	97.0	GGG			19	33
08131W	2849N	5662-14222	00000/0000	1-10055/0225	02/09/77	60	3174	25.5	125.5	GGGG			17	40
08132W	2856N	5485-14374	00000/0000	1-10052/0530	08/16/76	10	0706	47.3	101.8	GGGG			17	40
08132W	2851N	5680-14205	00000/0000	1-10056/0097	02/27/77	90	3425	29.7	120.1	GGGG			17	40
08134W	2849N	5824-14071	00000/0000	1-10060/0786	07/21/77	10	5433	43.0	88.2	GGG			17	40
08136W	2852N	5806-14090	00000/0000	1-10060/0474	07/03/77	10	5182	44.7	85.3	GGG			17	40
08138W	2857N	5770-14124	00000/0000	1-10059/0090	05/28/77	30	4680	46.5	88.5	GGG			17	40
08141W	4603N	5507-14535	00000/0000	1-10053/0267	09/07/76	10	1013	38.4	129.4	GGGG			21	28
08141W	4600N	5525-14522	00000/0000	1-10053/0549	09/25/76	50	1264	33.1	135.0	GGGG			21	28
08143W	4603N	5489-14552	00000/0000	1-10052/0650	08/20/76	20	0762	43.1	123.5	GGGG			21	28
08143W	3313N	5486-14421	00000/0000	1-10052/0549	08/17/76	70	0720	46.9	107.4	GGGG			18	37
08143W	3313N	5504-14404	00000/0000	1-10053/0194	09/04/76	60	0971	43.8	115.2	GGGG			18	37
08143W	3307N	5663-14265	00000/0000	1-10055/0101	02/10/77	0	3188	23.8	127.5	GGGG			18	37
08144W	3309N	5681-14251	00000/0000	1-10056/0131	02/28/77	0	3439	28.4	122.5	GGGG			18	37
08145W	4606N	5471-14565	00000/0000	1-10052/0219	08/02/76	30	0511	47.1	118.5	GGGG			21	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT									123 45678				
08145W	4605N	5756-14315	00000/0000	1-10058/0236	05/14/77	0	4485	45.5	113.5	GGG			21	28
08145W	3310N	5522-14391	00000/0000	1-10053/0564	09/22/76	0	1222	40.8	123.0	GGGG			18	37
08146W	3315N	5468-14434	00000/0000	1-10052/0165	07/30/76	10	0469	49.4	100.7	GGGG			18	37
08146W	3310N	5825-14113	00000/0000	1-10061/0031	07/22/77	30	5447	43.6	93.0	GGG			18	37
08148W	3729N	5664-14311	00000/0000	1-10055/0108	02/11/77	10	3202	22.0	129.5	GGGG			19	34
08149W	4557N	5810-14263	00000/0000	1-10060/0410	07/07/77	90	5238	46.0	106.1	GGG			21	28
08149W	3309N	5807-14132	00000/0000	1-10060/0443	07/04/77	10	5196	45.8	90.2	GGG			18	37
08150W	3313N	5753-14184	00000/0000	1-10058/0182	05/11/77	0	4443	46.1	98.6	GGF			18	37
08151W	3731N	5505-14450	00000/0000	1-10053/0234	09/05/76	70	0985	42.3	120.1	GGGG			19	34
08151W	3728N	5523-14433	00000/0000	1-10053/0627	09/23/76	10	1236	37.9	127.2	GGGG			19	34
08152W	4150N	5470-14523	00000/0000	1-10052/0232	08/01/76	30	0497	48.3	112.7	GGGG			20	31
08152W	4147N	5488-14510	00000/0000	1-10058/0182	08/19/76	10	0748	44.7	118.3	GGGG			20	31
08152W	4147N	5506-14493	00000/0000	1-10053/0245	09/06/76	10	0999	40.5	124.8	GGGG			20	31
08152W	4142N	5524-14480	00000/0000	1-10053/0619	09/24/76	20	1250	35.7	131.2	GGGG			20	31
08152W	3731N	5487-14463	00000/0000	1-10052/0585	08/18/76	10	0734	46.0	112.9	FFFF			19	34
08153W	4145N	5542-14463	00000/0000	1-10054/0307	10/12/76	30	1501	30.4	136.6	GGGG			20	31
08153W	4139N	5683-14340	00000/0000	1-10056/0144	03/02/77	0	3467	25.5	127.4	G			20	31
08154W	4148N	5755-14273	00000/0000	1-10058/0217	05/13/77	30	4471	46.0	108.4	FGG			20	31
08154W	3731N	5718-14262	00000/0000	1-10057/0008	04/06/77	40	3955	38.3	114.9	GGG			19	34
08154W	3731N	5754-14230	00000/0000	1-10058/0158	05/12/77	0	4457	46.2	103.4	GGG			19	34
08154W	3727N	5541-14421	00000/0000	1-10054/0317	10/11/76	20	1487	33.1	133.4	GGGG			19	34
08156W	4854N	5508-14584	00000/0000	1-10053/0409	09/08/76	0	1027	36.7	132.4	GGGG			22	26
08156W	3727N	5826-14155	00000/0000	1-10061/0198	07/23/77	20	5461	43.8	97.9	GGF			19	34
08156W	2729N	5485-14381	00000/0000	1-10052/0531	08/16/76	10	0706	47.4	100.1	GGGG			17	41
08156W	2728N	5539-14334	00000/0000	1-10054/0257	10/09/76	90	1459	38.5	125.0	GGGG		H	17	41
08157W	3726N	5808-14175	00000/0000	1-10060/0257	07/05/77	70	5210	46.1	95.3	GGG			19	34
08158W	4852N	5490-15001	00000/0000	1-10052/0690	08/21/76	0	0776	41.8	127.1	GGGG			22	26
08158W	4141N	5809-14221	00000/0000	1-10060/0493	07/06/77	10	5224	46.2	100.6	GGG			20	31
08158W	2722N	5824-14073	00000/0000	1-10060/0787	07/21/77	10	5433	42.6	86.7	GGG			17	41
08159W	4853N	5472-15014	00000/0000	1-10052/0241	08/03/76	10	0525	46.0	122.4	GGGF			22	26
08159W	4147N	5773-14255	00000/0000	1-10059/0318	05/31/77	20	4722	47.7	103.7	GGG			20	31
08200W	4852N	5721-14400	00000/0000	1-10058/0010	04/09/77	0	3997	35.7	124.9	GGG			22	26
08200W	2725N	5806-14093	00000/0000	1-10060/0475	07/03/77	10	5182	44.3	83.8	GGG			17	41
08201W	2730N	5770-14130	00000/0000	1-10059/0091	05/28/77	30	4680	46.2	86.9	GGG			17	41
08207W	3141N	5663-14271	00000/0000	1-10055/0102	02/10/77	0	3188	24.5	126.8	GGGG			18	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
08208W	3147N	5504-14410	00000/0000	1-10053/0195	09/04/76	80	0971	44.1	113.6	GGGG				18	38
08209W	3148N	5486-14423	00000/0000	1-10052/0550	08/17/76	70	0720	47.0	105.7	GGGG				18	38
08209W	3143N	5681-14254	00000/0000	1-10056/0132	02/28/77	0	3439	28.8	121.6	GGGG				18	38
08211W	3149N	5468-14440	00000/0000	1-10052/0166	07/30/76	30	0469	49.4	98.8	GGGG				18	38
08211W	3145N	5522-14394	00000/0000	1-10053/0565	09/22/76	10	1222	40.5	121.7	GGGG				18	38
08211W	3145N	5825-14120	00000/0000	1-10061/0032	07/22/77	10	5447	43.4	91.4	GGG				18	38
08214W	4438N	5507-14542	00000/0000	1-10053/0268	09/07/76	30	1013	39.0	128.0	GGGG				21	29
08214W	4434N	5525-14525	00000/0000	1-10053/0550	09/25/76	30	1264	33.9	133.8	GGGG				21	29
08215W	3603N	5664-14313	00000/0000	1-10055/0109	02/11/77	10	3202	22.7	128.8	GGG				19	35
08215W	3147N	5753-14190	00000/0000	1-10058/0183	05/11/77	10	4443	46.0	96.9	GGF				18	38
08215W	3144N	5807-14135	00000/0000	1-10060/0444	07/04/77	10	5196	45.3	88.5	GGG				18	38
08216W	4438N	5489-14555	00000/0000	1-10052/0651	08/20/76	10	0762	43.6	121.9	GGGG				21	29
08218W	4442N	5471-14572	00000/0000	1-10052/0220	08/02/76	10	0511	47.5	116.7	GGGG				21	29
08218W	4441N	5756-14321	00000/0000	1-10058/0237	05/14/77	10	4485	45.8	111.7	GGG				21	29
08218W	3605N	5505-14453	00000/0000	1-10053/0235	09/05/76	70	0985	42.8	118.6	GGGF				19	35
08218W	3602N	5523-14440	00000/0000	1-10053/0628	09/23/76	10	1236	38.6	126.0	GGGG				19	35
08218W	2602N	5485-14383	00000/0000	1-10052/0532	08/16/76	10	0706	47.3	98.4	GGGG				17	42
08219W	3606N	5487-14470	00000/0000	1-10052/0586	08/18/76	10	0734	46.3	111.2	GGFG				19	35
08220W	3601N	5541-14423	00000/0000	1-10054/0318	10/11/76	10	1487	33.8	132.3	GGGG				19	35
08221W	4017N	5524-14482	00000/0000	1-10053/0620	09/24/76	10	1250	36.4	130.0	FGGG				20	32
08221W	4015N	5683-14342	00000/0000	1-10056/0145	03/02/77	0	3467	26.1	126.5	GGGG				20	32
08221W	2555N	5824-14080	00000/0000	1-10060/0788	07/21/77	10	5433	42.3	85.3	GGG				17	42
08222W	4432N	5810-14270	00000/0000	1-10060/0411	07/07/77	90	5238	46.1	104.2	GGG				21	29
08222W	4024N	5470-14525	00000/0000	1-10052/0233	08/01/76	50	0497	48.5	110.8	GGGG				20	32
08222W	4021N	5506-14495	00000/0000	1-10053/0246	09/06/76	10	0999	41.0	123.4	GGGG				20	32
08222W	4019N	5542-14470	00000/0000	1-10054/0308	10/12/76	10	1501	31.2	135.7	GGGG				20	32
08222W	3605N	5718-14265	00000/0000	1-10057/0009	04/06/77	10	3955	38.6	113.6	GGG				19	35
08222W	3605N	5754-14233	00000/0000	1-10058/0159	05/12/77	10	4457	46.3	101.7	GGG				19	35
08223W	4021N	5488-14512	00000/0000	1-10052/0628	08/19/76	10	0748	45.1	116.6	GGGG				20	32
08223W	4021N	5755-14275	00000/0000	1-10058/0218	05/13/77	10	4471	46.2	106.6	GGG				20	32
08223W	2558N	5806-14095	00000/0000	1-10060/0476	07/03/77	10	5182	43.0	82.3	GGF				17	42
08224W	3600N	5808-14181	00000/0000	1-10060/0258	07/05/77	60	5210	45.0	93.6	GGG				19	35
08224W	2603N	5770-14133	00000/0000	1-10059/0092	05/28/77	20	4680	45.0	85.3	GGG				17	42
08227W	4016N	5809-14223	00000/0000	1-10060/0494	07/06/77	0	5224	46.2	98.8	GGG				20	32
08229W	4021N	5773-14261	00000/0000	1-10059/0319	05/31/77	10	4722	47.8	101.9	GGG				20	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0147

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
08231W	3016N	5663-14274	00000/0000	1-10055/0103	02/10/77	0	3188	25.1	126.0	GGGG			18	39
08232W	4729N	5508-14591	00000/0000	1-10053/0410	09/08/76	0	1027	37.4	131.1	GGGG			22	27
08232W	3021N	5504-14413	00000/0000	1-10053/0196	09/04/76	70	0971	44.4	112.1	GGGG			18	39
08233W	3023N	5486-14430	00000/0000	1-10052/0555	08/17/76	80	0720	47.1	104.0	GG			18	39
08234W	3017N	5681-14260	00000/0000	1-10056/0133	02/28/77	10	3439	29.4	120.7	GGGG			18	39
08235W	4727N	5490-15004	00000/0000	1-10052/0691	08/21/76	10	0776	42.3	125.5	GGGG			22	27
08236W	4728N	5472-15021	00000/0000	1-10052/0242	08/03/76	30	0525	46.5	120.5	GGGG			22	27
08236W	4727N	5721-14402	00000/0000	1-10058/0011	04/09/77	10	3997	36.2	123.6	GGG			22	27
08236W	3022N	5468-14443	00000/0000	1-10052/0167	07/30/76	30	0469	49.4	97.0	GGGG			18	39
08236W	3020N	5522-14400	00000/0000	1-10053/0566	09/22/76	10	1222	41.0	120.4	GGGG			18	39
08236W	3020N	5825-14122	00000/0000	1-10061/0033	07/22/77	10	5447	43.1	89.9	GGG			18	39
08239W	3018N	5807-14141	00000/0000	1-10060/0445	07/04/77	20	5196	45.0	87.0	GGG			18	39
08240W	3020N	5753-14193	00000/0000	1-10058/0184	05/11/77	10	4443	45.9	95.2	GFF			18	39
08241W	4720N	5811-14315	00000/0000	1-10060/0523	07/08/77	80	5252	45.8	108.0	GGG			22	27
08241W	2436N	5485-14390	00000/0000	1-10052/0533	08/16/76	10	0706	47.3	96.7	GGGG			17	43
08242W	3437N	5664-14320	00000/0000	1-10055/0110	02/11/77	50	3202	23.8	128.0	GGGG			19	36
08244W	3438N	5505-14455	00000/0000	1-10053/0236	09/05/76	80	0985	43.2	117.1	GGGG			19	36
08245W	3436N	5523-14442	00000/0000	1-10053/0629	09/23/76	10	1236	39.2	124.7	GGGG			19	36
08245W	2433N	5806-14102	00000/0000	1-10060/0477	07/03/77	10	5182	43.4	80.9	GGG			17	43
08246W	4313N	5507-14544	00000/0000	1-10053/0269	09/07/76	40	1013	39.6	126.6	GGGG			21	30
08246W	4309N	5525-14531	00000/0000	1-10053/0551	09/25/76	10	1264	34.6	132.7	GGGG			21	30
08246W	3439N	5487-14472	00000/0000	1-10052/0587	08/18/76	10	0734	46.5	109.5	GGGG			19	36
08246W	3433N	5682-14303	00000/0000	1-10056/0150	03/01/77	10	3453	28.1	123.2	GGG			19	36
08246W	2436N	5770-14135	00000/0000	1-10059/0093	05/28/77	10	4680	45.5	83.7	GGG			17	43
08247W	3435N	5541-14430	00000/0000	1-10054/0319	10/11/76	10	1487	34.6	131.3	GGGG			19	36
08248W	4313N	5489-14561	00000/0000	1-10052/0652	08/20/76	10	0762	44.1	120.3	GGGG			21	30
08248W	3439N	5718-14271	00000/0000	1-10057/0010	04/06/77	0	3955	38.9	112.3	GGG			19	36
08248W	3438N	5754-14235	00000/0000	1-10058/0160	05/12/77	10	4457	46.3	100.0	GGG			19	36
08248W	3435N	5808-14184	00000/0000	1-10060/0259	07/05/77	30	5210	45.7	91.9	GGG			19	36
08249W	4317N	5471-14574	00000/0000	1-10052/0221	08/02/76	40	0511	47.8	114.8	GGGG			21	30
08249W	4315N	5756-14324	00000/0000	1-10058/0238	05/14/77	10	4485	46.0	109.9	GGG			21	30
08250W	3855N	5506-14502	00000/0000	1-10053/0247	09/06/76	0	0999	41.6	122.0	GGGG			20	33
08250W	3851N	5524-14485	00000/0000	1-10053/0621	09/24/76	30	1250	37.0	128.8	GGGG			20	33
08250W	3850N	5683-14345	00000/0000	1-10056/0146	03/02/77	0	3467	26.7	125.6	GGGG			20	33
08251W	3858N	5470-14532	00000/0000	1-10052/0234	08/01/76	70	0497	48.8	108.9	GGGG			20	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV HSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
08251W 3856N	5488-14515	00000/0000 1-10052/0629	08/19/76	0	0748	45.5	115.0	GGGG			20	33
08252W 3855N	5719-14314	00000/0000 1-10057/0055	04/07/77	30	3969	38.2	116.0	GGF			20	33
08252W 3854N	5755-14282	00000/0000 1-10058/0219	05/13/77	10	4471	46.3	104.8	GGG			20	33
08253W 4306N	5810-14272	00000/0000 1-10060/0412	07/07/77	80	5238	46.1	102.4	GGG			21	30
08255W 3851N	5809-14230	00000/0000 1-10060/0495	07/06/77	0	5224	46.1	97.1	GGG			20	33
08255W 2851N	5663-14280	00000/0000 1-10055/0104	02/10/77	10	3188	25.7	125.2	GGGG			18	40
08256W 2855N	5504-14415	00000/0000 1-10053/0198	09/04/76	40	0971	44.7	110.5	GG			18	40
08257W 3854N	5773-14264	00000/0000 1-10059/0320	05/31/77	10	4722	47.7	100.0	GGG			20	33
08258W 2858N	5486-14432	00000/0000 1-10052/0551	08/17/76	50	0720	47.2	102.2	GGGG		H	18	40
08259W 2855N	5468-14445	00000/0000 1-10052/0171	07/30/76	60	0469	49.2	95.1	GG			18	40
08259W 2854N	5522-14403	00000/0000 1-10053/0569	09/22/76	40	1222	41.5	119.0	GG		H	18	40
08259W 2850N	5681-14263	00000/0000 1-10056/0134	02/28/77	30	3439	29.9	119.8	GGGG			18	40
08300W 2853N	5825-14125	00000/0000 1-10061/0034	07/22/77	20	5447	42.9	88.5	GGG			18	40
08302W 2853N	5807-14144	00000/0000 1-10060/0446	07/04/77	70	5196	44.6	85.4	GGG			18	40
08307W 4604N	5508-14593	00000/0000 1-10053/0411	09/08/76	0	1027	38.1	129.7	GGGG			22	28
08308W 3311N	5664-14322	00000/0000 1-10055/0111	02/11/77	20	3202	24.0	127.3	GGGG			19	37
08309W 4603N	5490-15010	00000/0000 1-10052/0692	08/21/76	10	0776	42.8	123.9	GGGG			22	28
08310W 3312N	5505-14462	00000/0000 1-10053/0237	09/05/76	70	0985	43.6	115.6	GGGF			19	37
08311W 4602N	5721-14405	00000/0000 1-10058/0012	04/09/77	10	3997	36.7	122.2	GGG			22	28
08311W 3311N	5523-14445	00000/0000 1-10053/0630	09/23/76	0	1236	39.8	123.4	GGGG			19	37
08311W 3307N	5682-14305	00000/0000 1-10056/0151	03/01/77	0	3453	28.7	122.2	GGGG			19	37
08312W 4602N	5757-14373	00000/0000 1-10058/0292	05/15/77	10	4499	45.7	113.2	GGG			22	28
08312W 3313N	5487-14475	00000/0000 1-10052/0588	08/18/76	10	0734	46.7	107.8	GGGG			19	37
08313W 3311N	5541-14432	00000/0000 1-10054/0320	10/11/76	0	1487	35.3	130.2	GGGG			19	37
08313W 3310N	5808-14190	00000/0000 1-10060/0260	07/05/77	10	5210	45.5	90.2	FGG			19	37
08314W 3313N	5718-14274	00000/0000 1-10057/0011	04/06/77	0	3955	39.2	110.9	GGG			19	37
08314W 3312N	5754-14242	00000/0000 1-10058/0161	05/12/77	20	4457	46.2	98.3	GGG			19	37
08315W 4556N	5811-14321	00000/0000 1-10060/0524	07/08/77	90	5252	45.9	106.1	GGG			22	28
08317W 4147N	5507-14551	00000/0000 1-10053/0270	09/07/76	10	1013	40.2	125.2	GGGG			21	31
08317W 3725N	5524-14491	00000/0000 1-10053/0622	09/24/76	40	1250	37.7	127.6	FGGG			20	34
08318W 4147N	5489-14564	00000/0000 1-10052/0653	08/20/76	0	0762	44.5	118.7	GGGG			21	31
08318W 4144N	5525-14534	00000/0000 1-10053/0552	09/25/76	60	1264	35.4	131.5	GGGG			21	31
08318W 3731N	5488-14521	00000/0000 1-10052/0630	08/19/76	0	0748	45.8	113.3	GGFG			20	34
08318W 3729N	5506-14504	00000/0000 1-10053/0248	09/06/76	10	0999	42.1	120.5	GGGG			20	34
08319W 3732N	5470-14534	00000/0000 1-10052/0235	08/01/76	60	0497	48.9	107.0	GGGG			20	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
08319W	3724N	5683-14351	00000/0000	1-10056/0147	03/02/77	0	3467	27.3	124.7	GGGG			20	34
08320W	4151N	5471-14581	00000/0000	1-10052/0222	08/02/76	30	0511	48.1	112.9	GGGG			21	31
08320W	3729N	5719-14320	00000/0000	1-10057/0056	04/07/77	50	3969	38.6	114.6	GGG			20	34
08320W	3728N	5755-14284	00000/0000	1-10058/0220	05/13/77	10	4471	46.3	103.1	GGG			20	34
08320W	2728N	5504-14422	00000/0000	1-10053/0197	09/04/76	60	0971	45.0	109.0	GGGG		H	18	41
08320W	2726N	5540-14392	00000/0000	1-10054/0323	10/10/76	60	1473	38.3	125.4	GGGG		H	18	41
08321W	4149N	5756-14330	00000/0000	1-10058/0239	05/14/77	10	4485	46.2	108.1	GGG			21	31
08322W	3726N	5809-14232	00000/0000	1-10060/0496	07/06/77	10	5224	46.6	95.3	GGG			20	34
08322W	2732N	5486-14435	00000/0000	1-10052/0552	08/17/76	40	0720	47.3	100.5	GGGG		H	18	41
08323W	2728N	5468-14452	00000/0000	1-10052/0168	07/30/76	70	0469	49.1	93.3	GGGG		H	18	41
08323W	2727N	5522-14405	00000/0000	1-10053/0567	09/22/76	90	1222	42.0	117.6	GGGG		H	18	41
08323W	2723N	5681-14265	00000/0000	1-10059/0135	02/28/77	70	3439	30.4	118.9	GGGG			18	41
08324W	4856N	5491-15055	00000/0000	1-10052/0678	08/22/76	0	0790	41.5	127.4	GGGG			23	26
08324W	4141N	5810-14275	00000/0000	1-10060/0413	07/07/77	20	5238	46.1	100.6	GGG			21	31
08324W	3728N	5773-14270	00000/0000	1-10059/0321	05/31/77	10	4722	47.7	98.2	GGG			20	34
08324W	2726N	5825-14131	00000/0000	1-10061/0035	07/22/77	10	5447	42.6	87.0	GGG			18	41
08325W	2726N	5807-14150	00000/0000	1-10060/0447	07/04/77	70	5196	44.2	83.9	GGG			18	41
08327W	4855N	5473-15072	00000/0000	1-10052/0258	08/04/76	90	0539	45.8	122.6	GFFG			23	26
08330W	4847N	5794-14385	00000/0000	1-10060/0127	06/21/77	10	5015	47.2	110.1	GGG			23	26
08331W	4852N	5776-14404	00000/0000	1-10059/0218	06/03/77	10	4764	47.2	112.6	GGG			23	26
08334W	3144N	5664-14325	00000/0000	1-10055/0112	02/11/77	10	3202	24.7	126.5	GGGG			19	38
08335W	3147N	5505-14464	00000/0000	1-10053/0238	09/05/76	80	0985	43.9	114.1	FGGG			19	38
08336W	3147N	5487-14481	00000/0000	1-10052/0589	08/18/76	10	0734	46.9	106.1	GGGG			19	38
08336W	3145N	5523-14451	00000/0000	1-10053/0631	09/23/76	10	1236	40.3	122.1	GGGG			19	38
08336W	3142N	5682-14312	00000/0000	1-10056/0152	03/01/77	0	3453	29.2	121.3	GGGG			19	38
08338W	3145N	5541-14435	00000/0000	1-10054/0321	10/11/76	0	1487	36.0	129.2	GGGF			19	38
08338W	3144N	5808-14193	00000/0000	1-10060/0261	07/05/77	10	5210	45.2	88.6	GGG			19	38
08339W	3146N	5718-14280	00000/0000	1-10057/0012	04/06/77	0	3955	39.4	109.6	GGG			19	38
08340W	4439N	5508-15000	00000/0000	1-10053/0412	09/08/76	0	1027	38.7	128.3	GGGG			22	29
08340W	3146N	5754-14244	00000/0000	1-10058/0162	05/12/77	10	4457	46.1	96.6	GGG			19	38
08342W	4438N	5490-15013	00000/0000	1-10052/0693	08/21/76	10	0776	43.4	122.3	GGGG			22	29
08343W	4438N	5721-14411	00000/0000	1-10058/0013	04/09/77	10	3997	37.2	120.8	GGG			22	29
08343W	3605N	5488-14524	00000/0000	1-10052/0631	08/19/76	10	0748	46.1	111.6	GGGG			20	35
08344W	4438N	5472-15030	00000/0000	1-10052/0243	08/03/76	0	0525	47.3	116.9	GGGG			22	29
08344W	2605N	5486-14441	00000/0000	1-10052/0553	08/17/76	80	0720	47.2	98.8	GGGG		H	18	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
08345W 4437N	5757-14375	00000/0000	1-10058/0293	05/15/77	10	4499	45.9	111.4	GGG			22	29
08345W 3604N	5506-14511	00000/0000	1-10053/0249	09/06/76	40	0999	42.5	119.1	GGGG			20	35
08345W 3558N	5524-14494	00000/0000	1-10053/0623	09/24/76	40	1250	38.3	126.3	GGGG			20	35
08346W 3606N	5470-14541	00000/0000	1-10052/0236	08/01/76	40	0497	49.0	105.1	GGGG			20	35
08346W 3603N	5719-14323	00000/0000	1-10057/0057	04/07/77	10	3969	38.9	113.3	GGG			20	35
08346W 3558N	5683-14354	00000/0000	1-10056/0148	03/02/77	30	3467	27.9	123.8	GGGG			20	35
08346W 2602N	5468-14454	00000/0000	1-10052/0169	07/30/76	20	0469	48.9	91.5	GGGG		H	18	42
08346W 2600N	5522-14412	00000/0000	1-10053/0570	09/22/76	90	1222	42.4	116.2	GG		H	18	42
08346W 2557N	5681-14272	00000/0000	1-10056/0136	02/28/77	80	3439	30.9	117.9	GGGG			18	42
08347W 4432N	5811-14324	00000/0000	1-10060/0525	07/08/77	30	5252	46.0	104.3	GGG			22	29
08347W 4022N	5507-14553	00000/0000	1-10053/0271	09/07/76	0	1013	40.8	123.8	GGGG			21	32
08347W 4020N	5543-14523	00000/0000	1-10054/0351	10/13/76	10	1515	30.9	135.9	GGGG			21	32
08347W 4018N	5525-14540	00000/0000	1-10053/0553	09/25/76	60	1264	36.1	130.3	GFFF			21	32
08347W 2600N	5825-14134	00000/0000	1-10061/0036	07/22/77	10	5447	42.2	85.6	GGG			18	42
08347W 2559N	5807-14153	00000/0000	1-10060/0448	07/04/77	50	5196	43.8	82.4	GGG			18	42
08348W 4021N	5489-14570	00000/0000	1-10052/0654	08/20/76	0	0762	44.9	117.0	GGGG			21	32
08348W 3602N	5755-14291	00000/0000	1-10058/0221	05/13/77	0	4471	46.4	101.3	GGG			20	35
08349W 4025N	5471-14583	00000/0000	1-10052/0223	08/02/76	10	0511	48.4	111.1	GGGG			21	32
08349W 3600N	5809-14235	00000/0000	1-10060/0497	07/06/77	20	5224	45.8	93.6	GGG			20	35
08351W 4022N	5756-14333	00000/0000	1-10058/0240	05/14/77	10	4485	46.3	106.3	GGG			21	32
08352W 3602N	5773-14273	00000/0000	1-10059/0322	05/31/77	10	4722	47.6	96.4	GGG			20	35
08353W 4016N	5810-14281	00000/0000	1-10060/0414	07/07/77	10	5238	46.1	98.9	GGG			21	32
08359W 3018N	5664-14331	00000/0000	1-10055/0113	02/11/77	0	3202	25.3	125.7	FFG			19	39
08400W 3021N	5505-14471	00000/0000	1-10053/0239	09/05/76	90	0985	44.3	112.6	GGGG			19	39
08401W 4731N	5491-15061	00000/0000	1-10052/0679	08/22/76	10	0790	42.3	125.8	GGFG			23	27
08401W 3019N	5523-14454	00000/0000	1-10053/0632	09/23/76	50	1236	40.8	120.8	GGGG			19	39
08401W 3016N	5682-14314	00000/0000	1-10056/0153	03/01/77	0	3453	29.7	120.4	GGGF			19	39
08403W 4731N	5473-15074	00000/0000	1-10052/0259	08/04/76	80	0539	46.3	120.8	FFGG			23	27
08403W 3020N	5718-14283	00000/0000	1-10057/0013	04/06/77	0	3955	39.6	108.2	GGG			19	39
08403W 3019N	5541-14441	00000/0000	1-10054/0322	10/11/76	0	1487	36.7	128.1	GGGG			19	39
08403W 3018N	5808-14195	00000/0000	1-10060/0262	07/05/77	40	5210	44.9	87.0	GGG			19	39
08404W 3021N	5754-14251	00000/0000	1-10058/0163	05/12/77	10	4457	46.0	94.9	GGG			19	39
08406W 4722N	5794-14391	00000/0000	1-10060/0128	06/21/77	10	5015	47.3	108.2	PGG			23	27
08406W 2439N	5486-14444	00000/0000	1-10052/0554	08/17/76	80	0720	47.2	97.1	GGFG		H	18	43
08407W 4726N	5776-14410	00000/0000	1-10059/0219	06/03/77	10	4764	47.4	110.7	GGG			23	27

KFYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV MSS						123 45678				
08408W	2435N	5468-14461	00000/0000	1-10052/0170	07/30/76	20	0469	48.7	89.8	GGGG	H	18	43
08408W	2434N	5522-14414	00000/0000	1-10053/0568	09/22/76	50	1222	42.8	114.8	GGGG		18	43
08408W	2431N	5681-14274	00000/0000	1-10056/0137	02/28/77	90	3439	31.3	117.0	FGGG		18	43
08409W	3438N	5488-14530	00000/0000	1-10052/0632	08/19/76	30	0748	46.4	109.9	GGGF		20	36
08409W	2434N	5807-14155	00000/0000	1-10060/0449	07/04/77	30	5196	43.9	81.0	GGG		18	43
08410W	3438N	5506-14513	00000/0000	1-10053/0250	09/06/76	50	0999	43.0	117.6	GGGG		20	36
08410W	2434N	5825-14140	00000/0000	1-10061/0037	07/22/77	30	5447	41.8	84.2	GGG		18	43
08413W	4314N	5508-15002	00000/0000	1-10053/0413	09/08/76	0	1027	39.4	127.0	GGGG		22	30
08413W	4313N	5490-15015	00000/0000	1-10052/0694	08/21/76	10	0776	43.9	120.7	GGGG		22	30
08413W	3441N	5470-14543	00000/0000	1-10052/0237	08/01/76	20	0497	49.1	103.3	GGGG		20	36
08413W	3437N	5719-14325	00000/0000	1-10057/0058	04/07/77	10	3969	39.2	111.9	GGG		20	36
08413W	3432N	5683-14360	00000/0000	1-10056/0149	03/02/77	30	3467	28.4	122.9	FGGG		20	36
08414W	3437N	5755-14293	00000/0000	1-10058/0222	05/13/77	0	4471	46.4	99.6	GGG		20	36
08415W	4313N	5721-14414	00000/0000	1-10058/0014	04/09/77	0	3997	37.6	119.5	GGG		22	30
08415W	4312N	5757-14382	00000/0000	1-10058/0294	05/15/77	10	4499	46.1	109.6	GGG		22	30
08415W	4307N	5544-14572	00000/0000	1-10054/0373	10/14/76	20	1529	28.9	138.1	GFGG		22	30
08415W	3856N	5507-14560	00000/0000	1-10053/0272	09/07/76	10	1013	41.3	122.4	GGGG		21	33
08415W	3852N	5525-14543	00000/0000	1-10053/0554	09/25/76	10	1264	36.8	129.2	GFGF		21	33
08416W	4313N	5472-15032	00000/0000	1-10052/0244	08/03/76	0	0525	47.6	115.0	GGGG		22	30
08416W	3856N	5489-14573	00000/0000	1-10052/0655	08/20/76	0	0762	45.2	115.4	GGGG		21	33
08416W	3854N	5543-14530	00000/0000	1-10054/0352	10/13/76	10	1515	31.7	135.0	GGGG		21	33
08416W	3436N	5809-14241	00000/0000	1-10060/0498	07/06/77	10	5224	45.6	92.0	GGG		20	36
08417W	3857N	5720-14371	00000/0000	1-10057/0074	04/08/77	10	3983	38.5	115.7	GGG		21	33
08418W	3859N	5471-14590	00000/0000	1-10052/0224	08/02/76	30	0511	48.6	109.2	GGGG		21	33
08418W	3437N	5773-14275	00000/0000	1-10059/0323	05/31/77	30	4722	47.8	94.6	GGG		20	36
08419W	4307N	5811-14330	00000/0000	1-10060/0526	07/08/77	40	5252	46.0	102.5	GGG		22	30
08420W	3856N	5756-14335	00000/0000	1-10058/0241	05/14/77	10	4485	46.4	104.6	GGG		21	33
08421W	3851N	5810-14284	00000/0000	1-10060/0415	07/07/77	10	5238	46.0	97.1	GGG		21	33
08422W	3850N	5792-14303	00000/0000	1-10059/0686	06/19/77	40	4987	47.5	97.1	GGG		21	33
08426W	2854N	5718-14285	00000/0000	1-10057/0014	04/06/77	10	3955	39.8	106.9	GGG		19	40
08428W	2854N	5754-14253	00000/0000	1-10058/0164	05/12/77	50	4457	45.8	93.3	GGG		19	40
08428W	2852N	5808-14202	00000/0000	1-10060/0263	07/05/77	30	5210	44.9	85.5	FGG		19	40
08434W	3312N	5488-14533	00000/0000	1-10052/0633	08/19/76	20	0748	46.6	108.2	GGGG		20	37
08435W	4606N	5491-15064	00000/0000	1-10052/0680	08/22/76	10	0790	42.6	124.2	GGGG		23	28
08438W	4606N	5473-15081	00000/0000	1-10052/0260	08/04/76	70	0539	46.7	119.0	FFGG		23	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING

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FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV MSS						123 45678				
08438W	3316N	5470-14550	00000/0000 1-10052/0238	08/01/76	20	0497	49.2	101.4	GGGG			20	37
08438W	3311N	5719-14332	00000/0000 1-10057/0059	04/07/77	10	3969	39.4	110.6	GGG			20	37
08439W	4601N	5758-14431	00000/0000 1-10058/0306	05/16/77	40	4513	45.8	112.9	GGG			23	28
08440W	4557N	5794-14394	00000/0000 1-10060/0129	06/21/77	10	5015	47.4	106.2	GGG			23	28
08440W	3311N	5755-14300	00000/0000 1-10058/0223	05/13/77	0	4471	46.3	97.9	GGG			20	37
08441W	4601N	5776-14413	00000/0000 1-10059/0220	06/03/77	10	4764	47.6	108.8	GGG			23	28
08442W	3726N	5525-14545	00000/0000 1-10053/0555	09/25/76	10	1264	37.4	128.0	GPGG			21	34
08443W	3730N	5507-14562	00000/0000 1-10053/0273	09/07/76	10	1013	41.8	120.9	GGGG			21	34
08443W	3312N	5773-14282	00000/0000 1-10059/0324	05/31/77	20	4722	47.3	92.9	GGG			20	37
08443W	3311N	5809-14244	00000/0000 1-10060/0499	07/06/77	10	5224	45.4	90.3	GGG			20	37
08444W	4148N	5508-15005	00000/0000 1-10053/0414	09/08/76	0	1027	40.0	125.6	GGGG			22	31
08444W	4147N	5490-15022	00000/0000 1-10052/0695	08/21/76	10	0776	44.3	119.0	GGGG			22	31
08444W	3732N	5720-14374	00000/0000 1-10057/0075	04/08/77	30	3983	38.8	114.4	GGG			21	34
08444W	3730N	5489-14575	00000/0000 1-10052/0656	08/20/76	0	0762	45.6	113.7	GGGG			21	34
08444W	3728N	5543-14532	00000/0000 1-10054/0353	10/13/76	10	1515	32.5	134.0	GGGG			21	34
08445W	4147N	5757-14384	00000/0000 1-10058/0295	05/15/77	0	4499	46.3	107.8	GGG			22	31
08446W	4148N	5472-15035	00000/0000 1-10052/0245	08/03/76	0	0525	47.9	113.2	GGGG			22	31
08446W	4147N	5721-14420	00000/0000 1-10058/0015	04/09/77	10	3997	38.0	118.1	GGG			22	31
08446W	4142N	5544-14575	00000/0000 1-10054/0374	10/14/76	10	1529	29.8	137.1	GGGF			22	31
08446W	3733N	5471-14592	00000/0000 1-10052/0225	08/02/76	70	0511	48.8	107.3	GGGG			21	34
08448W	4854N	5510-15100	00000/0000 1-10053/0333	09/10/76	20	1055	36.2	133.0	GGGG			24	26
08448W	3730N	5756-14342	00000/0000 1-10058/0242	05/14/77	30	4485	46.5	102.8	GGG			21	34
08448W	3727N	5810-14290	00000/0000 1-10060/0416	07/07/77	10	5238	45.9	95.4	GGG			21	34
08449W	4142N	5811-14333	00000/0000 1-10060/0527	07/08/77	50	5252	46.0	100.7	GGG			22	31
08450W	4853N	5492-15113	00000/0000 1-10052/0714	08/23/76	40	0804	41.2	127.6	GGGG			24	26
08450W	4848N	5669-14560	00000/0000 1-10056/0015	02/16/77	0	3272	17.6	134.4	GGGG			24	26
08450W	4141N	5793-14352	00000/0000 1-10059/0695	06/20/77	20	5001	47.6	100.7	GGG			22	31
08450W	3726N	5774-14324	00000/0000 1-10059/0329	06/01/77	0	4736	47.7	97.9	GGG			21	34
08450W	3724N	5792-14305	00000/0000 1-10059/0687	06/19/77	80	4987	47.4	95.3	GGG			21	34
08452W	2728N	5754-14260	00000/0000 1-10058/0165	05/12/77	90	4457	45.7	91.6	FGG			19	41
08453W	2726N	5808-14204	00000/0000 1-10060/0264	07/05/77	30	5210	44.1	84.0	FGG			19	41
08456W	4847N	5813-14424	00000/0000 1-10060/0482	07/10/77	20	5280	45.4	109.9	GGG			24	26
08457W	4848N	5795-14443	00000/0000 1-10060/0059	06/22/77	0	5029	47.1	110.0	GGG			24	26
08459W	3147N	5488-14535	00000/0000 1-10052/0634	08/19/76	10	0748	46.7	106.5	GGGG			20	38
08503W	3151N	5470-14552	00000/0000 1-10052/0239	08/01/76	10	0497	49.2	99.5	GGGG			20	38

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
								R8V	MSS				
LONG	LAT	RBV						123	45678				
08503W	3145N	5719-14334	00000/0000	1-10057/0060	04/07/77	0	3969	39.7	109.2	GGG		20	38
08506W	3145N	5755-14302	00000/0000	1-10058/0224	05/13/77	0	4471	46.2	96.2	GGG		20	38
08508W	4440N	5491-15070	00000/0000	1-10052/0681	08/22/76	10	0790	43.1	122.6	GGGG		23	29
08508W	3147N	5773-14284	00000/0000	1-10059/0325	05/31/77	10	4722	47.1	91.1	GGG		20	38
08509W	3601N	5525-14552	00000/0000	1-10053/0556	09/25/76	10	1264	38.1	126.7	GGGG		21	35
08509W	3145N	5809-14250	00000/0000	1-10060/0500	07/06/77	10	5224	45.1	88.7	GGG		20	38
08510W	3605N	5489-14582	00000/0000	1-10052/0657	08/20/76	0	0762	45.9	112.0	GGGG		21	35
08510W	3604N	5507-14565	00000/0000	1-10053/0274	09/07/76	30	1013	42.3	119.5	GGGG		21	35
08511W	4441N	5473-15083	00000/0000	1-10052/0261	08/04/76	50	0539	47.1	117.1	GFFG		23	29
08511W	3606N	5720-14380	00000/0000	1-10057/0076	04/08/77	20	3983	39.2	113.0	GGG		21	35
08511W	3602N	5543-14535	00000/0000	1-10054/0354	10/13/76	10	1515	33.3	133.0	GGGG		21	35
08512W	4436N	5758-14433	00000/0000	1-10058/0307	05/16/77	30	4513	46.1	111.1	GGG		23	29
08514W	4436N	5776-14415	00000/0000	1-10059/0221	06/03/77	10	4764	47.7	106.9	GGG		23	29
08514W	4433N	5794-14400	00000/0000	1-10060/0130	06/21/77	0	5015	47.5	104.3	GGG		23	29
08514W	4021N	5490-15024	00000/0000	1-10052/0696	08/21/76	10	0776	44.7	117.4	GGGG		22	32
08514W	3607N	5471-14595	00000/0000	1-10053/0226	08/02/76	30	0511	48.8	105.5	GGGG		21	35
08514W	3602N	5810-14293	00000/0000	1-10060/0417	07/07/77	10	5238	45.7	93.7	GGG		21	35
08515W	4023N	5508-15011	00000/0000	1-10053/0415	09/08/76	10	1027	40.5	124.2	GGGG		22	32
08515W	4022N	5721-14423	00000/0000	1-10058/0016	04/09/77	20	3997	38.4	116.8	GGG		22	32
08515W	4016N	5544-14581	00000/0000	1-10054/0375	10/14/76	0	1529	30.6	136.2	FGGG		22	32
08515W	3605N	5756-14344	00000/0000	1-10058/0243	05/14/77	40	4485	46.5	101.1	GGG		21	35
08516W	4023N	5472-15041	00000/0000	1-10052/0246	08/03/76	10	0525	48.2	111.3	GGGG		22	32
08516W	4021N	5757-14391	00000/0000	1-10058/0296	05/15/77	0	4499	46.4	106.0	GGG		22	32
08516W	3558N	5792-14312	00000/0000	1-10059/0688	06/19/77	20	4987	47.2	93.5	GGG		21	35
08517W	3600N	5774-14331	00000/0000	1-10059/0330	06/01/77	0	4736	47.6	96.1	GGG		21	35
08518W	4017N	5811-14335	00000/0000	1-10060/0528	07/08/77	30	5252	46.0	99.0	GGG		22	32
08520W	4016N	5793-14354	00000/0000	1-10059/0696	06/20/77	10	5001	47.5	98.8	GGG		22	32
08524W	3021N	5488-14542	00000/0000	1-10052/0635	08/19/76	10	0748	46.9	104.8	GGGG		20	39
08525W	4728N	5510-15102	00000/0000	1-10053/0334	09/10/76	30	1055	36.8	131.7	GGGG		24	27
08526W	4724N	5669-14563	00000/0000	1-10056/0016	02/16/77	10	3272	18.4	133.6	GGGG		24	27
08527W	4728N	5492-15115	00000/0000	1-10052/0715	08/23/76	20	0804	41.8	126.0	GGGG		24	27
08527W	3026N	5470-14555	00000/0000	1-10052/0240	08/01/76	40	0497	49.1	97.7	FGGG		20	39
08528W	3019N	5719-14341	00000/0000	1-10057/0061	04/07/77	0	3969	39.8	107.9	GGG		20	39
08530W	4729N	5759-14482	00000/0000	1-10058/0319	05/17/77	40	4527	45.7	114.5	FGG		24	27
08530W	3019N	5755-14305	00000/0000	1-10058/0225	05/13/77	10	4471	46.1	94.5	GGG		20	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
08532W 4725N	5777-14464	00000/0000	1-10059/0233	06/04/77	90	4778	47.4	110.5	GGG			24	27
08533W 4723N	5813-14430	00000/0000	1-10060/0483	07/10/77	10	5280	45.6	108.1	FGG			24	27
08533W 4722N	5795-14445	00000/0000	1-10060/0060	06/22/77	0	5029	47.3	108.1	FGG			24	27
08533W 3022N	5773-14291	00000/0000	1-10059/0326	05/31/77	10	4722	46.8	89.4	GGG			20	39
08533W 3018N	5809-14253	00000/0000	1-10060/0501	07/06/77	30	5224	44.8	87.1	GGG			20	39
08536W 3440N	5489-14584	00000/0000	1-10052/0658	08/20/76	0	0762	46.2	110.3	GGGG			21	36
08536W 3439N	5507-14571	00000/0000	1-10053/0275	09/07/76	80	1013	42.8	118.0	GGGG			21	36
08536W 3435N	5525-14554	00000/0000	1-10053/0557	09/25/76	10	1264	38.7	125.5	GGGG			21	36
08538W 3439N	5720-14383	00000/0000	1-10057/0077	04/08/77	0	3983	39.4	111.6	GGG			21	36
08538W 3436N	5543-14541	00000/0000	1-10054/0355	10/13/76	10	1515	34.0	132.0	GGGG			21	36
08540W 4314N	5491-15073	00000/0000	1-10052/0682	08/22/76	0	0790	43.6	121.0	GGGG			23	30
08540W 3435N	5810-14295	00000/0000	1-10060/0418	07/07/77	10	5238	45.5	92.1	GGG			21	36
08541W 3439N	5756-14351	00000/0000	1-10058/0244	05/14/77	30	4485	46.5	99.3	GGG			21	36
08542W 4315N	5473-15090	00000/0000	1-10052/0262	08/04/76	40	0539	47.4	115.3	FGGG			23	30
08542W 3856N	5490-15031	00000/0000	1-10052/0697	08/21/76	10	0776	45.1	115.7	GGGG			22	33
08543W 4311N	5758-14440	00000/0000	1-10058/0308	05/16/77	10	4513	46.3	109.3	GGG			23	30
08543W 3858N	5508-15014	00000/0000	1-10053/0416	09/08/76	10	1027	41.1	122.8	GGGG			22	33
08543W 3856N	5721-14425	00000/0000	1-10058/0017	04/09/77	20	3997	38.8	115.4	GGG			22	33
08543W 3435N	5774-14333	00000/0000	1-10059/0331	06/01/77	10	4736	47.5	94.4	GGG			21	36
08543W 3432N	5792-14314	00000/0000	1-10059/0689	06/19/77	10	4987	47.0	91.7	GGG			21	36
08544W 3857N	5472-15044	00000/0000	1-10052/0247	08/03/76	10	0525	48.4	109.5	GGGG			22	33
08544W 3851N	5544-14584	00000/0000	1-10054/0376	10/14/76	0	1529	31.4	135.2	GGGG			22	33
08546W 4311N	5776-14422	00000/0000	1-10059/0222	06/03/77	10	4764	47.8	105.0	FFG			23	30
08546W 4307N	5794-14403	00000/0000	1-10060/0131	06/21/77	10	5015	47.5	102.5	GGG			23	30
08546W 3855N	5757-14393	00000/0000	1-10058/0297	05/15/77	0	4499	46.5	104.2	GGG			22	33
08547W 3852N	5811-14342	00000/0000	1-10060/0529	07/08/77	10	5252	45.8	97.2	GGG			22	33
08548W 3855N	5775-14375	00000/0000	1-10059/0213	06/02/77	10	4750	47.8	99.6	GGG			22	33
08548W 3850N	5793-14361	00000/0000	1-10059/0697	06/20/77	20	5001	47.4	97.0	GGF			22	33
08553W 2852N	5719-14343	00000/0000	1-10057/0062	04/07/77	0	3969	40.1	106.5	GGG			20	40
08554W 2854N	5755-14311	00000/0000	1-10058/0226	05/13/77	10	4471	45.8	92.9	GGG			20	40
08556W 2851N	5809-14255	00000/0000	1-10060/0502	07/06/77	60	5224	44.4	85.6	GGG			20	40
08558W 2857N	5773-14293	00000/0000	1-10059/0327	05/31/77	10	4722	46.5	87.8	GGG			20	40
08600W 4602N	5510-15105	00000/0000	1-10053/0335	09/10/76	20	1055	37.5	130.3	GGFG			24	28
08600W 4600N	5669-14565	00000/0000	1-10056/0017	02/16/77	10	3272	19.1	132.8	GGGG			24	28
08601W 4602N	5492-15122	00000/0000	1-10052/0716	08/23/76	10	0804	42.4	124.5	GGGG			24	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0155

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
08601W	3313N	5507-14574	00000/0000	1-10053/0276	09/07/76	90	1013	43.2	116.5	GGGG			21	37
08602W	3315N	5489-14591	00000/0000	1-10052/0659	08/20/76	10	0762	46.4	108.6	GGGG			21	37
08602W	3309N	5525-14561	00000/0000	1-10053/0558	09/25/76	20	1264	39.3	124.2	GGFG			21	37
08604W	3313N	5720-14385	00000/0000	1-10057/0078	04/08/77	10	3983	39.7	110.3	GGG			21	37
08604W	3311N	5543-14544	00000/0000	1-10054/0356	10/13/76	10	1515	34.8	130.9	GGGG			21	37
08605W	4605N	5759-14485	00000/0000	1-10058/0320	05/17/77	40	4527	46.0	112.7	GGG			24	28
08606W	3308N	5810-14302	00000/0000	1-10060/0419	07/07/77	0	5238	45.3	90.4	GGG			21	37
08607W	4600N	5777-14471	00000/0000	1-10059/0234	05/04/77	70	4778	47.6	108.6	GGG			24	28
08607W	4557N	5795-14452	00000/0000	1-10060/0061	06/22/77	10	5029	47.4	106.2	GGG			24	28
08607W	4557N	5813-14433	00000/0000	1-10060/0484	07/10/77	10	5280	45.7	106.3	GGG			24	28
08607W	3314N	5756-14353	00000/0000	1-10058/0245	05/14/77	50	4485	46.4	97.6	GGG			21	37
08608W	3306N	5792-14321	00000/0000	1-10059/0690	05/19/77	20	4987	46.7	90.0	GGG			21	37
08609W	3731N	5508-15020	00000/0000	1-10053/0417	09/08/76	10	1027	41.6	121.4	GGGG			22	34
08609W	3309N	5774-14340	00000/0000	1-10059/0332	06/01/77	10	4736	47.3	92.6	GGG			21	37
08610W	4148N	5491-15075	00000/0000	1-10052/0683	08/22/76	10	0790	44.1	119.4	GGGG			23	31
08610W	3730N	5490-15033	00000/0000	1-10052/0698	08/21/76	10	0776	45.4	114.1	GGGG			22	34
08611W	4143N	5545-15033	00000/0000	1-10054/0403	10/15/76	0	1543	29.5	137.4	GGGG			23	31
08611W	3730N	5472-15050	00000/0000	1-10052/0248	08/03/76	10	0525	48.6	107.6	GGGG			22	34
08611W	3730N	5721-14432	00000/0000	1-10058/0018	04/09/77	10	3997	39.1	114.0	GGG			22	34
08612W	4150N	5473-15092	00000/0000	1-10052/0263	08/04/76	20	0539	47.9	113.5	GFGG			23	31
08612W	3725N	5544-14590	00000/0000	1-10054/0377	10/14/76	0	1529	32.2	134.2	GGGG			22	34
08613W	4146N	5758-14442	00000/0000	1-10058/0309	05/16/77	10	4513	46.4	107.5	GGG			23	31
08614W	3727N	5811-14344	00000/0000	1-10060/0530	07/08/77	0	5252	45.7	95.5	GGG			22	34
08615W	3728N	5757-14400	00000/0000	1-10058/0298	05/15/77	0	4499	46.6	102.5	GGG			22	34
08615W	3725N	5793-14363	00000/0000	1-10059/0698	06/20/77	60	5001	47.3	95.2	GGG			22	34
08616W	4853N	5493-15171	00000/0000	1-10052/0609	08/24/76	0	0818	41.0	127.9	GGGG			25	26
08616W	4141N	5794-14405	00000/0000	1-10060/0132	06/21/77	10	5015	47.5	100.6	GGG			23	31
08616W	3729N	5775-14382	00000/0000	1-10059/0214	06/02/77	10	4750	47.7	97.8	GGG			22	34
08617W	4856N	5511-15154	00000/0000	1-10053/0304	09/11/76	10	1069	35.8	133.3	GGGG			25	26
08617W	4852N	5475-15184	00000/0000	1-10052/0308	08/06/76	10	0567	45.4	123.0	GGGG			25	26
08617W	4848N	5529-15141	00000/0000	1-10054/0097	09/29/76	60	1320	30.3	138.3	GGGG			25	26
08617W	4146N	5776-14424	00000/0000	1-10059/0223	06/03/77	10	4764	47.8	103.1	GGG			23	31
08618W	2724N	5809-14262	00000/0000	1-10060/0503	07/06/77	30	5224	44.0	84.1	GGG			20	41
08621W	2731N	5773-14300	00000/0000	1-10059/0328	05/31/77	20	4722	46.2	86.1	FGG			20	41
08622W	4854N	5778-14515	00000/0000	1-10059/0395	06/05/77	90	4792	47.3	112.3	GFG			25	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
08623W	4848N	5796-14501	00000/0000	1-10060/0056	06/23/77	80	5043	47.1	110.0	GGG			25	26
08627W	3150N	5489-14593	00000/0000	1-10052/0660	08/20/76	0	0762	46.6	106.9	GGGG			21	38
08629W	3147N	5720-14392	00000/0000	1-10057/0079	04/08/77	0	3983	39.9	108.9	GGG			21	38
08629W	3146N	5543-14550	00000/0000	1-10054/0357	10/13/76	20	1515	35.5	129.9	GGFG			21	38
08632W	3142N	5810-14304	00000/0000	1-10060/0420	07/07/77	10	5238	45.0	88.8	GGG			21	38
08633W	4437N	5510-15111	00000/0000	1-10053/0336	09/10/76	20	1055	38.2	129.0	FGGG			24	29
08633W	4434N	5669-14572	00000/0000	1-10056/0018	02/16/77	10	3272	19.8	132.1	GGGG			24	29
08633W	3149N	5756-14360	00000/0000	1-10058/0246	05/14/77	10	4485	46.3	95.9	GGG			21	38
08634W	4437N	5492-15124	00000/0000	1-10052/0717	08/23/76	0	0804	42.9	122.9	GGGG			24	29
08634W	3143N	5774-14342	00000/0000	1-10059/0333	06/01/77	20	4736	47.1	90.9	GGG			21	38
08634W	3141N	5792-14323	00000/0000	1-10059/0691	06/19/77	10	4987	46.5	88.4	GGG			21	38
08636W	4432N	5546-15082	00000/0000	1-10058/0397	10/16/76	70	1557	27.5	139.5	GGGG			24	29
08636W	3601N	5667-14483	00000/0000	1-10055/0114	02/14/77	60	3244	23.4	128.0	GGG			22	35
08637W	3605N	5490-15040	00000/0000	1-10052/0699	08/21/76	30	0776	45.7	112.4	GGGG			22	35
08637W	3605N	5721-14494	00000/0000	1-10058/0019	04/09/77	10	3997	39.4	112.7	GGG			22	35
08638W	4440N	5759-14491	00000/0000	1-10058/0321	05/17/77	80	4527	46.2	110.9	GGG			24	29
08639W	4432N	5813-14435	00000/0000	1-10060/0485	07/10/77	70	5280	45.7	104.5	GGG			24	29
08639W	4023N	5491-15082	00000/0000	1-10052/0684	08/22/76	10	0790	44.5	117.8	GGGG			23	32
08639W	3604N	5472-15053	00000/0000	1-10052/0249	08/03/76	10	0525	48.7	105.7	GGGG			22	35
08639W	3600N	5544-14593	00000/0000	1-10054/0378	10/14/76	0	1529	33.0	133.3	GGGG			22	35
08640W	4434N	5777-14473	00000/0000	1-10059/0235	06/04/77	60	4778	47.7	106.6	GGG			24	29
08640W	4432N	5795-14454	00000/0000	1-10060/0062	06/22/77	10	5029	47.4	104.3	GGG			24	29
08640W	3601N	5811-14351	00000/0000	1-10060/0531	07/08/77	0	5252	45.6	93.8	GGG			22	35
08641W	4018N	5545-15035	00000/0000	1-10054/0404	10/15/76	10	1543	30.3	136.5	GGGG			23	32
08642W	4024N	5473-15095	00000/0000	1-10052/0264	08/04/76	20	0539	48.0	111.6	GGGG			23	32
08642W	3603N	5757-14402	00000/0000	1-10058/0299	05/15/77	10	4499	46.6	100.7	GGG			22	35
08642W	3600N	5793-14370	00000/0000	1-10059/0699	06/20/77	80	5001	47.1	93.4	GGG			22	35
08643W	4021N	5758-14445	00000/0000	1-10058/0310	05/16/77	10	4513	46.6	105.7	GGG			23	32
08646W	4016N	5794-14412	00000/0000	1-10060/0133	06/21/77	20	5015	47.5	98.7	GGG			23	32
08647W	4020N	5776-14431	00000/0000	1-10059/0224	06/03/77	10	4764	47.8	101.2	GGG			23	32
08652W	4728N	5475-15190	00000/0000	1-10052/0309	08/06/76	10	0567	45.8	121.3	GGGG			25	27
08652W	4728N	5493-15173	00000/0000	1-10052/0610	08/24/76	0	0818	41.6	126.4	GGGG			25	27
08652W	4723N	5529-15144	00000/0000	1-10054/0098	09/29/76	50	1320	31.1	137.2	GGGG			25	27
08652W	3024N	5489-15000	00000/0000	1-10052/0661	08/20/76	10	0762	46.7	105.2	GGGG			21	39
08653W	4730N	5511-15160	00000/0000	1-10053/0305	09/11/76	0	1069	36.6	132.0	GGGG			25	27

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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
08654W 4723N	5547-15131	00000/0000 1-10054/0431	10/17/76	80	1571	25.4	141.5	GGGG			25	27
08654W 3021N	5720-14394	00000/0000 1-10057/0080	04/08/77	0	3983	40.1	107.5	GGG			21	39
08654W 3020N	5543-14553	00000/0000 1-10054/0358	10/13/76	40	1515	36.2	128.8	GGGG			21	39
08657W 3024N	5756-14362	00000/0000 1-10058/0247	05/14/77	10	4485	46.2	94.2	FGG			21	39
08658W 4728N	5778-14522	00000/0000 1-10059/0396	06/05/77	90	4792	47.5	110.3	GGG			25	27
08658W 3016N	5810-14311	00000/0000 1-10060/0421	07/07/77	10	5238	44.7	87.2	GGG			21	39
08659W 4723N	5796-14503	00000/0000 1-10060/0057	06/23/77	100	5043	47.2	108.0	GGG			25	27
08659W 3017N	5774-14345	00000/0000 1-10059/0334	06/01/77	40	4736	46.8	89.2	GGG			21	39
08659W 3016N	5792-14330	00000/0000 1-10059/0692	06/19/77	30	4987	46.1	86.7	GGG			21	39
08702W 3435N	5667-14490	00000/0000 1-10055/0115	02/14/77	10	3244	24.1	127.2	FGGG			22	36
08703W 3439N	5490-15042	00000/0000 1-10052/0700	08/21/76	10	0776	46.0	110.7	GGGG			22	36
08704W 3438N	5721-14441	00000/0000 1-10058/0020	04/09/77	10	3997	39.7	111.3	GGG			22	36
08705W 4313N	5510-15114	00000/0000 1-10053/0337	09/10/76	20	1055	38.8	127.7	GGFG			24	30
08705W 4309N	5669-14574	00000/0000 1-10056/0019	02/16/77	10	3272	20.5	131.3	GGGG			24	30
08706W 4312N	5492-15131	00000/0000 1-10052/0718	08/23/76	20	0804	43.4	121.3	FGGG			24	30
08706W 3439N	5472-15055	00000/0000 1-10052/0250	08/03/76	10	0525	48.8	103.9	GGGG			22	36
08706W 3434N	5544-14595	00000/0000 1-10054/0379	10/14/76	0	1529	33.8	132.2	GGGG			22	36
08707W 3857N	5491-15084	00000/0000 1-10052/0685	08/22/76	40	0790	44.0	116.1	GGGG			23	33
08707W 3435N	5811-14353	00000/0000 1-10060/0532	07/08/77	0	5252	45.4	92.2	GGG			22	36
08708W 4306N	5546-15084	00000/0000 1-10054/0398	10/16/76	70	1557	28.3	138.5	GGGG			24	30
08708W 3438N	5757-14405	00000/0000 1-10058/0300	05/15/77	10	4499	46.6	99.0	GGG			22	36
08708W 3434N	5793-14372	00000/0000 1-10059/0700	06/20/77	30	5001	46.9	91.7	GGF			22	36
08709W 3853N	5545-15042	00000/0000 1-10054/0405	10/15/76	10	1543	31.1	135.5	GGGG			23	33
08710W 4314N	5759-14494	00000/0000 1-10058/0322	05/17/77	70	4527	46.4	109.1	GGG			24	30
08711W 4307N	5813-14442	00000/0000 1-10060/0486	07/10/77	30	5280	45.8	102.7	GGG			24	30
08711W 3858N	5473-15101	00000/0000 1-10052/0265	08/04/76	20	0539	48.3	109.8	FGGG			23	33
08712W 4309N	5777-14480	00000/0000 1-10059/0236	06/04/77	70	4778	47.8	104.7	GGG			24	30
08712W 4307N	5795-14461	00000/0000 1-10060/0063	06/22/77	10	5029	47.5	102.4	GGG			24	30
08713W 3855N	5758-14451	00000/0000 1-10058/0311	05/16/77	20	4513	46.7	103.9	GGG			23	33
08714W 3850N	5794-14414	00000/0000 1-10060/0134	06/21/77	30	5015	47.4	96.9	GGG			23	33
08715W 3854N	5776-14433	00000/0000 1-10059/0225	06/03/77	0	4764	47.8	99.4	GGG			23	33
08717W 2858N	5489-15002	00000/0000 1-10052/0662	08/20/76	20	0762	46.8	103.5	GGGG			21	40
08718W 2855N	5720-14401	00000/0000 1-10057/0081	04/08/77	0	3983	40.3	106.1	GGG			21	40
08721W 2859N	5756-14365	00000/0000 1-10058/0248	05/14/77	10	4485	46.0	92.6	FGG			21	40
08722W 2850N	5810-14313	00000/0000 1-10060/0422	07/07/77	10	5238	44.3	85.7	GGG			21	40

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
08723W	2851N	5774-14351	00000/0000	1-10059/0335	06/01/77	30	4736	46.5	87.5		GGG			21	40
08724W	2851N	5792-14332	00000/0000	1-10059/0693	06/19/77	10	4987	45.8	85.1		GGG			21	40
08725W	4558N	5529-15150	00000/0000	1-10054/0099	09/29/76	10	1320	31.9	136.1		FGGG			25	28
08726W	4604N	5475-15193	00000/0000	1-10052/0310	08/06/76	10	0567	46.3	119.5		GGGG			25	28
08727W	4603N	5493-15180	00000/0000	1-10052/0611	08/24/76	0	0818	42.1	124.8		GGGG			25	28
08727W	3309N	5667-14492	00000/0000	1-10055/0116	02/14/77	0	3244	24.7	126.5		FGGG			22	37
08728W	4605N	5511-15163	00000/0000	1-10053/0306	09/11/76	0	1069	37.3	130.7		FGGG			25	28
08729W	4558N	5547-15133	00000/0000	1-10054/0432	10/17/76	60	1571	26.3	140.6		GGGG			25	28
08729W	3314N	5490-15045	00000/0000	1-10052/0701	08/21/76	10	0776	46.2	109.1		GGGG			22	37
08731W	3312N	5721-14443	00000/0000	1-10058/0021	04/09/77	0	3997	40.0	109.9		GGG			22	37
08732W	4602N	5778-14524	00000/0000	1-10059/0397	06/05/77	90	4792	47.6	108.4		GGG			25	28
08732W	3314N	5472-15062	00000/0000	1-10052/0251	08/03/76	10	0525	48.9	102.0		GGGG			22	37
08732W	3309N	5544-15002	00000/0000	1-10054/0380	10/14/76	0	1529	34.5	131.2		GGGG			22	37
08733W	4558N	5796-14510	00000/0000	1-10060/0058	06/29/77	100	5043	47.3	106.1		GGG			25	28
08734W	3314N	5757-14411	00000/0000	1-10058/0301	05/15/77	10	4499	46.5	97.3		GGG			22	37
08734W	3309N	5811-14360	00000/0000	1-10060/0533	07/08/77	0	5252	45.2	90.5		GGG			22	37
08735W	4147N	5510-15120	00000/0000	1-10053/0338	09/10/76	10	1055	39.5	126.3		GGGG			24	31
08735W	4143N	5669-14581	00000/0000	1-10056/0020	02/16/77	10	3272	21.2	130.6		GGGG			24	31
08735W	3732N	5491-15091	00000/0000	1-10052/0686	08/22/76	50	0790	45.2	114.5		GGGG			23	34
08735W	3308N	5793-14375	00000/0000	1-10059/0701	06/20/77	10	5001	46.7	90.0		GGG			22	37
08737W	4147N	5492-15133	00000/0000	1-10052/0719	08/23/76	70	0804	43.9	119.7		GFGG			24	31
08737W	3728N	5545-15044	00000/0000	1-10054/0406	10/15/76	20	1543	31.9	134.5		GGGG			23	34
08739W	4140N	5546-15091	00000/0000	1-10054/0399	10/16/76	40	1557	29.2	137.6		GGGG			24	31
08739W	3732N	5473-15104	00000/0000	1-10052/0266	08/04/76	30	0539	48.4	107.9		GFGG			23	34
08740W	4148N	5759-14500	00000/0000	1-10058/0323	05/17/77	30	4527	46.6	107.3		GGG			24	31
08740W	2731N	5489-15005	00000/0000	1-10052/0663	08/20/76	20	0762	46.8	101.8		GGGG			21	41
08741W	4854N	5476-15242	00000/0000	1-10052/0318	08/07/76	0	0581	45.2	123.3		GGGG			26	26
08741W	4142N	5813-14444	00000/0000	1-10060/0487	07/10/77	10	5280	45.8	100.9		GGG			24	31
08741W	3729N	5758-14454	00000/0000	1-10058/0312	05/16/77	10	4513	46.7	102.2		GGG			23	34
08742W	4854N	5494-15225	00000/0000	1-10052/0729	08/25/76	20	0832	40.7	128.2		GGGG			26	26
08742W	3725N	5794-14421	00000/0000	1-10060/0135	06/21/77	10	5015	47.2	95.1		GGG			23	34
08743W	4144N	5777-14482	00000/0000	1-10059/0237	06/04/77	20	4778	47.9	102.9		GGG			24	31
08743W	4142N	5795-14463	00000/0000	1-10060/0064	06/22/77	60	5029	47.5	100.5		GGG			24	31
08743W	3728N	5776-14440	00000/0000	1-10059/0226	06/03/77	0	4764	47.7	97.5		GGG			23	34
08744W	4852N	5530-15195	00000/0000	1-10054/0057	09/30/76	20	1334	29.9	138.6		GGGG			26	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0159

PRINCIPAL PRINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
08745W 4854N	5512-15212	00000/0000	1-10053/0349	09/12/76	30	1083	35.6	133.5		GGGG			26	26
08745W 2732N	5756-14371	00000/0000	1-10058/0249	05/14/77	10	4485	45.8	91.0		GGG			21	41
08745W 2725N	5810-14320	00000/0000	1-10060/0423	07/07/77	20	5238	43.9	84.2		GGG			21	41
08747W 2725N	5792-14335	00000/0000	1-10059/0694	06/19/77	10	4987	45.4	83.5		GGG			21	41
08753W 3143N	5667-14495	00000/0000	1-10055/0117	02/14/77	0	3244	25.3	125.7		GGG			22	38
08754W 3148N	5490-15051	00000/0000	1-10052/0702	08/21/76	10	0776	46.4	107.4		GGGG			22	38
08756W 4434N	5529-15153	00000/0000	1-10054/0100	09/29/76	10	1320	32.7	135.0		FGGG			25	29
08756W 3145N	5721-14450	00000/0000	1-10058/0022	04/09/77	0	3997	40.2	108.5		GGG			22	38
08757W 3148N	5472-15064	00000/0000	1-10052/0252	08/03/76	10	0525	48.8	100.2		GGGG			22	38
08757W 3144N	5544-15004	00000/0000	1-10054/0381	10/14/76	0	1529	35.3	130.2		GGGG			22	38
08759W 4438N	5475-15135	00000/0000	1-10052/0311	08/06/76	30	0567	46.7	117.7		GGGG			25	29
08759W 3149N	5757-14414	00000/0000	1-10058/0302	05/15/77	10	4499	46.4	95.6		GGG			22	38
08759W 3144N	5811-14362	00000/0000	1-10060/0534	07/08/77	10	5252	44.9	88.9		GGG			22	38
08800W 4440N	5511-15165	00000/0000	1-10053/0307	09/11/76	0	1069	37.9	129.4		GGGG			25	29
08800W 4438N	5493-15182	00000/0000	1-10052/0612	08/24/76	0	0818	42.7	123.2		GGGG			25	29
08800W 3142N	5793-14381	00000/0000	1-10059/0702	06/20/77	10	5001	46.4	88.3		GGG			22	38
08802W 3606N	5491-15093	00000/0000	1-10052/0687	08/22/76	70	0790	45.5	112.8		GGGG			23	35
08802W 3148N	5775-14400	00000/0000	1-10059/0215	06/02/77	10	4750	47.1	90.7		GGG			22	38
08803W 4433N	5547-15140	00000/0000	1-10054/0433	10/17/76	20	1571	27.1	139.7		GGGG			25	29
08804W 4021N	5510-15123	00000/0000	1-10053/0339	09/10/76	0	1055	40.0	124.9		GGGG			24	32
08805W 4436N	5778-14531	00000/0000	1-10059/0398	06/05/77	40	4792	47.8	106.5		GFG			25	29
08805W 4432N	5814-14493	00000/0000	1-10060/0756	07/11/77	40	5294	45.6	104.6		GGG			25	29
08805W 4025N	5474-15153	00000/0000	1-10052/0286	08/05/76	50	0553	47.4	112.0		GFGG			24	32
08805W 4018N	5669-14583	00000/0000	1-10056/0021	02/16/77	10	3272	21.8	129.8		GGGG			24	32
08805W 3602N	5545-15051	00000/0000	1-10054/0407	10/15/76	10	1543	32.7	133.6		GGGG			23	35
08806W 3607N	5473-15110	00000/0000	1-10052/0267	08/04/76	20	0539	48.6	106.1		GFGG			23	35
08807W 4021N	5492-15140	00000/0000	1-10052/0720	08/23/76	80	0804	44.3	118.1		GGGG			24	32
08808W 3603N	5758-14460	00000/0000	1-10058/0313	05/16/77	10	4513	46.7	100.4		GGG			23	35
08809W 4022N	5759-14503	00000/0000	1-10058/0324	05/17/77	20	4527	46.7	105.5		GGG			24	32
08809W 4014N	5546-15093	00000/0000	1-10054/0400	10/16/76	10	1557	30.0	136.7		GGGG			24	32
08809W 3600N	5794-14423	00000/0000	1-10060/0136	06/21/77	10	5015	47.1	93.4		GGG			23	35
08811W 4016N	5813-14451	00000/0000	1-10060/0488	07/10/77	10	5280	45.7	99.2		GGG			24	32
08811W 3603N	5776-14442	00000/0000	1-10059/0227	06/03/77	0	4764	47.6	95.7		GGG			23	35
08812W 4016N	5795-14470	00000/0000	1-10060/0065	06/22/77	80	5029	47.4	98.7		FFG			24	32
08813W 4018N	5777-14485	00000/0000	1-10059/0238	06/04/77	10	4778	47.8	101.0		GGG			24	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
08817W	3018N	5667-14501	00000/0000	1-10055/0118	02/14/77	0	3244	26.0	124.9		GGG			22	39
08818W	4729N	5476-15244	00000/0000	1-10052/0319	08/07/76	0	0581	45.6	121.5		GGGG			26	27
08818W	4729N	5494-15231	00000/0000	1-10052/0730	08/25/76	30	0832	41.3	126.7		GGGG			26	27
08818W	3022N	5490-15054	00000/0000	1-10052/0703	08/21/76	20	0776	46.6	105.7		GGGG			22	39
08819W	4727N	5530-15201	00000/0000	1-10054/0058	09/30/76	10	1334	30.8	137.5		GGGG			26	27
08820W	3019N	5721-14452	00000/0000	1-10058/0023	04/09/77	10	3997	40.4	107.1		GGG			22	39
08821W	4729N	5512-15214	00000/0000	1-10053/0350	09/12/76	20	1083	36.3	132.3		GGGG			26	27
08821W	3018N	5544-15011	00000/0000	1-10054/0382	10/14/76	10	1529	36.0	129.1		GGGG			22	39
08822W	3022N	5472-15071	00000/0000	1-10052/0253	08/03/76	10	0525	48.9	98.3		GGGG			22	39
08823W	3023N	5757-14420	00000/0000	1-10058/0303	05/15/77	10	4499	46.3	93.9		GGG			22	39
08823W	3018N	5811-14365	00000/0000	1-10060/0535	07/08/77	10	5252	44.6	87.4		GGG			22	39
08824W	4723N	5815-14542	00000/0000	1-10060/0699	07/12/77	40	5308	45.3	108.3		GGG			26	27
08825W	3017N	5793-14384	00000/0000	1-10059/0703	06/20/77	40	5001	46.1	86.7		GGG			22	39
08826W	4310N	5529-15155	00000/0000	1-10054/0101	09/29/76	10	1320	33.5	133.9		FGGG			25	30
08827W	3440N	5491-15100	00000/0000	1-10052/0688	08/22/76	30	0790	45.8	111.2		GFGG			23	36
08827W	3022N	5775-14402	00000/0000	1-10059/0216	06/02/77	10	4750	46.8	89.0		GGG			22	39
08831W	4313N	5511-15172	00000/0000	1-10053/0308	09/11/76	0	1069	38.6	128.0		GGGG			25	30
08831W	4312N	5475-15202	00000/0000	1-10052/0312	08/06/76	60	0567	47.1	115.9		GGGG			25	30
08831W	4312N	5493-15185	00000/0000	1-10052/0613	08/24/76	10	0818	43.2	121.7		GGGG			25	30
08832W	3855N	5510-15125	00000/0000	1-10053/0340	09/10/76	0	1055	40.6	123.6		GGFG			24	33
08832W	3852N	5669-14590	00000/0000	1-10056/0022	02/16/77	0	3272	22.6	129.0		FGGG			24	33
08832W	3442N	5473-15113	00000/0000	1-10052/0268	08/04/76	30	0539	48.7	104.2		GGGG			23	36
08832W	3436N	5445-15053	00000/0000	1-10054/0408	10/15/76	60	1543	33.5	132.6		GGGG			23	36
08834W	3859N	5474-15155	00000/0000	1-10052/0285	08/05/76	40	0553	48.1	110.1		GGG			24	33
08835W	4308N	5547-15142	00000/0000	1-10054/0434	10/17/76	10	1571	28.0	138.8		GGGG			25	30
08835W	3855N	5492-15142	00000/0000	1-10052/0721	08/23/76	80	0804	44.9	116.5		GGGG			24	33
08835W	3437N	5758-14463	00000/0000	1-10058/0314	05/16/77	10	4513	46.7	98.7		GGG			23	36
08835W	3434N	5794-14430	00000/0000	1-10060/0137	06/21/77	10	5015	46.9	91.6		GGG			23	36
08837W	4310N	5778-14533	00000/0000	1-10059/0399	06/05/77	60	4792	47.8	104.6		GGG			25	30
08837W	3437N	5776-14445	00000/0000	1-10059/0228	06/03/77	10	4764	47.5	94.0		GGG			23	36
08838W	3856N	5759-14505	00000/0000	1-10058/0325	05/17/77	30	4527	46.8	103.7		GGG			24	33
08838W	3848N	5546-15100	00000/0000	1-10054/0401	10/16/76	10	1557	30.9	135.7		GGGG			24	33
08839W	3851N	5813-14453	00000/0000	1-10060/0489	07/10/77	50	5280	45.6	97.4		GGG			24	33
08841W	3851N	5795-14472	00000/0000	1-10060/0066	06/22/77	80	5029	47.3	96.9		FGG			24	33
08842W	3853N	5777-14491	00000/0000	1-10059/0239	06/04/77	10	4778	47.8	99.1		GGG			24	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV;	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
08842W	2856N	5490-15060	00000/0000	1-10052/0704	08/21/76	30	0776	46.7	104.0	GGGG			22	40
08844W	2853N	5721-14455	00000/0000	1-10058/0024	04/09/77	10	3997	40.5	105.7	GGG			22	40
08844W	2851N	5544-15013	00000/0000	1-10054/0383	10/14/76	40	1529	36.7	128.0	GGGG			22	40
08846W	2855N	5757-14423	00000/0000	1-10058/0304	05/15/77	10	4499	46.1	92.2	GGG			22	40
08846W	2853N	5811-14371	00000/0000	1-10060/0536	07/08/77	10	5252	44.8	85.8	GGG			22	40
08847W	2856N	5472-15073	00000/0000	1-10052/0254	08/03/76	90	0525	48.8	96.5	GGGG			22	40
08850W	2857N	5775-14405	00000/0000	1-10059/0217	06/02/77	10	4750	46.5	87.4	GGG			22	40
08850W	2852N	5793-14390	00000/0000	1-10059/0704	06/20/77	30	5001	45.7	85.1	GGG			22	40
08851W	4602N	5530-15204	00000/0000	1-10054/0059	09/30/76	0	1334	31.6	136.4	GGGG			26	28
08853W	4604N	5494-15234	00000/0000	1-10052/0731	08/25/76	10	0832	41.9	125.1	GGGG			26	28
08853W	4603N	5476-15251	00000/0000	1-10052/0320	08/07/76	0	0581	46.1	119.8	GGGG			26	28
08853W	3315N	5491-15102	00000/0000	1-10059/0704	08/22/76	50	0790	46.1	109.5	GGGG			23	37
08855W	4602N	5512-15221	00000/0000	1-10053/0351	09/12/76	10	1083	37.0	131.0	GGGG			26	28
08857W	4144N	5529-15162	00000/0000	1-10054/0102	09/29/76	50	1320	34.2	132.8	FGGG			25	31
08857W	3317N	5473-15115	00000/0000	1-10052/0269	08/04/76	30	0539	48.8	102.4	GGGG			23	37
08857W	3309N	5545-15060	00000/0000	1-10054/0409	10/15/76	50	1543	34.3	131.5	GGGG			23	37
08858W	4558N	5815-14544	00000/0000	1-10060/0700	07/12/77	40	5308	45.4	106.4	GGG			26	28
08858W	3308N	5812-14413	00000/0000	1-10060/0478	07/09/77	10	5266	45.1	90.7	FGG			23	37
08859W	3728N	5669-14592	00000/0000	1-10056/0023	02/16/77	0	3272	23.3	128.3	GGGG			24	34
08900W	3730N	5510-15132	00000/0000	1-10053/0341	09/10/76	0	1055	41.1	122.2	GGGG			24	34
08901W	4146N	5511-15174	00000/0000	1-10053/0309	09/11/76	0	1069	39.2	126.7	GGGG			25	31
08901W	3311N	5758-14465	00000/0000	1-10058/0315	05/16/77	10	4513	46.6	96.9	GGG			23	37
08901W	3309N	5794-14432	00000/0000	1-10060/0138	06/21/77	10	5015	46.6	89.9	GGG			23	37
08902W	4147N	5493-15191	00000/0000	1-10052/0614	08/24/76	30	0818	43.6	120.1	GGGG			25	31
08902W	4146N	5475-15204	00000/0000	1-10052/0313	08/06/76	80	0567	47.4	114.0	GGGG			25	31
08902W	4144N	5670-15035	00000/0000	1-10055/0246	02/17/77	60	3286	21.5	130.3	GGFG			25	31
08902W	3732N	5474-15162	00000/0000	1-10052/0287	08/05/76	30	0553	48.3	108.3	FGGG			24	34
08902W	3730N	5492-15145	00000/0000	1-10052/0722	08/23/76	40	0804	45.0	114.8	GGGG			24	34
08903W	3312N	5776-14451	00000/0000	1-10059/0229	06/03/77	10	4764	47.3	92.2	GGG			23	37
08904W	3723N	5546-15102	00000/0000	1-10054/0402	10/16/76	60	1557	31.7	134.8	GGGG			24	34
08905W	3731N	5759-14512	00000/0000	1-10058/0326	05/17/77	20	4527	46.8	101.9	GGG			24	34
08906W	4856N	5477-15300	00000/0000	1-10052/0344	08/08/76	40	0595	44.9	123.6	GGGG			27	26
08906W	3725N	5813-14460	00000/0000	1-10060/0490	07/10/77	80	5280	45.5	95.7	GGG			24	34
08906W	2730N	5490-15063	00000/0000	1-10052/0705	08/21/76	60	0776	46.8	102.3	GGGG			22	41
08907W	4143N	5547-15145	00000/0000	1-10054/0435	10/17/76	10	1571	28.9	137.9	GGGG			25	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY (BLANKS)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
08908W 4145N	5778-14540	00000/0000	1-10059/0400	06/05/77	70	4792	47.9	102.7	GGG			25	31
08908W 3725N	5795-14475	00000/0000	1-10060/0067	06/22/77	70	5029	47.2	95.1	QFG			24	34
08908W 2727N	5721-14461	00000/0000	1-10058/0025	04/09/77	10	3997	40.7	104.4	GGG			22	41
08909W 2728N	5757-14425	00000/0000	1-10058/0305	05/15/77	10	4499	45.9	90.6	GGG			22	41
08910W 3728N	5777-14494	00000/0000	1-10059/0240	06/04/77	10	4778	47.8	97.3	GGG			24	34
08910W 2730N	5472-15080	00000/0000	1-10052/0255	08/03/76	40	0525	48.7	94.7	GGGG			22	41
08910W 2726N	5811-14374	00000/0000	1-10060/0537	07/08/77	10	5252	43.9	84.3	GGG			22	41
08911W 4854N	5513-15270	00000/0000	1-10053/0367	09/13/76	90	1097	35.3	133.9	GGGG			27	26
08913W 2726N	5793-14393	00000/0000	1-10059/0705	06/20/77	10	5001	45.3	83.5	GGG			22	41
08914W 4848N	5816-14593	00000/0000	1-10060/0724	07/13/77	10	5322	45.0	110.2	GGG			27	26
08915W 4846N	5798-15012	00000/0000	1-10060/0203	06/25/77	0	5071	46.9	109.9	GGG			27	26
08922W 3151N	5473-15122	00000/0000	1-10052/0270	08/04/76	20	0539	48.8	100.6	GGGG			23	38
08922W 3143N	5545-15062	00000/0000	1-10054/0410	10/15/76	30	1543	35.0	130.5	GGGF			23	38
08923W 4436N	5530-15210	00000/0000	1-10054/0060	09/30/76	0	1334	32.4	135.3	GGGG			26	29
08923W 3143N	5812-14420	00000/0000	1-10060/0479	07/09/77	40	5266	44.8	89.1	GGG			23	38
08925W 3145N	5758-14472	00000/0000	1-10058/0316	05/16/77	10	4513	46.5	95.2	GGG			23	38
08926W 4439N	5494-15240	00000/0000	1-10052/0732	08/25/76	30	0832	42.4	123.6	GGGG			26	29
08926W 4438N	5476-15253	00000/0000	1-10052/0321	08/07/76	10	0581	46.5	118.0	GGGG			26	29
08926W 3602N	5669-14595	00000/0000	1-10056/0024	02/16/77	10	3272	23.9	127.5	QFGG			24	35
08926W 3144N	5794-14435	00000/0000	1-10060/0139	06/21/77	0	5015	46.9	88.3	GGG			23	38
08927W 4435N	5512-15223	00000/0000	1-10053/0352	09/12/76	10	1083	37.2	129.7	GGGG			26	29
08927W 3604N	5510-15134	00000/0000	1-10053/0342	09/10/76	0	1055	41.7	120.7	GGGG			24	35
08928W 4018N	5529-15164	00000/0000	1-10054/0103	09/29/76	90	1320	34.9	131.7	GGGG			25	32
08928W 3145N	5776-14454	00000/0000	1-10059/0230	06/03/77	10	4764	47.1	90.5	GGG			23	38
08929W 3606N	5474-15164	00000/0000	1-10052/0288	08/05/76	30	0553	48.4	106.4	QFGG			24	35
08929W 3603N	5492-15151	00000/0000	1-10052/0723	08/23/76	10	0804	45.4	113.2	GGGG			24	35
08930W 4022N	5493-15194	00000/0000	1-10052/0615	08/24/76	70	0818	44.1	118.5	GGGG			25	32
08931W 4433N	5815-14551	00000/0000	1-10060/0701	07/12/77	10	5308	45.5	104.7	GGG			26	29
08931W 4020N	5475-15211	00000/0000	1-10052/0314	08/06/76	90	0567	47.7	112.2	GGGG			25	32
08931W 4020N	5511-15181	00000/0000	1-10053/0310	09/11/76	0	1069	39.8	125.3	GGGG			25	32
08931W 4018N	5670-15041	00000/0000	1-10055/0247	02/17/77	30	3286	22.2	129.6	GGGG			25	32
08932W 3605N	5759-14514	00000/0000	1-10058/0327	05/17/77	20	4527	46.8	100.1	GGG			24	35
08934W 3600N	5795-14481	00000/0000	1-10060/0068	06/22/77	40	5029	47.0	93.3	GGG			24	35
08937W 4020N	5778-14542	00000/0000	1-10059/0401	06/05/77	50	4792	47.0	100.9	GGG			25	32
08937W 4018N	5547-15151	00000/0000	1-10054/0436	10/17/76	10	1571	29.7	137.0	GGGG			25	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT									123 45678				
08937W	3602N	5777-14500	00000/0000	1-10059/0241	06/04/77	10	4778	47.6	95.5	GGG			24	35
08943W	4730N	5477-15302	00000/0000	1-10052/0345	08/08/76	0	0595	45.4	121.8	GGGG			27	27
08945W	3017N	5545-15065	00000/0000	1-10054/0411	10/15/76	20	1543	35.7	129.5	GGGG			23	39
08946W	3023N	5473-15124	00000/0000	1-10052/0271	08/04/76	30	0539	48.8	98.7	GGGG			23	39
08947W	4729N	5513-15272	00000/0000	1-10053/0368	09/13/76	50	1097	36.0	132.6	GGGG			27	27
08947W	3017N	5812-14422	00000/0000	1-10060/0480	07/09/77	40	5266	44.5	87.5	GGG			23	39
08949W	4724N	5816-15000	00000/0000	1-10060/0725	07/13/77	10	5322	45.1	108.3	GGG			27	27
08949W	3019N	5758-14474	00000/0000	1-10058/0317	05/16/77	10	4513	46.3	93.5	GGG			23	39
08950W	3019N	5794-14441	00000/0000	1-10060/0140	06/21/77	10	5015	46.0	86.6	GGG			23	39
08951W	4722N	5798-15015	00000/0000	1-10060/0204	06/25/77	10	5071	47.1	107.9	GGF			27	27
08952W	3019N	5776-14460	00000/0000	1-10059/0231	06/03/77	10	4764	46.8	88.8	GGG			23	39
08954W	3438N	5510-15141	00000/0000	1-10053/0343	09/10/76	20	1055	42.2	119.3	GGGG			24	36
08954W	3435N	5669-15001	00000/0000	1-10056/0025	02/16/77	0	3272	24.6	126.7	GGGG			24	36
08955W	4311N	5530-15213	00000/0000	1-10054/0061	09/30/76	0	1334	33.1	134.3	GGGG			26	30
08955W	3437N	5492-15154	00000/0000	1-10052/0724	08/23/76	10	0804	45.7	111.6	FFFF			24	36
08956W	3440N	5474-15171	00000/0000	1-10052/0289	08/05/76	10	0553	48.6	104.6	FFFF			24	36
08957W	3857N	5493-15200	00000/0000	1-10052/0616	08/24/76	20	0818	44.5	116.9	GGGG			25	33
08957W	3439N	5759-14521	00000/0000	1-10058/0328	05/17/77	40	4527	46.8	98.4	GGG			24	36
08958W	4313N	5476-15260	00000/0000	1-10052/0322	08/07/76	10	0581	46.8	116.2	GGGG			26	30
08958W	4313N	5494-15243	00000/0000	1-10052/0733	08/25/76	40	0832	42.9	122.0	GGGG			26	30
08958W	4310N	5671-15090	00000/0000	1-10055/0254	02/18/77	30	3300	21.1	130.9	GGGG			26	30
08958W	4308N	5512-15230	00000/0000	1-10053/0353	09/12/76	0	1083	38.3	128.3	GGGG			26	30
08959W	3855N	5475-15213	00000/0000	1-10052/0315	08/06/76	90	0567	47.9	110.4	GGGG			25	33
09000W	3854N	5511-15183	00000/0000	1-10053/0311	09/11/76	0	1069	40.4	124.0	GGGG			25	33
09000W	3853N	5670-15044	00000/0000	1-10055/0248	02/17/77	50	3286	22.9	128.8	GGGG			25	33
09000W	3434N	5795-14484	00000/0000	1-10060/0069	06/22/77	10	5029	46.8	91.6	GGG			24	36
09002W	4308N	5815-14553	00000/0000	1-10060/0702	07/12/77	10	5308	45.5	102.9	GGG			26	30
09004W	3436N	5777-14503	00000/0000	1-10059/0242	06/04/77	10	4778	47.8	93.7	GGG			24	36
09005W	3853N	5547-15154	00000/0000	1-10054/0437	10/17/76	0	1571	30.6	136.0	GGGG			25	33
09006W	3854N	5778-14545	00000/0000	1-10059/0402	06/05/77	20	4792	47.8	99.0	FGG			25	33
09012W	2850N	5812-14425	00000/0000	1-10060/0481	07/09/77	40	5266	44.1	86.0	GGG			23	40
09013W	2852N	5758-14481	00000/0000	1-10058/0318	05/16/77	10	4513	46.1	91.9	FGG			23	40
09015W	2853N	5794-14444	00000/0000	1-10060/0141	06/21/77	20	5015	45.6	85.0	GGG			23	40
09016W	2854N	5776-14463	00000/0000	1-10059/0232	06/03/77	10	4764	46.5	87.1	GGG			23	40
09017W	4601N	5531-15262	00000/0000	1-10054/0104	10/01/76	0	1348	31.3	136.7	FGGG			27	28

KFYs: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION	ROLL NO. IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
09018W	4605N	5477-15305	00000/0000	1-10052/0346	08/08/76	10	0595	45.9	120.0	GGGG					27	28
09020W	3312N	5510-15143	00000/0000	1-10053/0344	09/10/76	40	1055	42.6	117.9	GGGG					24	37
09020W	3309N	5669-15004	00000/0000	1-10056/0026	02/16/77	0	3272	25.2	125.9	GGGG					24	37
09021W	4604N	5513-15275	00000/0000	1-10053/0369	09/13/76	60	1097	36.7	131.3	GGGG					27	28
09021W	3310N	5492-15160	00000/0000	1-10052/0725	08/23/76	10	0804	45.9	109.9	GGGG					24	37
09022W	3316N	5474-15173	00000/0000	1-10052/0290	08/05/76	40	0553	48.6	102.8	GFGF					24	37
09023W	4559N	5816-15002	00000/0000	1-10060/0726	07/13/77	0	5322	45.9	106.5	GGG					27	28
09023W	3314N	5759-14523	00000/0000	1-10058/0329	05/17/77	50	4527	46.7	96.7	GGG					24	37
09025W	3731N	5493-15203	00000/0000	1-10052/0617	08/24/76	10	0818	44.8	115.3	GGGG					25	34
09026W	4557N	5798-15021	00000/0000	1-10060/0205	06/25/77	10	5071	47.2	106.0	GGP					27	28
09026W	3730N	5475-15220	00000/0000	1-10052/0316	08/06/76	50	0567	48.1	108.6	GGGG					25	34
09027W	3309N	5795-14490	00000/0000	1-10060/0070	06/22/77	10	5029	46.5	89.9	GGF					24	37
09028W	4148N	5476-15262	00000/0000	1-10052/0323	08/07/76	10	0581	47.2	114.4	GGGG					26	31
09028W	4147N	5494-15245	00000/0000	1-10052/0734	08/25/76	70	0832	43.4	120.5	GGGG					26	31
09028W	3729N	5511-15190	00000/0000	1-10053/0312	09/11/76	0	1069	40.9	122.6	GGGG					25	34
09028W	3727N	5670-15050	00000/0000	1-10055/0249	02/17/77	70	3286	23.5	128.0	GGGG					25	34
09029W	4144N	5671-15093	00000/0000	1-10055/0255	02/18/77	60	3300	21.8	130.1	GGGG					26	31
09029W	4142N	5512-15232	00000/0000	1-10053/0354	09/12/76	0	1089	38.8	127.0	GGGG					26	31
09029W	3310N	5777-14505	00000/0000	1-10059/0243	06/04/77	10	4778	47.3	92.0	GGG					24	37
09031W	3726N	5547-15160	00000/0000	1-10054/0438	10/17/76	0	1571	31.4	135.1	GGGG					25	34
09033W	4857N	5478-15354	00000/0000	1-10052/0022	08/09/76	50	0609	44.7	123.8	GGGG					28	26
09033W	4856N	5496-15341	00000/0000	1-10052/0763	08/27/76	80	0860	40.1	128.8	FGGG					28	26
09033W	4143N	5815-14560	00000/0000	1-10060/0703	07/12/77	10	5308	45.5	101.1	GGG					26	31
09034W	4848N	5532-15311	00000/0000	1-10054/0116	10/02/76	10	1362	29.3	139.1	GGGG					28	26
09034W	4144N	5779-14594	00000/0000	1-10059/0409	06/06/77	70	4806	47.9	102.5	GGG					26	31
09034W	3728N	5778-14551	00000/0000	1-10059/0403	06/05/77	0	4792	47.8	97.2	GGG					25	34
09042W	4847N	5781-15085	00000/0000	1-10059/0439	06/08/77	60	4834	47.4	111.7	GGG					28	26
09046W	3145N	5492-15163	00000/0000	1-10052/0726	08/23/76	10	0804	46.1	108.2	GGGG					24	38
09046W	3145N	5510-15150	00000/0000	1-10053/0345	09/10/76	40	1055	43.0	116.4	GGGG					24	38
09048W	3152N	5474-15180	00000/0000	1-10052/0291	08/05/76	60	0553	48.7	100.9	GFGF					24	38
09049W	3149N	5759-14530	00000/0000	1-10058/0330	05/17/77	50	4527	46.6	95.0	GGG					24	38
09050W	4440N	5495-15294	00000/0000	1-10052/0782	08/26/76	40	0846	42.1	124.0	FFGG					27	29
09050W	4436N	5531-15264	00000/0000	1-10054/0105	10/01/76	0	1348	32.1	135.6	GGGG					27	29
09052W	4440N	5477-15311	00000/0000	1-10052/0347	08/08/76	10	0595	46.3	118.3	GGGG					27	29
09052W	3605N	5493-15205	00000/0000	1-10052/0618	08/24/76	10	0818	45.2	113.6	GGGG					25	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0165

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS							123 45678				
09053W	4437N	5513-15281	1-10053/0370	09/13/76	70	1097	37.4	130.0	GGGG				27	29
09053W	3143N	5795-14493	1-10060/0071	06/22/77	10	5029	46.3	88.2	GGG				24	38
09054W	3604N	5475-15222	1-10052/0317	08/06/76	40	0567	48.3	106.7	GGGG				25	35
09054W	3601N	5670-15053	1-10055/0250	02/17/77	40	3286	24.2	127.2	GGGG				25	35
09055W	3603N	5511-15192	1-10053/0313	09/11/76	0	1069	41.4	121.2	GGGG				25	35
09055W	3145N	5777-14512	1-10059/0244	06/04/77	10	4778	47.0	90.3	GGG				24	38
09056W	4434N	5816-15005	1-10060/0727	07/13/77	0	5322	45.3	104.8	GGG				27	29
09057W	4023N	5476-15265	1-10052/0324	08/07/76	10	0581	47.5	112.6	GGGG				26	32
09058W	4022N	5494-15252	1-10053/0735	08/25/76	40	0832	43.8	118.9	GGFG				26	32
09058W	4018N	5671-15095	1-10055/0256	02/18/77	50	3300	22.8	129.3	GGGG				26	32
09058W	3559N	5647-15163	1-10054/0439	10/17/76	0	1571	32.2	134.1	GGGG				25	35
09059W	4018N	5548-15205	1-10054/0441	10/18/76	80	1585	29.4	137.2	GGGG				26	32
09059W	4017N	5512-15235	1-10053/0355	09/12/76	0	1083	39.5	125.7	FGGG				26	32
09100W	4433N	5798-15024	1-10060/0206	06/25/77	10	5071	47.2	104.1	GGF				27	29
09101W	3602N	5778-14554	1-10059/0404	06/05/77	0	4792	47.6	95.4	GGG				25	35
09102W	4017N	5815-14562	1-10060/0704	07/12/77	40	5308	45.5	99.4	GGG				26	32
09104W	4019N	5779-15000	1-10059/0410	06/06/77	20	4806	47.9	100.6	GGG				26	32
09109W	4731N	5496-15343	1-10052/0764	08/27/76	60	0860	40.7	127.3	GGGG				28	27
09110W	4732N	5478-15360	1-10052/0023	08/09/76	90	0609	45.2	122.1	GGGF				28	27
09111W	4724N	5532-15313	1-10054/0117	10/02/76	10	1362	30.1	138.0	GGGG				28	27
09111W	3019N	5492-15165	1-10052/0727	08/23/76	10	0804	46.3	106.6	GGGG				24	39
09112W	3026N	5474-15182	1-10052/0292	08/05/76	50	0553	48.7	99.1	GFGF				24	39
09112W	3019N	5510-15152	1-10053/0346	09/10/76	20	1055	43.4	114.9	GGGG				24	39
09114W	3021N	5759-14532	1-10058/0331	05/17/77	40	4527	46.4	93.3	GGG				24	39
09116W	4724N	5799-15072	1-10060/0185	06/26/77	30	5085	47.0	107.9	GG				28	27
09116W	4724N	5817-15053	1-10060/0596	07/14/77	60	5336	45.0	108.5	GGG				28	27
09118W	3018N	5795-14495	1-10060/0072	06/22/77	10	5029	45.9	86.6	GGG				24	39
09119W	4723N	5781-15092	1-10059/0440	06/08/77	40	4834	47.6	109.7	GFF				28	27
09119W	3019N	5777-14514	1-10059/0245	06/04/77	10	4778	46.8	88.6	GGG				24	39
09120W	3435N	5670-15055	1-10055/0251	02/17/77	30	3286	24.8	126.4	GGGG				25	36
09121W	4314N	5495-15301	1-10052/0783	08/26/76	60	0846	42.7	122.4	FFGG				27	30
09121W	3438N	5511-15195	1-10053/0314	09/11/76	0	1069	41.9	119.8	GGGG				25	36
09122W	4311N	5531-15271	1-10054/0106	10/01/76	0	1348	32.9	134.5	GGGG				27	30
09124W	4315N	5477-15314	1-10052/0348	08/08/76	10	0595	46.6	116.5	GGGG				27	30
09124W	4310N	5513-15284	1-10053/0371	09/13/76	50	1097	38.0	128.7	GGGG				27	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0166

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
09125W	3433N	5547-15165	00000/0000	1-10054/0440	10/17/76	0	1571	33.0	133.1	GGGG			25	36
09126W	3857N	5476-15271	00000/0000	1-10052/0325	08/07/76	30	0581	47.7	110.7	GGGG			26	33
09127W	4308N	5816-15011	00000/0000	1-10060/0728	07/13/77	10	5322	45.4	103.0	GGG			27	30
09127W	3853N	5512-15241	00000/0000	1-10053/0356	09/12/76	0	1083	40.1	124.3	GGGG			26	33
09127W	3852N	5671-15102	00000/0000	1-10055/0257	02/18/77	0	3300	23.1	128.5	GGGG			26	33
09127W	3436N	5778-14560	00000/0000	1-10059/0405	06/05/77	0	4792	47.8	93.6	GGG			25	36
09128W	3852N	5548-15212	00000/0000	1-10054/0442	10/18/76	60	1585	30.3	136.3	GGGG			26	33
09131W	4309N	5798-15030	00000/0000	1-10060/0207	06/25/77	10	5071	47.3	102.3	GGF			27	30
09131W	3851N	5815-14565	00000/0000	1-10060/0705	07/12/77	30	5308	45.4	97.7	GGG			26	33
09133W	3853N	5779-15003	00000/0000	1-10059/0411	06/06/77	10	4806	47.8	98.8	GGG			26	33
09136W	2854N	5492-15172	00000/0000	1-10052/0728	08/23/76	20	0804	46.5	104.9	GGGG			24	40
09139W	2854N	5759-14535	00000/0000	1-10058/0332	05/17/77	30	4527	46.2	91.6	GGG			24	40
09142W	2853N	5795-14502	00000/0000	1-10060/0073	06/22/77	20	5029	45.6	85.0	GGG			24	40
09142W	2852N	5777-14521	00000/0000	1-10059/0246	06/04/77	10	4778	46.8	86.9	GGG			24	40
09143W	4606N	5496-15350	00000/0000	1-10052/0619	08/27/76	40	0860	41.3	125.8	GGGG			28	28
09145W	4606N	5478-15363	00000/0000	1-10052/0024	08/09/76	60	0609	45.6	120.3	GGGG			28	28
09145W	4559N	5532-15320	00000/0000	1-10054/0118	10/02/76	10	1362	30.8	137.0	GGGG			28	28
09145W	3309N	5670-15062	00000/0000	1-10055/0252	02/17/77	10	3286	25.4	125.6	GGGG			25	37
09146W	3312N	5493-15214	00000/0000	1-10052/0619	08/24/76	10	0818	45.7	110.3	GGGG			25	37
09147W	3313N	5511-15201	00000/0000	1-10053/0315	09/11/76	10	1069	42.4	118.3	GGGG			25	37
09148W	3730N	5530-15231	00000/0000	1-10054/0062	09/30/76	0	1334	36.2	129.8	GGGG			26	34
09150W	4558N	5817-15060	00000/0000	1-10060/0597	07/14/77	40	5336	45.1	106.7	GGG			28	28
09151W	4559N	5799-15075	00000/0000	1-10060/0186	06/26/77	10	5085	47.1	106.0	GGP			28	28
09152W	4149N	5495-15303	00000/0000	1-10052/0784	08/26/76	40	0846	43.1	120.8	FFGG			27	31
09152W	4144N	5531-15273	00000/0000	1-10054/0107	10/01/76	0	1348	33.6	133.4	GGGG			27	31
09154W	4558N	5781-15094	00000/0000	1-10059/0441	06/08/77	50	4834	47.7	107.8	GGG			28	28
09154W	3731N	5476-15274	00000/0000	1-10052/0326	08/07/76	30	0581	48.0	108.9	GGGG			26	34
09154W	3726N	5671-15104	00000/0000	1-10055/0258	02/18/77	0	3300	23.8	127.8	GGGG			26	34
09154W	3311N	5778-14563	00000/0000	1-10059/0406	06/05/77	10	4792	47.3	91.8	GGG			25	37
09155W	4149N	5477-15320	00000/0000	1-10052/0349	08/08/76	10	0595	47.0	114.7	GGGG			27	31
09155W	4144N	5513-15290	00000/0000	1-10053/0372	09/13/76	50	1097	38.7	127.4	GGGG			27	31
09155W	3728N	5512-15244	00000/0000	1-10053/0357	09/12/76	10	1083	40.7	122.9	GGGG			26	34
09157W	3727N	5548-15214	00000/0000	1-10054/0443	10/18/76	20	1585	31.1	135.4	GGGG			26	34
09158W	4143N	5816-15014	00000/0000	1-10060/0729	07/13/77	10	5322	45.4	101.2	GGG			27	31
09159W	4853N	5497-15395	00000/0000	1-10053/0014	08/28/76	90	0874	39.0	129.1	GGFG			29	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0167

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
09159W	4850N	5533-15365	0000/0000	1-10054/0138	10/03/76	70	1376	28.9	139.3		GGGG			29	26
09159W	3725N	5815-14571	0000/0000	1-10060/0706	07/12/77	80	5308	45.3	96.0		GGG			26	34
09201W	4849N	5515-15382	0000/0000	1-10053/0445	09/15/76	40	1125	34.6	134.4		GGGG			29	26
09201W	4144N	5798-15033	0000/0000	1-10060/0208	06/25/77	0	5071	47.2	100.4		GGF			27	31
09201W	3727N	5779-15005	0000/0000	1-10059/0412	06/06/77	10	4806	47.8	97.0		GGG			26	34
09202W	4855N	5461-15424	0000/0000	1-10051/0644	07/23/76	20	0372	48.2	120.2		GGGG			29	26
09207W	4849N	5818-15105	0000/0000	1-10060/0612	07/15/77	20	5350	44.7	110.4		GGG			29	26
09208W	4845N	5800-15124	0000/0000	1-10060/0161	06/27/77	90	5099	46.8	109.7		GGP			29	26
09209W	4847N	5782-15143	0000/0000	1-10059/0512	06/09/77	20	3848	47.4	111.5		GGG			29	26
09210W	3144N	5670-15064	0000/0000	1-10055/0253	02/17/77	10	3286	26.1	124.8		GGGG			25	38
09213W	3148N	5511-15204	0000/0000	1-10053/0316	09/11/76	10	1069	42.8	116.9		GGGG			25	38
09213W	3146N	5493-15221	0000/0000	1-10052/0620	08/24/76	20	0818	46.0	108.7		GGGG			25	38
09216W	3604N	5530-15233	0000/0000	1-10054/0063	09/30/76	10	1334	36.8	128.6		GGGG			26	35
09217W	4440N	5496-15352	0000/0000	1-10052/0766	08/27/76	20	0860	41.9	124.3		FGGG			28	29
09218W	4441N	5478-15365	0000/0000	1-10052/0025	08/09/76	10	0609	46.1	118.6		GGGG			28	29
09219W	4434N	5532-15322	0000/0000	1-10054/0119	10/02/76	0	1362	31.8	135.9		GGGG			28	29
09220W	3601N	5671-15111	0000/0000	1-10055/0259	02/18/77	0	3300	24.4	127.0		GGGG			26	35
09220W	3146N	5778-14565	0000/0000	1-10059/0407	06/05/77	10	4792	47.0	90.1		GGG			25	38
09222W	4023N	5495-15310	0000/0000	1-10052/0785	08/26/76	30	0846	43.6	119.3		FFGG			27	32
09222W	3605N	5476-15280	0000/0000	1-10052/0327	08/07/76	60	0581	48.1	107.1		GGGG			26	35
09223W	4434N	5799-15081	0000/0000	1-10060/0187	06/26/77	10	5085	47.2	104.1		GGP			28	29
09223W	4433N	5817-15062	0000/0000	1-10060/0598	07/14/77	10	5336	45.2	104.9		GGG			28	29
09223W	4017N	5531-15280	0000/0000	1-10054/0108	10/01/76	0	1348	34.4	132.3		GGGG			27	32
09223W	3602N	5512-15250	0000/0000	1-10053/0358	09/12/76	20	1083	41.2	121.5		GGGG			26	35
09224W	4023N	5477-15323	0000/0000	1-10052/0350	08/08/76	20	0595	47.3	112.9		GGGG			27	32
09224W	4018N	5513-15293	0000/0000	1-10053/0373	09/13/76	20	1097	39.3	126.1		GGGG			27	32
09224W	3601N	5548-15221	0000/0000	1-10054/0444	10/18/76	10	1585	31.9	134.4		FGGG			26	35
09226W	3559N	5815-14574	0000/0000	1-10060/0707	07/12/77	30	5308	45.1	94.3		GGG			26	35
09227W	4017N	5816-15020	0000/0000	1-10060/0730	07/13/77	10	5322	45.3	99.5		GGG			27	32
09228W	4433N	5781-15101	0000/0000	1-10059/0442	06/08/77	30	4834	47.8	105.9		GGG			28	29
09229W	3602N	5779-15012	0000/0000	1-10059/0413	06/06/77	0	4806	47.6	95.2		GGG			26	35
09230W	4018N	5798-15035	0000/0000	1-10060/0209	06/25/77	20	5071	47.2	98.6		GGF			27	32
09235W	4725N	5533-15371	0000/0000	1-10054/0139	10/03/76	70	1376	29.8	138.3		GGGG			29	27
09236W	4729N	5497-15401	0000/0000	1-10053/0015	08/28/76	80	0874	40.5	127.6		GGGG			29	27
09237W	4725N	5515-15384	0000/0000	1-10053/0446	09/15/76	40	1125	35.4	133.2		GGGG			29	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0168

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS							123	45678			
09237W	3020N	5493-15223	00000/0000	1-10052/0621	08/24/76	40	0818	46.2	107.0		GGGG		25	39
09238W	4729N	5461-15431	00000/0000	1-10051/0645	07/23/76	10	0372	48.6	118.3		GGGG		29	27
09238W	3022N	5511-15210	00000/0000	1-10053/0317	09/11/76	40	1069	43.2	115.4		GGGG		25	39
09239W	3019N	5814-14534	00000/0000	1-10060/0757	07/11/77	50	5294	44.3	87.8		GGG		25	39
09243W	4724N	5818-15111	00000/0000	1-10060/0613	07/15/77	10	5350	44.9	108.6		GGG		29	27
09243W	4720N	5800-15130	00000/0000	1-10060/0162	06/27/77	40	5099	46.9	107.8		GG		29	27
09243W	3437N	5530-15240	00000/0000	1-10054/0664	09/30/76	0	1334	37.4	127.5		GGGG		26	36
09245W	4723N	5782-15145	00000/0000	1-10059/0513	06/09/77	10	3848	47.6	109.6		GGG		29	27
09245W	3021N	5778-14572	00000/0000	1-10059/0408	06/05/77	10	4792	46.8	88.4		GFG		25	39
09246W	3436N	5671-15113	00000/0000	1-10055/0260	02/18/77	20	3300	25.1	126.2		GGGG		26	36
09248W	3439N	5476-15283	00000/0000	1-10052/0328	08/07/76	30	0581	48.3	105.3		GGGG		26	36
09249W	3852N	5654-15173	00000/0000	1-10055/0132	02/01/77	0	3063	19.1	132.5		GGGG		27	33
09249W	3436N	5512-15253	00000/0000	1-10053/0359	09/12/76	50	1083	41.7	120.1		GGGG		26	36
09250W	4315N	5478-15372	00000/0000	1-10052/0026	08/09/76	10	0609	46.8	116.8		GGGG		28	30
09250W	4315N	5496-15355	00000/0000	1-10052/0767	08/27/76	20	0860	42.4	122.8		GGGG		28	30
09250W	4309N	5532-15325	00000/0000	1-10054/0120	10/02/76	0	1362	32.6	134.8		GGGG		28	30
09250W	3858N	5495-15312	00000/0000	1-10052/0786	08/26/76	30	0846	44.0	117.7		FGGG		27	33
09250W	3436N	5548-15223	00000/0000	1-10054/0445	10/18/76	10	1585	32.7	133.4		GGGG		26	36
09252W	3858N	5477-15325	00000/0000	1-10052/0351	08/08/76	10	0595	47.6	111.1		GGGG		27	33
09253W	3853N	5513-15295	00000/0000	1-10053/0374	09/13/76	10	1097	39.9	124.7		GGGG		27	33
09253W	3434N	5815-14580	00000/0000	1-10060/0708	07/12/77	10	5308	45.8	92.7		GGG		26	36
09254W	4308N	5817-15065	00000/0000	1-10060/0599	07/14/77	0	5336	45.2	103.1		GGG		28	30
09254W	3850N	5531-15282	00000/0000	1-10054/0109	10/01/76	0	1348	35.1	131.2		GGGG		27	33
09255W	4310N	5799-15084	00000/0000	1-10060/0188	06/26/77	0	5085	47.2	102.3		GGF		28	30
09256W	3437N	5779-15014	00000/0000	1-10059/0414	06/06/77	0	4806	47.5	93.4		GGG		26	36
09257W	3852N	5816-15023	00000/0000	1-10060/0731	07/13/77	10	5322	45.9	97.8		GGG		27	33
09300W	4308N	5781-15103	00000/0000	1-10059/0443	06/08/77	70	4834	47.9	104.0		GGG		28	30
09302W	2857N	5511-15213	00000/0000	1-10053/0318	09/11/76	40	1069	43.6	113.9		GGGG		25	40
09303W	2853N	5814-14540	00000/0000	1-10060/0758	07/11/77	40	5294	44.8	86.3		GGG		25	40
09310W	4603N	5497-15404	00000/0000	1-10053/0016	08/28/76	50	0874	41.1	126.1		GGGG		29	28
09310W	4600N	5533-15374	00000/0000	1-10054/0140	10/03/76	60	1376	30.6	137.3		GGGG		29	28
09310W	3312N	5530-15242	00000/0000	1-10054/0665	09/30/76	0	1334	38.1	126.3		GGGG		26	37
09312W	4601N	5515-15391	00000/0000	1-10053/0447	09/15/76	90	1125	36.1	131.9		GGGG		29	28
09312W	3310N	5671-15120	00000/0000	1-10055/0261	02/18/77	50	3300	25.7	125.4		GGGG		26	37
09313W	4604N	5461-15433	00000/0000	1-10051/0646	07/23/76	10	0372	49.0	116.3		GGGG		29	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PAGE 0169

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
09314W	3313N	5476-15285	00000/0000	1-10052/0329	08/07/76	10	0581	48.4	103.5	GGGG			26	37
09315W	3310N	5512-15255	00000/0000	1-10053/0360	09/12/76	20	1083	42.2	118.7	GGGG			26	37
09315W	3310N	5548-15230	00000/0000	1-10054/0446	10/18/76	0	1585	33.5	132.5	GGGG			26	37
09316W	3726N	5654-15180	00000/0000	1-10055/0139	02/01/77	0	3063	19.8	131.9	GGGG			27	34
09317W	4555N	5800-15193	00000/0000	1-10060/0163	06/27/77	20	5099	47.0	105.9	GGF			29	28
09318W	4600N	5818-15114	00000/0000	1-10060/0614	07/15/77	10	5350	45.0	106.8	GGG			29	28
09318W	3308N	5815-14583	00000/0000	1-10060/0709	07/12/77	20	5308	44.7	91.1	GGG			26	37
09319W	3732N	5495-15315	00000/0000	1-10052/0787	08/26/76	10	0846	44.4	116.1	FGGG			27	34
09320W	4558N	5782-15152	00000/0000	1-10059/0514	06/09/77	30	3848	47.7	107.6	GGG			29	28
09320W	3732N	5477-15332	00000/0000	1-10052/0352	08/08/76	50	0595	47.8	109.3	GGGG			27	34
09321W	4150N	5478-15374	00000/0000	1-10052/0027	08/09/76	40	0609	46.8	115.0	FGGG			28	31
09321W	4150N	5496-15361	00000/0000	1-10052/0768	08/27/76	10	0860	42.8	121.2	GGGG			28	31
09321W	4144N	5532-15331	00000/0000	1-10054/0121	10/02/76	0	1362	33.8	133.8	GGGG			28	31
09321W	3728N	5513-15302	00000/0000	1-10053/0375	09/13/76	20	1097	40.4	123.4	FGGG			27	34
09322W	3312N	5779-15021	00000/0000	1-10059/0415	06/06/77	0	4806	47.3	91.6	GGG			26	37
09323W	4848N	5657-15313	00000/0000	1-10055/0001	02/04/77	10	3105	14.3	136.6	GGGG			30	26
09323W	3724N	5531-15285	00000/0000	1-10054/0110	10/01/76	0	1348	35.8	130.1	GGGG			27	34
09324W	2731N	5511-15215	00000/0000	1-10053/0319	09/11/76	40	1069	43.8	112.4	GGGG			25	41
09325W	4854N	5498-15452	00000/0000	1-10053/0063	08/29/76	20	0888	39.6	129.4	GGGG			30	26
09325W	4143N	5817-15071	00000/0000	1-10060/0600	07/14/77	0	5336	45.2	101.4	GGG			28	31
09325W	3726N	5816-15025	00000/0000	1-10060/0732	07/13/77	10	5322	45.2	96.1	GGG			27	34
09326W	4848N	5534-15423	00000/0000	1-10054/0162	10/04/76	60	1390	28.6	139.6	GGGG			30	26
09326W	4145N	5799-15090	00000/0000	1-10060/0189	06/26/77	0	5085	47.2	100.4	GGF			28	31
09329W	4852N	5462-15482	00000/0000	1-10051/0656	07/24/76	50	0386	48.0	120.4	GGGG			30	26
09331W	4144N	5781-15110	00000/0000	1-10059/0444	06/08/77	70	4834	47.9	102.1	GGG			28	31
09334W	4850N	5819-15162	00000/0000	1-10060/0629	07/16/77	30	5364	44.5	110.5	GGG			30	26
09336W	3146N	5530-15245	00000/0000	1-10054/0066	09/30/76	0	1334	38.7	125.0	GGGG			26	38
09337W	3144N	5671-15122	00000/0000	1-10055/0262	02/18/77	60	3300	26.3	124.5	GGGG			26	38
09339W	3144N	5512-15262	00000/0000	1-10053/0361	09/12/76	10	1083	42.6	117.3	GGGG			26	38
09340W	3147N	5476-15292	00000/0000	1-10052/0330	08/07/76	10	0581	48.4	101.7	GGGG			26	38
09341W	4433N	5674-15253	00000/0000	1-10055/0290	02/21/77	60	3342	21.3	131.0	FGGG			29	29
09341W	3145N	5548-15232	00000/0000	1-10054/0447	10/18/76	0	1585	34.2	131.5	GGGG			26	38
09342W	3142N	5815-14585	00000/0000	1-10060/0710	07/12/77	40	5308	44.5	89.5	GGG			26	38
09344W	4438N	5497-15410	00000/0000	1-10053/0017	08/28/76	10	0874	41.6	124.6	GGGG			29	29
09344W	4435N	5533-15380	00000/0000	1-10054/0141	10/03/76	60	1376	31.4	136.2	GGGG			29	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS										
09344W	3600N	5654-15182	00000/0000	1-10055/0134	02/01/77	10	3063	20.6	131.2	GGGG			27	35
09345W	4438N	5479-15423	00000/0000	1-10052/0406	08/10/76	10	0623	45.9	118.8	GPGG			29	29
09345W	4436N	5515-15393	00000/0000	1-10053/0448	09/15/76	100	1125	36.8	130.7	GGGG			29	29
09346W	4439N	5461-15440	00000/0000	1-10051/0647	07/23/76	20	0372	49.3	114.4	GGGG			29	29
09346W	3147N	5779-15023	00000/0000	1-10059/0416	06/06/77	0	4806	47.0	89.9	GGG			26	38
09347W	3606N	5477-15334	00000/0000	1-10052/0353	08/08/76	60	0595	48.0	107.5	GGGG			27	35
09347W	3605N	5495-15321	00000/0000	1-10052/0788	08/26/76	10	0846	44.8	114.5	FGGG			27	35
09347W	3600N	5672-15165	00000/0000	1-10055/0285	02/19/77	20	3314	24.7	126.7	GGGG			27	35
09348W	3604N	5513-15304	00000/0000	1-10053/0376	09/13/76	30	1097	41.6	122.0	GGGG			27	35
09349W	4024N	5496-15364	00000/0000	1-10052/0769	08/27/76	10	0860	43.4	119.7	GGGG			28	32
09350W	4431N	5800-15135	00000/0000	1-10060/0164	06/27/77	10	5099	47.1	104.0	GGF			29	29
09350W	4024N	5478-15381	00000/0000	1-10052/0028	08/09/76	50	0609	47.1	113.3	FGGG			28	32
09350W	3600N	5531-15291	00000/0000	1-10054/0111	10/01/76	0	1348	36.5	129.0	FGGG			27	35
09351W	4436N	5818-15120	00000/0000	1-10060/0615	07/15/77	20	5350	45.1	105.0	GGG			29	29
09351W	4018N	5532-15334	00000/0000	1-10054/0122	10/02/76	0	1362	34.1	132.7	GGGG			28	32
09352W	3601N	5816-15032	00000/0000	1-10060/0733	07/13/77	10	5322	45.0	94.5	GGG			27	35
09354W	4434N	5782-15154	00000/0000	1-10059/0515	06/09/77	30	3848	47.8	105.7	GGG			29	29
09355W	4019N	5817-15074	00000/0000	1-10060/0601	07/14/77	0	5336	45.2	99.7	GGG			28	32
09356W	4019N	5799-15093	00000/0000	1-10060/0190	06/26/77	30	5085	47.1	98.6	GG			28	32
09400W	4723N	5657-15320	00000/0000	1-10055/0002	02/04/77	30	3105	15.1	135.9	GGGG			30	27
09401W	4729N	5498-15455	00000/0000	1-10053/0064	08/29/76	10	0888	40.2	127.9	GGGG			30	27
09401W	4019N	5781-15112	00000/0000	1-10059/0445	06/08/77	20	4834	47.9	100.2	GGG			28	32
09401W	3019N	5530-15251	00000/0000	1-10054/0067	09/30/76	10	1334	39.3	123.8	GGGG			26	39
09402W	4723N	5534-15425	00000/0000	1-10054/0163	10/04/76	90	1390	29.5	138.5	GGGG			30	27
09402W	3017N	5671-15125	00000/0000	1-10055/0263	02/18/77	70	3300	26.9	123.7	GGGG			26	39
09403W	3019N	5512-15264	00000/0000	1-10053/0362	09/12/76	10	1083	43.0	115.8	GGGG			26	39
09405W	4728N	5462-15485	00000/0000	1-10051/0657	07/24/76	10	0386	48.4	118.4	GGGG			30	27
09405W	3021N	5476-15294	00000/0000	1-10052/0331	08/07/76	10	0581	48.4	99.8	GGGG			26	39
09405W	3019N	5548-15235	00000/0000	1-10054/0448	10/18/76	0	1585	35.0	130.4	GGGG			26	39
09406W	3017N	5815-14592	00000/0000	1-10060/0711	07/12/77	50	5308	44.2	87.9	GGG			26	39
09410W	4726N	5819-15165	00000/0000	1-10060/0630	07/16/77	10	5364	44.7	108.7	GGG			30	27
09410W	3434N	5654-15185	00000/0000	1-10055/0135	02/01/77	0	3063	21.3	130.5	FGGG			27	36
09410W	3021N	5779-15030	00000/0000	1-10059/0417	06/06/77	0	4806	46.7	88.2	GGG			26	39
09413W	4308N	5674-15260	00000/0000	1-10055/0291	02/21/77	30	3342	22.0	130.2	FGGG			29	30
09413W	3440N	5477-15341	00000/0000	1-10052/0354	08/08/76	80	0595	48.1	105.7	GGGG			27	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PAGE 0171

PRINCIPAL POINT OF IMAGE LONG	POINT LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
09413W	3435N	5672-15171	00000/0000	1-10055/0286	02/19/77	30	3314	25.8	125.9	GGGG				27	36
09415W	3439N	5495-15324	00000/0000	1-10052/0789	08/26/76	10	0846	45.1	112.9	FGFG				27	36
09415W	3439N	5513-15311	00000/0000	1-10053/0377	09/13/76	60	1097	41.5	120.6	GGGG				27	36
09415W	3435N	5531-15294	00000/0000	1-10054/0112	10/01/76	0	1348	37.2	127.8	GGGG				27	36
09416W	4312N	5497-15413	00000/0000	1-10053/0018	08/28/76	0	0874	42.2	123.1	GGGG				29	30
09416W	4310N	5515-15400	00000/0000	1-10053/0449	09/15/76	90	1125	37.5	129.4	GGGG				29	30
09416W	4310N	5533-15383	00000/0000	1-10054/0142	10/03/76	80	1376	32.2	135.2	GGGG				29	30
09417W	4312N	5479-15430	00000/0000	1-10052/0407	08/10/76	60	0623	46.2	117.1	GGGG				29	30
09418W	4314N	5461-15442	00000/0000	1-10051/0648	07/23/76	10	0372	49.6	112.4	GGGG				29	30
09418W	3858N	5496-15370	00000/0000	1-10052/0770	08/27/76	10	0860	43.8	118.1	GGGG				28	33
09418W	3435N	5816-15034	00000/0000	1-10060/0734	07/13/77	0	5322	44.8	92.8	GGG				27	36
09419W	3858N	5478-15383	00000/0000	1-10052/0029	08/09/76	10	0609	47.4	111.5	GGGG				28	33
09419W	3854N	5673-15214	00000/0000	1-10055/0266	02/20/77	10	3328	23.7	128.1	GGGG				28	33
09420W	3852N	5532-15340	00000/0000	1-10054/0123	10/02/76	0	1362	34.8	131.6	GGGG				28	33
09421W	4306N	5800-15142	00000/0000	1-10060/0165	06/27/77	10	5099	47.1	102.2	GGG				29	30
09422W	4310N	5818-15123	00000/0000	1-10060/0616	07/15/77	50	5350	45.1	103.3	GGG				29	30
09423W	3853N	5817-15080	00000/0000	1-10060/0602	07/14/77	0	5336	45.2	98.0	GGG				28	33
09424W	2853N	5530-15254	00000/0000	1-10054/0068	09/30/76	20	1334	39.9	122.6	GGGG				26	40
09426W	4309N	5782-15161	00000/0000	1-10059/0516	06/09/77	30	3848	47.9	103.8	GGG				29	30
09426W	2852N	5671-15131	00000/0000	1-10055/0264	02/18/77	30	3300	27.5	122.9	GGGG				26	40
09427W	2854N	5512-15271	00000/0000	1-10053/0363	09/12/76	20	1083	43.4	114.4	GGGG				26	40
09429W	2853N	5548-15241	00000/0000	1-10054/0449	10/18/76	20	1585	35.7	129.4	GGGG				26	40
09429W	2852N	5815-14594	00000/0000	1-10060/0538	07/12/77	20	5308	43.9	86.4	GGG				26	40
09430W	3853N	5781-15115	00000/0000	1-10059/0446	06/08/77	10	4834	47.8	98.4	FGG				28	33
09433W	4559N	5675-15305	00000/0000	1-10056/0031	02/22/77	20	3356	20.9	131.6	FGGG				30	28
09433W	2855N	5779-15032	00000/0000	1-10059/0418	06/06/77	10	4806	46.4	86.6	GGG				26	40
09434W	4559N	5657-15322	00000/0000	1-10055/0003	02/04/77	10	3105	15.8	135.2	GGGG				30	28
09436W	4604N	5498-15461	00000/0000	1-10053/0065	08/29/76	20	0888	40.8	126.5	GGGG				30	28
09436W	3308N	5654-15191	00000/0000	1-10055/0136	02/01/77	10	3063	22.0	129.8	GGGG				27	37
09437W	4558N	5534-15432	00000/0000	1-10054/0164	10/04/76	90	1390	30.3	137.5	GGG				30	28
09438W	3309N	5672-15174	00000/0000	1-10055/0287	02/19/77	20	3314	26.0	125.1	GGGG				27	37
09439W	3314N	5477-15343	00000/0000	1-10052/0355	08/08/76	30	0595	48.2	103.9	GGGG				27	37
09440W	4603N	5462-15491	00000/0000	1-10051/0658	07/24/76	0	0386	48.8	116.5	GGGG				30	28
09440W	3313N	5495-15330	00000/0000	1-10052/0790	08/26/76	10	0846	45.4	111.3	FGGG				27	37
09440W	3313N	5513-15313	00000/0000	1-10053/0378	09/13/76	60	1097	42.6	119.2	GGGG				27	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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 FROM 07/23/76 TO 07/23/77

PAGE 0172

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
09440W	3310N	5531-15300	00000/0000	1-10054/0113	10/01/76	0	1348	37.9	126.6	GGGG			27	37
09443W	3310N	5816-15041	00000/0000	1-10060/0735	07/13/77	0	5322	44.6	91.2	GGG			27	37
09444W	4602N	5819-15171	00000/0000	1-10060/0631	07/16/77	10	5364	44.8	106.9	GGG			30	28
09444W	4143N	5674-15262	00000/0000	1-10055/0292	02/21/77	10	3342	22.7	129.4	GGGG			29	31
09446W	4144N	5533-15385	00000/0000	1-10054/0143	10/03/76	80	1376	33.0	134.1	GGGG			29	31
09447W	4147N	5479-15432	00000/0000	1-10052/0408	08/10/76	40	0623	46.6	115.3	GGGG			29	31
09447W	4147N	5497-15415	00000/0000	1-10053/0019	08/28/76	0	0874	42.7	121.6	GGGG			29	31
09447W	4144N	5515-15402	00000/0000	1-10053/0450	09/15/76	80	1125	38.1	128.1	GGGG			29	31
09447W	3733N	5478-15390	00000/0000	1-10052/0030	08/09/76	10	0609	47.6	109.7	GGGG			28	34
09447W	3732N	5496-15373	00000/0000	1-10052/0771	08/27/76	0	0860	44.2	116.5	GGGG			28	34
09447W	3726N	5532-15343	00000/0000	1-10054/0124	10/02/76	10	1362	35.6	130.5	GGGG			28	34
09447W	2728N	5530-15260	00000/0000	1-10054/0069	09/30/76	30	1334	40.4	121.3	GGGG			26	41
09448W	3728N	5673-15220	00000/0000	1-10055/0267	02/20/77	10	3328	24.4	127.3	GGGG			28	34
09449W	4148N	5461-15445	00000/0000	1-10051/0649	07/23/76	10	0372	49.8	110.4	GGGG			29	31
09450W	4855N	5499-15510	00000/0000	1-10053/0038	08/30/76	10	0902	39.9	129.7	GGGG			31	26
09450W	4848N	5658-15371	00000/0000	1-10055/0018	02/05/77	10	3119	14.6	136.4	GGG			31	26
09450W	3727N	5817-15083	00000/0000	1-10060/0603	07/14/77	0	5336	45.0	96.3	GGG			28	34
09450W	2726N	5671-15134	00000/0000	1-10055/0265	02/18/77	60	3300	28.0	122.0	GGGG			26	41
09451W	2728N	5512-15273	00000/0000	1-10053/0364	09/12/76	30	1083	43.7	112.9	GGGG			26	41
09452W	4848N	5535-15481	00000/0000	1-10054/0209	10/05/76	100	1404	28.8	139.8	GGGG			31	26
09452W	4143N	5818-15125	00000/0000	1-10060/0617	07/15/77	30	5350	45.1	101.5	GGG			29	31
09452W	4141N	5800-15144	00000/0000	1-10060/0166	06/27/77	10	5099	47.1	100.3	GGG			29	31
09452W	2726N	5815-15001	00000/0000	1-10060/0539	07/12/77	20	5308	43.5	84.9	GGG			26	41
09453W	2727N	5548-15244	00000/0000	1-10054/0450	10/18/76	40	1585	36.4	128.3	GGGG			26	41
09454W	4855N	5481-15523	00000/0000	1-10052/0436	08/12/76	80	0651	44.0	124.6	GGFG			31	26
09455W	4853N	5766-15273	00000/0000	1-10059/0053	05/24/77	20	4625	46.3	114.7	GGG			31	26
09455W	4852N	5463-15540	00000/0000	1-10052/0032	07/25/76	50	0400	47.8	120.6	GGGG			31	26
09455W	2728N	5779-15035	00000/0000	1-10059/0419	06/06/77	10	4806	46.1	85.0	GGG			26	41
09456W	4143N	5782-15163	00000/0000	1-10059/0517	06/09/77	20	3848	47.9	101.9	GGG			29	31
09458W	3727N	5781-15121	00000/0000	1-10059/0447	06/08/77	10	4834	47.7	96.5	GGG			28	34
09459W	4851N	5820-15220	00000/0000	1-10060/0645	07/17/77	50	5378	44.4	110.6	GGG			31	26
09459W	4847N	5802-15235	00000/0000	1-10060/0277	06/29/77	20	5127	46.6	109.7	GGG			31	26
09500W	4847N	5784-15255	00000/0000	1-10059/0474	06/11/77	80	4876	47.4	111.2	GGG			31	26
09503W	3144N	5672-15180	00000/0000	1-10055/0288	02/19/77	30	3314	26.6	124.3	GGFG			27	38
09504W	3148N	5477-15350	00000/0000	1-10052/0368	08/08/76	20	0595	48.3	102.1	GGGG			27	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY (BLANK)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PAGE 0173

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
09504W	3147N	5513-15320	00000/0000	1-10053/0391	09/13/76	40	1097	42.4	117.8	GGGG			27	38
09505W	3148N	5495-15333	00000/0000	1-10052/0791	08/26/76	20	0846	45.6	109.6	FGGG			27	38
09505W	3143N	5531-15303	00000/0000	1-10054/0114	10/01/76	0	1348	38.5	125.4	GGGG			27	38
09506W	4433N	5675-15311	00000/0000	1-10056/0032	02/22/77	20	3356	21.6	130.8	GGGG			30	29
09507W	4434N	5657-15325	00000/0000	1-10055/0004	02/04/77	70	3105	16.7	134.5	GGGG			30	29
09508W	3144N	5816-15043	00000/0000	1-10060/0736	07/13/77	10	5322	44.4	89.7	GGG			27	38
09509W	4439N	5498-15464	00000/0000	1-10053/0066	08/29/76	20	0888	41.4	125.0	GGGG			30	29
09509W	2602N	5530-15263	00000/0000	1-10054/0070	09/30/76	60	1334	40.8	120.0	GGGG			26	42
09510W	4433N	5534-15434	00000/0000	1-10054/0165	10/04/76	50	1390	31.1	136.5	FGGG			30	29
09512W	2601N	5512-15280	00000/0000	1-10053/0347	09/12/76	40	1083	44.0	111.4	GGGF			26	42
09513W	4438N	5462-15494	00000/0000	1-10051/0659	07/24/76	0	0386	49.1	114.5	FGGG			30	29
09513W	3607N	5478-15392	00000/0000	1-10052/0031	08/09/76	10	0609	47.8	107.9	GGGG			28	35
09514W	4018N	5674-15265	00000/0000	1-10055/0293	02/21/77	0	3342	23.3	128.6	GGGG			29	32
09514W	3606N	5496-15375	00000/0000	1-10052/0772	08/27/76	0	0860	44.6	114.9	GGGG			28	35
09514W	3602N	5673-15223	00000/0000	1-10055/0268	02/20/77	10	3328	25.6	126.4	GGGG			28	35
09514W	3600N	5532-15345	00000/0000	1-10054/0125	10/02/76	10	1362	36.3	129.3	GGGG			28	35
09515W	4436N	5765-15230	00000/0000	1-10059/0044	05/23/77	10	4611	46.8	109.3	GGG			30	29
09515W	4022N	5497-15422	00000/0000	1-10053/0020	08/28/76	0	0874	43.2	120.0	GGGG			29	32
09516W	4432N	5801-15193	00000/0000	1-10060/0074	06/28/77	60	5113	47.0	104.0	GGG			30	29
09516W	4019N	5533-15392	00000/0000	1-10054/0144	10/03/76	90	1376	33.8	133.0	GGGG			29	32
09516W	2601N	5548-15250	00000/0000	1-10054/0451	10/18/76	30	1585	37.1	127.3	GGGG			26	42
09516W	2600N	5815-15003	00000/0000	1-10060/0540	07/12/77	20	5308	43.1	83.5	GGG			26	42
09517W	4436N	5783-15212	00000/0000	1-10059/0473	06/10/77	10	4862	47.8	105.7	GGG			30	29
09517W	4435N	5819-15174	00000/0000	1-10060/0632	07/16/77	10	5364	44.9	105.1	GGG			30	29
09517W	4022N	5479-15435	00000/0000	1-10052/0409	08/10/76	70	0623	46.9	113.5	GGGG			29	32
09517W	4018N	5515-15405	00000/0000	1-10053/0451	09/15/76	80	1125	38.8	126.8	GGGG			29	32
09517W	3601N	5817-15085	00000/0000	1-10060/0604	07/14/77	10	5336	44.9	94.6	GGG			28	35
09517W	2601N	5779-15041	00000/0000	1-10059/0420	06/06/77	10	4806	45.7	83.4	GGG			26	42
09519W	4023N	5461-15451	00000/0000	1-10051/0650	07/23/76	20	0372	50.0	108.5	GGGG			29	32
09521W	4017N	5818-15132	00000/0000	1-10060/0618	07/15/77	30	5350	45.1	99.8	GGG			29	32
09523W	4016N	5800-15151	00000/0000	1-10060/0167	06/27/77	0	5099	47.0	98.5	GGG			29	32
09524W	3601N	5781-15124	00000/0000	1-10059/0448	06/08/77	0	4834	47.6	94.7	GGF			28	35
09526W	4723N	5658-15374	00000/0000	1-10055/0019	02/05/77	10	3119	15.4	135.7	GGGG			31	27
09526W	4017N	5782-15170	00000/0000	1-10059/0518	06/09/77	10	3848	47.8	100.1	GGG			29	32
09527W	4731N	5499-15513	00000/0000	1-10053/0039	08/30/76	0	0902	39.9	128.3	GGGG			31	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0174

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
			RBV	MSS						123	45678				
09528W	4724N	5535-15483	00000/0000	1-10054/0210	10/05/76	80	1404	29.2	138.8						
09528W	3071N	5513-15322	00000/0000	1-10053/0392	09/13/76	40	1097	42.8	116.3	GGGG				31	27
09528W	3018N	5672-15183	00000/0000	1-10055/0289	02/19/77	60	3314	27.1	123.4	GGGG				27	39
09529W	3023N	5477-15352	00000/0000	1-10052/0369	08/08/76	10	0595	48.3	100.3	GGGG				27	39
09529W	3016N	5531-15305	00000/0000	1-10054/0115	10/01/76	0	1348	39.8	124.2	GGGG				27	39
09530W	4731N	5481-15530	00000/0000	1-10052/0437	08/12/76	70	0651	44.5	122.9	GGFG				31	27
09530W	3023N	5495-15335	00000/0000	1-10052/0792	08/26/76	30	0846	45.9	108.0	FGGG				27	39
09531W	4728N	5766-15275	00000/0000	1-10059/0054	05/24/77	10	4625	46.6	112.9	GGG				31	27
09531W	4726N	5463-15543	00000/0000	1-10052/0033	07/25/76	30	0400	48.2	118.6	FGGG				31	27
09532W	3018N	5816-15050	00000/0000	1-10060/0542	07/13/77	10	5322	44.1	88.1	GGG				27	39
09532W	2435N	5530-15265	00000/0000	1-10054/0071	09/30/76	90	1334	41.4	118.7	FGGG				26	43
09534W	2433N	5512-15282	00000/0000	1-10053/0348	09/12/76	40	1083	44.3	109.9	GGGG				26	43
09535W	4727N	5820-15223	00000/0000	1-10060/0646	07/17/77	10	5378	44.5	108.8	GGG				31	27
09535W	4722N	5802-15242	00000/0000	1-10060/0278	06/29/77	40	5127	46.8	107.8	GGG				31	27
09537W	4723N	5784-15261	00000/0000	1-10059/0475	06/11/77	80	4876	47.6	109.3	GGF				31	27
09538W	4308N	5675-15314	00000/0000	1-10056/0033	02/22/77	70	3356	22.2	130.0	GGGG				30	30
09539W	3442N	5478-15395	00000/0000	1-10052/0374	08/09/76	0	0609	48.0	106.1	GGGG				28	36
09539W	3441N	5496-15382	00000/0000	1-10052/0773	08/27/76	10	0860	44.9	113.3	GGGG				28	36
09539W	2432N	5815-15010	00000/0000	1-10060/0541	07/12/77	20	5308	42.7	82.1	GGG				26	43
09540W	4309N	5657-15331	00000/0000	1-10055/0005	02/04/77	80	3105	17.4	133.9	GGGG				30	30
09540W	3436N	5673-15225	00000/0000	1-10055/0269	02/20/77	0	3328	25.6	125.6	GGGG				28	36
09540W	3435N	5532-15352	00000/0000	1-10054/0126	10/02/76	10	1362	36.9	128.2	GGGG				28	36
09540W	2434N	5779-15044	00000/0000	1-10059/0421	06/06/77	20	4806	45.2	81.9	GGG				26	43
09542W	4314N	5480-15483	00000/0000	1-10052/0393	08/11/76	90	0637	46.0	117.4	FGFG				30	30
09542W	4314N	5498-15470	00000/0000	1-10053/0067	08/29/76	10	0888	41.2	123.5	FFFF				30	30
09542W	4308N	5534-15441	00000/0000	1-10054/0166	10/04/76	30	1390	32.0	135.4	FGGG				30	30
09543W	3852N	5674-15271	00000/0000	1-10055/0294	02/21/77	0	3342	24.0	127.8	GGGG				29	33
09543W	3435N	5817-15092	00000/0000	1-10060/0605	07/14/77	20	5336	44.7	93.0	GGG				28	36
09544W	3857N	5497-15424	00000/0000	1-10053/0021	08/28/76	10	0874	43.6	118.5	GGGG				29	33
09545W	3853N	5515-15411	00000/0000	1-10053/0452	09/15/76	90	1125	39.4	125.5	GGGG				29	33
09546W	4312N	5462-15500	00000/0000	1-10051/0660	07/24/76	0	0386	49.4	112.6	FGGG				30	30
09546W	3856N	5479-15441	00000/0000	1-10052/0410	08/10/76	30	0623	47.2	111.8	GGGG				29	33
09547W	4311N	5765-15233	00000/0000	1-10059/0045	05/23/77	0	4611	47.1	107.5	GGG				30	30
09547W	4307N	5801-15200	00000/0000	1-10060/0075	06/28/77	60	5113	47.0	102.2	GGG				30	30
09547W	3857N	5461-15454	00000/0000	1-10051/0651	07/23/76	0	0372	50.1	106.5	GGGG				29	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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 FROM 07/23/76 TO 07/23/77

PAGE 0175

PRINCIPAL POINT OF IMAGE LANG	OBSERVATION ID LAT	MICROFILM POSITION RBY	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
09548W	4308N	5819-15180	00000/0000	1-10060/0633	07/16/77	10	5364	45.0	103.4		GGG		30	30
09549W	4311N	5783-15215	00000/0000	1-10059/0460	06/10/77	10	4862	47.9	103.7		GGG		30	30
09550W	3851N	5818-15134	00000/0000	1-10060/0619	07/15/77	40	5350	45.0	98.1		GGG		29	33
09550W	3434N	5781-15130	00000/0000	1-10059/0449	06/08/77	0	4834	47.4	93.0		GGF		28	36
09552W	3850N	5800-15153	00000/0000	1-10060/0168	06/27/77	10	5099	46.9	96.7		GGG		29	33
09552W	2856N	5513-15325	00000/0000	1-10053/0393	09/13/76	40	1097	43.2	114.8		GGGG		27	40
09553W	2856N	5477-15355	00000/0000	1-10052/0370	08/08/76	10	0595	48.3	98.5		GGGG		27	40
09554W	2858N	5495-15342	00000/0000	1-10052/0793	08/26/76	30	0846	46.0	106.3		FFGG		27	40
09555W	3852N	5782-15172	00000/0000	1-10059/0519	06/09/77	30	3848	47.8	98.2		GGG		29	33
09557W	2852N	5816-15052	00000/0000	1-10060/0543	07/13/77	20	5322	43.8	86.6		GGG		27	40
09601W	4558N	5658-15380	00000/0000	1-10055/0020	02/05/77	10	3119	16.1	135.0		GGGG		31	28
09602W	4606N	5499-15515	00000/0000	1-10053/0040	08/30/76	10	0902	40.5	126.8		GGGG		31	28
09603W	4607N	5481-15532	00000/0000	1-10052/0438	08/12/76	10	0651	45.0	121.2		GGGG		31	28
09603W	4559N	5535-15490	00000/0000	1-10054/0211	10/05/76	10	1404	30.0	137.8		GGGG		31	28
09603W	3318N	5478-15401	00000/0000	1-10052/0375	08/09/76	0	0609	48.1	104.3		GGGG		28	37
09605W	4604N	5766-15282	00000/0000	1-10059/0055	05/24/77	10	4625	46.8	111.0		GGG		31	28
09605W	4601N	5463-15545	00000/0000	1-10052/0034	07/25/76	20	0400	48.6	116.7		GGGG		31	28
09605W	3317N	5496-15384	00000/0000	1-10052/0774	08/27/76	0	0860	45.2	111.7		GGGG		28	37
09605W	3309N	5532-15354	00000/0000	1-10054/0127	10/02/76	40	1362	37.6	127.0		GGGG		28	37
09605W	3309N	5673-15232	00000/0000	1-10055/0270	02/20/77	0	3328	26.2	124.8		GGGG		28	37
09608W	3310N	5817-15094	00000/0000	1-10060/0606	07/14/77	20	5336	44.5	91.4		GGG		28	37
09609W	4601N	5820-15225	00000/0000	1-10060/0647	07/17/77	20	5378	44.7	107.0		GGG		31	28
09609W	4556N	5802-15244	00000/0000	1-10060/0279	06/29/77	10	5127	46.8	105.9		GGG		31	28
09609W	4143N	5675-15320	00000/0000	1-10056/0034	02/22/77	50	3356	23.0	129.2		GGGG		30	31
09611W	4559N	5784-15264	00000/0000	1-10059/0476	06/11/77	70	4876	47.7	107.4		GGG		31	28
09611W	4143N	5657-15334	00000/0000	1-10055/0006	02/04/77	90	3105	18.2	133.2		GGGG		30	31
09611W	3726N	5674-15274	00000/0000	1-10055/0295	02/21/77	10	3342	24.6	127.0		GGG		29	34
09612W	4149N	5498-15473	00000/0000	1-10053/0068	08/29/76	0	0888	42.4	121.9		GGGG		30	31
09612W	3733N	5497-15431	00000/0000	1-10053/0022	08/28/76	30	0874	44.0	116.9		GGGG		29	34
09613W	4148N	5480-15490	00000/0000	1-10052/0394	08/11/76	60	0637	46.4	115.7		GGGG		30	31
09613W	4142N	5534-15443	00000/0000	1-10054/0167	10/04/76	50	1390	32.7	134.4		FFGG		30	31
09613W	3730N	5479-15444	00000/0000	1-10052/0411	08/10/76	10	0623	47.4	110.0		GPGG		29	34
09613W	3728N	5515-15414	00000/0000	1-10053/0453	09/15/76	80	1125	40.8	124.1		GGGG		29	34
09614W	3307N	5781-15133	00000/0000	1-10059/0450	06/08/77	10	4834	47.2	91.2		GGG		28	37
09615W	3732N	5461-15460	00000/0000	1-10051/0652	07/23/76	10	0372	50.2	104.5		GGGG		29	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
								RBV	MSS				
LONG	LAT	RBV	MSS					123	45678				
09616W	2730N	5477-15361	00000/0000	1-10052/0371	08/08/76	20	0595	48.2	96.7			27	41
09616W	2730N	5513-15331	00000/0000	1-10053/0394	09/13/76	50	1097	43.6	113.4			27	41
09617W	4856N	5500-15564	00000/0000	1-10053/0095	08/31/76	10	0916	39.0	130.0			32	26
09617W	4147N	5462-15503	00000/0000	1-10051/0661	07/24/76	10	0386	49.6	110.6			30	31
09617W	4145N	5765-15235	00000/0000	1-10059/0046	05/23/77	10	4611	47.2	105.6			30	31
09617W	2732N	5495-15344	00000/0000	1-10052/0794	08/26/76	30	0846	46.2	104.7			27	41
09618W	4850N	5518-15551	00000/0000	1-10053/0502	09/18/76	10	1167	33.7	135.3			32	26
09618W	4141N	5801-15202	00000/0000	1-10060/0076	06/28/77	70	5113	47.0	100.3			30	31
09618W	4141N	5819-15183	00000/0000	1-10060/0634	07/16/77	10	5364	45.0	101.7			30	31
09618W	3730N	5764-15193	00000/0000	1-10059/0107	05/22/77	10	4597	47.2	100.4			29	34
09618W	3726N	5818-15141	00000/0000	1-10060/0620	07/15/77	10	5350	44.9	96.4			29	34
09619W	4857N	5482-15581	00000/0000	1-10052/0467	08/13/76	80	0665	43.7	124.9			32	26
09619W	4145N	5783-15221	00000/0000	1-10059/0461	06/10/77	30	4862	47.9	101.9			30	31
09619W	3725N	5800-15160	00000/0000	1-10060/0169	06/27/77	10	5099	46.8	94.9			29	34
09619W	2726N	5816-15055	00000/0000	1-10060/0544	07/13/77	10	5322	43.4	85.1			27	41
09621W	4855N	5749-15345	00000/0000	1-10058/0127	05/07/77	0	4388	43.6	118.7			32	26
09621W	4848N	5536-15535	00000/0000	1-10054/0286	10/06/76	80	1418	28.6	140.0			32	26
09622W	4854N	5767-15331	00000/0000	1-10059/0172	05/25/77	0	4639	46.5	114.5			32	26
09622W	3726N	5782-15175	00000/0000	1-10059/0520	06/09/77	20	3848	47.7	96.4			29	34
09626W	4852N	5821-15274	00000/0000	1-10060/0580	07/18/77	30	5392	44.2	110.7			32	26
09626W	4847N	5803-15293	00000/0000	1-10060/0450	06/30/77	20	5141	46.5	109.7			32	26
09628W	3152N	5478-15404	00000/0000	1-10052/0376	08/09/76	10	0609	48.1	102.5			28	38
09630W	3144N	5532-15361	00000/0000	1-10054/0128	10/02/76	70	1362	38.2	125.8			28	38
09630W	3144N	5673-15234	00000/0000	1-10055/0271	02/20/77	0	3328	26.8	124.0			28	38
09631W	3152N	5496-15391	00000/0000	1-10053/0051	08/27/76	10	0860	45.5	110.1			28	38
09633W	3145N	5817-15101	00000/0000	1-10060/0607	07/14/77	10	5336	44.3	89.8			28	38
09634W	4433N	5658-15383	00000/0000	1-10055/0021	02/05/77	10	3119	16.8	134.3			31	29
09635W	4440N	5499-15522	00000/0000	1-10053/0041	08/30/76	10	0902	41.1	125.3			31	29
09636W	4441N	5481-15535	00000/0000	1-10052/0439	08/12/76	10	0651	45.4	119.5			31	29
09636W	4434N	5535-15492	00000/0000	1-10054/0212	10/05/76	0	1404	30.8	136.8			31	29
09638W	3607N	5497-15433	00000/0000	1-10053/0023	08/28/76	70	0874	44.4	115.3			29	35
09638W	2604N	5477-15364	00000/0000	1-10052/0372	08/08/76	10	0595	48.1	94.9			27	42
09638W	2603N	5513-15334	00000/0000	1-10053/0395	09/13/76	30	1097	43.5	111.9			27	42
09639W	4439N	5766-15284	00000/0000	1-10059/0056	05/24/77	10	4625	47.0	109.1			31	29
09639W	4436N	5463-15552	00000/0000	1-10052/0035	07/25/76	0	0400	48.9	114.8			31	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY (BLANK)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0177

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
09639W	4018N	5675-15323	00000/0000	1-10056/0035	02/22/77	90	3356	23.6	128.4	GGGG			30	32
09639W	3605N	5479-15450	00000/0000	1-10052/0412	08/10/76	10	0623	47.6	108.2	GPGG			29	35
09639W	3601N	5674-15280	00000/0000	1-10055/0296	02/21/77	0	3342	25.3	126.2	GGGG			29	35
09639W	3140N	5781-15135	00000/0000	1-10059/0434	06/08/77	10	4834	47.0	89.5	GGG			28	38
09640W	4017N	5657-15340	00000/0000	1-10055/0007	02/04/77	70	3105	19.0	132.5	GGGG			30	32
09640W	3603N	5515-15420	00000/0000	1-10053/0454	09/15/76	50	1125	40.5	122.8	GGGG			29	35
09640W	2605N	5495-15351	00000/0000	1-10052/0795	08/26/76	20	0846	46.3	103.0	FGGG			27	42
09641W	4434N	5820-15232	00000/0000	1-10060/0648	07/17/77	80	5378	44.8	105.3	GGG			31	29
09641W	4023N	5498-15475	00000/0000	1-10053/0069	08/29/76	0	0888	42.9	120.4	GGGG			30	32
09641W	2601N	5516-15061	00000/0000	1-10060/0545	07/13/77	20	5322	43.0	83.7	GGG			27	42
09642W	4431N	5802-15251	00000/0000	1-10060/0280	06/29/77	10	5127	46.8	104.0	GGG			31	29
09642W	4023N	5480-15492	00000/0000	1-10052/0395	08/11/76	70	0637	46.7	113.9	GGGG			30	32
09642W	4016N	5534-15450	00000/0000	1-10054/0168	10/04/76	90	1390	33.5	133.3	FGGG			30	32
09642W	3607N	5461-15463	00000/0000	1-10051/0653	07/23/76	10	0372	50.3	102.5	GGGG			29	35
09644W	4433N	5784-15270	00000/0000	1-10059/0477	06/11/77	80	4876	47.8	105.4	FFF			31	29
09645W	3603N	5764-15195	00000/0000	1-10059/0108	05/22/77	10	4597	47.8	98.7	GGG			29	35
09645W	3601N	5818-15143	00000/0000	1-10060/0621	07/15/77	10	5350	44.8	94.8	GGG			29	35
09646W	4021N	5462-15505	00000/0000	1-10051/0662	07/24/76	10	0386	49.8	108.6	GGGG			30	32
09646W	3600N	5800-15162	00000/0000	1-10060/0170	06/27/77	10	5099	46.6	93.2	GGF			29	35
09647W	4019N	5765-15242	00000/0000	1-10059/0047	05/23/77	10	4611	47.0	103.8	GGG			30	32
09647W	4016N	5819-15185	00000/0000	1-10060/0635	07/16/77	30	5364	45.0	100.0	GGG			30	32
09648W	4015N	5801-15205	00000/0000	1-10060/0077	06/28/77	70	5113	47.0	98.5	FGG			30	32
09649W	4020N	5783-15224	00000/0000	1-10059/0462	06/10/77	20	4862	47.0	100.0	GGG			30	32
09649W	3600N	5782-15181	00000/0000	1-10059/0521	06/09/77	10	3848	47.6	94.6	GGG			29	35
09652W	3026N	5478-15410	00000/0000	1-10052/0377	08/09/76	10	0609	48.2	100.7	GFGG			28	39
09653W	4731N	5500-15571	00000/0000	1-10053/0096	08/31/76	20	0916	39.7	128.6	GFGG			32	27
09654W	3018N	5673-15241	00000/0000	1-10055/0272	02/20/77	0	3328	27.4	123.1	GGGG			28	39
09655W	4732N	5482-15584	00000/0000	1-10052/0468	08/13/76	70	0665	44.0	123.2	GGGG			32	27
09655W	4725N	5518-15554	00000/0000	1-10053/0503	09/18/76	10	1167	34.5	134.1	GGGG			32	27
09656W	4723N	5536-15541	00000/0000	1-10054/0287	10/06/76	10	1418	28.9	139.0	GGG			32	27
09656W	3026N	5496-15393	00000/0000	1-10053/0052	08/27/76	10	0860	45.7	108.5	GGGG			28	39
09657W	4730N	5749-15351	00000/0000	1-10058/0128	05/07/77	0	4388	43.9	117.0	GGG			32	27
09657W	4728N	5767-15333	00000/0000	1-10059/0173	05/25/77	0	4639	46.7	112.6	GGG			32	27
09658W	3020N	5817-15103	00000/0000	1-10060/0608	07/14/77	20	5336	44.0	88.3	GGG			28	39
09700W	2435N	5513-15340	00000/0000	1-10053/0396	09/13/76	30	1097	44.2	110.4	GGGG			27	43

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, '77

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 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
09701W	2438N	5477-15370	00000/0000	1-10052/0373	08/08/76	10	0595	48.0	93.2	GGGG			27	43
09702W	4726N	5821-15281	00000/0000	1-10060/0581	07/18/77	20	5392	44.4	108.9	GGG			32	27
09702W	4722N	5803-15300	00000/0000	1-10060/0451	06/30/77	20	5141	46.7	107.8	GGG			32	27
09702W	2437N	5495-15353	00000/0000	1-10052/0796	08/26/76	30	0846	46.3	101.4	FFGF			27	43
09703W	3013N	5781-15142	00000/0000	1-10059/0435	06/08/77	10	4834	46.7	87.8	GGG			28	39
09703W	2435N	5816-15064	00000/0000	1-10060/0546	07/13/77	20	5322	42.6	82.3	GGG			27	43
09704W	3442N	5497-15440	00000/0000	1-10053/0024	08/28/76	90	0874	44.7	113.7	FFGG			29	36
09705W	3440N	5479-15453	00000/0000	1-10052/0413	08/10/76	0	0623	47.8	106.4	GPFG			29	36
09705W	3435N	5674-15283	00000/0000	1-10055/0297	02/21/77	0	3342	25.8	125.4	GGGG			29	36
09706W	4308N	5658-15385	00000/0000	1-10055/0022	02/05/77	40	3119	17.7	133.6	GGGG			31	30
09707W	4316N	5481-15541	00000/0000	1-10052/0440	08/12/76	10	0651	45.8	117.7	GGGG			31	30
09707W	4315N	5499-15524	00000/0000	1-10053/0042	08/30/76	10	0902	41.7	123.8	GGGG			31	30
09707W	3437N	5515-15423	00000/0000	1-10053/0455	09/15/76	10	1125	41.0	121.4	GGGG			29	36
09708W	4308N	5535-15495	00000/0000	1-10054/0213	10/05/76	0	1404	31.6	135.7	GGGG			31	30
09708W	3852N	5675-15325	00000/0000	1-10056/0036	02/22/77	90	3356	24.2	127.6	GGGG			30	33
09708W	3441N	5461-15465	00000/0000	1-10051/0654	07/23/76	20	0372	50.3	100.6	GGGG			29	36
09709W	3858N	5498-15482	00000/0000	1-10053/0070	08/29/76	0	0888	43.4	118.9	GFGF			30	33
09709W	3851N	5657-15343	00000/0000	1-10055/0008	02/04/77	30	3105	19.7	131.8	FFFG			30	33
09710W	3857N	5480-15495	00000/0000	1-10052/0396	08/11/76	70	0637	47.0	112.1	GGGG			30	33
09711W	4312N	5463-15554	00000/0000	1-10052/0036	07/25/76	10	0400	49.2	112.8	GGGG			31	30
09711W	3851N	5534-15452	00000/0000	1-10054/0169	10/04/76	90	1390	34.9	132.2	GGGG			30	33
09711W	3436N	5764-15202	00000/0000	1-10059/0109	05/22/77	40	4597	47.1	96.9	GGG			29	36
09711W	3436N	5818-15150	00000/0000	1-10060/0622	07/15/77	10	5350	44.6	93.2	GGG			29	36
09711W	3435N	5800-15165	00000/0000	1-10060/0171	06/27/77	50	5099	46.4	91.5	GGP			29	36
09712W	4313N	5766-15291	00000/0000	1-10059/0057	05/24/77	10	4625	47.2	107.3	GGG			31	30
09713W	4308N	5820-15234	00000/0000	1-10060/0649	07/17/77	30	5378	44.8	103.5	GGG			31	30
09714W	4306N	5802-15253	00000/0000	1-10060/0281	06/29/77	10	5127	46.9	102.2	GGG			31	30
09715W	3856N	5462-15512	00000/0000	1-10051/0663	07/24/76	10	0386	50.0	106.7	GGGG			30	33
09715W	3434N	5782-15184	00000/0000	1-10059/0522	06/09/77	0	3848	47.4	92.8	GGG			29	36
09716W	4307N	5784-15273	00000/0000	1-10059/0478	06/11/77	100	4876	47.9	103.5	GGF			31	30
09716W	3854N	5765-15244	00000/0000	1-10059/0048	05/23/77	30	4611	47.3	102.0	GGG			30	33
09716W	3852N	5819-15192	00000/0000	1-10060/0636	07/16/77	20	5364	44.8	98.3	GGG			30	33
09717W	3854N	5783-15230	00000/0000	1-10059/0463	06/10/77	10	4862	47.8	98.1	GGG			30	33
09717W	3850N	5801-15211	00000/0000	1-10060/0078	06/28/77	80	5113	46.9	96.7	GGG			30	33
09717W	2858N	5478-15413	00000/0000	1-10052/0378	08/09/76	10	0609	48.2	98.9	FFGG			28	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PAGE 0179

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
09718W	2851N	5673-15243	00000/0000	1-10055/0273	02/20/77	0	3328	27.9	122.3	GGGG				28	40
09719W	2853N	5532-15370	00000/0000	1-10054/0189	10/02/76	40	1362	39.4	123.4	GGGG				28	40
09720W	2900N	5496-15400	00000/0000	1-10053/0053	08/27/76	10	0860	45.9	106.8	GGGG				28	40
09722W	2854N	5817-15110	00000/0000	1-10060/0609	07/14/77	50	5336	43.7	86.8	GGG				28	40
09726W	2847N	5781-15144	00000/0000	1-10059/0436	06/08/77	10	4834	46.3	86.2	FGG				28	40
09728W	4607N	5500-15573	00000/0000	1-10053/0097	08/31/76	90	0916	40.3	127.1	GGGG				32	28
09729W	4600N	5518-15560	00000/0000	1-10053/0504	09/18/76	30	1167	35.2	132.9	GGGG				32	28
09730W	4607N	5482-15590	00000/0000	1-10052/0469	08/13/76	60	0665	44.9	121.5	GGGG				32	28
09730W	4557N	5536-15544	00000/0000	1-10054/0288	10/06/76	50	1418	29.7	138.0	GGGG				32	28
09730W	3316N	5497-15442	00000/0000	1-10053/0025	08/28/76	90	0874	45.0	112.1	FGGG				29	37
09730W	3315N	5479-15455	00000/0000	1-10052/0414	08/10/76	0	0623	47.9	104.6	PPGG				29	37
09731W	4605N	5464-16003	00000/0000	1-10052/0098	07/26/76	10	0414	48.4	116.9	GGGG				32	28
09731W	4605N	5749-15354	00000/0000	1-10058/0129	05/07/77	10	4388	44.3	115.3	GGG				32	28
09731W	3309N	5674-15285	00000/0000	1-10055/0298	02/21/77	0	3342	26.5	124.5	GGGG				29	37
09732W	4603N	5767-15340	00000/0000	1-10059/0174	05/25/77	0	4639	46.9	110.7	GGG				32	28
09733W	3311N	5515-15425	00000/0000	1-10053/0425	09/15/76	10	1125	41.5	120.0	GGGG				29	37
09736W	4559N	5821-15283	00000/0000	1-10060/0582	07/18/77	10	5392	44.5	107.2	GGG				32	28
09736W	4557N	5803-15302	00000/0000	1-10060/0452	06/30/77	10	5141	46.0	105.9	GGF				32	28
09736W	3726N	5675-15332	00000/0000	1-10056/0037	02/22/77	90	3356	24.9	126.7	GGGG				30	34
09736W	3309N	5800-15171	00000/0000	1-10060/0172	06/27/77	30	5099	46.2	89.8	GGF				29	37
09737W	4150N	5481-15544	00000/0000	1-10052/0441	08/12/76	20	0651	46.2	116.0	GGGG				31	31
09737W	4143N	5658-15392	00000/0000	1-10055/0023	02/05/77	10	3119	18.4	133.0	GGGG				31	31
09737W	3732N	5480-15501	00000/0000	1-10052/0397	08/11/76	40	0637	47.3	110.3	GGGG				30	34
09737W	3732N	5498-15484	00000/0000	1-10053/0071	08/29/76	0	0888	43.8	117.3	GGGG				30	34
09737W	3726N	5657-15345	00000/0000	1-10055/0009	02/04/77	0	3105	20.4	131.1	GGGG				30	34
09737W	3311N	5818-15152	00000/0000	1-10060/0623	07/15/77	10	5350	44.4	91.6	GGG				29	37
09737W	3310N	5764-15204	00000/0000	1-10059/0110	05/22/77	40	4597	47.0	95.1	GGG				29	37
09738W	4149N	5499-15531	00000/0000	1-10053/0043	08/30/76	10	0902	42.2	122.3	GGGG				31	31
09738W	4143N	5535-15501	00000/0000	1-10054/0214	10/05/76	10	1404	32.4	134.7	GGGF				31	31
09739W	3725N	5534-15455	00000/0000	1-10054/0170	10/04/76	90	1390	35.0	131.1	FFGF				30	34
09740W	3307N	5782-15190	00000/0000	1-10059/0485	06/09/77	0	4848	47.2	91.1	FGG				29	37
09741W	4147N	5463-15561	00000/0000	1-10052/0037	07/25/76	10	0400	49.5	110.9	GGGG				31	31
09741W	2730N	5478-15416	00000/0000	1-10052/0379	08/09/76	10	0609	48.1	97.1	GGGG				28	41
09741W	2726N	5532-15372	00000/0000	1-10054/0190	10/02/76	20	1362	40.0	122.1	GGGG				28	41
09742W	4848N	5660-15483	00000/0000	1-10055/0034	02/07/77	60	3147	15.1	136.0	GGGG				33	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE LONG	POINT LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
			RBV	MSS						123	45678				
09742W	4147N	5766-15293	00000/0000	1-10059/0058	05/24/77	10	4625	47.3	105.4		GGG			31	31
09742W	2725N	5673-15250	00000/0000	1-10055/0274	02/20/77	10	3328	28.5	121.4		GGGG			28	41
09743W	3730N	5462-15514	00000/0000	1-10051/0664	07/24/76	10	0386	50.1	104.7		GGGG			30	34
09743W	2730N	5514-15385	00000/0000	1-10053/0431	09/14/76	50	1111	43.4	113.9		GGGG			28	41
09744W	4853N	5501-16022	00000/0000	1-10053/0135	09/01/76	70	0930	38.8	130.3		GGGG			33	26
09744W	4142N	5820-15241	00000/0000	1-10060/0650	07/17/77	30	5378	44.8	101.8		GGG			31	31
09744W	3728N	5765-15251	00000/0000	1-10059/0049	05/23/77	50	4611	47.3	100.2		GGG			30	34
09744W	3728N	5819-15194	00000/0000	1-10060/0637	07/16/77	10	5364	44.8	96.6		GGG			30	34
09745W	4853N	5483-16035	00000/0000	1-10052/0511	08/14/76	40	0679	43.5	125.1		GGGG			33	26
09745W	4141N	5802-15260	00000/0000	1-10060/0282	06/29/77	10	5127	46.8	100.3		GGG			31	31
09745W	3729N	5783-15233	00000/0000	1-10059/0464	06/10/77	10	4862	47.7	96.3		GGG			30	34
09745W	3725N	5801-15214	00000/0000	1-10060/0079	06/28/77	50	5113	46.7	95.0		GGG			30	34
09746W	4142N	5784-15275	00000/0000	1-10059/0479	06/11/77	80	4876	47.9	101.6		GGG			31	31
09747W	2728N	5817-15112	00000/0000	1-10060/0610	07/14/77	30	5336	43.3	85.3		GGG			28	41
09749W	2722N	5781-15151	00000/0000	1-10059/0437	06/08/77	10	4834	46.0	84.6		GFG			28	41
09750W	4852N	5768-15384	00000/0000	1-10059/0280	05/26/77	40	4653	46.6	114.2		GGG			33	26
09751W	4850N	5822-15332	00000/0000	1-10060/0832	07/19/77	40	5406	44.1	110.8		GGG			33	26
09754W	3149N	5479-15462	00000/0000	1-10052/0415	08/10/76	0	0623	48.8	102.8		GPGG			29	38
09755W	3149N	5461-15474	00000/0000	1-10051/0655	07/23/76	30	0372	50.2	96.7		GGGG			29	38
09755W	3149N	5497-15445	00000/0000	1-10053/0026	08/28/76	70	0874	45.3	110.5		FGGG			29	38
09756W	3143N	5674-15292	00000/0000	1-10055/0299	02/21/77	10	3342	27.1	123.7		GGGG			29	38
09758W	3146N	5515-15432	00000/0000	1-10053/0426	09/15/76	10	1125	42.0	118.6		GGGG			29	38
09801W	4442N	5500-15580	00000/0000	1-10053/0098	08/31/76	80	0916	40.8	125.7		GGGG			32	29
09801W	3143N	5800-15174	00000/0000	1-10060/0173	06/27/77	10	5099	45.9	88.2		GGG			29	38
09802W	3145N	5764-15211	00000/0000	1-10059/0111	05/22/77	70	4597	46.9	93.4		GGG			29	38
09802W	3145N	5818-15155	00000/0000	1-10060/0624	07/15/77	0	5350	44.2	90.0		GGG			29	38
09803W	4442N	5482-15593	00000/0000	1-10052/0470	08/13/76	40	0665	45.2	119.8		GGGG			32	29
09803W	4435N	5518-15563	00000/0000	1-10053/0505	09/18/76	20	1167	35.9	131.6		GGGG			32	29
09803W	4432N	5536-15550	00000/0000	1-10054/0289	10/06/76	80	1418	30.5	137.0		FGGG			32	29
09803W	3608N	5480-15504	00000/0000	1-10052/0398	08/11/76	10	0637	47.5	108.6		GGGG			30	35
09803W	3607N	5498-15491	00000/0000	1-10053/0072	08/29/76	0	0888	44.2	115.7		GGGG			30	35
09803W	3600N	5675-15334	00000/0000	1-10056/0038	02/22/77	80	3356	25.5	125.9		GGGG			30	35
09803W	2600N	5532-15375	00000/0000	1-10054/0191	10/02/76	10	1362	40.5	120.9		GGGG			28	42
09804W	4440N	5464-16010	00000/0000	1-10052/0099	07/26/76	10	0414	48.8	115.0		GGGG			32	29
09804W	4439N	5749-15360	00000/0000	1-10058/0130	05/07/77	60	4388	44.6	113.5		GGG			32	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAKD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0181

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
09804W	3600N	5657-15352	00000/0000	1-10055/0010	02/04/77	0	3105	21.2	130.5	GGGG			30	35
09805W	4438N	5767-15342	00000/0000	1-10059/0175	05/25/77	10	4639	47.1	108.9	GGG			32	29
09805W	3141N	5782-15193	00000/0000	1-10059/0486	06/09/77	10	4848	46.9	89.4	GGG			29	38
09805W	2603N	5514-15392	00000/0000	1-10053/0432	09/14/76	30	1111	43.7	112.4	GGGG			28	42
09805W	2559N	5673-15252	00000/0000	1-10055/0275	02/20/77	30	3328	29.0	120.5	GGGG			28	42
09806W	3600N	5534-15461	00000/0000	1-10054/0145	10/04/76	70	1390	35.7	130.0	GGGG			30	35
09807W	4025N	5481-15550	00000/0000	1-10052/0442	08/12/76	10	0651	46.5	114.3	GGGG			31	32
09807W	4024N	5499-15533	00000/0000	1-10053/0044	08/30/76	10	0902	42.7	120.8	GGGG			31	32
09807W	4017N	5658-15394	00000/0000	1-10055/0024	02/05/77	10	3119	19.2	132.3	GGG			31	32
09807W	2603N	5478-15422	00000/0000	1-10052/0380	08/09/76	10	0609	48.0	95.4	GGGG			28	42
09808W	4434N	5821-15290	00000/0000	1-10060/0583	07/18/77	0	5392	44.6	105.4	GGG			32	29
09808W	4018N	5535-15504	00000/0000	1-10054/0215	10/05/76	30	1404	33.2	133.6	GGGF			31	32
09809W	4432N	5803-15305	00000/0000	1-10060/0453	06/30/77	10	5141	46.8	104.0	GGG			32	29
09809W	3605N	5462-15521	00000/0000	1-10051/0665	07/24/76	0	0386	50.2	102.8	GGGG			30	35
09809W	2601N	5817-15115	00000/0000	1-10060/0611	07/14/77	30	5336	42.9	83.9	GGG			28	42
09811W	4022N	5463-15563	00000/0000	1-10052/0038	07/25/76	0	0400	49.7	108.9	FGGG			31	32
09811W	3603N	5819-15201	00000/0000	1-10060/0638	07/16/77	10	5364	44.7	95.0	GGG			30	35
09811W	3602N	5765-15253	00000/0000	1-10059/0050	05/23/77	60	4611	47.3	98.4	GGG			30	35
09812W	4021N	5766-15300	00000/0000	1-10059/0059	05/24/77	10	4625	47.4	103.6	GGG			31	32
09812W	3603N	5783-15235	00000/0000	1-10059/0465	06/10/77	10	4862	47.6	94.5	GGG			30	35
09812W	2557N	5781-15153	00000/0000	1-10059/0438	06/08/77	0	4834	45.6	83.0	GFG			28	42
09813W	4017N	5820-15243	00000/0000	1-10060/0651	07/17/77	10	5378	44.8	100.1	GGG			31	32
09813W	3600N	5801-15220	00000/0000	1-10060/0080	06/28/77	10	5113	46.5	93.2	GGG			30	35
09814W	4015N	5802-15262	00000/0000	1-10060/0283	06/29/77	0	5127	46.9	98.5	GGG			31	32
09816W	4017N	5784-15282	00000/0000	1-10059/0480	06/11/77	30	4876	47.9	99.8	GGG			31	32
09818W	4723N	5660-15490	00000/0000	1-10055/0035	02/07/77	40	3147	15.9	135.3	GGGG			33	27
09819W	3023N	5479-15464	00000/0000	1-10052/0416	08/10/76	10	0623	48.0	101.0	GGGG			29	39
09820W	3017N	5674-15294	00000/0000	1-10055/0300	02/21/77	40	3342	27.6	122.8	GGGG			29	39
09821W	4727N	5501-16025	00000/0000	1-10053/0136	09/01/76	70	0930	39.4	128.9	GGGG			33	27
09822W	4729N	5483-16042	00000/0000	1-10052/0512	08/14/76	60	0679	44.0	123.4	GGGG			33	27
09823W	4730N	5465-16055	00000/0000	1-10052/0084	07/27/76	60	0428	47.9	119.1	GGGG			33	27
09823W	3021N	5515-15434	00000/0000	1-10053/0427	09/15/76	60	1125	42.4	117.2	GGGG			29	39
09825W	4726N	5768-15391	00000/0000	1-10059/0281	05/26/77	80	4653	46.8	112.4	GGG			33	27
09826W	4723N	5822-15334	00000/0000	1-10060/0833	07/19/77	40	5406	44.2	109.1	GGG			33	27
09826W	3020N	5764-15213	00000/0000	1-10059/0112	05/22/77	90	4597	46.7	91.7	GGG			29	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0182

PRINCIPAL PRINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
09826W	3019N	5818-15161	00000/0000	1-10060/0625	07/15/77	10	5350	43.9	88.5	GGG			29	39
09826W	3017N	5800-15180	00000/0000	1-10060/0174	06/27/77	10	5099	45.5	86.6	GGG			29	39
09827W	4722N	5804-15354	00000/0000	1-10060/0318	07/01/77	10	5155	46.6	107.8	GGG			33	27
09828W	4723N	5786-15373	00000/0000	1-10059/0523	06/13/77	60	4904	47.6	109.0	GGG			33	27
09829W	3442N	5480-15510	00000/0000	1-10052/0399	08/11/76	10	0637	47.6	106.8	GGGG			30	36
09829W	3441N	5498-15493	00000/0000	1-10053/0073	08/29/76	10	0888	44.5	114.2	GGGG			30	36
09829W	3435N	5675-15341	00000/0000	1-10056/0039	02/22/77	30	3356	26.1	125.1	GGGG			30	36
09829W	3015N	5782-15195	00000/0000	1-10059/0487	06/09/77	30	4848	46.6	87.7	GGG			29	39
09830W	3434N	5657-15354	00000/0000	1-10055/0011	02/04/77	10	3105	21.8	129.8	GFGG			30	36
09833W	4316N	5500-15582	00000/0000	1-10053/0099	08/31/76	60	0916	41.4	124.2	GGGG			32	30
09833W	3435N	5534-15464	00000/0000	1-10054/0146	10/04/76	70	1390	36.4	128.9	GGGG			30	36
09835W	4316N	5482-15595	00000/0000	1-10052/0471	08/13/76	40	0665	45.6	118.1	GGGG			32	30
09835W	4310N	5518-15565	00000/0000	1-10053/0506	09/18/76	50	1167	36.6	130.4	GGGG			32	30
09835W	4306N	5536-15553	00000/0000	1-10054/0290	10/06/76	80	1418	31.4	136.0	GGGG			32	30
09835W	3851N	5658-15401	00000/0000	1-10055/0025	02/05/77	0	3119	19.8	131.6	GGGF			31	33
09835W	3438N	5462-15523	00000/0000	1-10051/0666	07/24/76	10	0386	50.2	100.8	GGGG			30	36
09836W	4313N	5749-15363	00000/0000	1-10058/0131	05/07/77	80	4388	44.8	111.8	GGG			32	30
09836W	3901N	5481-15553	00000/0000	1-10052/0443	08/12/76	10	0651	46.8	112.5	GGGG			31	33
09836W	3859N	5499-15540	00000/0000	1-10053/0045	08/30/76	50	0902	43.2	119.3	GGGG			31	33
09837W	4315N	5464-15012	00000/0000	1-10052/0100	07/26/76	20	0414	49.1	113.1	GGGG			32	30
09837W	3852N	5535-15510	00000/0000	1-10054/0216	10/05/76	30	1404	34.0	132.6	GGGF			31	33
09838W	4312N	5767-15345	00000/0000	1-10059/0176	05/25/77	40	4639	47.3	107.0	FGG			32	30
09838W	3438N	5819-15203	00000/0000	1-10060/0639	07/16/77	0	5364	44.5	93.3	GGG			30	36
09838W	3437N	5765-15260	00000/0000	1-10059/0051	05/23/77	50	4611	47.2	96.6	GGG			30	36
09838W	3436N	5783-15242	00000/0000	1-10059/0466	06/10/77	10	4862	47.4	92.8	GGG			30	36
09839W	4308N	5821-15292	00000/0000	1-10060/0584	07/18/77	10	5392	44.7	103.7	GGG			32	30
09840W	4306N	5803-15311	00000/0000	1-10060/0454	06/30/77	10	5141	46.8	102.2	GGG			32	30
09840W	3857N	5463-15570	00000/0000	1-10052/0039	07/25/76	10	0400	49.8	106.9	GGGG			31	33
09840W	3435N	5801-15223	00000/0000	1-10060/0081	06/28/77	0	5113	46.3	91.5	GGG			30	36
09841W	3856N	5766-15302	00000/0000	1-10059/0060	05/24/77	10	4625	47.4	101.7	GGG			31	33
09842W	3852N	5820-15250	00000/0000	1-10060/0652	07/17/77	0	5378	44.8	98.4	GGG			31	33
09843W	3850N	5802-15265	00000/0000	1-10060/0284	06/29/77	10	5127	46.8	96.7	GGG			31	33
09843W	2857N	5479-15471	00000/0000	1-10052/0417	08/10/76	10	0623	48.0	99.3	GGGG			29	40
09844W	2851N	5674-15301	00000/0000	1-10055/0301	02/21/77	60	3342	28.2	122.0	GGGF			29	40
09845W	3851N	5784-15284	00000/0000	1-10059/0481	06/11/77	10	4876	47.8	97.9	GGG			31	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US

PAGE 0183

FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
09848W	2855N	5515-15441	00000/0000	1-10053/0428	09/15/76	70	1125	42.9	115.8	GGGG			29	40
09848W	2855N	5764-15220	00000/0000	1-10059/0113	05/22/77	90	4597	46.4	90.1	GGG			29	40
09850W	2859N	5818-15164	00000/0000	1-10060/0626	07/15/77	20	5350	43.6	87.0	GGG			29	40
09851W	2851N	5800-15183	00000/0000	1-10060/0175	06/27/77	10	5099	45.2	85.0	GGG			29	40
09852W	2848N	5782-15202	00000/0000	1-10059/0488	06/09/77	30	4848	46.8	86.1	GGG			29	40
09853W	4558N	5660-15492	00000/0000	1-10055/0036	02/07/77	10	3147	16.6	134.6	GGGG			33	28
09855W	4601N	5501-16031	00000/0000	1-10053/0137	09/01/76	10	0930	40.0	127.4	GGGG			33	28
09855W	3316N	5480-15513	00000/0000	1-10052/0400	08/11/76	0	0637	47.8	105.0	GGGG			30	37
09855W	3309N	5675-15343	00000/0000	1-10056/0040	02/22/77	30	3356	26.7	124.2	GGFG			30	37
09856W	3308N	5657-15361	00000/0000	1-10055/0012	02/04/77	10	3105	22.6	129.1	GGGG			30	37
09857W	4605N	5465-16061	00000/0000	1-10052/0085	07/27/76	80	0428	48.2	117.1	GGGG			33	28
09857W	4605N	5483-16044	00000/0000	1-10052/0513	08/14/76	90	0679	44.5	121.7	GGGG			33	28
09859W	3310N	5534-15470	00000/0000	1-10054/0147	10/04/76	90	1390	37.1	127.8	GGGG			30	37
09900W	4600N	5768-15393	00000/0000	1-10059/0282	05/26/77	60	4653	47.0	110.5	GGG			33	28
09901W	4557N	5804-15360	00000/0000	1-10060/0319	07/01/77	10	5155	46.7	105.9	GGG			33	28
09901W	4557N	5822-15341	00000/0000	1-10060/0834	07/19/77	30	5406	44.4	107.3	GGG			33	28
09901W	3311N	5462-15530	00000/0000	1-10051/0667	07/24/76	10	0386	50.2	98.9	GGGG			30	37
09902W	4558N	5786-15375	00000/0000	1-10059/0524	06/13/77	30	4904	47.7	107.1	GGG			33	28
09903W	4150N	5500-15585	00000/0000	1-10053/0100	08/31/76	80	0916	41.8	122.7	FGGG			32	31
09903W	3733N	5499-15542	00000/0000	1-10053/0046	08/30/76	90	0902	43.6	117.7	GGGG			31	34
09903W	3726N	5658-15403	00000/0000	1-10055/0026	02/05/77	0	3119	20.6	130.9	GGGG			31	34
09904W	3735N	5481-15555	00000/0000	1-10052/0444	08/12/76	10	0651	47.1	110.7	GGGG			31	34
09904W	3312N	5765-15262	00000/0000	1-10059/0052	05/23/77	40	4611	47.1	94.8	GGG			30	37
09904W	3312N	5819-15210	00000/0000	1-10060/0640	07/16/77	0	5364	44.3	91.8	GGG			30	37
09904W	3310N	5783-15244	00000/0000	1-10059/0467	06/10/77	10	4862	47.2	91.0	GGG			30	37
09905W	4144N	5518-15572	00000/0000	1-10053/0507	09/18/76	50	1167	37.3	129.2	GGGG			32	31
09905W	3727N	5535-15513	00000/0000	1-10054/0217	10/05/76	10	1404	34.7	131.5	GGGF			31	34
09905W	3310N	5801-15225	00000/0000	1-10060/0082	06/28/77	0	5113	46.1	89.8	GGG			30	37
09906W	4849N	5661-15541	00000/0000	1-10055/0181	02/08/77	30	3151	15.4	135.8	GGGG			34	26
09906W	4847N	5679-15523	00000/0000	1-10056/0098	02/26/77	40	3412	20.8	132.6	GGG			34	26
09906W	4150N	5482-16002	00000/0000	1-10052/0472	08/13/76	20	0665	46.0	116.3	GGGG			32	31
09906W	4141N	5536-15555	00000/0000	1-10054/0291	10/06/76	90	1418	32.2	135.0	GGGG			32	31
09907W	4149N	5464-16015	00000/0000	1-10052/0101	07/26/76	40	0414	49.3	111.1	GGGG			32	31
09907W	4147N	5749-15365	00000/0000	1-10058/0132	05/07/77	90	4388	45.0	110.1	GGG			32	31
09908W	3731N	5463-15572	00000/0000	1-10052/0040	07/25/76	10	0400	50.0	105.0	GGGG			31	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US

PAGE 0184

FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
09908W	2731N	5479-15473	00000/0000	1-10052/0418	08/10/76	10	0623	48.0	97.5		GGGG		29	41
09908W	2726N	5674-15303	00000/0000	1-10055/0302	02/21/77	70	3342	28.7	121.1		GGGG		29	41
09909W	4854N	5502-16080	00000/0000	1-10053/0149	09/02/76	30	0944	38.5	130.6		GGGG		34	26
09909W	4146N	5767-15351	00000/0000	1-10059/0177	05/25/77	70	4639	47.4	105.1		GGG		32	31
09909W	4143N	5821-15295	00000/0000	1-10060/0585	07/18/77	10	5392	44.7	102.0		GGG		32	31
09910W	4854N	5484-16099	00000/0000	1-10052/0502	08/15/76	10	0693	43.9	125.4		GGGG		34	26
09910W	4852N	5520-16063	00000/0000	1-10053/0533	09/20/76	20	1195	33.1	135.9		GGG		34	26
09910W	3728N	5820-15252	00000/0000	1-10060/0653	07/17/77	10	5378	44.7	96.8		GGG		31	34
09911W	4141N	5803-15314	00000/0000	1-10060/0455	06/30/77	10	5141	46.8	100.3		GGG		32	31
09911W	3724N	5802-15271	00000/0000	1-10060/0285	06/29/77	20	5127	46.6	95.0		GGG		31	34
09911W	2729N	5515-15443	00000/0000	1-10053/0429	09/15/76	60	1125	43.2	114.3		GGGG		29	41
09911W	2728N	5764-15222	00000/0000	1-10059/0114	05/22/77	90	4597	46.1	88.4		GGG		29	41
09912W	4849N	5538-16050	00000/0000	1-10054/0324	10/08/76	10	1446	27.3	140.5		GGGG		34	26
09913W	3726N	5784-15291	00000/0000	1-10059/0482	06/11/77	10	4876	47.3	96.1		GGG		31	34
09913W	2727N	5818-15170	00000/0000	1-10060/0627	07/15/77	10	5350	43.2	85.5		GGG		29	41
09914W	4856N	5751-15460	00000/0000	1-10058/0135	05/09/77	50	4416	44.0	118.2		GFG		34	26
09915W	2724N	5800-15185	00000/0000	1-10060/0176	06/27/77	20	5099	44.8	83.4		GGF		29	41
09915W	2722N	5782-15204	00000/0000	1-10059/0489	06/09/77	10	4848	45.9	84.5		GGG		29	41
09916W	4850N	5823-15390	00000/0000	1-10061/0162	07/20/77	10	5420	43.8	111.0		GGG		34	26
09917W	4854N	5769-15442	00000/0000	1-10059/0146	05/27/77	70	4667	46.7	114.1		GGG		34	26
09918W	4846N	5805-15405	00000/0000	1-10060/0369	07/02/77	30	5169	46.3	109.7		GGG		34	26
09920W	3150N	5480-15515	00000/0000	1-10052/0401	08/11/76	0	0637	47.9	103.2		GGGG		30	38
09921W	3142N	5657-15363	00000/0000	1-10055/0013	02/04/77	10	3105	23.3	128.4		GGGG		30	38
09923W	3148N	5498-15502	00000/0000	1-10053/0074	08/29/76	70	0888	45.1	111.0		GGGG		30	38
09924W	3146N	5534-15473	00000/0000	1-10054/0148	10/04/76	90	1390	37.8	126.6		GGGG		30	38
09925W	4433N	5660-15495	00000/0000	1-10055/0037	02/07/77	0	3147	17.4	133.9		GGGG		33	29
09926W	3144N	5462-15532	00000/0000	1-10051/0668	07/24/76	30	0386	50.1	97.0		GGGG		30	38
09928W	4436N	5501-16034	00000/0000	1-10053/0138	09/01/76	10	0930	40.6	126.0		FGGG		33	29
09929W	3146N	5819-15212	00000/0000	1-10060/0641	07/16/77	0	5364	44.1	90.2		GGG		30	38
09929W	3144N	5783-15251	00000/0000	1-10059/0468	06/10/77	10	4862	46.8	89.3		GGG		30	38
09930W	4440N	5483-16051	00000/0000	1-10052/0514	08/14/76	80	0679	45.0	120.0		GGGG		33	29
09930W	4439N	5465-16064	00000/0000	1-10052/0086	07/27/76	90	0428	48.6	115.2		GGGG		33	29
09930W	3607N	5499-15545	00000/0000	1-10053/0047	08/30/76	90	0902	44.0	116.2		GGGG		31	35
09930W	3600N	5658-15410	00000/0000	1-10055/0027	02/05/77	0	3119	21.4	130.2		GGGG		31	35
09930W	3145N	5801-15232	00000/0000	1-10060/0083	06/28/77	10	5113	45.8	88.2		GGG		30	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0185

PRINCIPAL POINT OF IMAGE LONG	POINT LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV#	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT	ID	RBV	MSS	ACQUIRED	%	NUMBER	ELEV#	AZIM.	123 45678	MODE	GAIN	NUM.	NUM.
09931W	3609N	5481-15562	00000/0000	1-10052/0445	08/12/76	10	0651	47.3	109.0	GGGG			31	35
09931W	2601N	5674-15310	00000/0000	1-10055/0303	02/21/77	90	3342	29.2	120.2	GGGG			29	42
09932W	4016N	5659-15452	00000/0000	1-10055/0195	02/06/77	80	3133	19.4	132.1	GGGG			32	32
09932W	3602N	5535-15515	00000/0000	1-10054/0218	10/05/76	0	1404	35.4	130.4	GGGF			31	35
09932W	2604N	5479-15480	00000/0000	1-10052/0419	08/10/76	0	0623	47.9	95.7	GGGG			29	42
09932W	2602N	5515-15450	00000/0000	1-10053/0430	09/15/76	60	1125	43.6	112.9	GGGG			29	42
09933W	4435N	5768-15400	00000/0000	1-10059/0283	05/26/77	30	4653	47.2	108.6	GGG			33	29
09933W	4432N	5822-15343	00000/0000	1-10060/0835	07/19/77	40	5406	44.5	105.6	GGG			33	29
09933W	4024N	5500-15591	00000/0000	1-10053/0101	08/31/76	40	0916	42.5	121.2	GFGG			32	32
09934W	4431N	5804-15363	00000/0000	1-10060/0320	07/01/77	0	5155	46.7	104.0	GGG			33	29
09934W	3605N	5463-15575	00000/0000	1-10052/0041	07/25/76	10	0400	50.0	103.1	GGGG			31	35
09935W	4433N	5786-15382	00000/0000	1-10059/0525	06/13/77	50	4904	47.8	105.2	GGG			33	29
09935W	4024N	5482-16004	00000/0000	1-10052/0473	08/13/76	10	0665	46.3	114.6	GGGG			32	32
09935W	4019N	5518-15574	00000/0000	1-10053/0508	09/18/76	70	1167	38.0	127.9	GGGG			32	32
09935W	4016N	5536-15562	00000/0000	1-10054/0292	10/06/76	90	1418	32.8	133.9	GGGG			32	32
09935W	2602N	5764-15225	00000/0000	1-10059/0115	05/22/77	80	4597	45.8	86.8	GGG			29	42
09935W	2600N	5818-15173	00000/0000	1-10060/0628	07/15/77	10	5350	42.8	84.1	GGG			29	42
09937W	4022N	5464-16021	00000/0000	1-10052/0102	07/26/76	50	0414	49.5	109.2	GGGG			32	32
09937W	4021N	5749-15372	00000/0000	1-10058/0133	05/07/77	80	4388	45.2	108.4	GGG			32	32
09937W	3603N	5820-15255	00000/0000	1-10060/0654	07/17/77	10	5378	44.5	95.1	GGG			31	35
09937W	2556N	5782-15211	00000/0000	1-10059/0490	06/09/77	10	4848	45.5	82.9	GGG			29	42
09937W	2556N	5800-15192	00000/0000	1-10060/0177	06/27/77	0	5099	44.4	82.0	GGF			29	42
09938W	3559N	5802-15274	00000/0000	1-10060/0286	06/29/77	60	5127	46.5	93.3	GGG			31	35
09939W	4020N	5767-15354	00000/0000	1-10059/0178	05/25/77	90	4639	47.4	103.3	GGG			32	32
09939W	4018N	5821-15301	00000/0000	1-10060/0586	07/18/77	0	5392	44.7	100.3	GGG			32	32
09940W	4015N	5803-15320	00000/0000	1-10060/0456	06/30/77	10	5141	46.8	98.5	GGG			32	32
09940W	3600N	5784-15293	00000/0000	1-10059/0483	06/11/77	10	4876	47.5	94.3	GGG			31	35
09942W	4724N	5661-15543	00000/0000	1-10055/0182	02/08/77	10	3161	16.1	135.1	GGGG			34	27
09942W	4723N	5679-15530	00000/0000	1-10056/0099	02/26/77	90	3412	21.5	131.7	GGGG			34	27
09945W	3016N	5657-15370	00000/0000	1-10055/0014	02/04/77	10	3105	23.9	127.6	GGGG			30	39
09946W	4729N	5502-16083	00000/0000	1-10053/0150	09/02/76	0	0944	39.1	129.2	GGGG			34	27
09946W	4726N	5520-16070	00000/0000	1-10053/0534	09/20/76	30	1195	33.8	134.7	GGGG			34	27
09946W	3023N	5480-15522	00000/0000	1-10052/0402	08/11/76	10	0637	47.8	101.5	GGGG			30	39
09947W	4730N	5484-16100	00000/0000	1-10052/0503	08/15/76	20	0693	43.8	123.7	GGGG			34	27
09947W	3020N	5534-15475	00000/0000	1-10054/0149	10/04/76	90	1390	38.4	125.4	GGGG			30	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0186

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.	
									RBV	MSS					
LONG	LAT	RBV	MSS							123	45678				
09948W	4724N	5538-16053	00000/0000	1-10054/0325	10/08/76	0	1446	28.2	139.5					34	27
09950W	4731N	5751-15463	00000/0000	1-10058/0136	05/09/77	30	4416	44.9	116.5					34	27
09950W	4728N	5466-16113	00000/0000	1-10052/0071	07/28/76	0	0442	47.7	119.2					34	27
09952W	4725N	5823-15392	00000/0000	1-10061/0163	07/20/77	50	5420	44.1	109.2					34	27
09952W	3020N	5819-15215	00000/0000	1-10060/0642	07/16/77	10	5364	43.8	88.7					30	39
09953W	4729N	5769-15445	00000/0000	1-10059/0147	05/27/77	80	4667	46.9	112.2					34	27
09953W	4722N	5805-15411	00000/0000	1-10060/0370	07/02/77	30	5169	46.5	107.8					34	27
09953W	3018N	5783-15253	00000/0000	1-10059/0469	06/10/77	10	4862	46.6	87.6					30	39
09953W	3018N	5801-15234	00000/0000	1-10060/0084	06/28/77	70	5113	45.5	86.6					30	39
09956W	3441N	5499-15551	00000/0000	1-10053/0048	08/30/76	90	0902	44.3	114.6					31	36
09956W	3434N	5658-15412	00000/0000	1-10055/0028	02/05/77	0	3119	22.1	129.5					31	36
09957W	4308N	5660-15501	00000/0000	1-10055/0038	02/07/77	0	3147	18.2	133.2					33	30
09958W	3443N	5481-15564	00000/0000	1-10052/0446	08/12/76	10	0651	47.5	107.2					31	36
09958W	3436N	5535-15522	00000/0000	1-10054/0219	10/05/76	0	1404	36.2	129.3					31	36
10000W	4312N	5501-16040	00000/0000	1-10053/0139	09/01/76	0	0930	41.2	124.5					33	30
10000W	3853N	5677-15441	00000/0000	1-10056/0075	02/24/77	0	3384	24.9	127.1					32	33
10000W	3439N	5463-15581	00000/0000	1-10052/0042	07/25/76	10	0400	50.1	101.1					31	36
10001W	3851N	5659-15455	00000/0000	1-10055/0196	02/06/77	50	3133	20.1	131.4					32	33
10002W	4314N	5465-16070	00000/0000	1-10052/0087	07/27/76	50	0428	48.9	113.3					33	30
10002W	3858N	5500-15594	00000/0000	1-10053/0102	08/31/76	30	0916	42.9	119.7					32	33
10003W	3438N	5820-15261	00000/0000	1-10060/0655	07/17/77	10	5378	44.4	93.5					31	36
10004W	3858N	5482-16011	00000/0000	1-10052/0474	08/13/76	30	0665	46.6	112.9					32	33
10004W	3853N	5518-15581	00000/0000	1-10053/0509	09/18/76	20	1167	38.6	126.6					32	33
10004W	3851N	5536-15564	00000/0000	1-10054/0293	10/06/76	70	1418	33.7	132.9					32	33
10004W	3434N	5802-15280	00000/0000	1-10060/0287	06/29/77	20	5127	46.2	91.5					31	36
10005W	4310N	5768-15402	00000/0000	1-10059/0284	05/26/77	30	4653	47.4	106.7					33	30
10005W	4308N	5822-15350	00000/0000	1-10060/0836	07/19/77	30	5406	44.5	103.9					33	30
10006W	4306N	5804-15365	00000/0000	1-10060/0321	07/01/77	10	5155	46.8	102.2					33	30
10006W	3856N	5464-16024	00000/0000	1-10052/0103	07/26/76	20	0414	49.7	107.2					32	33
10006W	3856N	5749-15374	00000/0000	1-10058/0134	05/07/77	40	4388	45.4	106.7					32	33
10007W	4307N	5786-15384	00000/0000	1-10059/0526	06/13/77	70	4904	47.8	103.3					33	30
10007W	3853N	5821-15304	00000/0000	1-10060/0587	07/18/77	0	5392	44.6	98.6					32	33
10007W	3435N	5784-15300	00000/0000	1-10059/0484	06/11/77	10	4876	47.4	92.5					31	36
10009W	2850N	5657-15372	00000/0000	1-10055/0015	02/04/77	0	3105	24.6	126.9					30	40
10010W	2852N	5534-15482	00000/0000	1-10054/0150	10/04/76	90	1390	39.0	124.2					30	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING

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 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0187

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
10011W	2857N	5480-15524	00000/0000	1-10052/0403	08/11/76	10	0637	47.9	99.7	GGGG				30	40
10012W	2856N	5516-15495	00000/0000	1-10053/0586	09/16/76	70	1139	42.7	116.3	GGGG				30	40
10015W	2853N	5819-15221	00000/0000	1-10060/0643	07/16/77	10	5364	43.5	87.2	GGG				30	40
10016W	2852N	5783-15260	00000/0000	1-10059/0470	06/10/77	10	4862	46.9	86.0	GGG				30	40
10017W	4559N	5661-15550	00000/0000	1-10055/0183	02/08/77	10	3161	16.9	134.4	GGGG				34	28
10017W	4557N	5679-15532	00000/0000	1-10056/0100	02/26/77	50	3412	22.2	130.8	GGGG				34	28
10017W	2852N	5801-15241	00000/0000	1-10060/0085	06/28/77	60	5113	45.1	85.0	GGG				30	40
10020W	4604N	5502-16085	00000/0000	1-10053/0151	09/02/76	0	0944	39.7	127.8	GGGG				34	28
10020W	4601N	5520-16072	00000/0000	1-10053/0535	09/20/76	10	1195	34.6	133.5	GGGG				34	28
10022W	3315N	5499-15554	00000/0000	1-10053/0049	08/30/76	90	0902	44.7	113.0	GGGG				31	37
10022W	3308N	5658-15415	00000/0000	1-10055/0029	02/05/77	0	3119	22.8	128.8	GGGG				31	37
10023W	4606N	5484-16102	00000/0000	1-10052/0504	08/15/76	40	0693	44.3	122.0	GGGG				34	28
10023W	4559N	5538-16055	00000/0000	1-10054/0326	10/08/76	10	1446	29.1	138.5	GGGG				34	28
10023W	3312N	5535-15524	00000/0000	1-10054/0220	10/05/76	0	1404	36.8	128.2	FGGG				31	37
10023W	3309N	5676-15401	00000/0000	1-10056/0041	02/23/77	0	3370	27.0	124.0	FGGG				31	37
10024W	4605N	5751-15465	00000/0000	1-10058/0137	05/09/77	20	4416	44.6	114.8	GGG				34	28
10024W	4603N	5466-16115	00000/0000	1-10052/0072	07/28/76	0	0442	48.1	117.3	GGGG				34	28
10024W	3317N	5481-15571	00000/0000	1-10052/0447	08/12/76	0	0651	47.6	105.4	GGGG				31	37
10025W	3313N	5463-15584	00000/0000	1-10052/0043	07/25/76	10	0400	50.1	99.2	GGGG				31	37
10026W	4600N	5823-15395	00000/0000	1-10061/0164	07/20/77	90	5420	44.2	107.5	GGG				34	28
10027W	4604N	5769-15451	00000/0000	1-10059/0148	05/27/77	70	4667	47.1	110.3	GGG				34	28
10027W	4557N	5805-15414	00000/0000	1-10060/0371	07/02/77	30	5169	46.6	105.9	GPG				34	28
10027W	4142N	5660-15504	00000/0000	1-10055/0039	02/07/77	0	3147	18.8	132.5	GGGG				33	31
10028W	3727N	5677-15444	00000/0000	1-10056/0076	02/24/77	10	3384	25.5	126.2	GGG				32	34
10028W	3311N	5820-15264	00000/0000	1-10060/0656	07/17/77	0	5378	44.2	91.9	GGG				31	37
10029W	3726N	5659-15461	00000/0000	1-10055/0197	02/06/77	30	3133	20.9	130.7	GGGG				32	34
10030W	3733N	5500-16000	00000/0000	1-10053/0103	08/31/76	50	0916	43.4	118.2	GGGG				32	34
10030W	3909N	5802-15283	00000/0000	1-10060/0288	06/29/77	30	5127	46.0	89.9	GGG				31	37
10031W	4147N	5501-16043	00000/0000	1-10053/0140	09/01/76	10	0930	41.7	123.0	GGGG				33	31
10032W	4148N	5483-16060	00000/0000	1-10052/0515	08/14/76	80	0679	45.8	116.6	GGGG				33	31
10032W	3733N	5482-16013	00000/0000	1-10052/0475	08/13/76	40	0665	46.9	111.1	GGGG				32	34
10032W	3727N	5518-15583	00000/0000	1-10053/0510	09/18/76	20	1167	39.2	125.3	GGGG				32	34
10032W	3725N	5536-15571	00000/0000	1-10054/0294	10/06/76	40	1418	34.5	131.8	GGGG				32	34
10033W	4847N	5680-15581	00000/0000	1-10056/0109	02/27/77	90	3426	21.2	132.4	GGGG				35	26
10033W	4846N	5662-15595	00000/0000	1-10055/0064	02/09/77	10	3175	15.6	135.7	FFFF				35	26

KFYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 BB

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0188

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10033W	4147N	5750-15423	00000/0000	1-10059/0001	05/08/77	90	4402	45.2	109.8	FFF			33	31
10033W	3731N	5749-15381	00000/0000	1-10058/0119	05/07/77	10	4388	45.8	105.0	GGG			32	34
10033W	2725N	5534-15484	00000/0000	1-10054/0151	10/04/76	50	1390	39.6	123.0	GGGG			30	41
10033W	2724N	5657-15375	00000/0000	1-10055/0016	02/04/77	10	3105	25.2	126.2	GGGG			30	41
10034W	4855N	5503-16134	00000/0000	1-10053/0164	09/03/76	0	0958	38.2	130.9	GGGG			35	26
10034W	3730N	5464-16030	00000/0000	1-10052/0104	07/26/76	10	0414	49.8	105.3	GGGG			32	34
10034W	2731N	5480-15531	00000/0000	1-10052/0404	08/11/76	10	0637	47.8	97.9	FGGG			30	41
10034W	2729N	5516-15501	00000/0000	1-10053/0587	09/16/76	50	1139	43.1	114.8	GGGG			30	41
10035W	4145N	5768-15405	00000/0000	1-10059/0285	05/26/77	40	4653	47.4	104.9	GGG			33	31
10035W	4144N	5822-15352	00000/0000	1-10060/0837	07/19/77	10	5406	44.6	102.1	FGF			33	31
10036W	3728N	5821-15310	00000/0000	1-10060/0588	07/18/77	10	5392	44.5	97.0	GGG			32	34
10037W	4853N	5485-16151	00000/0000	1-10052/0534	08/16/76	60	0707	43.0	125.7	GGGG			35	26
10037W	4140N	5804-15372	00000/0000	1-10060/0322	07/01/77	10	5155	46.7	100.4	GGG			33	31
10037W	2726N	5819-15224	00000/0000	1-10060/0644	07/16/77	10	5364	43.1	85.7	GGG			30	41
10038W	4850N	5539-16104	00000/0000	1-10054/0243	10/09/76	10	1460	27.0	140.8	GGG			35	26
10038W	4142N	5786-15391	00000/0000	1-10059/0527	06/13/77	50	4904	47.8	101.4	GGG			33	31
10039W	4853N	5467-16164	00000/0000	1-10052/0123	07/29/76	90	0456	47.1	121.3	GGGG			35	26
10040W	2727N	5783-15262	00000/0000	1-10059/0471	06/10/77	0	4862	45.9	84.4	GGG			30	41
10041W	4855N	5752-15514	00000/0000	1-10058/0250	05/10/77	10	4430	44.2	118.0	GGG			35	26
10041W	2726N	5801-15243	00000/0000	1-10060/0086	06/28/77	10	5113	44.7	83.5	GGG			30	41
10044W	4847N	5806-15463	00000/0000	1-10060/0265	07/03/77	10	5183	46.2	109.7	GGG			35	26
10047W	3147N	5535-15531	00000/0000	1-10054/0221	10/05/76	0	1404	37.8	127.0	GGGF			31	38
10047W	3142N	5658-15421	00000/0000	1-10055/0030	02/05/77	0	3119	23.4	128.1	GGGG			31	38
10048W	3149N	5499-15560	00000/0000	1-10053/0050	08/30/76	90	0902	45.0	111.4	GGGG			31	38
10048W	3143N	5676-15404	00000/0000	1-10056/0042	02/23/77	10	3370	27.6	123.1	FGGG			31	38
10049W	3151N	5481-15573	00000/0000	1-10052/0448	08/12/76	0	0651	47.1	103.6	GGGG			31	38
10050W	4432N	5679-15535	00000/0000	1-10056/0101	02/26/77	10	3412	22.8	130.0	GGG			34	29
10051W	4433N	5661-15552	00000/0000	1-10055/0184	02/08/77	0	3161	17.7	133.7	GGGG			34	29
10053W	4438N	5502-16092	00000/0000	1-10053/0152	09/02/76	0	0944	40.3	126.3	GGGG			34	29
10053W	4436N	5520-16075	00000/0000	1-10053/0536	09/20/76	0	1195	35.3	132.3	GGGG			34	29
10053W	3145N	5820-15270	00000/0000	1-10060/0657	07/17/77	10	5378	43.8	90.4	GGG			31	38
10056W	4441N	5484-16105	00000/0000	1-10052/0505	08/15/76	70	0693	44.8	120.4	GGGG			34	29
10056W	4434N	5538-16062	00000/0000	1-10054/0327	10/08/76	10	1446	29.8	137.6	GGGG			34	29
10056W	4017N	5660-15510	00000/0000	1-10055/0040	02/07/77	20	3147	19.6	131.8	GGGG			33	32
10056W	4017N	5678-15493	00000/0000	1-10056/0066	02/25/77	40	3398	24.5	127.7	FGGF			33	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0189

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
10056W 3601N	5677-15450	00000/0000	1-10056/0077	02/24/77	0	3384	26.1	125.4	GGGG				32	35
10056W 3600N	5659-15464	00000/0000	1-10055/0198	02/06/77	20	3133	21.6	130.0	GFGG				32	35
10056W 2602N	5516-15504	00000/0000	1-10053/0588	09/16/76	50	1139	43.4	113.4	GGGG				30	42
10056W 2558N	5657-15381	00000/0000	1-10055/0017	02/04/77	10	3105	25.9	125.4	GGGG				30	42
10057W 4439N	5751-15472	00000/0000	1-10058/0138	05/09/77	30	4416	44.8	113.0	GGG				34	29
10057W 4438N	5466-16122	00000/0000	1-10052/0073	07/28/76	10	0442	48.4	115.4	GGGG				34	29
10057W 3607N	5500-16003	00000/0000	1-10053/0104	08/31/76	30	0916	43.8	116.6	GGGG				32	35
10057W 2604N	5480-15533	00000/0000	1-10052/0405	08/11/76	10	0637	47.8	96.2	GGGG				30	42
10057W 2558N	5534-15491	00000/0000	1-10054/0152	10/04/76	30	1390	40.1	121.7	GGGG				30	42
10058W 4434N	5823-15401	00000/0000	1-10061/0165	07/20/77	90	5420	44.9	105.7	GGG				34	29
10058W 3559N	5536-15573	00000/0000	1-10054/0295	10/06/76	80	1418	35.2	130.7	GGGG				32	35
10059W 3608N	5482-16020	00000/0000	1-10052/0476	08/13/76	20	0665	47.1	109.4	GG				32	35
10059W 3606N	5749-15383	00000/0000	1-10058/0120	05/07/77	10	4388	45.6	103.3	GGG				32	35
10059W 3602N	5518-15590	00000/0000	1-10053/0511	09/18/76	10	1167	39.8	124.0	GGGG				32	35
10100W 4431N	5805-15420	00000/0000	1-10060/0372	07/02/77	50	5169	46.6	104.0	FGG				34	29
10100W 4022N	5501-16045	00000/0000	1-10053/0141	09/01/76	10	0930	42.2	121.5	GGGG				33	32
10100W 4019N	5519-16032	00000/0000	1-10053/0482	09/19/76	90	1181	37.7	128.3	GGGG				33	32
10101W 3604N	5464-16033	00000/0000	1-10052/0105	07/26/76	10	0414	49.9	103.3	GGGG				32	35
10102W 4024N	5465-16075	00000/0000	1-10052/0088	07/27/76	30	0428	49.4	109.4	GGGG				33	32
10102W 4022N	5483-16062	00000/0000	1-10052/0483	08/14/76	20	0679	46.1	114.9	GGGG				33	32
10102W 4021N	5750-15425	00000/0000	1-10059/0002	05/08/77	30	4402	45.4	108.1	FFF				33	32
10103W 3602N	5821-15313	00000/0000	1-10060/0589	07/18/77	0	5392	44.4	95.3	GGG				32	35
10103W 2601N	5783-15265	00000/0000	1-10059/0472	06/10/77	10	4862	45.5	82.8	GGG				30	42
10104W 4018N	5822-15355	00000/0000	1-10060/0838	07/19/76	0	5406	44.8	100.5	FGG				33	32
10104W 2558N	5801-15250	00000/0000	1-10060/0087	06/28/77	10	5113	44.2	82.0	GGG				30	42
10105W 4020N	5768-15411	00000/0000	1-10059/0286	05/26/77	40	4653	47.5	103.0	GGG				33	32
10106W 4015N	5804-15374	00000/0000	1-10060/0323	07/01/77	0	5155	46.7	98.6	GGG				33	32
10107W 4017N	5786-15393	00000/0000	1-10059/0528	06/13/77	70	4904	47.8	99.5	GGG				33	32
10109W 4722N	5680-15584	00000/0000	1-10056/0110	02/27/77	90	3426	21.9	131.5	GFGG				35	27
10110W 4730N	5503-16141	00000/0000	1-10053/0165	09/03/76	0	0958	38.8	129.5	GGGG				35	27
10110W 4722N	5662-16001	00000/0000	1-10055/0065	02/09/77	0	3175	16.4	134.9	GGGG				35	27
10111W 3021N	5535-15533	00000/0000	1-10054/0222	10/05/76	10	1404	38.1	125.8	GGGF				31	39
10111W 3016N	5658-15424	00000/0000	1-10055/0031	02/05/77	0	3119	24.1	127.4	GGGG				31	39
10113W 3017N	5676-15410	00000/0000	1-10056/0043	02/23/77	10	3370	28.1	122.2	GFGG				31	39
10114W 4728N	5485-16154	00000/0000	1-10052/0535	08/16/76	30	0707	43.5	124.0	GGGG				35	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0190

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10114W	4725N	5539-16111	00000/0000	1-10054/0244	10/09/76	10	1460	27.9	139.8	GGGG			35	27
10114W	3024N	5481-15580	00000/0000	1-10052/0449	08/12/76	0	0651	47.8	101.9	GGGG			31	39
10115W	4731N	5521-16124	00000/0000	1-10053/0589	09/21/76	0	1209	33.5	135.0	GGGG			35	27
10115W	4729N	5467-16171	00000/0000	1-10052/0124	07/29/76	10	0456	47.5	119.4	GGGG			35	27
10116W	4729N	5752-15521	00000/0000	1-10058/0251	05/10/77	10	4430	44.5	116.2	GGG			36	27
10117W	3019N	5820-15273	00000/0000	1-10060/0658	07/17/77	10	5378	43.7	88.9	GGG			31	39
10120W	4722N	5806-15465	00000/0000	1-10060/0276	07/03/77	20	5183	46.4	107.8	GG			35	27
10122W	3436N	5677-15453	00000/0000	1-10056/0078	02/24/77	0	3384	26.7	124.5	GGGG			32	36
10123W	4308N	5661-15555	00000/0000	1-10055/0185	02/08/77	0	3161	18.4	133.0	GGGG			34	30
10123W	4307N	5679-15541	00000/0000	1-10056/0102	02/26/77	0	3412	23.6	129.1	GGGG			34	30
10123W	3434N	5659-15470	00000/0000	1-10055/0199	02/06/77	10	3133	22.3	129.3	GGGG			32	36
10124W	4311N	5520-16081	00000/0000	1-10053/0537	09/20/76	10	1195	36.1	131.1	GGGG			34	30
10124W	3441N	5500-16005	00000/0000	1-10053/0105	08/31/76	30	0916	44.2	115.1	GGGG			32	36
10125W	4313N	5502-16094	00000/0000	1-10053/0153	09/02/76	0	0944	40.8	124.9	GGGG			34	30
10125W	3852N	5678-15495	00000/0000	1-10056/0047	02/25/77	90	3398	25.2	126.8	FGGG			33	33
10125W	3851N	5660-15513	00000/0000	1-10055/0041	02/07/77	30	3147	20.4	131.1	GGGG			33	33
10125W	3439N	5749-15390	00000/0000	1-10058/0121	05/07/77	10	4388	45.6	101.6	GGG			32	36
10125W	3436N	5518-15592	00000/0000	1-10053/0512	09/18/76	30	1167	40.4	122.7	GGGG			32	36
10125W	3434N	5536-15580	00000/0000	1-10054/0296	10/06/76	90	1418	35.9	129.6	GGGG			32	36
10126W	3443N	5482-16022	00000/0000	1-10052/0477	08/13/76	10	0665	47.3	107.6	FGFG			32	36
10128W	4313N	5751-15474	00000/0000	1-10058/0139	05/09/77	70	4416	45.2	111.3	FFF			34	30
10128W	4310N	5538-16064	00000/0000	1-10054/0328	10/08/76	0	1446	30.7	136.6	GGGG			34	30
10128W	3439N	5464-16035	00000/0000	1-10052/0106	07/26/76	10	0414	49.9	101.4	GGGG			32	36
10129W	4316N	5484-16111	00000/0000	1-10052/0506	08/15/76	70	0693	45.2	118.7	GGGG			34	30
10129W	4312N	5466-16124	00000/0000	1-10052/0074	07/28/76	20	0442	48.7	113.5	GGGG			34	30
10129W	3856N	5501-16052	00000/0000	1-10053/0142	09/01/76	30	0930	42.7	120.0	GGGG			33	33
10129W	3853N	5519-16035	00000/0000	1-10053/0483	09/19/76	90	1181	38.3	127.0	GGGG			33	33
10129W	3437N	5821-15315	00000/0000	1-10060/0590	07/18/77	0	5392	44.3	93.7	GGG			32	36
10130W	4309N	5823-15404	00000/0000	1-10061/0166	07/20/77	90	5420	44.4	104.0	GGG			34	30
10130W	3856N	5750-15432	00000/0000	1-10059/0003	05/08/77	10	4402	45.6	106.3	FFF			33	33
10131W	3858N	5465-16082	00000/0000	1-10052/0089	07/27/76	90	0428	49.5	107.5	GGGG			33	33
10131W	3856N	5483-16065	00000/0000	1-10052/0484	08/14/76	0	0679	46.5	113.2	GGG			33	33
10132W	4306N	5805-15423	00000/0000	1-10060/0373	07/02/77	60	5169	46.7	102.2	GGG			34	30
10133W	5010N	5807-15514	00000/0000	1-10060/0300	07/04/77	10	5197	46.0	111.6	GGG			36	25
10133W	3852N	5822-15361	00000/0000	1-10060/0839	07/19/77	10	5406	44.5	98.8	FGG			33	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0191

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10134W	2854N	5535-15540	00000/0000	1-10054/0223	10/05/76	10	1404	38.8	124.6	GGGF			31	40
10135W	3854N	5768-15414	00000/0000	1-10059/0287	05/26/77	50	4653	47.5	101.2	GGG			33	33
10135W	3850N	5804-15381	00000/0000	1-10060/0324	07/01/77	0	5155	46.6	96.8	GGG			33	33
10135W	2850N	5658-15430	00000/0000	1-10055/0032	02/05/77	0	3119	24.8	126.6	GGGG			31	40
10136W	3852N	5786-15400	00000/0000	1-10059/0529	06/13/77	50	4904	47.7	97.7	GGG			33	33
10137W	2858N	5481-15582	00000/0000	1-10052/0450	08/12/76	10	0651	47.8	100.1	GGGG			31	40
10137W	2852N	5676-15413	00000/0000	1-10056/0044	02/23/77	0	3370	28.7	121.4	FGGG			31	40
10140W	2853N	5820-15275	00000/0000	1-10060/0659	07/17/77	20	5378	43.4	87.4	GGG			31	40
10144W	4557N	5662-15004	00000/0000	1-10055/0066	02/09/77	0	3175	17.2	134.2	GGGG			35	28
10144W	4557N	5680-15590	00000/0000	1-10056/0111	02/27/77	50	3426	22.6	130.6	GGGG			35	28
10145W	4603N	5503-16143	00000/0000	1-10053/0166	09/03/76	0	0958	39.5	128.1	FGGG			35	28
10148W	3310N	5677-15455	00000/0000	1-10056/0074	02/24/77	0	3384	27.3	123.7	GGG			32	37
10148W	3307N	5659-15473	00000/0000	1-10055/0200	02/06/77	10	3133	23.0	128.5	GGGF			32	37
10149W	4603N	5467-16173	00000/0000	1-10052/0125	07/29/76	0	0456	47.9	117.5	GGGG			35	28
10149W	4603N	5485-16160	00000/0000	1-10052/0536	08/16/76	10	0707	44.3	122.4	GGGG			35	28
10149W	4600N	5539-16113	00000/0000	1-10054/0245	10/09/76	0	1460	28.7	138.8	GGGG			35	28
10150W	4606N	5521-16130	00000/0000	1-10053/0590	09/21/76	0	1209	34.3	133.8	GGGG			35	28
10150W	4603N	5752-15523	00000/0000	1-10058/0252	05/10/77	20	4430	44.8	114.5	GGG			35	28
10150W	3315N	5500-16012	00000/0000	1-10053/0106	08/31/76	70	0916	44.5	113.5	GGGG			32	37
10151W	3313N	5749-15392	00000/0000	1-10058/0122	05/07/77	10	4388	45.6	99.9	GGG			32	37
10151W	3310N	5518-15595	00000/0000	1-10053/0513	09/18/76	80	1167	40.9	121.3	GGGG			32	37
10151W	3308N	5536-15582	00000/0000	1-10054/0297	10/06/76	70	1418	36.6	128.5	GGGG			32	37
10152W	3727N	5678-15502	00000/0000	1-10056/0068	02/25/77	90	3398	25.8	126.0	FGGG			33	34
10152W	3726N	5660-15515	00000/0000	1-10055/0042	02/07/77	10	3147	21.1	130.4	GGGG			33	34
10152W	3318N	5482-16025	00000/0000	1-10052/0478	08/13/76	10	0665	47.5	105.8	GG			32	37
10153W	4142N	5679-15544	00000/0000	1-10056/0103	02/26/77	0	3412	24.2	128.3	GGGG			34	31
10153W	3314N	5464-16042	00000/0000	1-10052/0107	07/26/76	10	0414	49.5	99.5	GGGG			32	37
10154W	4556N	5806-15472	00000/0000	1-10060/0266	07/03/77	60	5183	46.5	105.9	FGG			35	28
10154W	4146N	5520-16084	00000/0000	1-10053/0538	09/20/76	30	1195	36.7	129.9	GGGG			34	31
10154W	4143N	5661-15561	00000/0000	1-10055/0186	02/08/77	0	3161	19.1	132.3	GGGG			34	31
10154W	3311N	5821-15322	00000/0000	1-10060/0591	07/18/77	0	5392	44.1	92.1	GGG			32	37
10156W	4147N	5502-16101	00000/0000	1-10053/0154	09/02/76	0	0944	41.5	123.4	GGGG			34	31
10157W	4848N	5663-16053	00000/0000	1-10055/0090	02/10/77	10	3189	15.9	135.5	GGGG			36	26
10157W	3730N	5501-16054	00000/0000	1-10053/0143	09/01/76	30	0930	43.2	118.5	GGGG			33	34
10157W	3727N	5519-16041	00000/0000	1-10053/0484	09/19/76	70	1181	39.0	125.7	GGGG			33	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0192

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10157W	2727N	5535-15542	00000/0000	1-10054/0224	10/05/76	20	1404	39.3	123.4	GGGF			31	41
10158W	4846N	5681-16035	00000/0000	1-10056/0154	02/28/77	40	3440	21.5	132.2	GGGG			36	26
10158W	4148N	5751-15481	00000/0000	1-10058/0140	05/09/77	30	4416	45.4	109.5	GGG			34	31
10158W	3731N	5483-16071	00000/0000	1-10052/0485	08/14/76	10	0679	46.7	111.4	GGGG			33	34
10158W	3731N	5750-15434	00000/0000	1-10059/0004	05/08/77	20	4402	45.7	104.6	FPF			33	34
10158W	2724N	5658-15433	00000/0000	1-10055/0033	02/05/77	0	3119	25.4	125.9	GGGG			31	41
10159W	4150N	5484-16114	00000/0000	1-10056/0507	08/15/76	100	0693	45.6	117.0	GGGG			34	31
10159W	4146N	5466-16131	00000/0000	1-10052/0075	07/28/76	40	0442	49.0	111.6	GGGG			34	31
10159W	4145N	5538-16071	00000/0000	1-10054/0329	10/08/76	0	1446	31.5	135.6	GGGG			34	31
10159W	3732N	5465-16084	00000/0000	1-10052/0090	07/27/76	40	0428	49.7	105.6	GGGG			33	34
10200W	2727N	5676-15415	00000/0000	1-10056/0045	02/23/77	0	3370	29.2	120.5	FGGG			31	41
10201W	4143N	5823-15410	00000/0000	1-10061/0167	07/20/77	80	5420	44.4	102.3	GGG			34	31
10201W	3727N	5822-15364	00000/0000	1-10060/0840	07/19/77	0	5406	44.4	97.1	GGG			33	34
10201W	2731N	5481-15585	00000/0000	1-10052/0451	08/12/76	10	0651	47.8	98.4	GGFG			31	41
10202W	4855N	5486-16205	00000/0000	1-10052/0566	08/17/76	90	0721	42.8	126.0	FGGG			36	26
10202W	4852N	5504-16192	00000/0000	1-10053/0201	09/04/76	20	0972	37.9	131.2	GGGG			36	26
10202W	4850N	5540-16162	00000/0000	1-10054/0258	10/10/76	40	1474	26.7	141.0	GGGG			36	26
10202W	4849N	5522-16175	00000/0000	1-10053/0571	09/22/76	10	1223	32.5	136.4	GGG			36	26
10202W	4141N	5805-15425	00000/0000	1-10060/0374	07/02/77	30	5169	46.6	100.4	GGG			34	31
10202W	3725N	5804-15383	00000/0000	1-10060/0325	07/01/77	10	5155	46.5	95.0	GGG			33	34
10202W	2727N	5820-15282	00000/0000	1-10060/0660	07/17/77	20	5378	43.6	85.9	GGG			31	41
10203W	3729N	5768-15420	00000/0000	1-10059/0288	05/26/77	30	4653	47.5	99.4	GGG			33	34
10204W	4856N	5753-15572	00000/0000	1-10058/0264	05/11/77	10	4444	44.4	117.8	GGG			36	26
10205W	3726N	5786-15402	00000/0000	1-10059/0530	06/13/77	20	4904	47.6	95.8	GGG			33	34
10209W	4850N	5771-15554	00000/0000	1-10059/0258	05/29/77	60	4695	46.9	113.6	GGP			36	26
10209W	4849N	5825-15501	00000/0000	1-10061/0017	07/22/77	50	5448	43.6	111.2	GGG			36	26
10210W	4847N	5789-15540	00000/0000	1-10059/0617	06/16/77	50	4946	47.4	110.6	GGG			36	26
10210W	4846N	5807-15520	00000/0000	1-10060/0301	07/04/77	10	5197	46.1	109.7	GGG			36	26
10213W	3144N	5677-15462	00000/0000	1-10056/0079	02/24/77	0	3384	27.8	122.8	GGGG			32	38
10213W	3141N	5659-15475	00000/0000	1-10055/0201	02/06/77	0	3133	23.6	127.8	GGGG			32	38
10215W	3144N	5518-16001	00000/0000	1-10053/0514	09/18/76	90	1167	41.4	120.0	GGGG			32	38
10215W	3143N	5536-15585	00000/0000	1-10054/0298	10/06/76	40	1418	37.3	127.4	GGGG			32	38
10216W	3147N	5749-15395	00000/0000	1-10058/0123	05/07/77	40	4388	45.6	98.3	GGG			32	38
10217W	4432N	5662-16010	00000/0000	1-10055/0067	02/09/77	0	3175	17.9	133.5	GGGG			35	29
10217W	4432N	5680-15593	00000/0000	1-10056/0112	02/27/77	10	3426	23.2	129.8	FGGG			35	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0193

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG LAT		RBV MSS						123 45678				
10217W	3149N	5464-16044	07/26/76	10	0414	49.9	97.6	GGGG			32	38
10218W	3153N	5482-16031	08/13/76	0	0665	47.6	104.1	GG			32	38
10218W	3145N	5821-15324	07/18/77	0	5392	43.8	90.6	GGG			32	38
10219W	4437N	5503-16150	09/03/76	0	0958	40.4	126.7	GGGG			35	29
10219W	3600N	5660-15522	02/07/77	30	3147	21.8	129.7	GGGG			33	35
10220W	3601N	5678-15504	02/25/77	90	3398	26.4	125.1	GGGG			33	35
10222W	4438N	5467-16180	07/29/76	10	0456	48.2	115.6	GGGG			35	29
10222W	4438N	5485-16163	08/16/76	10	0707	44.5	120.7	GGP			35	29
10223W	4440N	5521-16133	09/21/76	0	1209	35.0	132.6	GGGG			35	29
10223W	4437N	5752-15530	05/10/77	10	4430	45.1	112.7	GGG			35	29
10223W	4436N	5539-16120	10/09/76	0	1460	29.6	137.8	FGGG			35	29
10223W	4017N	5679-15550	02/26/77	0	3412	24.8	127.4	GGGG			34	32
10224W	4017N	5661-15564	02/08/77	0	3161	19.9	131.6	FGGG			34	32
10224W	3604N	5501-16061	09/01/76	30	0930	43.6	117.0	GGGG			33	35
10225W	4436N	5770-15512	05/28/77	10	4681	47.4	108.1	GGG			35	29
10225W	4021N	5520-16090	09/20/76	60	1195	37.4	128.6	GGGG			34	32
10225W	3601N	5519-16044	09/19/76	40	1181	39.5	124.4	GGGG			33	35
10226W	3607N	5465-16091	07/27/76	30	0428	49.8	103.6	GGGG			33	35
10226W	3605N	5483-16074	08/14/76	10	0679	47.0	109.7	GGGG			33	35
10226W	3605N	5750-15441	05/08/77	10	4402	45.7	102.9	FFF			33	35
10227W	4432N	5788-15493	06/15/77	60	4932	47.7	104.9	FGG			35	29
10227W	4431N	5806-15474	07/03/77	10	5183	46.5	104.1	FGF			35	29
10227W	4023N	5751-15483	05/09/77	40	4416	45.6	107.8	GGG			34	32
10227W	4022N	5502-16103	09/02/76	0	0944	42.0	121.9	GGGG			34	32
10228W	4024N	5484-16120	08/15/76	90	0693	45.2	115.3	GGG			34	32
10229W	4021N	5466-16133	07/28/76	10	0442	49.2	109.6	GGGG			34	32
10229W	4019N	5538-16073	10/08/76	0	1446	32.3	134.5	GGGG			34	32
10229W	3602N	5822-15370	07/19/77	0	5406	44.3	95.5	GGG			33	35
10230W	4018N	5823-15413	07/20/77	20	5420	44.4	100.6	GGG			34	32
10230W	3604N	5768-15423	05/26/77	30	4653	47.4	97.6	GGG			33	35
10230W	3559N	5804-15390	07/01/77	10	5155	46.3	93.3	GGG			33	35
10232W	4016N	5805-15432	07/02/77	0	5169	46.6	98.6	GGG			34	32
10232W	3601N	5786-15405	06/13/77	10	4904	47.5	94.1	GGG			33	35
10234W	4723N	5663-16055	02/10/77	10	3189	16.6	134.8	GGGG			36	27
10235W	4722N	5681-16042	02/28/77	50	3440	22.2	131.3	GGGG			36	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0194

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV							123 45678				
10237W	3018N	5677-15464	00000/0000	1-10056/0080	02/24/77	10	3384	28.6	121.9	GGGG			32	39
10238W	4729N	5486-16211	00000/0000	1-10052/0567	08/17/76	70	0721	43.9	124.3	FGGG			36	27
10238W	4726N	5504-16195	00000/0000	1-10053/0202	09/04/76	10	0972	38.6	129.8	GGGG			36	27
10238W	4725N	5540-16165	00000/0000	1-10054/0259	10/10/76	30	1474	27.6	140.0	GGGG			36	27
10238W	3016N	5659-15482	00000/0000	1-10055/0702	02/06/77	0	3133	24.3	127.1	GGGG			32	39
10239W	4725N	5522-16182	00000/0000	1-10053/0572	09/22/76	0	1223	39.3	135.3	GGGG			36	27
10239W	3018N	5518-16004	00000/0000	1-10053/0515	09/18/76	90	1167	41.0	118.6	GGGG			32	39
10239W	3017N	5536-15591	00000/0000	1-10054/0299	10/06/76	10	1418	37.0	126.2	GGGG			32	39
10241W	4731N	5753-16574	00000/0000	1-10058/0265	05/11/77	10	4444	44.7	116.0	GGG			36	27
10241W	4726N	5468-16224	00000/0000	1-10052/0172	07/30/76	90	0470	47.3	119.6	GGGG			36	27
10241W	3024N	5464-16051	00000/0000	1-10052/0109	07/26/76	10	0414	49.8	95.7	GGGG			32	39
10241W	3020N	5749-15401	00000/0000	1-10058/0124	05/07/77	20	4388	45.5	96.6	GGG			32	39
10242W	3027N	5482-16034	00000/0000	1-10052/0480	08/13/76	0	0665	47.7	102.3	GGGG			32	39
10242W	3019N	5821-15331	00000/0000	1-10060/0593	07/18/77	10	5392	43.6	89.1	GGG			32	39
10245W	4725N	5771-16561	00000/0000	1-10059/0259	05/29/77	90	4695	47.1	111.7	GGG			36	27
10245W	4724N	5825-15504	00000/0000	1-10061/0018	07/22/77	10	5448	43.7	109.5	GGG			36	27
10245W	3435N	5660-15524	00000/0000	1-10055/0044	02/07/77	40	3147	22.3	129.0	GGGG			33	36
10246W	4722N	5807-15523	00000/0000	1-10060/0302	07/04/77	10	5197	46.3	107.8	GGG			36	27
10247W	4721N	5789-16542	00000/0000	1-10059/0618	06/16/77	30	4946	47.5	108.6	GGG			36	27
10247W	3435N	5678-15511	00000/0000	1-10056/0070	02/25/77	90	3398	27.0	124.3	GGGG			33	36
10249W	4307N	5662-16013	00000/0000	1-10055/0068	02/09/77	0	3175	18.7	132.8	GGGG			35	30
10249W	4307N	5680-15595	00000/0000	1-10056/0113	02/27/77	10	3426	23.0	128.9	GGGG			35	30
10251W	3439N	5501-16063	00000/0000	1-10053/0145	09/01/76	40	0930	44.0	115.4	FFGG			33	36
10251W	3436N	5519-16050	00000/0000	1-10053/0486	09/19/76	40	1181	40.1	123.1	GGGF			33	36
10252W	4312N	5503-16152	00000/0000	1-10053/0168	09/03/76	0	0958	40.7	125.2	GGGG			35	30
10252W	3851N	5661-15570	00000/0000	1-10055/0188	02/08/77	0	3161	20.6	130.9	GGGG			34	33
10252W	3851N	5679-15553	00000/0000	1-10056/0105	02/26/77	10	3412	25.5	126.6	GGG			34	33
10252W	3441N	5465-16093	00000/0000	1-10052/0092	07/27/76	10	0428	49.8	101.7	GGGG			33	36
10253W	3438N	5750-15443	00000/0000	1-10059/0006	05/08/77	20	4402	45.8	101.2	FPF			33	36
10254W	4314N	5521-16135	00000/0000	1-10053/0592	09/21/76	0	1209	35.8	131.4	GGGG			35	30
10254W	4313N	5485-16165	00000/0000	1-10052/0556	08/16/76	10	0707	45.0	119.0	GGGG			35	30
10254W	4312N	5467-16182	00000/0000	1-10052/0127	07/29/76	10	0456	48.5	113.7	GGGG			35	30
10254W	3854N	5520-16093	00000/0000	1-10053/0540	09/20/76	80	1195	38.3	127.4	GGGG			34	33
10254W	3440N	5483-16080	00000/0000	1-10052/0487	08/14/76	20	0679	47.2	107.9	GGGG			33	36
10255W	4311N	5539-16122	00000/0000	1-10054/0247	10/09/76	0	1460	30.4	136.8	GGGG			35	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
10255W 3437N	5822-15373	00000/0000 1-10050/0842	07/19/77	10	5406	44.1	93.9	GGG			33	36
10256W 4311N	5752-15532	00000/0000 1-10058/0254	05/10/77	10	4430	45.4	111.0	GGG			35	30
10256W 3858N	5751-15490	00000/0000 1-10058/0142	05/09/77	20	4416	45.7	106.1	GGG			34	33
10256W 3857N	5502-16110	00000/0000 1-10053/0156	09/02/76	0	0944	42.5	120.4	GGGG			34	33
10257W 4310N	5770-15514	00000/0000 1-10059/0248	05/28/77	40	4681	47.5	106.3	GGG			35	30
10257W 3857N	5484-16123	00000/0000 1-10052/0494	08/15/76	30	0693	46.3	113.5	GGGG			34	33
10257W 3853N	5538-16080	00000/0000 1-10054/0331	10/08/76	0	1446	33.1	133.5	GGGG			34	33
10257W 3438N	5768-15425	00000/0000 1-10059/0290	05/26/77	80	4653	47.3	95.8	GGG			33	36
10258W 4306N	5806-15481	00000/0000 1-10050/0268	07/03/77	30	5183	46.6	102.2	GGG			35	30
10258W 3855N	5466-16140	00000/0000 1-10052/0077	07/28/76	10	0442	49.4	107.7	GGGG			34	33
10258W 3435N	5786-15411	00000/0000 1-10059/0532	06/13/77	0	4904	47.3	92.3	GGG			33	36
10259W 4306N	5788-15500	00000/0000 1-10059/0492	06/15/77	10	4932	47.8	103.0	FGG			35	30
10300W 5010N	5808-15572	00000/0000 1-10050/0457	07/05/77	90	5211	45.8	111.6	GGG			37	25
10300W 3850N	5805-15434	00000/0000 1-10050/0376	07/02/77	0	5169	46.8	96.8	FGG			34	33
10301W 2852N	5677-15471	00000/0000 1-10056/0081	02/24/77	0	3384	28.2	121.0	GGG			32	40
10302W 3851N	5787-15453	00000/0000 1-10059/0555	06/14/77	0	4918	47.7	97.5	GGG			34	33
10302W 2853N	5518-16010	00000/0000 1-10053/0516	09/18/76	90	1167	42.3	117.2	GGGG			32	40
10302W 2851N	5536-15594	00000/0000 1-10054/0300	10/06/76	0	1418	38.5	125.0	GGGG			32	40
10302W 2850N	5659-15484	00000/0000 1-10055/0203	02/06/77	10	3133	25.6	126.3	GGGG			32	40
10304W 2859N	5464-16053	00000/0000 1-10052/0110	07/26/76	10	0414	49.6	93.9	GGGG			32	40
10305W 2900N	5482-16040	00000/0000 1-10052/0481	08/13/76	0	0665	47.7	100.6	GGGG			32	40
10306W 2854N	5821-15333	00000/0000 1-10050/0594	07/18/77	10	5392	43.2	87.6	GGF			32	40
10306W 2853N	5749-15404	00000/0000 1-10058/0125	05/07/77	10	4388	45.4	95.0	GGG			32	40
10308W 4559N	5663-16062	00000/0000 1-10055/0092	02/10/77	10	3189	17.4	134.0	GGGG			36	28
10309W 4557N	5681-16044	00000/0000 1-10056/0156	02/28/77	50	3440	22.8	130.4	GGGG			36	28
10311W 3309N	5660-15531	00000/0000 1-10055/0045	02/07/77	80	3147	23.2	128.3	GGGG			33	37
10313W 4600N	5504-16201	00000/0000 1-10053/0203	09/04/76	10	0972	39.2	128.4	GGGG			36	28
10313W 4600N	5540-16171	00000/0000 1-10054/0260	10/10/76	20	1474	28.4	139.1	GGGG			36	28
10313W 3308N	5678-15513	00000/0000 1-10056/0071	02/25/77	50	3398	27.6	123.4	GGGG			33	37
10314W 4604N	5486-16214	00000/0000 1-10052/0568	08/17/76	50	0721	43.8	122.7	FGGG			36	28
10315W 4600N	5522-16184	00000/0000 1-10053/0573	09/22/76	0	1223	34.0	134.1	GGGF			36	28
10316W 4601N	5468-16231	00000/0000 1-10052/0173	07/30/76	90	0470	47.7	117.8	GGGG			36	28
10316W 3310N	5519-16053	00000/0000 1-10053/0487	09/19/76	50	1181	40.7	121.8	GGGG			33	37
10317W 4606N	5753-15581	00000/0000 1-10058/0266	05/11/77	10	4444	45.0	114.2	GGG			36	28
10317W 3313N	5501-16070	00000/0000 1-10053/0146	09/01/76	30	0930	44.3	113.9	GGGG			33	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY (BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0196

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10318W	3316N	5465-16100	00000/0000	1-10052/0093	07/27/76	0	0428	49.8	99.8	GGGG			33	37
10319W	4558N	5825-15510	00000/0000	1-10061/0019	07/22/77	10	5448	43.8	107.8	GGG			36	28
10319W	3315N	5483-16083	00000/0000	1-10052/0488	08/14/76	30	0679	47.3	106.2	GGGG			33	37
10319W	3312N	5750-15450	00000/0000	1-10059/0007	05/08/77	80	4402	45.8	99.6	FPF			33	37
10319W	3311N	5822-15375	00000/0000	1-10060/0843	07/19/77	0	5406	43.8	92.3	GGF			33	37
10320W	4600N	5771-15563	00000/0000	1-10059/0260	05/29/77	30	4695	47.3	109.8	GGG			36	28
10320W	4555N	5789-15545	00000/0000	1-10059/0619	06/16/77	20	4946	47.6	106.7	GGG			36	28
10320W	4142N	5680-16002	00000/0000	1-10056/0114	02/27/77	10	3426	24.5	128.1	GGGG			35	31
10320W	4141N	5662-16015	00000/0000	1-10055/0069	02/09/77	10	3175	19.4	132.1	GGGG			35	31
10320W	3726N	5679-15555	00000/0000	1-10056/0106	02/26/77	10	3412	26.4	125.7	GGGG			34	34
10320W	3725N	5661-15573	00000/0000	1-10055/0189	02/08/77	0	3161	21.3	130.2	FGGG			34	34
10321W	4557N	5807-15525	00000/0000	1-10060/0303	07/04/77	10	5197	46.4	105.9	GGG			36	28
10323W	4146N	5503-16155	00000/0000	1-10053/0169	09/03/76	0	0958	41.2	123.8	GGGG			35	31
10323W	3728N	5520-16095	00000/0000	1-10053/0541	09/20/76	90	1195	38.7	126.1	GGGG			34	34
10323W	3313N	5768-15432	00000/0000	1-10059/0291	05/26/77	90	4653	47.2	94.0	GGG			33	37
10323W	3309N	5786-15414	00000/0000	1-10059/0533	06/13/77	10	4904	47.4	90.6	GGG			33	37
10324W	4148N	5521-16142	00000/0000	1-10053/0593	09/21/76	0	1209	36.5	130.2	GGGG			35	31
10324W	3732N	5751-15492	00000/0000	1-10058/0143	05/09/77	10	4416	45.8	104.4	GGG			34	34
10324W	3731N	5502-16112	00000/0000	1-10053/0157	09/02/76	10	0944	42.8	118.9	GGGG			34	34
10324W	2727N	5677-15473	00000/0000	1-10056/0082	02/24/77	0	3384	29.4	120.1	GGGG			32	41
10325W	4148N	5485-16172	00000/0000	1-10052/0557	08/16/76	10	0707	45.4	117.3	GGGG			35	31
10325W	4147N	5467-16185	00000/0000	1-10052/0128	07/29/76	10	0456	48.8	111.8	GGGG			35	31
10325W	4146N	5539-16125	00000/0000	1-10054/0248	10/09/76	0	1460	31.2	135.8	GGGG			35	31
10325W	3731N	5484-16125	00000/0000	1-10052/0495	08/15/76	10	0693	46.6	111.8	GGGG			34	34
10325W	3728N	5538-16082	00000/0000	1-10054/0332	10/08/76	0	1446	33.8	132.5	GGGG			34	34
10325W	2727N	5518-16013	00000/0000	1-10053/0517	09/18/76	90	1167	42.7	115.8	GGGG			32	41
10325W	2725N	5536-16000	00000/0000	1-10054/0301	10/06/76	0	1418	39.1	123.8	GGGG			32	41
10325W	2725N	5659-15491	00000/0000	1-10055/0204	02/06/77	0	3133	25.6	125.6	GGGG			32	41
10326W	4146N	5752-15535	00000/0000	1-10058/0255	05/10/77	10	4430	45.6	109.2	GGG			35	31
10326W	3729N	5466-16142	00000/0000	1-10052/0078	07/28/76	10	0442	49.5	105.8	GGGG			34	34
10328W	4849N	5523-16233	00000/0000	1-10053/0603	09/23/76	0	1237	32.2	136.7	GGGG			37	26
10328W	4145N	5770-15521	00000/0000	1-10059/0249	05/28/77	60	4681	47.6	104.4	GGG			35	31
10328W	4143N	5824-15464	00000/0000	1-10061/0149	07/21/77	90	5434	44.3	102.5	GGG			35	31
10328W	3724N	5805-15441	00000/0000	1-10060/0377	07/02/77	0	5169	46.4	95.1	GGF			34	34
10328W	2732N	5482-16043	00000/0000	1-10052/0482	08/13/76	0	0665	47.7	98.8	GGGG			32	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV ⁴	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
10329W	4853N	5505-16250	00000/0000	1-10053/0216	09/05/76	10	0986	37.6	131.5	GGGG			37	26
10329W	4847N	5541-16220	00000/0000	1-10054/0272	10/11/76	30	1488	26.4	141.2	GGGG			37	26
10329W	4141N	5806-15483	00000/0000	1-10060/0269	07/03/77	10	5183	46.5	100.4	GGG			35	31
10329W	2728N	5821-15340	00000/0000	1-10060/0595	07/18/77	10	5392	42.9	86.1	GGG			32	41
10329W	2727N	5749-15410	00000/0000	1-10058/0126	05/07/77	20	4388	45.8	93.4	GGG			32	41
10330W	4141N	5788-15502	00000/0000	1-10059/0493	06/15/77	0	4932	47.8	101.1	FGG			35	31
10330W	3725N	5787-15460	00000/0000	1-10059/0556	06/14/77	0	4918	47.6	95.7	GGG			34	34
10332W	4856N	5736-16044	00000/0000	1-10058/0001	04/24/77	0	4207	40.8	121.7	GGG			37	26
10332W	4853N	5754-16030	00000/0000	1-10058/0278	05/12/77	10	4458	44.6	117.5	GG			37	26
10334W	4848N	5826-15555	00000/0000	1-10061/0157	07/23/77	10	5462	43.4	111.4	GGG			37	26
10335W	4852N	5772-16012	00000/0000	1-10059/0132	05/30/77	30	4709	46.8	113.4	GGG			37	26
10336W	3143N	5660-15533	00000/0000	1-10055/0046	02/07/77	70	3147	23.8	127.6	GGGG			33	38
10337W	4847N	5790-15593	00000/0000	1-10059/0631	06/17/77	30	4960	47.8	110.4	FG			37	26
10337W	4847N	5808-15574	00000/0000	1-10060/0458	07/05/77	40	5211	46.0	109.7	GGG			37	26
10338W	3142N	5678-15520	00000/0000	1-10056/0072	02/25/77	40	3398	28.1	122.5	PGGG			33	38
10341W	3146N	5501-16072	00000/0000	1-10053/0147	09/01/76	70	0930	44.6	112.3	FGGG			33	38
10341W	3144N	5519-16055	00000/0000	1-10053/0488	09/19/76	30	1181	41.2	120.4	GFGG			33	38
10342W	4434N	5663-16064	00000/0000	1-10055/0093	02/10/77	0	3189	18.2	133.3	GGGG			36	29
10343W	4432N	5681-16051	00000/0000	1-10056/0157	02/28/77	70	3440	23.6	129.6	GGGG			36	29
10343W	3151N	5465-16102	00000/0000	1-10052/0094	07/27/76	0	0428	49.8	97.9	GGGG			33	38
10343W	3145N	5750-15452	00000/0000	1-10059/0008	05/08/77	70	4402	45.7	97.9	FPF			33	38
10344W	3149N	5483-16085	00000/0000	1-10052/0489	08/14/76	20	0679	47.5	104.4	GGGG			33	38
10344W	3145N	5822-15382	00000/0000	1-10060/0844	07/19/77	0	5406	43.9	90.8	GGF			33	38
10346W	4435N	5540-16174	00000/0000	1-10054/0261	10/10/76	10	1474	29.3	138.1	GGGG			36	29
10346W	4434N	5504-16204	00000/0000	1-10053/0204	09/04/76	0	0972	39.8	127.0	GGGG			36	29
10347W	3600N	5679-15562	00000/0000	1-10056/0107	02/26/77	10	3412	26.7	124.9	GGGG			34	35
10348W	4439N	5486-16220	00000/0000	1-10052/0569	08/17/76	70	0721	44.3	121.0	GGGF			36	29
10348W	4436N	5522-16191	00000/0000	1-10053/0574	09/22/76	0	1223	34.8	132.9	GGGG			36	29
10348W	3559N	5661-15575	00000/0000	1-10055/0190	02/08/77	0	3161	22.0	129.5	FGGG			34	35
10348W	3147N	5768-15434	00000/0000	1-10059/0292	05/26/77	90	4653	47.0	92.3	GGG			33	38
10348W	3143N	5786-15420	00000/0000	1-10059/0534	06/13/77	10	4904	46.8	88.9	GGG			33	38
10349W	4436N	5468-16233	00000/0000	1-10052/0174	07/30/76	80	0470	48.0	115.9	GGGG			36	29
10350W	4016N	5662-16022	00000/0000	1-10055/0070	02/09/77	10	3175	20.1	131.4	GGGG			35	32
10350W	4016N	5680-16004	00000/0000	1-10056/0115	02/27/77	10	3426	25.2	127.2	GGGG			35	32
10350W	3602N	5520-16102	00000/0000	1-10053/0542	09/20/76	90	1195	39.8	124.8	GGGG			34	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY (BLANK)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PAGE 0198

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV MSS						123 45678				
10351W	4441N	5753-15583	00000/0000 1-10058/0267	05/11/77	0	4444	45.3	112.5	FGG			36	29
10351W	3605N	5502-16115	00000/0000 1-10053/0158	09/02/76	10	0944	43.4	117.4	GGGG			34	35
10352W	4435N	5771-15570	00000/0000 1-10059/0261	05/29/77	10	4695	47.4	107.9	GGG			36	29
10352W	4433N	5825-15513	00000/0000 1-10061/0020	07/22/77	10	5448	44.0	106.0	GGG			36	29
10352W	4430N	5789-15551	00000/0000 1-10059/0620	06/16/77	30	4946	47.7	104.8	GGG			36	29
10352W	3606N	5751-15495	00000/0000 1-10058/0144	05/09/77	0	4416	45.0	102.6	GGG			34	35
10353W	4022N	5503-16161	00000/0000 1-10053/0170	09/03/76	0	0958	41.7	122.3	FFFF			35	32
10353W	4021N	5521-16144	00000/0000 1-10053/0594	09/21/76	0	1209	37.1	129.0	GGGG			35	32
10353W	3605N	5484-16132	00000/0000 1-10052/0496	08/15/76	0	0693	46.8	110.1	GGGG			34	35
10353W	3604N	5466-16145	00000/0000 1-10052/0079	07/28/76	30	0442	49.6	103.9	GGGG			34	35
10353W	3603N	5538-16085	00000/0000 1-10054/0333	10/08/76	0	1446	34.6	131.4	GGGG			34	35
10354W	4432N	5807-15532	00000/0000 1-10060/0304	07/04/77	10	5197	46.4	104.1	GGG			36	29
10354W	4021N	5467-16191	00000/0000 1-10052/0129	07/09/76	10	0456	49.0	109.9	GGGG			35	32
10355W	4022N	5485-16174	00000/0000 1-10052/0558	08/16/76	10	0707	45.7	115.6	GGGG			35	32
10355W	4021N	5539-16131	00000/0000 1-10054/0249	10/09/76	0	1460	32.0	134.8	GGGG			35	32
10355W	3558N	5805-15443	00000/0000 1-10060/0378	07/02/77	0	5169	46.2	93.4	GGG			34	35
10356W	4020N	5752-15541	00000/0000 1-10058/0256	05/10/77	10	4430	45.7	107.5	GGG			35	32
10357W	3559N	5787-15462	00000/0000 1-10059/0557	06/14/77	0	4918	47.4	93.9	GGG			34	35
10358W	4020N	5770-15523	00000/0000 1-10059/0250	05/28/77	80	4681	47.6	102.5	GGG			35	32
10358W	4017N	5824-15470	00000/0000 1-10061/0150	07/21/77	100	5434	44.2	100.8	GGG			35	32
10359W	4016N	5788-15505	00000/0000 1-10059/0494	06/15/77	0	4932	47.8	99.3	GGG			35	32
10359W	4016N	5806-15490	00000/0000 1-10060/0270	07/03/77	0	5183	46.5	98.6	GFF			35	32
10401W	3016N	5660-15540	00000/0000 1-10055/0047	02/07/77	90	3147	24.5	126.8	GGGG			33	39
10403W	3017N	5678-15522	00000/0000 1-10056/0073	02/25/77	60	3398	28.7	121.6	FGGG			33	39
10404W	4725N	5523-16240	00000/0000 1-10053/0604	09/23/76	0	1237	32.0	135.6	GGGG			37	27
10405W	4727N	5505-16252	00000/0000 1-10053/0217	09/05/76	0	0986	38.0	130.1	GGFG			37	27
10405W	4722N	5541-16223	00000/0000 1-10054/0273	10/11/76	30	1488	27.3	140.2	GGGG			37	27
10405W	3019N	5801-16075	00000/0000 1-10053/0148	09/01/76	90	0930	44.8	110.7	GGGG			33	39
10405W	3019N	5519-16062	00000/0000 1-10053/0489	09/19/76	10	1181	41.7	119.1	GGGG			33	39
10407W	3026N	5465-16105	00000/0000 1-10052/0095	07/27/76	10	0428	49.7	96.0	GGGG			33	39
10407W	3019N	5750-15455	00000/0000 1-10059/0009	05/08/77	40	4402	45.6	96.2	FFF			33	39
10408W	4728N	5754-16032	00000/0000 1-10058/0279	05/12/77	10	4458	44.0	115.7	GGG			37	27
10409W	4731N	5736-16050	00000/0000 1-10058/0002	04/24/77	0	4207	40.8	120.1	GGG			37	27
10409W	4723N	5826-15562	00000/0000 1-10061/0158	07/23/77	10	5462	43.6	109.6	GGG			37	27
10409W	3023N	5483-16092	00000/0000 1-10052/0490	08/14/76	30	0679	47.5	102.7	GGGG			33	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
10409W	3019N	5822-15384	00000/0000	1-10060/0845	07/19/77	10	5406	43.8	89.3	PG			33	39
10410W	4727N	5772-16014	00000/0000	1-10059/0133	05/30/77	80	4709	47.2	111.5	GGG			37	27
10413W	4722N	5808-15581	00000/0000	1-10060/0459	07/05/77	10	5211	46.2	107.8	GGG			37	27
10413W	4721N	5790-16000	00000/0000	1-10059/0632	06/17/77	70	4960	47.8	108.5	QFG			37	27
10413W	3435N	5679-15564	00000/0000	1-10056/0108	02/26/77	10	3412	27.3	124.0	GGGG			34	36
10413W	3021N	5768-15441	00000/0000	1-10059/0293	05/26/77	70	4653	46.8	90.6	GGG			33	39
10413W	3017N	5786-15423	00000/0000	1-10059/0535	06/13/77	0	4904	46.5	87.2	GGG			33	39
10414W	4310N	5663-16071	00000/0000	1-10055/0094	02/10/77	0	3189	18.8	132.6	GGGG			36	30
10414W	3433N	5661-15582	00000/0000	1-10055/0191	02/08/77	30	3161	22.7	128.7	GGGG			34	36
10415W	4307N	5681-16053	00000/0000	1-10056/0158	02/28/77	40	3440	24.2	128.7	GGGG			36	30
10416W	3436N	5520-16104	00000/0000	1-10053/0543	09/20/76	90	1195	39.8	123.5	GGGG			34	36
10417W	3440N	5502-16121	00000/0000	1-10053/0159	09/02/76	20	0944	43.8	115.9	GGGG			34	36
10417W	3439N	5751-15501	00000/0000	1-10058/0145	05/09/77	0	4416	45.9	100.9	GGF			34	36
10418W	4310N	5540-16180	00000/0000	1-10054/0262	10/10/76	0	1474	30.1	137.1	GGGG			36	30
10418W	4309N	5504-16210	00000/0000	1-10053/0205	09/04/76	0	0972	40.4	125.5	GGG			36	30
10419W	3851N	5662-16024	00000/0000	1-10055/0071	02/09/77	0	3175	20.8	130.7	GGGG			35	33
10419W	3851N	5680-16011	00000/0000	1-10056/0116	02/27/77	10	3426	25.8	126.3	GGGG			35	33
10419W	3440N	5484-16134	00000/0000	1-10052/0497	08/15/76	0	0693	47.6	108.3	GGGG			34	36
10419W	3437N	5538-16091	00000/0000	1-10054/0334	10/08/76	0	1446	35.4	130.3	GGGG			34	36
10420W	4315N	5486-16223	00000/0000	1-10052/0570	08/17/76	60	0721	44.7	119.3	GGGG			36	30
10420W	4311N	5522-16193	00000/0000	1-10053/0575	09/22/76	10	1223	35.8	131.7	GGGG			36	30
10420W	3439N	5466-16151	00000/0000	1-10052/0080	07/28/76	60	0442	49.7	102.0	GGGG			34	36
10421W	4311N	5468-16240	00000/0000	1-10052/0175	07/30/76	40	0470	48.4	114.0	GGGG			36	30
10421W	3855N	5521-16151	00000/0000	1-10053/0595	09/21/76	0	1209	37.8	127.8	GGGG			35	33
10421W	3435N	5823-15431	00000/0000	1-10061/0169	07/20/77	0	5420	44.6	94.1	GGG			34	36
10422W	3857N	5503-16164	00000/0000	1-10053/0171	09/03/76	0	0958	42.2	120.8	FFFF			35	33
10422W	3433N	5805-15450	00000/0000	1-10060/0379	07/02/77	10	5169	46.6	91.7	GGG			34	36
10423W	4316N	5753-15590	00000/0000	1-10058/0268	05/11/77	0	4444	45.5	110.7	GGG			36	30
10423W	3855N	5467-16194	00000/0000	1-10052/0130	07/29/76	10	0456	49.2	108.0	GGGG			35	33
10423W	3433N	5787-15465	00000/0000	1-10059/0558	06/14/77	0	4918	47.2	92.2	GGG			34	36
10424W	4309N	5771-15572	00000/0000	1-10059/0262	05/29/77	10	4695	47.6	106.0	GGG			36	30
10424W	4306N	5789-15554	00000/0000	1-10059/0621	06/16/77	20	4946	47.8	102.9	GGG			36	30
10424W	3857N	5485-16181	00000/0000	1-10052/0559	08/16/76	10	0707	46.1	113.9	GGGG			35	33
10424W	3855N	5539-16134	00000/0000	1-10054/0250	10/09/76	0	1460	32.8	133.8	GGGG			35	33
10424W	3855N	5752-15544	00000/0000	1-10058/0257	05/10/77	10	4430	45.8	105.7	GGG			35	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0200

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV ⁴	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10425W	4306N	5807-15534	00000/0000	1-10060/0305	07/04/77	30	5197	46.8	102.3	GGG			36	30
10425W	2849N	5660-15542	00000/0000	1-10055/0048	02/07/77	40	3147	25.1	126.1	GGGG			33	40
10426W	3854N	5770-15530	00000/0000	1-10059/0251	05/28/77	40	4681	47.6	100.7	GGG			35	33
10427W	3852N	5824-15473	00000/0000	1-10061/0151	07/21/77	80	5434	44.2	99.2	GGG			35	33
10427W	3850N	5806-15492	00000/0000	1-10060/0271	07/03/77	10	5183	46.4	96.9	GGG			35	33
10428W	3850N	5788-15511	00000/0000	1-10059/0495	06/15/77	0	4932	47.7	97.4	GGG			35	33
10429W	2853N	5519-16064	00000/0000	1-10053/0490	09/19/76	10	1181	42.1	117.7	GGGG			33	40
10430W	2859N	5465-16111	00000/0000	1-10052/0096	07/27/76	10	0428	49.5	94.2	GGGG			33	40
10431W	2853N	5750-15461	00000/0000	1-10059/0010	05/08/77	10	4402	45.8	94.6	FFF			33	40
10432W	2856N	5483-16094	00000/0000	1-10052/0491	08/14/76	30	0679	47.6	100.9	GGGG			33	40
10433W	2853N	5822-15391	00000/0000	1-10060/0846	07/19/77	10	5406	43.2	87.8	FG			33	40
10436W	2854N	5768-15443	00000/0000	1-10059/0294	05/26/77	40	4653	46.5	89.0	GGG			33	40
10437W	2852N	5786-15425	00000/0000	1-10059/0536	06/13/77	0	4904	46.1	85.6	GGG			33	40
10438W	4559N	5664-16120	00000/0000	1-10055/0078	02/11/77	20	3203	17.7	133.8	GGGG			37	28
10439W	4601N	5505-16255	00000/0000	1-10053/0218	09/05/76	0	0986	38.9	128.7	GGGG			37	28
10439W	4600N	5523-16242	00000/0000	1-10053/0605	09/23/76	10	1237	33.7	134.4	GGGG			37	28
10440W	4557N	5541-16225	00000/0000	1-10054/0274	10/11/76	20	1488	28.1	139.3	GGGG			37	28
10440W	3307N	5661-15584	00000/0000	1-10055/0180	02/08/77	40	3161	23.1	128.0	GGG			34	37
10442W	4604N	5754-16035	00000/0000	1-10058/0280	05/12/77	10	4458	45.2	113.9	GGG			37	28
10442W	3313N	5751-15504	00000/0000	1-10058/0146	05/09/77	10	4416	45.8	99.3	GGG			34	37
10442W	3311N	5520-16111	00000/0000	1-10053/0544	09/20/76	80	1195	40.4	122.2	GGGG			34	37
10443W	4605N	5736-16053	00000/0000	1-10058/0003	04/24/77	10	4207	41.2	118.6	GGG			37	28
10443W	4559N	5826-15564	00000/0000	1-10061/0159	07/23/77	0	5462	43.7	107.9	GGG			37	28
10443W	3314N	5502-16124	00000/0000	1-10053/0160	09/02/76	40	0944	44.1	114.3	GGGG			34	37
10444W	4602N	5772-16021	00000/0000	1-10059/0134	05/30/77	80	4709	47.8	109.6	GGG			37	28
10444W	4144N	5663-16073	00000/0000	1-10055/0095	02/10/77	0	3189	19.6	131.9	GGGG			36	31
10444W	3315N	5484-16141	00000/0000	1-10052/0498	08/15/76	10	0693	47.2	106.6	GGGG			34	37
10445W	4141N	5681-16060	00000/0000	1-10056/0159	02/28/77	10	3440	24.8	127.8	GGGG			36	31
10446W	4556N	5808-15583	00000/0000	1-10060/0460	07/05/77	10	5211	46.8	106.0	FGG			37	28
10446W	3725N	5680-16013	00000/0000	1-10056/0117	02/27/77	10	3426	26.4	125.5	GGGG			35	34
10446W	3314N	5466-16154	00000/0000	1-10052/0081	07/28/76	30	0442	49.7	100.1	GGGG			34	37
10446W	3310N	5823-15433	00000/0000	1-10061/0170	07/20/77	10	5420	43.8	92.5	GGG			34	37
10447W	4556N	5790-16002	00000/0000	1-10059/0633	06/17/77	50	4960	47.6	106.6	GGG			37	28
10447W	3726N	5662-16031	00000/0000	1-10055/0072	02/09/77	0	3175	21.5	129.9	GGGG			35	34
10448W	3308N	5787-15471	00000/0000	1-10059/0559	06/14/77	10	4918	47.0	90.4	GGG			34	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0201

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
10448W	3308N	5805-15452	00000/0000	1-10060/0380	07/02/77	10	5169	45.7	90.0	GGG		34	37
10449W	4145N	5540-16183	00000/0000	1-10054/0263	10/10/76	10	1474	30.9	136.1	GGGG		36	31
10449W	3729N	5521-16153	00000/0000	1-10053/0596	09/21/76	10	1209	38.4	126.5	GGGG		35	34
10449W	2723N	5660-15545	00000/0000	1-10055/0049	02/07/77	10	3147	25.8	125.3	GGFG		33	41
10450W	4145N	5504-16213	00000/0000	1-10053/0206	09/04/76	0	0972	41.0	124.1	GGGG		36	31
10451W	4150N	5486-16225	00000/0000	1-10052/0571	08/17/76	50	0721	45.2	117.7	GFGG		36	31
10451W	4146N	5468-16242	00000/0000	1-10052/0176	07/30/76	70	0470	48.6	112.1	GGGG		36	31
10451W	4145N	5522-16200	00000/0000	1-10053/0576	09/22/76	30	1223	36.2	130.5	GGGG		36	31
10451W	3733N	5503-16170	00000/0000	1-10053/0172	09/03/76	0	0958	42.7	119.4	GGGG		35	34
10451W	3730N	5734-15564	00000/0000	1-10057/0108	04/22/77	0	4179	42.5	109.8	GGG		35	34
10451W	3729N	5539-16140	00000/0000	1-10054/0251	10/09/76	0	1460	33.6	132.8	GGGG		35	34
10452W	3732N	5485-16183	00000/0000	1-10052/0560	08/16/76	10	0707	46.4	112.2	GGGG		35	34
10452W	3730N	5752-15550	00000/0000	1-10058/0258	05/10/77	30	4430	46.6	104.0	GGG		35	34
10452W	3728N	5467-16200	00000/0000	1-10052/0131	07/29/76	10	0456	49.4	106.1	GGGG		35	34
10452W	2728N	5519-16071	00000/0000	1-10053/0491	09/19/76	10	1181	42.5	116.3	GGGG		33	41
10453W	4852N	5506-16304	00000/0000	1-10053/0251	09/06/76	20	1000	37.3	131.8	FGGG		38	26
10454W	4852N	5488-16321	00000/0000	1-10052/0590	08/19/76	20	0749	42.3	126.5	GGGG		38	26
10454W	4850N	5524-16291	00000/0000	1-10054/0001	09/24/76	10	1251	31.8	137.0	G		38	26
10454W	4850N	5665-16164	00000/0000	1-10055/0050	02/12/77	10	3217	16.5	135.1	GGGG		38	26
10454W	4151N	5753-15592	00000/0000	1-10058/0269	05/11/77	0	4444	45.7	109.0	GGG		36	31
10454W	3727N	5824-15475	00000/0000	1-10061/0152	07/21/77	60	5434	44.1	97.5	GGG		35	34
10455W	4143N	5771-15575	00000/0000	1-10059/0263	05/29/77	10	4695	47.6	104.1	GGG		36	31
10455W	3729N	5770-15532	00000/0000	1-10059/0252	05/28/77	10	4681	47.6	98.9	GGG		35	34
10455W	3724N	5806-15495	00000/0000	1-10060/0272	07/03/77	10	5183	46.0	95.1	GGG		35	34
10455W	2732N	5465-16114	00000/0000	1-10052/0097	07/27/76	10	0428	49.4	92.4	GGGG		33	41
10455W	2729N	5483-16101	00000/0000	1-10052/0492	08/14/76	10	0679	47.6	99.2	GGGG		33	41
10455W	2726N	5750-15464	00000/0000	1-10059/0011	05/08/77	10	4402	45.4	93.0	GFQ		33	41
10456W	4142N	5789-15560	00000/0000	1-10059/0622	06/16/77	10	4946	47.8	101.0	GGG		36	31
10456W	4141N	5807-15541	00000/0000	1-10060/0306	07/04/77	30	5197	46.4	100.5	GGG		36	31
10456W	3725N	5788-15514	00000/0000	1-10059/0496	06/15/77	0	4932	47.6	95.6	GGG		35	34
10457W	2728N	5822-15393	00000/0000	1-10060/0847	07/19/77	20	5406	42.8	86.3	FGG		33	41
10458W	4855N	5470-16334	00000/0000	1-10052/0189	08/01/76	10	0498	46.4	122.0	GGGG		38	26
10458W	4851N	5719-16120	00000/0000	1-10058/0026	04/07/77	10	3970	35.0	125.3	GGG		38	26
10459W	2726N	5768-15450	00000/0000	1-10059/0295	05/26/77	20	4653	46.2	87.3	GGG		33	41
10500W	4854N	5755-16084	00000/0000	1-10059/0116	05/13/77	10	4472	44.8	117.2	FGG		38	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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 FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
10500W 4850N	5773-16070	00000/0000	1-10059/0296	05/31/77	10	4723	47.0	113.2	GGG			38	26
10500W 2726N	5786-15432	00000/0000	1-10059/0537	06/13/77	0	4904	45.7	84.0	GGG			33	41
10506W 3141N	5661-15591	00000/0000	1-10055/0192	02/08/77	20	3161	24.0	127.3	GGGG			34	38
10507W 3148N	5751-15510	00000/0000	1-10058/0147	05/09/77	20	4416	45.8	97.6	GGG			34	38
10507W 3146N	5520-16113	00000/0000	1-10053/0545	09/20/76	50	1195	40.8	120.9	GGGG			34	38
10508W 3149N	5484-16143	00000/0000	1-10052/0499	08/15/76	0	0693	47.3	104.8	GGGG			34	38
10508W 3148N	5502-16130	00000/0000	1-10053/0161	09/02/76	90	0944	44.5	112.8	GGGG			34	38
10510W 3149N	5466-16160	00000/0000	1-10052/0082	07/28/76	40	0442	49.6	98.2	GGGG			34	38
10510W 3144N	5823-15440	00000/0000	1-10061/0171	07/20/77	20	5420	43.6	91.0	GGG			34	38
10511W 4435N	5664-16122	00000/0000	1-10055/0079	02/11/77	50	3203	18.8	133.1	GGGG			37	29
10511W 3143N	5805-15455	00000/0000	1-10060/0381	07/02/77	10	5169	45.4	88.4	GGG			34	38
10513W 4435N	5505-16261	00000/0000	1-10053/0219	09/05/76	0	0986	39.6	127.3	FGGG			37	29
10513W 4435N	5520-16245	00000/0000	1-10053/0606	09/23/76	90	1237	34.5	133.2	GGGG			37	29
10513W 4432N	5541-16232	00000/0000	1-10054/0275	10/11/76	10	1488	29.0	138.3	GGGG			37	29
10513W 3600N	5680-16020	00000/0000	1-10056/0118	02/27/77	10	3426	27.0	124.6	GGGG			35	35
10513W 3142N	5787-15474	00000/0000	1-10059/0560	06/14/77	10	4918	46.7	88.8	GGG			34	38
10515W 4439N	5754-16041	00000/0000	1-10058/0281	05/12/77	10	4458	45.5	112.2	GGG			37	29
10515W 4019N	5663-16080	00000/0000	1-10055/0096	02/10/77	0	3189	20.3	131.2	GGGG			36	32
10515W 4016N	5681-16062	00000/0000	1-10056/0160	02/28/77	20	3440	25.5	126.9	GGGG			36	32
10515W 3600N	5662-16033	00000/0000	1-10055/0073	02/09/77	0	3175	22.2	129.2	GGGG			35	35
10516W 4438N	5736-16055	00000/0000	1-10058/0004	04/24/77	10	4207	41.6	117.0	GGG			37	29
10516W 4434N	5826-15571	00000/0000	1-10061/0160	07/23/77	30	5462	43.8	106.2	GGG			37	29
10516W 3603N	5521-16160	00000/0000	1-10053/0597	09/21/76	10	1209	39.0	125.2	GGGF			35	35
10517W 4436N	5772-16023	00000/0000	1-10059/0135	05/30/77	40	4709	47.5	107.7	GGG			37	29
10518W 3608N	5503-16173	00000/0000	1-10053/0173	09/03/76	10	0958	43.2	117.8	GGGG			35	35
10518W 3603N	5539-16143	00000/0000	1-10054/0252	10/09/76	0	1460	34.8	131.7	GGGG			35	35
10519W 4430N	5808-15590	00000/0000	1-10060/0461	07/05/77	10	5211	46.3	104.1	GGG			37	29
10519W 4020N	5540-16185	00000/0000	1-10054/0264	10/10/76	0	1474	31.2	135.1	GGGG			36	32
10519W 3607N	5485-16190	00000/0000	1-10052/0561	08/16/76	10	0707	46.6	110.5	GGGG			35	35
10519W 3604N	5752-15553	00000/0000	1-10058/0259	05/10/77	20	4430	46.0	102.3	GGG			35	35
10519W 3603N	5467-16203	00000/0000	1-10052/0132	07/29/76	10	0456	49.5	104.2	GGGG			35	35
10519W 3603N	5734-15571	00000/0000	1-10057/0109	04/22/77	0	4179	42.7	108.3	GGG			35	35
10520W 4431N	5790-16005	00000/0000	1-10059/0634	06/17/77	40	4960	47.7	104.7	GGG			37	29
10520W 4025N	5486-16232	00000/0000	1-10052/0572	08/17/76	90	0721	45.5	116.0	FGGG			36	32
10521W 4020N	5468-16245	00000/0000	1-10052/0177	07/30/76	40	0470	48.8	110.2	GGGG			36	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

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 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
								RBV	MSS				
10521W	4020N	5504-16215	00000/0000	1-10053/0207	09/04/76	10	0972	41.5	122.7	GGGG		36	32
10521W	4019N	5522-16202	00000/0000	1-10053/0577	09/22/76	90	1223	36.0	129.3	GGGG		36	32
10521W	3602N	5824-15482	00000/0000	1-10061/0153	07/21/77	50	5434	44.0	95.9	GGG		35	35
10522W	4024N	5753-15595	00000/0000	1-10058/0270	05/11/77	0	4444	45.0	107.2	GGG		36	32
10522W	3603N	5770-15535	00000/0000	1-10059/0253	05/28/77	0	4681	47.5	97.1	GGG		35	35
10522W	3559N	5806-15501	00000/0000	1-10060/0273	07/03/77	40	5183	46.1	93.4	GGG		35	35
10523W	3559N	5788-15520	00000/0000	1-10059/0497	06/15/77	0	4932	47.4	93.8	GGG		35	35
10525W	4018N	5771-15581	00000/0000	1-10059/0264	05/29/77	20	4695	47.3	102.3	GGG		36	32
10525W	4016N	5807-15543	00000/0000	1-10060/0307	07/04/77	10	5197	46.4	98.7	GGG		36	32
10526W	4017N	5789-15563	00000/0000	1-10059/0623	06/16/77	20	4946	47.0	99.1	GGG		36	32
10529W	4727N	5506-16310	00000/0000	1-10053/0252	09/06/76	60	1000	38.0	130.4	GGGG		38	27
10530W	4725N	5524-16293	00000/0000	1-10054/0002	09/24/76	40	1251	32.6	135.9	GGGG		38	27
10530W	3015N	5661-15593	00000/0000	1-10059/0193	02/08/77	10	3161	24.7	126.5	FGGG		34	39
10531W	4727N	5488-16323	00000/0000	1-10052/0591	08/19/76	30	0749	42.0	124.9	GGGG		38	27
10531W	4725N	5665-16171	00000/0000	1-10055/0051	02/12/77	90	3217	17.2	134.4	GGGG		38	27
10531W	3022N	5751-15513	00000/0000	1-10058/0148	05/09/77	10	4416	45.3	95.9	GGG		34	39
10531W	3020N	5520-16120	00000/0000	1-10053/0546	09/20/76	10	1195	41.4	119.5	GGGG		34	39
10533W	4731N	5470-16340	00000/0000	1-10052/0190	08/01/76	10	0498	46.0	120.1	GGGG		38	27
10533W	3022N	5502-16133	00000/0000	1-10053/0162	09/02/76	90	0944	44.8	111.2	GGGG		34	39
10533W	3021N	5484-16150	00000/0000	1-10052/0500	08/15/76	10	0693	47.4	103.1	GGGG		34	39
10534W	4726N	5719-16122	00000/0000	1-10058/0027	04/07/77	10	3970	35.6	123.9	GGG		38	27
10534W	3023N	5466-16163	00000/0000	1-10052/0083	07/28/76	90	0442	49.6	96.3	GGGG		34	39
10535W	3018N	5805-15461	00000/0000	1-10060/0382	07/02/77	20	5169	45.3	86.8	GGG		34	39
10536W	4725N	5773-16072	00000/0000	1-10059/0297	05/31/77	10	4723	47.2	111.3	GGG		38	27
10537W	4729N	5755-16090	00000/0000	1-10059/0117	05/13/77	10	4472	45.1	115.4	GGG		38	27
10537W	4725N	5791-16054	00000/0000	1-10060/0013	06/18/77	10	4974	47.4	108.5	GGF		38	27
10538W	3434N	5680-16022	00000/0000	1-10056/0119	02/27/77	0	3426	27.6	123.7	GGGG		35	36
10538W	3021N	5769-15495	00000/0000	1-10059/0191	05/27/77	20	4667	46.8	90.4	GGG		34	39
10538W	3016N	5787-15480	00000/0000	1-10059/0561	06/14/77	10	4918	46.4	87.1	GGG		34	39
10541W	3434N	5662-16040	00000/0000	1-10055/0074	02/09/77	0	3175	22.0	128.5	GGGG		35	36
10542W	3437N	5521-16162	00000/0000	1-10053/0598	09/21/76	10	1209	39.6	124.0	GGGG		35	36
10543W	4310N	5664-16125	00000/0000	1-10055/0080	02/11/77	40	3203	19.2	132.4	GGGG		37	30
10544W	4309N	5505-16264	00000/0000	1-10053/0220	09/05/76	0	0986	40.2	125.9	GFFG		37	30
10544W	4309N	5523-16251	00000/0000	1-10053/0607	09/23/76	50	1237	35.2	132.1	GGGG		37	30
10544W	3853N	5663-16082	00000/0000	1-10055/0097	02/10/77	0	3189	21.1	130.4	GGGG		36	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 77

LANDSAT-1
COORDINATE LISTING
FOR US

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FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV MSS						123 45678				
10544W	3850N	5681-16065	00000/0000	1-10056/0161	02/28/77	10	3440	26.1	126.1	GGGG		36	33
10544W	3437N	5539-16145	00000/0000	1-10054/0253	10/09/76	0	1460	35.1	130.7	GGGG		35	36
10545W	4307N	5541-16234	00000/0000	1-10054/0276	10/11/76	10	1488	29.8	137.3	GGGG		37	30
10545W	3442N	5485-16192	00000/0000	1-10052/0562	08/16/76	20	0707	46.8	108.7	GGGG		35	36
10545W	3441N	5503-16175	00000/0000	1-10053/0174	09/03/76	10	0958	43.6	116.3	GGGG		35	36
10545W	3438N	5752-15555	00000/0000	1-10058/0260	05/10/77	10	4430	46.6	100.6	GGG		35	36
10545W	3437N	5467-16205	00000/0000	1-10052/0133	07/29/76	10	0456	49.5	102.3	GGGG		35	36
10547W	4314N	5754-16044	00000/0000	1-10058/0282	05/12/77	20	4458	45.7	110.4	GGG		37	30
10548W	4311N	5736-16062	00000/0000	1-10058/0005	04/24/77	0	4207	41.9	115.4	GGG		37	30
10548W	3854N	5540-16192	00000/0000	1-10054/0265	10/10/76	0	1474	32.5	134.1	GGGG		36	33
10548W	3437N	5824-15484	00000/0000	1-10061/0154	07/21/77	40	5434	43.9	94.3	GGF		35	36
10548W	3433N	5806-15504	00000/0000	1-10060/0274	07/03/77	20	5183	45.9	91.7	GFG		35	36
10549W	4311N	5772-16030	00000/0000	1-10059/0136	05/30/77	10	4709	47.6	105.8	GGG		37	30
10549W	4308N	5826-15573	00000/0000	1-10061/0161	07/23/77	50	5462	43.9	104.5	GGG		37	30
10549W	3859N	5486-16234	00000/0000	1-10052/0573	08/17/76	70	0721	45.9	114.3	GFGG		36	33
10549W	3855N	5504-16222	00000/0000	1-10053/0208	09/04/76	10	0972	42.0	121.2	GGGG		36	33
10549W	3438N	5770-15541	00000/0000	1-10059/0254	05/28/77	0	4681	47.4	95.3	GFG		35	36
10549W	3434N	5788-15523	00000/0000	1-10059/0498	06/15/77	0	4932	47.2	92.1	GGG		35	36
10550W	3857N	5735-16015	00000/0000	1-10057/0110	04/23/77	10	4193	42.3	111.1	GGG		36	33
10550W	3856N	5753-16001	00000/0000	1-10058/0271	05/11/77	0	4444	46.0	105.5	GGG		36	33
10550W	3854N	5468-16251	00000/0000	1-10052/0178	07/30/76	20	0470	49.1	108.3	GGGG		36	33
10550W	3854N	5522-16205	00000/0000	1-10053/0578	09/22/76	50	1223	37.6	128.1	GGGG		36	33
10552W	4306N	5790-16011	00000/0000	1-10059/0635	06/17/77	10	4960	47.7	102.8	GGG		37	30
10552W	4304N	5808-15592	00000/0000	1-10060/0462	07/05/77	10	5211	46.3	102.3	GGG		37	30
10553W	3853N	5771-15584	00000/0000	1-10059/0265	05/29/77	30	4695	47.7	100.4	GGG		36	33
10554W	3851N	5789-15565	00000/0000	1-10059/0624	06/16/77	10	4946	47.6	97.3	GGG		36	33
10554W	3850N	5807-15550	00000/0000	1-10060/0308	07/04/77	30	5197	46.3	96.9	FFF		36	33
10555W	2856N	5751-15515	00000/0000	1-10058/0149	05/09/77	10	4416	45.6	94.3	GGG		34	40
10555W	2854N	5520-16122	00000/0000	1-10053/0547	09/20/76	10	1195	41.9	118.1	GGGG		34	40
10555W	2849N	5661-16000	00000/0000	1-10055/0194	02/08/77	80	3161	25.2	125.8	GGGG		34	40
10556W	2856N	5502-16135	00000/0000	1-10053/0163	09/02/76	90	0944	45.0	109.6	GGGG		34	40
10557W	2854N	5484-16152	00000/0000	1-10052/0501	08/15/76	30	0693	47.5	101.4	GGGG		34	40
10559W	2851N	5805-15464	00000/0000	1-10060/0383	07/02/77	60	5169	44.8	85.2	GGG		34	40
10601W	2854N	5769-15501	00000/0000	1-10059/0192	05/27/77	10	4667	46.5	88.7	GGG		34	40
10602W	2850N	5787-15483	00000/0000	1-10059/0562	06/14/77	0	4918	46.1	85.5	GGG		34	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PAGE 0205

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
10603W 3309N	5680-16025	00000/0000	1-10056/0120	02/27/77	10	3426	28.1	122.8	GGGF			35	37
10604W 4601N	5506-16313	00000/0000	1-10053/0253	09/06/76	60	1000	38.7	129.0	GGGG			38	28
10604W 4600N	5524-16300	00000/0000	1-10054/0003	09/24/76	50	1251	33.4	134.7	GGGG			38	28
10605W 4600N	5665-16173	00000/0000	1-10055/0052	02/12/77	90	3217	18.0	133.6	GGGG			38	28
10605W 3308N	5662-16042	00000/0000	1-10055/0075	02/09/77	0	3175	23.6	127.8	GGGG			35	37
10607W 4605N	5470-16343	00000/0000	1-10052/0191	08/01/76	90	0498	47.3	118.3	GGGG			38	28
10607W 4602N	5488-16330	00000/0000	1-10052/0592	08/19/76	20	0749	43.3	123.2	GGGG			38	28
10608W 4601N	5719-16125	00000/0000	1-10058/0028	04/07/77	0	3970	36.1	122.6	GGG			38	28
10608W 3312N	5521-16165	00000/0000	1-10053/0599	09/21/76	10	1209	40.2	122.7	GGGG			35	37
10610W 3312N	5467-16212	00000/0000	1-10052/0134	07/29/76	10	0456	49.6	100.4	GGGG			35	37
10610W 3311N	5539-16152	00000/0000	1-10054/0254	10/09/76	0	1460	35.8	129.6	GGGG			35	37
10611W 4603N	5755-16093	00000/0000	1-10059/0118	05/13/77	20	4472	45.4	113.7	GGG			38	28
10611W 4600N	5773-16075	00000/0000	1-10059/0298	05/31/77	10	4723	47.4	109.4	GGG			38	28
10611W 3316N	5503-16182	00000/0000	1-10053/0175	09/03/76	10	0958	43.9	114.8	GGGG			35	37
10611W 3315N	5485-16195	00000/0000	1-10052/0563	08/16/76	40	0707	47.0	107.0	GGGG			35	37
10611W 3312N	5752-15562	00000/0000	1-10058/0261	05/10/77	10	4430	46.0	98.9	GGG			35	37
10612W 4600N	5791-16060	00000/0000	1-10060/0014	06/18/77	20	4974	47.6	106.5	GFG			38	28
10612W 3728N	5663-16085	00000/0000	1-10055/0098	02/10/77	30	3189	21.8	129.7	GGGG			36	34
10613W 4145N	5664-16131	00000/0000	1-10055/0081	02/11/77	40	3203	19.8	131.7	GGGG			37	31
10613W 3725N	5681-16071	00000/0000	1-10056/0162	02/28/77	0	3440	26.7	125.2	GGGG			36	34
10613W 3312N	5824-15491	00000/0000	1-10061/0155	07/21/77	40	5434	43.7	92.8	GGG			35	37
10614W 3308N	5806-15510	00000/0000	1-10060/0275	07/03/77	10	5183	45.6	90.1	FFG			35	37
10615W 4144N	5505-16270	00000/0000	1-10053/0221	09/05/76	0	0986	40.7	124.5	GFGG			37	31
10615W 4143N	5523-16254	00000/0000	1-10053/0608	09/23/76	20	1237	35.9	130.9	GGGG			37	31
10615W 3312N	5770-15544	00000/0000	1-10059/0255	05/28/77	0	4681	47.2	93.5	GGG			35	37
10616W 4142N	5541-16241	00000/0000	1-10054/0277	10/11/76	50	1488	30.7	136.4	GGGG			37	31
10616W 3728N	5540-16194	00000/0000	1-10054/0266	10/10/76	0	1474	33.3	133.1	GGGG			36	34
10616W 3309N	5788-15525	00000/0000	1-10059/0499	06/15/77	0	4932	47.0	90.3	GGG			35	37
10617W 3733N	5486-16241	00000/0000	1-10052/0574	08/17/76	50	0721	46.2	112.6	GGGG			36	34
10617W 3730N	5504-16224	00000/0000	1-10053/0209	09/04/76	10	0972	42.5	119.7	GGGG			36	34
10617W 3730N	5753-16004	00000/0000	1-10058/0272	05/11/77	0	4444	46.1	103.7	GGG			36	34
10617W 3728N	5522-16211	00000/0000	1-10053/0579	09/22/76	30	1223	38.2	126.9	GGGG			36	34
10618W 4145N	5736-16064	00000/0000	1-10058/0006	04/24/77	10	4207	42.2	113.9	GGG			37	31
10618W 3731N	5735-16022	00000/0000	1-10057/0111	04/23/77	10	4193	42.8	109.6	GGG			36	34
10618W 3728N	5468-16254	00000/0000	1-10052/0179	07/30/76	10	0470	49.2	106.4	GGGG			36	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PAGE 0206

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10619W	4851N	5525-16345	00000/0000	1-10054/0019	09/25/76	10	1265	31.5	137.3	GGGG			39	26
10619W	4148N	5754-16050	00000/0000	1-10058/0283	05/12/77	90	4458	45.9	108.6	GGG			37	31
10620W	4145N	5772-16032	00000/0000	1-10059/0137	05/30/77	10	4709	47.7	103.9	GGG			37	31
10621W	4854N	5489-16375	00000/0000	1-10052/0636	08/20/76	50	0763	42.0	126.8	GGGG			39	26
10621W	4849N	5543-16332	00000/0000	1-10054/0359	10/13/76	90	1516	25.7	141.6	GGGG			39	26
10622W	4142N	5790-16014	00000/0000	1-10059/0636	06/17/77	10	4960	47.9	100.9	GGG			37	31
10622W	4139N	5808-15595	00000/0000	1-10060/0463	07/05/77	40	5211	46.3	100.5	GGG			37	31
10622W	3727N	5771-15590	00000/0000	1-10059/0266	05/29/77	10	4695	47.6	98.6	GGG			36	34
10622W	3724N	5789-15572	00000/0000	1-10059/0625	06/16/77	10	4946	47.5	95.5	GGG			36	34
10622W	3724N	5807-15552	00000/0000	1-10060/0309	07/04/77	40	5197	46.2	95.2	FGG			36	34
10623W	4857N	5471-16392	00000/0000	1-10052/0203	08/02/76	10	0512	46.2	122.2	GGGG			39	26
10623W	4853N	5720-16173	00000/0000	1-10057/0015	04/08/77	0	3984	35.4	125.1	GGG			39	26
10624W	4854N	5756-16142	00000/0000	1-10058/0229	05/14/77	10	4486	44.9	117.0	GGG			39	26
10626W	4852N	5774-16124	00000/0000	1-10059/0193	06/01/77	0	4737	47.5	113.0	GGG			39	26
10627W	4849N	5792-16105	00000/0000	1-10059/0672	06/19/77	10	4988	47.9	110.3	GGG			39	26
10628W	3143N	5680-16031	00000/0000	1-10056/0121	02/27/77	0	3426	28.7	121.9	GGGG			35	38
10630W	3142N	5662-16045	00000/0000	1-10055/0076	02/09/77	10	3175	24.9	127.0	GGGG			35	38
10633W	3146N	5521-16171	00000/0000	1-10053/0600	09/21/76	10	1209	40.7	121.3	GGGG			35	38
10634W	3144N	5539-16154	00000/0000	1-10054/0255	10/09/76	0	1460	36.5	128.5	GGGG			35	38
10635W	3148N	5485-16201	00000/0000	1-10052/0564	08/16/76	40	0707	47.2	105.3	GGGG			35	38
10635W	3147N	5467-16214	00000/0000	1-10052/0135	07/29/76	10	0456	49.5	98.5	GGGG			35	38
10636W	3150N	5503-16184	00000/0000	1-10053/0176	09/03/76	10	0958	44.3	113.2	GGGG			35	38
10636W	3145N	5752-15564	00000/0000	1-10058/0262	05/10/77	10	4430	45.9	97.2	GGG			35	38
10637W	4436N	5506-16315	00000/0000	1-10053/0254	09/06/76	50	1000	39.3	127.7	GGGG			38	29
10638W	4435N	5665-16180	00000/0000	1-10055/0053	02/12/77	80	3217	18.7	132.9	GGGG			38	29
10638W	3146N	5824-15493	00000/0000	1-10061/0156	07/21/77	40	5434	43.5	91.2	GGG			35	38
10640W	4439N	5470-16345	00000/0000	1-10052/0192	08/01/76	90	0498	47.7	116.4	GGGG			38	29
10640W	3600N	5681-16074	00000/0000	1-10056/0163	02/28/77	0	3440	27.3	124.3	GGGG			36	35
10640W	3146N	5770-15550	00000/0000	1-10059/0256	05/28/77	0	4681	47.0	91.8	GGG			35	38
10641W	4437N	5488-16332	00000/0000	1-10052/0593	08/19/76	10	0749	43.8	121.6	GGGG			38	29
10641W	4436N	5719-16131	00000/0000	1-10058/0029	04/07/77	0	3970	36.6	121.3	GGG			38	29
10641W	3143N	5788-15532	00000/0000	1-10059/0500	06/15/77	0	4932	46.7	88.6	GGG			35	38
10643W	4019N	5664-16134	00000/0000	1-10055/0082	02/11/77	70	3203	20.6	130.9	GGGG			37	32
10643W	3607N	5486-16243	00000/0000	1-10052/0575	08/17/76	30	0721	46.4	110.9	GGGG			36	35
10643W	3605N	5753-16010	00000/0000	1-10058/0273	05/11/77	10	4444	46.1	102.0	GGG			36	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0207

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123					
10643W	3603N	5540-16201	00000/0000	1-10054/0267	10/10/76	0	1474	34.1	132.1	GGGG				36	35
10643W	3601N	5522-16214	00000/0000	1-10053/0580	09/22/76	10	1223	38.8	125.6	GGGG				36	35
10644W	4437N	5755-16095	00000/0000	1-10059/0119	05/13/77	60	4472	45.6	111.9	GGG				38	29
10644W	4435N	5773-16081	00000/0000	1-10059/0299	05/31/77	0	4723	47.6	107.5	GGG				38	29
10644W	3602N	5468-16260	00000/0000	1-10052/0180	07/30/76	10	0470	49.3	104.5	GGGG				36	35
10645W	4435N	5791-16063	00000/0000	1-10060/0015	06/18/77	70	4974	47.6	104.6	GFQ				38	29
10645W	4019N	5505-16273	00000/0000	1-10053/0222	09/05/76	10	0986	41.3	123.0	GGGG				37	32
10645W	4017N	5523-16260	00000/0000	1-10053/0609	09/23/76	30	1237	36.6	129.7	GGGG				37	32
10645W	3604N	5504-16231	00000/0000	1-10053/0210	09/04/76	10	0972	43.0	118.2	GGGG				36	35
10646W	4017N	5541-16243	00000/0000	1-10054/0278	10/11/76	90	1488	31.5	135.4	GGGG				37	32
10648W	4021N	5754-16059	00000/0000	1-10058/0284	05/12/77	70	4458	46.0	106.9	GGG				37	32
10648W	4019N	5736-16071	00000/0000	1-10058/0007	04/24/77	10	4207	42.5	112.3	GGG				37	32
10649W	3601N	5771-15593	00000/0000	1-10059/0267	05/29/77	0	4695	47.5	96.8	GGG				36	35
10649W	3559N	5807-15555	00000/0000	1-10060/0310	07/04/77	70	5197	46.0	93.5	GGG				36	35
10650W	4020N	5772-16035	00000/0000	1-10059/0138	05/30/77	10	4709	47.7	102.1	GGG				37	32
10650W	3557N	5789-15574	00000/0000	1-10059/0626	06/16/77	0	4946	47.0	93.7	GGG				36	35
10652W	4017N	5790-16020	00000/0000	1-10059/0637	06/17/77	10	4960	47.2	99.0	GGG				37	32
10652W	4014N	5808-16001	00000/0000	1-10060/0464	07/05/77	60	5211	46.3	98.7	GGG				37	32
10653W	3017N	5680-16034	00000/0000	1-10056/0122	02/27/77	0	3426	29.2	121.0	GGGG				35	39
10654W	3016N	5662-16051	00000/0000	1-10055/0077	02/09/77	10	3175	24.8	126.3	GGGG				38	39
10655W	4726N	5525-16351	00000/0000	1-10054/0020	09/25/76	30	1265	32.3	136.2	GGGG				39	27
10658W	4729N	5489-16381	00000/0000	1-10052/0637	08/20/76	20	0763	42.6	125.2	GGGG				39	27
10658W	4724N	5543-16335	00000/0000	1-10054/0360	10/13/76	30	1516	26.6	140.7	GGGG				39	27
10658W	3021N	5521-16174	00000/0000	1-10053/0601	09/21/76	10	1209	41.2	120.0	GGGG				35	39
10659W	4731N	5471-16394	00000/0000	1-10052/0204	08/02/76	20	0512	46.7	120.4	GGGG				39	27
10659W	4728N	5720-16180	00000/0000	1-10057/0016	04/08/77	0	3984	35.9	123.7	GGG				39	27
10659W	3023N	5467-16221	00000/0000	1-10052/0136	07/29/76	10	0456	49.5	96.6	GGGG				35	39
10659W	3018N	5539-16161	00000/0000	1-10054/0256	10/09/76	0	1460	37.2	127.4	GGGG				35	39
10700W	4729N	5756-16144	00000/0000	1-10058/0230	05/14/77	10	4486	45.2	115.2	GGG				39	27
10700W	3024N	5503-16191	00000/0000	1-10053/0177	09/03/76	10	0958	44.6	111.7	GGGG				35	39
10700W	3021N	5485-16204	00000/0000	1-10052/0565	08/16/76	30	0707	47.3	103.5	GGGG				35	39
10701W	4726N	5774-16130	00000/0000	1-10059/0194	06/01/77	0	4737	47.3	111.1	GGF				39	27
10701W	3019N	5752-15571	00000/0000	1-10058/0263	05/10/77	0	4430	45.8	95.6	GGG				38	39
10704W	4725N	5792-16111	00000/0000	1-10059/0673	06/19/77	10	4988	47.4	108.4	GGG				39	27
10704W	3019N	5770-15553	00000/0000	1-10059/0257	05/28/77	0	4681	46.8	90.1	GGG				35	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10705W	3016N	5788-15534	00000/0000	1-10059/0501	06/15/77	0	4932	46.4	87.0	FGG			35	39
10707W	3434N	5681-16080	00000/0000	1-10056/0164	02/28/77	0	3440	27.8	123.4	GGGG			36	36
10709W	4310N	5506-16322	00000/0000	1-10053/0255	09/06/76	70	1000	39.8	126.3	GGGG			38	30
10709W	3441N	5753-16013	00000/0000	1-10058/0274	05/11/77	10	4444	46.1	100.3	GGG			36	36
10709W	3437N	5540-16203	00000/0000	1-10054/0268	10/10/76	0	1474	34.8	131.0	GGGG			36	36
10710W	5010N	5544-16384	00000/0000	1-10054/0337	10/14/76	70	1530	24.5	142.7	GGGG			40	25
10710W	4309N	5665-16182	00000/0000	1-10055/0054	02/12/77	40	3217	19.4	132.2	GGGG			38	30
10710W	3440N	5486-16250	00000/0000	1-10052/0576	08/17/76	30	0721	46.7	109.2	GGGG			36	36
10710W	3436N	5468-16263	00000/0000	1-10052/0181	07/30/76	10	0470	49.4	102.6	GGGG			36	36
10710W	3434N	5522-16220	00000/0000	1-10053/0581	09/22/76	30	1223	39.4	124.3	GGGG			36	36
10712W	4313N	5470-16352	00000/0000	1-10055/0193	08/01/76	90	0498	48.0	114.5	GGGG			38	30
10712W	3853N	5664-16140	00000/0000	1-10055/0083	02/11/77	40	3203	21.3	130.2	GGGG			37	33
10712W	3439N	5504-16233	00000/0000	1-10053/0211	09/04/76	10	0972	43.4	116.7	GGGG			36	36
10713W	4311N	5488-16335	00000/0000	1-10052/0594	08/19/76	10	0749	44.3	120.0	GGGG			38	30
10713W	4310N	5719-16134	00000/0000	1-10058/0030	04/07/77	0	3970	37.6	119.9	GGG			38	30
10714W	3854N	5505-16275	00000/0000	1-10053/0223	09/05/76	10	0986	41.8	121.6	GFGG			37	33
10714W	3852N	5523-16263	00000/0000	1-10053/0610	09/23/76	20	1237	37.3	128.5	GGGG			37	33
10715W	3851N	5541-16250	00000/0000	1-10054/0279	10/11/76	90	1488	32.0	134.4	GGGG			37	33
10715W	3436N	5771-15595	00000/0000	1-10059/0268	05/29/77	0	4695	47.4	95.0	PPP			36	36
10716W	4312N	5755-16102	00000/0000	1-10059/0120	05/13/77	70	4472	45.8	110.1	GGG			38	30
10716W	4309N	5773-16084	00000/0000	1-10059/0300	05/31/77	0	4723	47.7	105.6	GGG			38	30
10716W	3857N	5469-16305	00000/0000	1-10052/0182	07/31/76	10	0484	48.2	108.6	GGGG			37	33
10716W	3431N	5789-15581	00000/0000	1-10059/0627	06/16/77	0	4946	47.4	92.0	GGG			36	36
10717W	3855N	5754-16055	00000/0000	1-10058/0285	05/12/77	80	4458	46.2	105.1	GGG			37	33
10717W	3854N	5736-16073	00000/0000	1-10058/0008	04/24/77	10	4207	42.8	110.8	GGG			37	33
10718W	4311N	5791-16065	00000/0000	1-10060/0016	06/18/77	80	4974	47.7	102.7	GGG			38	30
10719W	3855N	5772-16041	00000/0000	1-10059/0139	05/30/77	10	4709	47.7	100.2	FGF			37	33
10720W	3851N	5790-16023	00000/0000	1-10059/0638	06/17/77	30	4960	47.6	97.2	GGG			37	33
10721W	3850N	5808-16004	00000/0000	1-10060/0465	07/05/77	80	5211	46.2	97.0	FGG			37	33
10721W	2855N	5521-16180	00000/0000	1-10053/0602	09/21/76	60	1209	41.3	118.6	GGGG			35	40
10724W	2857N	5503-16193	00000/0000	1-10053/0178	09/03/76	50	0958	44.9	110.1	GGGG			35	40
10730W	4601N	5525-16354	00000/0000	1-10054/0021	09/25/76	50	1265	33.1	135.0	GGGG			39	28
10732W	4600N	5543-16341	00000/0000	1-10054/0361	10/13/76	10	1516	27.5	139.7	GGGG			39	28
10733W	4605N	5471-16401	00000/0000	1-10052/0205	08/02/76	90	0512	47.4	118.5	GGG			39	28
10733W	4604N	5489-16384	00000/0000	1-10052/0638	08/20/76	20	0763	43.1	123.6	GGGG			39	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0209

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLCUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS					123 45678				
10733W	4603N	5720-16182	00000/0000	1-10057/0017	0	3984	36.4	122.4	GGG			39	28
10733W	3307N	5681-16083	00000/0000	1-10056/0165	0	3440	28.4	122.5	GGGG			36	37
10735W	4604N	5756-16151	00000/0000	1-10058/0231	10	4486	45.5	113.4	GGG			39	28
10735W	3315N	5486-16252	00000/0000	1-10052/0577	40	0721	46.0	107.4	GGGG			36	37
10735W	3314N	5759-16015	00000/0000	1-10058/0275	0	4444	46.8	98.6	GGG			36	37
10735W	3311N	5540-16210	00000/0000	1-10054/0269	0	1474	35.5	129.9	GGGG			36	37
10736W	3308N	5522-16223	00000/0000	1-10053/0582	10	1223	40.0	123.0	GGGG			36	37
10737W	4600N	5774-16133	00000/0000	1-10059/0195	0	4737	47.5	109.2	GGG			39	28
10737W	3313N	5504-16240	00000/0000	1-10053/0212	20	0972	43.8	115.2	GGGG			36	37
10738W	4600N	5792-16114	00000/0000	1-10059/0674	10	4988	47.5	106.4	GGG			39	28
10740W	4145N	5506-16324	00000/0000	1-10053/0256	80	1000	40.5	124.9	GGGG			38	31
10740W	4143N	5665-16185	00000/0000	1-10055/0055	80	3217	20.2	131.4	GGGG			38	31
10740W	3727N	5664-16143	00000/0000	1-10055/0084	40	3203	22.0	129.5	GGGG			37	34
10741W	3727N	5523-16265	00000/0000	1-10053/0611	30	1237	37.0	127.2	GGGG			37	34
10741W	3722N	5682-16125	00000/0000	1-10056/0138	80	3454	27.0	124.9	GGGG			37	34
10741W	3310N	5771-16002	00000/0000	1-10059/0269	0	4695	47.0	93.3	GFF			36	37
10742W	3729N	5505-16282	00000/0000	1-10053/0224	10	0986	42.3	120.1	FFFG			37	34
10742W	3306N	5789-15583	00000/0000	1-10059/0628	0	4946	46.0	90.2	GGG			36	37
10743W	4147N	5470-16354	00000/0000	1-10052/0194	90	0498	48.0	112.7	GGGF			38	31
10743W	3730N	5469-16312	00000/0000	1-10052/0183	30	0484	49.1	106.7	GGGG			37	34
10743W	3725N	5541-16252	00000/0000	1-10054/0280	30	1488	33.1	133.4	FGGG			37	34
10744W	4146N	5488-16341	00000/0000	1-10052/0595	10	0749	44.0	118.3	GGGG			38	31
10744W	4145N	5719-16140	00000/0000	1-10058/0031	0	3970	37.4	118.6	GGG			38	31
10745W	4853N	5508-16420	00000/0000	1-10053/0277	50	1028	36.2	132.4	GGGG			40	26
10745W	3729N	5736-16080	00000/0000	1-10058/0009	10	4207	43.0	109.2	FGG			37	34
10745W	3729N	5754-16062	00000/0000	1-10058/0286	30	4458	46.2	103.4	GGG			37	34
10746W	4849N	5526-16403	00000/0000	1-10054/0006	50	1279	31.2	137.5	GGGG			40	26
10747W	4851N	5490-16433	00000/0000	1-10052/0664	0	0777	41.0	127.1	GGGG			40	26
10747W	4846N	5544-16390	00000/0000	1-10054/0338	30	1530	25.4	141.8	GGGG			40	26
10747W	4144N	5773-16090	00000/0000	1-10059/0301	0	4723	47.7	103.7	GGG			38	31
10748W	3729N	5772-16044	00000/0000	1-10059/0140	0	4709	47.0	98.4	GGG			37	34
10748W	3725N	5790-16025	00000/0000	1-10059/0639	10	4960	47.5	95.4	GGG			37	34
10749W	4853N	5721-16231	00000/0000	1-10057/0029	0	3998	35.2	124.9	FGG			40	26
10749W	4146N	5791-16072	00000/0000	1-10060/0017	10	4974	47.7	100.9	GGG			38	31
10749W	3725N	5808-16010	00000/0000	1-10060/0466	80	5211	46.2	95.2	GGG			37	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	POINT LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
10751W	4852N	5757-16195	00000/0000	1-10058/0198	05/15/77	100	4500	45.1	116.8	GGG				40	26
10752W	4849N	5793-16163	00000/0000	1-10059/0645	06/20/77	30	5002	47.2	110.2	GGG				40	26
10752W	4848N	5811-16144	00000/0000	1-10060/0342	07/08/77	40	5253	45.7	109.9	GGG				40	26
10758W	3140N	5681-16085	00000/0000	1-10056/0166	02/28/77	0	3440	28.9	121.6	GGGG				36	38
10800W	3149N	5486-16255	00000/0000	1-10052/0578	08/17/76	20	0721	47.0	105.7	GGGG				36	38
10800W	3147N	5753-16022	00000/0000	1-10058/0276	05/11/77	0	4444	46.0	96.9	GGG				36	38
10800W	3145N	5540-16212	00000/0000	1-10054/0270	10/10/76	0	1474	36.2	128.9	GGGG				36	38
10801W	3142N	5522-16225	00000/0000	1-10053/0583	09/22/76	0	1223	40.5	121.7	GGGG				36	38
10802W	3146N	5504-16242	00000/0000	1-10053/0213	09/04/76	50	0972	44.1	113.7	GGGG				36	38
10804W	4436N	5525-16360	00000/0000	1-10054/0022	09/25/76	70	1265	33.8	133.9	GGGG				39	29
10805W	4434N	5543-16344	00000/0000	1-10054/0362	10/13/76	10	1516	28.4	138.8	GGGG				39	29
10806W	4440N	5471-16403	00000/0000	1-10052/0206	08/02/76	90	0512	47.5	116.7	PGGG				39	29
10806W	4438N	5489-16390	00000/0000	1-10052/0639	08/20/76	10	0763	43.6	121.9	GGGG				39	29
10806W	4438N	5720-16185	00000/0000	1-10057/0018	04/08/77	0	3984	36.8	121.1	GGG				39	29
10806W	3145N	5771-16004	00000/0000	1-10059/0270	05/29/77	0	4695	47.9	91.5	GFF				36	38
10806W	3141N	5789-15590	00000/0000	1-10059/0629	06/16/77	0	4946	46.6	88.6	GGG				36	38
10807W	3601N	5664-16145	00000/0000	1-10055/0085	02/11/77	30	3203	22.7	128.7	GGGG				37	35
10808W	4438N	5756-16153	00000/0000	1-10058/0232	05/14/77	10	4486	45.8	111.6	FFF				39	29
10808W	3602N	5523-16272	00000/0000	1-10053/0612	09/23/76	10	1237	38.6	126.0	GGGG				37	35
10808W	3557N	5682-16132	00000/0000	1-10056/0139	03/01/77	90	3454	27.6	124.0	GGGG				37	35
10810W	4435N	5774-16135	00000/0000	1-10059/0196	06/01/77	0	4737	47.6	107.3	GGG				39	29
10810W	4020N	5506-16331	00000/0000	1-10053/0257	09/06/76	70	1000	41.0	123.4	GGGG				38	32
10810W	4017N	5665-16191	00000/0000	1-10055/0056	02/12/77	50	3217	20.9	130.7	GGGG				38	32
10810W	3604N	5469-16314	00000/0000	1-10052/0184	07/31/76	30	0484	49.2	104.8	GGGG				37	35
10810W	3603N	5505-16284	00000/0000	1-10053/0225	09/05/76	10	0986	42.7	118.6	GGGG				37	35
10810W	3600N	5541-16255	00000/0000	1-10054/0281	10/11/76	0	1488	33.8	132.4	GGGG				37	35
10811W	4435N	5792-16120	00000/0000	1-10059/0675	06/19/77	10	4988	47.6	104.5	GGG				39	29
10812W	3603N	5754-16064	00000/0000	1-10058/0287	05/12/77	40	4458	46.8	101.7	GGG				37	35
10813W	4022N	5470-16361	00000/0000	1-10052/0195	08/01/76	90	0498	48.9	110.8	GGGG				38	32
10813W	4020N	5488-16344	00000/0000	1-10052/0596	08/19/76	20	0749	45.1	116.7	GGGG				38	32
10814W	4019N	5719-16143	00000/0000	1-10058/0032	04/07/77	0	3970	37.9	117.3	GGG				38	32
10815W	3604N	5772-16050	00000/0000	1-10059/0141	05/30/77	0	4709	47.6	96.6	GGG				37	35
10815W	3600N	5790-16032	00000/0000	1-10059/0640	06/17/77	10	4960	47.8	93.6	GGG				37	35
10816W	3600N	5808-16013	00000/0000	1-10060/0467	07/05/77	70	5211	45.8	93.5	GGG				37	35
10817W	4018N	5773-16093	00000/0000	1-10059/0302	05/31/77	0	4723	47.8	101.8	GGG				38	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0211

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS	MSS	ORBIT	FRAME	
									RBV	MSS	DATA	IMAGE	PATH	ROW
LONG	LAT	RBV	MSS						123	45678	MODE	NUM.	NUM.	
10818W	4021N	5791-16074	00000/0000	1-10060/0018	06/18/77	0	4974	47.6	99.0		GGG		38	32
10822W	4728N	5508-16422	00000/0000	1-10053/0278	09/08/76	30	1028	37.4	131.1		GGGF		40	27
10822W	4725N	5526-16405	00000/0000	1-10054/0007	09/26/76	80	1279	32.6	136.4		GGGG		40	27
10823W	4721N	5544-16393	00000/0000	1-10054/0339	10/14/76	50	1530	26.9	140.9		GGGG		40	27
10823W	3014N	5681-16092	00000/0000	1-10056/0167	02/28/77	0	3440	29.8	120.7		GGGG		36	39
10824W	4726N	5490-16435	00000/0000	1-10052/0665	08/21/76	0	0777	42.3	125.5		GGGG		40	27
10824W	3019N	5540-16215	00000/0000	1-10054/0271	10/10/76	0	1474	36.9	127.7		FGGG		36	39
10824W	3017N	5522-16232	00000/0000	1-10053/0584	09/22/76	10	1223	41.0	120.4		GGGG		36	39
10825W	4728N	5721-16234	00000/0000	1-10057/0030	04/09/77	0	3998	36.2	123.5		GGG		40	27
10825W	3023N	5486-16261	00000/0000	1-10052/0579	08/17/76	40	0721	47.1	104.0		GFGG		36	39
10825W	3020N	5753-16024	00000/0000	1-10058/0277	05/11/77	0	4444	45.9	95.2		GGG		36	39
10826W	3019N	5504-16245	00000/0000	1-10053/0214	09/04/76	70	0972	44.4	112.1		GGGG		36	39
10827W	4727N	5721-16202	00000/0000	1-10059/0199	05/15/77	100	4500	45.4	115.0		GGG		40	27
10828W	4723N	5811-16150	00000/0000	1-10060/0343	07/08/77	10	5253	45.8	108.0		GGG		40	27
10829W	4725N	5793-16165	00000/0000	1-10059/0646	06/20/77	80	5002	47.4	108.3		GGG		40	27
10830W	3020N	5771-16011	00000/0000	1-10059/0271	05/29/77	0	4695	46.8	89.8		GGG		36	39
10830W	3015N	5789-16592	00000/0000	1-10059/0630	06/16/77	0	4946	46.3	86.9		GGG		36	39
10833W	3435N	5664-16152	00000/0000	1-10055/0086	02/11/77	20	3203	29.4	128.0		GGGG		37	36
10835W	3436N	5523-16274	00000/0000	1-10053/0613	09/23/76	20	1237	39.2	124.7		GGG		37	36
10835W	3432N	5682-16134	00000/0000	1-10056/0140	03/01/77	90	3454	28.2	123.1		GGGF		37	36
10836W	4311N	5525-16363	00000/0000	1-10054/0023	09/25/76	30	1265	34.6	132.7		GGGG		39	30
10836W	3435N	5541-16261	00000/0000	1-10054/0282	10/11/76	0	1488	34.6	131.3		GGGG		37	36
10837W	4314N	5471-16410	00000/0000	1-10052/0207	08/02/76	100	0512	47.8	114.8		PGGG		39	30
10837W	4309N	5543-16350	00000/0000	1-10054/0363	10/13/76	10	1516	29.2	137.9		GGGG		39	30
10837W	3437N	5469-16321	00000/0000	1-10052/0185	07/31/76	30	0484	49.3	102.9		GGGG		37	36
10837W	3437N	5505-16291	00000/0000	1-10053/0226	09/05/76	60	0986	43.2	117.2		GFGG		37	36
10838W	4312N	5489-16393	00000/0000	1-10052/0640	08/20/76	10	0763	44.1	120.3		GGGG		39	30
10838W	3438N	5754-16071	00000/0000	1-10058/0288	05/12/77	40	4458	46.2	99.9		GGG		37	36
10839W	4313N	5720-16191	00000/0000	1-10057/0019	04/08/77	0	3984	37.3	119.7		GGG		39	30
10839W	3854N	5506-16333	00000/0000	1-10053/0258	09/06/76	90	1000	41.6	122.0		GGGG		38	33
10839W	3851N	5665-16194	00000/0000	1-10055/0057	02/12/77	10	3217	21.6	130.0		GGGG		38	33
10840W	4313N	5756-16160	00000/0000	1-10058/0233	05/14/77	90	4486	46.0	109.9		GGG		39	30
10841W	3854N	5488-16350	00000/0000	1-10052/0597	08/19/76	20	0749	45.5	115.0		GGGG		38	33
10841W	3438N	5772-16053	00000/0000	1-10059/0142	05/30/77	0	4709	47.3	94.8		GGG		37	36
10842W	4309N	5774-16142	00000/0000	1-10059/0197	06/01/77	0	4737	47.7	105.4		GGG		39	30

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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123	45678				
10842W	3858N	5470-16363	00000/0000	1-10052/0196	08/01/76	90	0498	48.7	108.9	GGGG					
10842W	3853N	5719-16145	00000/0000	1-10058/0033	04/07/77	10	3970	38.2	115.9	GGF				38	33
10842W	3435N	5790-16034	00000/0000	1-10059/0641	06/17/77	10	4960	47.1	91.9	GGG				38	33
10843W	4310N	5792-16123	00000/0000	1-10059/0676	06/19/77	10	4988	47.6	102.7	GGG				37	36
10843W	4306N	5810-16104	00000/0000	1-10060/0424	07/07/77	10	5239	46.2	102.4	GGG				39	30
10846W	3854N	5791-16081	00000/0000	1-10060/0019	06/18/77	0	4974	47.8	97.2	GGG				39	30
10846W	3853N	5773-16095	00000/0000	1-10059/0303	05/31/77	0	4723	47.7	100.0	GGG				38	33
10846W	2852N	5522-16234	00000/0000	1-10053/0585	09/22/76	40	1223	41.9	119.0	GGGG				38	33
10847W	2847N	5681-16094	00000/0000	1-10056/0168	02/28/77	0	3440	30.0	119.8	GGFG				36	40
10849W	3355N	5487-16305	00000/0000	1-10052/0604	08/18/76	30	0735	46.6	108.7	GGGG				36	40
10850W	2852N	5504-16251	00000/0000	1-10053/0215	09/04/76	80	0972	44.7	110.5	GGGG				37	36
10856W	4603N	5508-16425	00000/0000	1-10053/0279	09/08/76	10	1028	38.1	129.7	GGFF				37	36
10856W	4600N	5526-16412	00000/0000	1-10054/0008	09/26/76	90	1279	32.8	135.3	GGGG				40	28
10857W	4556N	5544-16395	00000/0000	1-10054/0340	10/14/76	20	1530	27.2	139.9	GGGG				40	28
10858W	4601N	5490-16442	00000/0000	1-10052/0666	08/21/76	0	0777	42.0	123.9	GGGG				40	28
10858W	3309N	5664-16154	00000/0000	1-10055/0087	02/11/77	10	3203	24.0	127.2	GGGG				40	28
10900W	4603N	5721-16240	00000/0000	1-10057/0031	04/09/77	0	3998	36.7	122.2	GGG				37	37
10900W	3311N	5523-16281	00000/0000	1-10053/0614	09/23/76	10	1237	39.7	123.5	GGGG				40	28
10900W	3307N	5682-16141	00000/0000	1-10056/0141	03/01/77	10	3454	28.7	122.2	GGG				37	37
10902W	4602N	5757-16204	00000/0000	1-10058/0200	05/15/77	100	4500	45.7	113.1	GGG				37	37
10902W	3312N	5754-16073	00000/0000	1-10058/0289	05/12/77	20	4458	46.2	98.2	GGG				40	28
10902W	3309N	5541-16264	00000/0000	1-10054/0283	10/11/76	0	1488	35.3	130.3	GGGG				37	37
10903W	4558N	5811-16153	00000/0000	1-10060/0344	07/08/77	10	5253	45.9	106.2	GGG				40	28
10903W	3312N	5469-16323	00000/0000	1-10052/0186	07/31/76	10	0484	49.3	101.0	GGGG				37	37
10903W	3312N	5505-16293	00000/0000	1-10053/0227	09/05/76	90	0986	43.6	115.6	GFGG				37	37
10904W	4600N	5793-16172	00000/0000	1-10059/0647	06/20/77	70	5002	47.6	106.4	GGG				40	28
10906W	3311N	5772-16055	00000/0000	1-10059/0143	05/30/77	0	4709	47.3	93.1	GGG				37	37
10907W	4146N	5525-16365	00000/0000	1-10054/0024	09/25/76	30	1265	35.3	131.6	GGGG				39	31
10907W	4143N	5543-16353	00000/0000	1-10054/0364	10/13/76	10	1516	30.0	136.9	GGGG				39	31
10907W	3726N	5665-16200	00000/0000	1-10055/0058	02/12/77	10	3217	22.3	129.2	GGGG				38	34
10908W	4149N	5471-16412	00000/0000	1-10052/0208	08/02/76	90	0512	48.1	112.9	PFGG				39	31
10908W	3729N	5506-16340	00000/0000	1-10053/0259	09/06/76	80	1000	42.1	120.5	GGGG				38	34
10908W	3310N	5790-16041	00000/0000	1-10059/0642	06/17/77	0	4960	46.8	90.2	GGG				37	37
10909W	4147N	5489-16395	00000/0000	1-10052/0641	08/20/76	0	0763	44.5	118.7	GGGG				39	31
10909W	3728N	5488-16353	00000/0000	1-10052/0598	08/19/76	30	0749	45.8	113.3	GGGG				38	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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 FROM 07/23/76 TO 07/23/77

PAGE 0213

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10910W	4148N	5720-16194	00000/0000	1-10057/0020	04/08/77	20	3984	37.7	118.4	GGG			39	31
10910W	3733N	5470-16370	00000/0000	1-10052/0197	08/01/76	80	0498	48.9	107.0	GGGG			38	34
10910W	3727N	5719-16152	00000/0000	1-10058/0034	04/07/77	10	3970	38.6	114.6	GGG			38	34
10911W	4847N	5545-16444	00000/0000	1-10054/0384	10/15/76	30	1544	25.1	142.0	GGGG			41	26
10912W	4854N	5491-16491	00000/0000	1-10053/0001	08/22/76	0	0791	41.5	127.4	FGGG			41	26
10912W	4850N	5509-16474	00000/0000	1-10053/0291	09/09/76	0	1042	36.4	132.7	GGGG			41	26
10912W	4143N	5774-16144	00000/0000	1-10059/0198	06/01/77	10	4737	47.8	103.5	FGG			39	31
10913W	4850N	5527-16461	00000/0000	1-10054/0031	09/27/76	0	1293	30.9	137.8	GGGG			41	26
10913W	4144N	5792-16125	00000/0000	1-10059/0677	06/19/77	0	4988	47.6	100.8	GGG			39	31
10914W	4854N	5473-16504	00000/0000	1-10052/0272	08/04/76	80	0540	45.8	122.6	GGGG			41	26
10914W	4141N	5810-16110	00000/0000	1-10060/0425	07/07/77	10	5239	46.1	100.6	GGG			39	31
10914W	3727N	5773-16102	00000/0000	1-10059/0304	05/31/77	0	4723	47.7	98.2	GGG			38	34
10914W	3727N	5791-16083	00000/0000	1-10060/0020	06/18/77	0	4974	47.4	95.4	GGG			38	34
10914W	3228N	5487-16312	00000/0000	1-10052/0605	08/18/76	10	0735	46.8	107.0	GGGG			37	37
10918W	4848N	5812-16201	00000/0000	1-10060/0356	07/09/77	10	5267	45.8	109.9	FFG			41	26
10919W	4849N	5776-16235	00000/0000	1-10059/0347	06/03/77	80	4765	47.2	112.6	GGG			41	26
10923W	3146N	5523-16283	00000/0000	1-10053/0615	09/23/76	10	1237	40.3	122.2	GGGG			37	38
10923W	3143N	5664-16161	00000/0000	1-10055/0088	02/11/77	0	3203	24.7	126.5	GGGF			37	38
10925W	3141N	5682-16143	00000/0000	1-10056/0142	03/01/77	50	3454	29.2	121.3	GGGG			37	38
10926W	3143N	5541-16270	00000/0000	1-10054/0284	10/11/76	0	1488	36.0	129.2	GGGG			37	38
10927W	3146N	5754-16080	00000/0000	1-10058/0290	05/12/77	10	4458	46.1	96.5	GGG			37	38
10928W	3147N	5469-16330	00000/0000	1-10052/0187	07/31/76	20	0484	49.3	99.2	GGGG			37	38
10928W	3147N	5505-16300	00000/0000	1-10053/0228	09/05/76	80	0986	43.9	114.1	FGGG			37	38
10929W	4435N	5526-16414	00000/0000	1-10054/0009	09/26/76	70	1279	33.6	134.2	GGGG			40	29
10930W	4437N	5508-16431	00000/0000	1-10053/0280	09/08/76	20	1028	38.7	128.4	GGGG			40	29
10930W	4431N	5544-16402	00000/0000	1-10054/0341	10/14/76	10	1530	28.1	139.0	FGGG			40	29
10931W	4435N	5490-16444	00000/0000	1-10052/0667	08/21/76	0	0777	43.4	122.3	GGGG			40	29
10931W	3144N	5772-16062	00000/0000	1-10059/0144	05/30/77	0	4709	47.3	91.3	GGG			37	38
10932W	3603N	5683-16185	00000/0000	1-10056/0169	03/02/77	20	3468	27.9	123.8	GGGG			38	35
10933W	4438N	5721-16243	00000/0000	1-10057/0032	04/09/77	0	3998	37.2	120.8	GGG			40	29
10933W	3143N	5790-16043	00000/0000	1-10059/0643	06/17/77	0	4960	46.6	88.5	GGG			37	38
10934W	3600N	5665-16203	00000/0000	1-10055/0059	02/12/77	0	3217	22.9	128.5	GGG			38	35
10935W	4437N	5757-16211	00000/0000	1-10058/0201	05/15/77	80	4500	45.9	111.3	GGG			40	29
10935W	3601N	5542-16313	00000/0000	1-10054/0302	10/12/76	0	1502	33.5	132.7	GGG			38	35
10936W	4434N	5811-16155	00000/0000	1-10060/0345	07/08/77	10	5253	46.8	104.4	GGG			40	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PAGE 0214

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
10936W	3604N	5506-16342	00000/0000	1-10053/0260	09/06/76	60	1000	42.5	119.1	GGGG			38	35
10936W	3601N	5719-16154	00000/0000	1-10058/0035	04/07/77	0	3970	38.9	113.2	GGG			38	35
10937W	4435N	5793-16174	00000/0000	1-10059/0648	06/20/77	10	5002	47.8	104.5	GGG			40	29
10937W	4021N	5525-16372	00000/0000	1-10054/0025	09/25/76	40	1265	36.0	130.4	GGGG			39	32
10937W	4017N	5543-16355	00000/0000	1-10054/0365	10/13/76	0	1816	30.0	136.0	GGGG			39	32
10937W	3607N	5470-16372	00000/0000	1-10052/0198	08/01/76	70	0498	49.0	105.1	GGGF			38	35
10937W	3603N	5488-16355	00000/0000	1-10052/0599	08/19/76	30	0749	46.1	111.6	GGGG			38	35
10938W	3102N	5487-16314	00000/0000	1-10052/0606	08/18/76	10	0735	46.9	105.2	GGGG			37	38
10939W	4023N	5471-16415	00000/0000	1-10052/0209	08/02/76	50	0512	48.4	111.1	FFGG			39	32
10939W	4021N	5489-16402	00000/0000	1-10052/0642	08/20/76	10	0763	44.9	117.0	GGGG			39	32
10940W	4023N	5720-16200	00000/0000	1-10057/0021	04/08/77	0	3984	38.1	117.0	GGG			39	32
10941W	3602N	5773-16104	00000/0000	1-10059/0305	05/31/77	0	4723	47.6	96.3	GGG			38	35
10942W	4018N	5774-16151	00000/0000	1-10059/0199	06/01/77	10	4737	47.8	101.6	GGG			39	32
10942W	3602N	5791-16090	00000/0000	1-10060/0021	06/18/77	10	4974	47.3	93.6	GGG			38	35
10943W	4019N	5792-16132	00000/0000	1-10060/0678	06/19/77	0	4988	47.6	98.9	GGF			39	32
10944W	4016N	5810-16113	00000/0000	1-10060/0426	07/07/77	10	5239	46.1	98.9	GGG			39	32
10948W	4729N	5491-16493	00000/0000	1-10053/0002	08/22/76	0	0791	42.1	125.8	FFGG			41	27
10948W	4722N	5545-16450	00000/0000	1-10054/0385	10/15/76	40	1544	26.0	141.1	GGGG			41	27
10948W	3020N	5523-16290	00000/0000	1-10053/0616	09/23/76	90	1237	40.8	120.8	GGGG			37	39
10948W	3017N	5664-16163	00000/0000	1-10055/0089	02/11/77	0	3203	25.3	125.7	GGFF			37	39
10949W	4725N	5509-16480	00000/0000	1-10053/0292	09/09/76	0	1042	37.1	131.3	GGGG			41	27
10950W	4725N	5527-16463	00000/0000	1-10054/0032	09/27/76	10	1293	31.7	136.7	GGGG			41	27
10950W	3018N	5541-16273	00000/0000	1-10054/0285	10/11/76	0	1488	36.7	128.1	GGGG			37	39
10950W	3015N	5682-16150	00000/0000	1-10056/0143	03/01/77	60	3454	29.7	120.4	GGGG			37	39
10951W	4729N	5473-16510	00000/0000	1-10052/0273	08/04/76	70	0540	46.3	120.8	GGGG			41	27
10951W	3021N	5754-16082	00000/0000	1-10058/0291	05/12/77	10	4458	46.0	94.9	GGG			37	39
10951W	3018N	5505-16302	00000/0000	1-10053/0229	09/05/76	70	0986	44.3	112.6	FFGG			37	39
10952W	3023N	5469-16332	00000/0000	1-10052/0188	07/31/76	70	0484	49.2	97.3	GGGG			37	39
10954W	4724N	5812-16204	00000/0000	1-10060/0357	07/09/77	20	5267	45.7	108.1	GGG			41	27
10955W	4724N	5776-16242	00000/0000	1-10059/0348	06/03/77	50	4765	47.4	110.7	GGG			41	27
10956W	3018N	5772-16064	00000/0000	1-10059/0145	05/30/77	10	4709	46.8	89.6	GGG			37	39
10958W	3015N	5790-16050	00000/0000	1-10059/0644	06/17/77	0	4960	46.2	86.8	GGG			37	39
10959W	3436N	5683-16192	00000/0000	1-10056/0170	03/02/77	0	3468	28.4	122.9	GGGG			38	36
10959W	3435N	5665-16205	00000/0000	1-10055/0060	02/12/77	0	3217	23.6	127.7	FFGG			38	36
11000W	4310N	5526-16421	00000/0000	1-10054/0010	09/26/76	50	1279	34.3	133.0	GGGG			40	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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PAGE 0215

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
11002W 4312N	5508-16434	00000/0000	1-10053/0281	09/08/76	10	1028	39.4	127.0	GGGG			40	30
11002W 4306N	5544-16404	00000/0000	1-10054/0342	10/14/76	0	1530	28.9	138.1	GFGG			40	30
11002W 3440N	5737-16143	00000/0000	1-10058/0040	04/25/77	10	4221	43.5	105.8	GGG			38	36
11002W 3435N	5542-16315	00000/0000	1-10054/0303	10/12/76	0	1502	34.9	131.6	GGG			38	36
11003W 3439N	5506-16345	00000/0000	1-10053/0261	09/06/76	30	1000	43.6	117.6	GGGG			38	36
11003W 3437N	5488-16362	00000/0000	1-10052/0600	08/19/76	20	0749	46.8	109.9	GGGG			38	36
11003W 3435N	5719-16161	00000/0000	1-10058/0036	04/07/77	0	3970	39.2	111.9	GGG			38	36
11004W 4316N	5739-16231	00000/0000	1-10058/0050	04/27/77	10	4249	42.7	114.7	GGG			40	30
11004W 4310N	5490-16451	00000/0000	1-10052/0668	08/21/76	10	0777	43.8	120.7	GGGG			40	30
11004W 3441N	5470-16375	00000/0000	1-10052/0199	08/01/76	50	0498	49.1	103.3	GGGG			38	36
11005W 4312N	5721-16245	00000/0000	1-10057/0033	04/09/77	0	3998	37.6	119.4	GGG			40	30
11005W 3850N	5666-16252	00000/0000	1-10055/0119	02/13/77	10	3231	21.8	129.7	GGGG			39	33
11006W 4312N	5757-16213	00000/0000	1-10058/0202	05/15/77	40	4500	46.1	109.6	GGG			40	30
11006W 3855N	5525-16374	00000/0000	1-10054/0026	09/25/76	50	1265	36.7	129.2	GGGG			39	33
11006W 3852N	5543-16362	00000/0000	1-10054/0366	10/13/76	0	1516	31.9	135.0	GGGG			39	33
11007W 3858N	5471-16421	00000/0000	1-10052/0210	08/02/76	10	0512	48.6	109.2	GGGG			39	33
11008W 4309N	5811-16162	00000/0000	1-10060/0346	07/08/77	10	5253	46.0	102.6	GGG			40	30
11008W 3857N	5720-16203	00000/0000	1-10057/0022	04/08/77	0	3984	38.5	115.7	GGG			39	33
11008W 3856N	5489-16404	00000/0000	1-10052/0643	08/20/76	10	0763	45.2	115.4	GGGG			39	33
11008W 3436N	5773-16111	00000/0000	1-10059/0306	05/31/77	10	4723	47.5	94.6	GGG			38	36
11009W 4310N	5793-16181	00000/0000	1-10059/0649	06/20/77	80	5002	47.6	102.6	GGG			40	30
11009W 3439N	5791-16092	00000/0000	1-10060/0022	06/18/77	10	4974	47.0	91.9	GGG			38	36
11011W 3853N	5792-16134	00000/0000	1-10059/0679	06/19/77	0	4988	47.5	97.1	GGG			39	33
11011W 3852N	5774-16153	00000/0000	1-10059/0200	06/01/77	10	4737	47.8	99.8	GGG			39	33
11012W 3850N	5810-16115	00000/0000	1-10060/0427	07/07/77	0	5239	46.0	97.1	GGG			39	33
11022W 4557N	5545-16453	00000/0000	1-10054/0386	10/15/76	50	1544	26.8	140.2	GGGG			41	28
11023W 4604N	5491-16500	00000/0000	1-10053/0003	08/22/76	10	0791	42.6	124.2	FGGG			41	28
11023W 4600N	5509-16483	00000/0000	1-10053/0293	09/09/76	0	1042	37.8	130.0	GGGG			41	28
11024W 4600N	5527-16470	00000/0000	1-10054/0033	09/27/76	20	1293	32.5	135.6	GGGG			41	28
11025W 4604N	5473-16513	00000/0000	1-10052/0274	08/04/76	30	0540	46.3	119.0	GGGG			41	28
11025W 3310N	5665-16212	00000/0000	1-10055/0061	02/12/77	0	3217	24.3	127.0	GGGG			38	37
11025W 3309N	5683-16194	00000/0000	1-10056/0171	03/02/77	0	3468	29.0	122.0	GGGG			38	37
11026W 3310N	5488-16364	00000/0000	1-10052/0601	08/19/76	20	0749	46.6	108.2	GGGG			38	37
11028W 3314N	5470-16381	00000/0000	1-10052/0200	08/01/76	10	0498	49.2	101.4	GGGG			38	37
11028W 3314N	5506-16351	00000/0000	1-10053/0262	09/06/76	40	1000	43.4	116.1	FGGG			38	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0216

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS						123	45678				
11028W	3314N	5737-16145	00000/0000	1-10058/0041	04/25/77	10	4221	43.7	104.2		GGG		38	37
11028W	3310N	5542-16322	00000/0000	1-10054/0304	10/12/76	10	1502	35.0	130.6		GGGG		38	37
11028W	3309N	5719-16163	00000/0000	1-10058/0037	04/07/77	0	3970	39.5	110.5		GGG		38	37
11029W	4559N	5776-16244	00000/0000	1-10059/0349	06/03/77	50	4765	47.6	108.7		GGG		41	28
11029W	4559N	5812-16210	00000/0000	1-10060/0358	07/09/77	10	5267	45.8	106.2		GGG		41	28
11032W	4144N	5526-16423	00000/0000	1-10054/0011	09/26/76	50	1279	35.1	131.9		GGGG		40	31
11032W	3725N	5666-16254	00000/0000	1-10055/0120	02/13/77	0	3231	22.5	129.0		GGGG		39	34
11033W	4146N	5508-16440	00000/0000	1-10053/0282	09/08/76	10	1028	40.0	125.6		GGGG		40	31
11034W	4141N	5544-16411	00000/0000	1-10054/0343	10/14/76	0	1530	29.8	137.1		GFGG		40	31
11034W	3729N	5525-16381	00000/0000	1-10054/0027	09/25/76	60	1265	37.4	128.0		GGGG		39	34
11034W	3727N	5543-16364	00000/0000	1-10054/0367	10/13/76	0	1516	32.5	134.0		GGGG		39	34
11034W	3310N	5773-16113	00000/0000	1-10059/0307	05/31/77	10	4723	47.3	92.8		GGG		38	37
11035W	4150N	5739-16234	00000/0000	1-10058/0051	04/27/77	20	4249	43.0	113.1		GGG		40	31
11035W	4145N	5490-16453	00000/0000	1-10052/0669	08/21/76	20	0777	44.3	119.0		GGGG		40	31
11035W	3732N	5471-16424	00000/0000	1-10052/0211	02/02/76	10	0512	48.8	107.3		GGGG		39	34
11035W	3729N	5720-16205	00000/0000	1-10057/0023	04/08/77	0	3984	38.9	114.3		GGG		39	34
11035W	3314N	5791-16095	00000/0000	1-10060/0023	06/18/77	10	4974	46.8	90.1		GGG		38	37
11036W	4147N	5721-16252	00000/0000	1-10057/0034	04/09/77	0	3998	38.1	118.1		GGG		40	31
11037W	4849N	5546-16502	00000/0000	1-10054/0412	10/16/76	40	1558	24.7	142.2		FFGG		42	26
11037W	4146N	5757-16220	00000/0000	1-10058/0203	05/15/77	10	4500	46.8	107.8		GGG		40	31
11037W	3731N	5489-16411	00000/0000	1-10052/0644	08/20/76	10	0763	45.6	113.7		GGGG		39	34
11038W	4144N	5775-16202	00000/0000	1-10059/0373	06/02/77	10	4751	47.8	103.3		G G		40	31
11038W	4144N	5811-16164	00000/0000	1-10060/0347	07/08/77	10	5253	46.0	100.8		GGG		40	31
11039W	4851N	5528-16515	00000/0000	1-10054/0044	09/28/76	0	1307	30.5	138.1		GGGG		42	26
11039W	4849N	5510-16532	00000/0000	1-10053/0320	09/10/76	0	1056	36.1	133.0		FFGG		42	26
11039W	4144N	5793-16183	00000/0000	1-10059/0650	06/20/77	40	5002	47.6	100.7		GGG		40	31
11039W	3728N	5792-16141	00000/0000	1-10059/0680	06/19/77	0	4988	47.4	95.3		GGG		39	34
11039W	3727N	5774-16160	00000/0000	1-10059/0201	06/01/77	10	4737	47.7	98.0		GGG		39	34
11040W	3724N	5810-16122	00000/0000	1-10060/0428	07/07/77	0	5239	45.8	95.4		GGG		39	34
11044W	4851N	5777-16293	00000/0000	1-10059/0360	06/04/77	10	4779	47.2	112.5		GGG		42	26
11046W	4846N	5795-16274	00000/0000	1-10060/0026	06/22/77	10	5030	47.1	110.0		GGG		42	26
11047W	4846N	5813-16255	00000/0000	1-10060/0510	07/10/77	90	5281	45.4	109.9		GFQ		42	26
11049W	3144N	5665-16214	00000/0000	1-10055/0062	02/12/77	0	3217	24.0	126.2		GGGG		38	38
11050W	3144N	5488-16371	00000/0000	1-10052/0602	08/19/76	10	0749	46.7	106.5		GGGG		38	38
11050W	3142N	5683-16201	00000/0000	1-10056/0172	03/02/77	0	3468	29.5	121.0		GGGG		38	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0217

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
11051W	3147N	5524-16341	00000/0000	1-10054/0004	09/24/76	90	1251	40.1	122.6	GGGG			38	38
11052W	3147N	5506-16354	00000/0000	1-10053/0263	09/06/76	50	1000	43.7	114.6	GGGG			38	38
11053W	3148N	5470-16384	00000/0000	1-10052/0201	08/01/76	10	0498	49.2	99.5	GGGG			38	38
11053W	3144N	5542-16324	00000/0000	1-10054/0305	10/12/76	10	1502	35.8	129.5	GGGG			38	38
11053W	3143N	5719-16170	00000/0000	1-10058/0038	04/07/77	0	3970	39.7	109.2	GGG			38	38
11055W	4432N	5545-16455	00000/0000	1-10054/0387	10/15/76	10	1544	27.7	139.3	GGGG			41	29
11056W	4435N	5527-16472	00000/0000	1-10054/0034	09/27/76	10	1293	33.3	134.5	GGGG			41	29
11057W	4438N	5491-16502	00000/0000	1-10053/0004	08/22/76	10	0791	43.1	122.6	FGGG			41	29
11057W	4435N	5509-16485	00000/0000	1-10053/0294	09/09/76	0	1042	38.5	128.7	FGGG			41	29
11058W	4439N	5740-16283	00000/0000	1-10058/0057	04/28/77	30	4263	42.6	116.0	GGG			41	29
11058W	4438N	5473-16515	00000/0000	1-10052/0275	08/04/76	30	0540	47.4	117.2	GGGG			41	29
11059W	3600N	5666-16261	00000/0000	1-10055/0121	02/13/77	0	3231	23.2	128.2	FFGF			39	35
11059W	3147N	5791-16101	00000/0000	1-10060/0024	06/18/77	10	4974	46.5	88.5	GGG			38	38
11059W	3144N	5773-16120	00000/0000	1-10059/0308	05/31/77	10	4723	47.8	91.1	GGG			38	38
11100W	4436N	5722-16301	00000/0000	1-10057/0053	04/10/77	90	4012	37.5	120.5	GGG			41	29
11100W	3601N	5543-16371	00000/0000	1-10054/0368	10/13/76	10	1516	33.3	133.0	GGGG			39	35
11101W	3604N	5525-16383	00000/0000	1-10054/0028	09/25/76	90	1265	38.0	126.8	GGGG			39	35
11102W	4434N	5812-16213	00000/0000	1-10060/0359	07/09/77	10	5267	45.9	104.4	GGG			41	29
11102W	4021N	5508-16443	00000/0000	1-10053/0283	09/08/76	10	1028	40.5	124.2	GGGG			40	32
11102W	3606N	5471-16430	00000/0000	1-10052/0212	08/02/76	10	0512	48.9	105.5	GGGG			39	35
11102W	3602N	5720-16212	00000/0000	1-10057/0024	04/08/77	0	3984	39.2	113.0	GGG			39	35
11103W	4435N	5794-16232	00000/0000	1-10060/0142	06/21/77	80	5016	47.5	104.4	GGG			41	29
11103W	4434N	5776-16251	00000/0000	1-10059/0350	06/03/77	60	4765	47.7	106.8	GGG			41	29
11103W	4018N	5526-16430	00000/0000	1-10054/0012	09/26/76	20	1279	35.8	130.7	GGGG			40	32
11104W	4015N	5544-16413	00000/0000	1-10054/0344	10/14/76	0	1530	30.6	136.2	FGGG			40	32
11104W	3606N	5489-16413	00000/0000	1-10052/0645	08/20/76	10	0763	45.8	112.0	GGGG			39	35
11105W	4024N	5739-16240	00000/0000	1-10058/0052	04/27/77	40	4249	43.2	111.5	GGG			40	32
11105W	4020N	5490-16460	00000/0000	1-10052/0670	08/21/76	20	0777	44.7	117.4	GGGG			40	32
11106W	4022N	5721-16254	00000/0000	1-10057/0035	04/09/77	0	3998	38.5	116.7	GGG			40	32
11106W	4020N	5757-16222	00000/0000	1-10058/0204	05/15/77	40	4500	46.4	106.0	GGG			40	32
11106W	3601N	5774-16162	00000/0000	1-10059/0202	06/01/77	10	4737	47.6	96.2	GGG			39	35
11107W	3602N	5792-16143	00000/0000	1-10059/0681	06/19/77	10	4988	47.2	93.5	GGG			39	35
11107W	3558N	5810-16124	00000/0000	1-10060/0429	07/07/77	0	5239	45.7	93.7	GGG			39	35
11108W	4019N	5811-16171	00000/0000	1-10060/0348	07/08/77	40	5253	45.9	99.0	GGG			40	32
11108W	4018N	5775-16204	00000/0000	1-10059/0374	06/02/77	10	4751	47.8	101.4	FGG			40	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS	MSS	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS	DATA MODE		
11109W	4019N	5793-16190	00000/0000	1-10059/0651	06/20/77	10	5002	47.8	98.9	GGG			40	32
11113W	4724N	5546-16504	00000/0000	1-10054/0413	10/16/76	40	1558	25.7	141.3	GGGG			42	27
11114W	3018N	5665-16221	00000/0000	1-10055/0063	02/12/77	0	3217	25.5	125.4	FGGG			38	39
11114W	3016N	5683-16203	00000/0000	1-10056/0173	03/02/77	0	3468	30.0	120.1	FGGG			38	39
11115W	4726N	5528-16521	00000/0000	1-10054/0045	09/28/76	0	1307	31.4	137.0	GGGG			42	27
11115W	3021N	5524-16343	00000/0000	1-10054/0005	09/24/76	90	1251	40.6	121.3	GGGG			38	39
11115W	3017N	5488-16373	00000/0000	1-10052/0603	08/19/76	10	0749	46.0	104.8	GGGG			38	39
11116W	4726N	5510-16534	00000/0000	1-10053/0321	09/10/76	0	1056	36.8	131.7	FGGG			42	27
11116W	3020N	5506-16360	00000/0000	1-10053/0264	09/06/76	80	1000	44.1	113.1	GGGG			38	39
11117W	3022N	5470-16390	00000/0000	1-10052/0202	08/01/76	0	0498	49.1	97.7	GGGG			38	39
11117W	3018N	5542-16331	00000/0000	1-10054/0306	10/12/76	10	1502	36.5	128.4	GGGG			38	39
11118W	3018N	5719-16172	00000/0000	1-10058/0039	04/07/77	0	3970	39.9	107.8	GGG			38	39
11120W	4726N	5777-16300	00000/0000	1-10059/0361	06/04/77	10	4779	47.4	110.5	GGG			42	27
11122W	4721N	5795-16281	00000/0000	1-10060/0027	06/22/77	10	5030	47.3	108.1	GGG			42	27
11122W	4721N	5813-16262	00000/0000	1-10060/0511	07/10/77	90	5281	45.5	108.1	GGG			42	27
11123W	3019N	5791-16104	00000/0000	1-10060/0025	06/18/77	10	4974	46.2	86.8	GGG			38	39
11124W	3018N	5773-16122	00000/0000	1-10059/0309	05/31/77	0	4723	46.8	89.4	GGG			38	39
11125W	3434N	5666-16263	00000/0000	1-10055/0122	02/13/77	0	3231	23.8	127.5	FGGG			39	36
11127W	4307N	5545-16462	00000/0000	1-10054/0388	10/15/76	0	1544	28.6	138.3	GGGG			41	30
11127W	3441N	5471-16433	00000/0000	1-10052/0213	08/02/76	10	0512	49.0	103.6	GGGF			39	36
11127W	3439N	5525-16390	00000/0000	1-10054/0029	09/25/76	60	1265	38.7	125.6	GGGG			39	36
11127W	3435N	5543-16373	00000/0000	1-10054/0369	10/13/76	30	1516	34.0	132.0	GGGG			39	36
11128W	4310N	5527-16475	00000/0000	1-10054/0035	09/27/76	30	1293	34.0	133.3	GGGG			41	30
11128W	3436N	5720-16214	00000/0000	1-10057/0025	04/08/77	0	3984	39.5	111.6	GGG			39	36
11129W	4313N	5491-16505	00000/0000	1-10053/0005	08/22/76	0	0791	43.6	121.0	GGGG			41	30
11129W	4310N	5509-16492	00000/0000	1-10053/0295	09/09/76	0	1042	39.1	127.3	GGGG			41	30
11129W	3438N	5738-16201	00000/0000	1-10058/0048	04/26/77	20	4235	43.8	105.4	GGG			39	36
11130W	4314N	5740-16285	00000/0000	1-10058/0058	04/28/77	50	4263	42.9	114.4	GGG			41	30
11130W	3851N	5667-16310	00000/0000	1-10055/0165	02/14/77	10	3245	22.1	129.5	GGGG			40	33
11130W	3440N	5489-16420	00000/0000	1-10052/0646	08/20/76	10	0763	46.2	110.3	GGGG			39	36
11131W	4313N	5473-16522	00000/0000	1-10052/0276	08/04/76	10	0540	47.4	115.3	GGGG			41	30
11131W	3855N	5508-16445	00000/0000	1-10053/0284	09/08/76	10	1028	41.1	122.8	GGGG			40	33
11132W	4311N	5722-16303	00000/0000	1-10057/0054	04/10/77	20	4012	38.0	119.2	GGG			41	30
11132W	3435N	5774-16165	00000/0000	1-10059/0203	06/01/77	10	4737	47.5	94.4	GGG			39	36
11133W	3859N	5739-16243	00000/0000	1-10058/0053	04/27/77	40	4249	43.5	109.9	GGG			40	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0219

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
11133W	3855N	5721-16261	00000/0000	1-10057/0036	04/09/77	0	3998	38.8	115.4	GGG			40	33
11133W	3851N	5526-16432	00000/0000	1-10054/0013	09/26/76	60	1279	36.5	129.5	GGGG			40	33
11133W	3849N	5544-16420	00000/0000	1-10054/0345	10/14/76	0	1530	31.4	135.2	GGGG			40	33
11133W	3433N	5810-16131	00000/0000	1-10060/0430	07/07/77	10	5239	45.5	92.0	GGG			39	36
11134W	5010N	5814-16311	00000/0000	1-10060/0661	07/11/77	50	5295	45.1	111.8	GGG			43	25
11134W	4310N	5794-16234	00000/0000	1-10060/0143	06/21/77	20	5016	47.5	102.5	GGG			41	30
11134W	4309N	5812-16215	00000/0000	1-10060/0360	07/09/77	10	5267	45.8	102.6	GGG			41	30
11134W	3855N	5490-16462	00000/0000	1-10052/0671	08/21/76	20	0777	45.4	115.8	GGGG			40	33
11134W	3437N	5792-16150	00000/0000	1-10059/0682	06/19/77	10	4988	47.8	91.8	GGG			39	36
11135W	4308N	5776-16253	00000/0000	1-10059/0351	06/03/77	20	4765	47.8	104.9	GGG			41	30
11135W	3854N	5757-16225	00000/0000	1-10058/0205	05/15/77	70	4800	46.8	104.2	GGG			40	33
11137W	3853N	5775-16211	00000/0000	1-10059/0375	06/02/77	10	4751	47.8	99.6	GGG			40	33
11137W	3853N	5811-16173	00000/0000	1-10060/0349	07/08/77	20	5253	45.8	97.3	GGG			40	33
11139W	3853N	5793-16192	00000/0000	1-10059/0652	06/20/77	10	5002	47.4	97.0	GGG			40	33
11149W	4559N	5546-16511	00000/0000	1-10054/0414	10/16/76	50	1558	26.5	140.4	FGGG			42	28
11150W	4603N	5510-16541	00000/0000	1-10053/0322	09/10/76	0	1056	37.5	130.3	GGGG			42	28
11150W	4600N	5528-16524	00000/0000	1-10054/0046	09/28/76	0	1307	32.2	135.9	GGGG			42	28
11151W	3309N	5666-16270	00000/0000	1-10055/0123	02/13/77	0	3231	24.5	126.7	FFGG			39	37
11152W	3314N	5525-16392	00000/0000	1-10054/0030	09/25/76	30	1265	39.3	124.3	GGGG			39	37
11153W	3315N	5471-16435	00000/0000	1-10052/0214	08/02/76	10	0512	49.8	101.7	GGGG			39	37
11153W	3310N	5543-16380	00000/0000	1-10054/0370	10/13/76	40	1516	34.8	130.9	GGGG			39	37
11154W	3312N	5738-16203	00000/0000	1-10058/0049	04/26/77	10	4235	43.8	103.8	GGG			39	37
11154W	3310N	5720-16221	00000/0000	1-10051/0026	04/08/77	0	3984	39.7	110.2	FGG			39	37
11155W	4601N	5777-16302	00000/0000	1-10059/0362	06/04/77	10	4779	47.6	108.6	GGG			42	28
11155W	3313N	5489-16422	00000/0000	1-10052/0647	08/20/76	10	0763	46.4	108.6	GGGG			39	37
11156W	4556N	5813-16264	00000/0000	1-10060/0512	07/10/77	60	5281	45.7	106.2	GGG			42	28
11157W	4556N	5795-16283	00000/0000	1-10060/0028	06/22/77	10	5030	47.4	106.1	FGG			42	28
11157W	4142N	5545-16464	00000/0000	1-10054/0389	10/15/76	10	1544	29.5	137.4	GGGG			41	31
11158W	4144N	5527-16481	00000/0000	1-10054/0036	09/27/76	10	1293	34.8	132.2	GGGG			41	31
11158W	3726N	5667-16312	00000/0000	1-10055/0166	02/14/77	10	3245	22.8	128.7	GGFG			40	34
11158W	3310N	5774-16171	00000/0000	1-10059/0204	06/01/77	10	4737	47.3	92.6	GGG			39	37
11159W	4144N	5509-16494	00000/0000	1-10053/0296	09/09/76	0	1042	39.8	125.9	GGGG			41	31
11159W	3311N	5792-16152	00000/0000	1-10059/0683	06/19/77	10	4988	46.7	90.1	GGG			39	37
11159W	3308N	5810-16133	00000/0000	1-10060/0431	07/07/77	10	5239	45.2	90.4	GGG			39	37
11200W	4148N	5491-16511	00000/0000	1-10053/0006	08/22/76	40	0791	44.1	119.4	FGFF			41	31

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 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
11200W 3730N	5508-16452	00000/0000	1-10053/0285	09/08/76	10	1028	41.6	121.4	GGGG			40	34
11201W 4148N	5473-16524	00000/0000	1-10052/0277	08/04/76	10	0540	47.7	113.5	GGGG			41	31
11201W 3733N	5739-16245	00000/0000	1-10058/0054	04/27/77	50	4249	43.8	108.3	GGG			40	34
11201W 3728N	5721-16263	00000/0000	1-10057/0037	04/09/77	0	3998	39.2	114.0	GGG			40	34
11201W 3725N	5526-16435	00000/0000	1-10054/0014	09/26/76	50	1279	37.8	128.4	GGGG			40	34
11201W 3724N	5544-16422	00000/0000	1-10054/0346	10/14/76	0	1530	32.2	134.3	GFGG			40	34
11202W 3729N	5490-16465	00000/0000	1-10052/0672	08/21/76	20	0777	45.4	114.1	GGGG			40	34
11204W 4852N	5511-16585	00000/0000	1-10053/0418	09/11/76	100	1070	35.8	133.3	GGGG			43	26
11204W 4144N	5812-16222	00000/0000	1-10060/0361	07/09/77	10	5267	45.8	100.9	GGG			41	31
11204W 3727N	5757-16231	00000/0000	1-10058/0206	05/15/77	50	4500	46.6	102.4	GGG			40	34
11205W 4852N	5493-17002	00000/0000	1-10052/0736	08/24/76	10	0819	41.0	127.9	GGGG			43	26
11205W 4144N	5794-16241	00000/0000	1-10060/0144	06/21/77	30	5016	47.5	100.6	GGG			41	31
11205W 4143N	5776-16260	00000/0000	1-10059/0352	06/03/77	10	4765	47.8	103.0	GGG			41	31
11205W 3728N	5811-16180	00000/0000	1-10060/0350	07/08/77	10	5253	45.7	95.6	GGG			40	34
11205W 3727N	5775-16213	00000/0000	1-10059/0376	06/02/77	10	4751	47.2	97.7	GGG			40	34
11206W 4846N	5547-16560	00000/0000	1-10054/0424	10/17/76	90	1572	24.5	142.4	GGGG			43	26
11207W 4849N	5529-16573	00000/0000	1-10054/0084	09/29/76	0	1321	30.2	138.3	GGGG			43	26
11207W 3727N	5793-16195	00000/0000	1-10059/0653	06/20/77	10	5002	47.8	95.2	GGG			40	34
11211W 4849N	5778-16351	00000/0000	1-10059/0382	06/05/77	10	4793	47.8	112.3	GGG			43	26
11212W 4846N	5796-16332	00000/0000	1-10060/0099	06/23/77	30	5044	47.8	109.9	GGG			43	26
11212W 4846N	5814-16313	00000/0000	1-10060/0662	07/11/77	20	5295	45.3	110.0	GGG			43	26
11216W 3143N	5666-16272	00000/0000	1-10055/0124	02/13/77	0	3231	25.1	125.9	FGGG			39	38
11218W 3149N	5471-16442	00000/0000	1-10052/0215	08/02/76	0	0512	49.0	99.9	GGGG			39	38
11219W 3145N	5543-16382	00000/0000	1-10054/0371	10/13/76	30	1516	35.5	129.9	GGGG			39	38
11219W 3145N	5720-16223	00000/0000	1-10057/0027	04/08/77	0	3984	40.0	108.8	GGG			39	38
11220W 3146N	5489-16425	00000/0000	1-10052/0648	08/20/76	10	0763	46.6	106.9	FGGG			39	38
11223W 4437N	5510-16543	00000/0000	1-10053/0323	09/10/76	0	1056	38.2	129.0	FGGG			42	29
11223W 4435N	5528-16530	00000/0000	1-10054/0047	09/28/76	0	1307	32.8	134.8	GGGG			42	29
11223W 4434N	5546-16513	00000/0000	1-10054/0415	10/16/76	10	1558	27.4	139.5	GGGG			42	29
11223W 3145N	5792-16155	00000/0000	1-10059/0684	06/19/77	10	4988	46.5	88.4	GGG			39	38
11223W 3144N	5774-16174	00000/0000	1-10059/0205	06/01/77	10	4737	47.1	90.9	GGG			39	38
11224W 3600N	5667-16315	00000/0000	1-10055/0167	02/14/77	0	3245	23.4	128.0	GGGG			40	35
11225W 3143N	5810-16140	00000/0000	1-10060/0432	07/07/77	0	5239	45.6	88.8	GGG			39	38
11227W 4017N	5545-16471	00000/0000	1-10054/0390	10/15/76	10	1544	30.9	136.5	GGGG			41	32
11227W 3604N	5508-16454	00000/0000	1-10053/0286	09/08/76	10	1028	42.1	119.9	FGGG			40	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
11228W 4436N	5777-16305	00000/0000	1-10059/0363	06/04/77	10	4779	47.7	106.7	GGG			42	29
11228W 3607N	5739-16252	00000/0000	1-10058/0055	04/27/77	50	4249	43.8	106.7	GGG			40	35
11228W 3601N	5721-16270	00000/0000	1-10057/0038	04/09/77	0	3998	39.8	112.6	GGF			40	35
11228W 3600N	5526-16441	00000/0000	1-10054/0015	09/26/76	60	1279	37.8	127.1	GGGG			40	35
11228W 3558N	5544-16425	00000/0000	1-10054/0347	10/14/76	0	1530	33.0	133.3	FFGG			40	35
11229W 4431N	5813-16271	00000/0000	1-10060/0513	07/10/77	10	5281	45.7	104.4	GGF			42	29
11229W 4018N	5509-16501	00000/0000	1-10053/0297	09/09/76	0	1042	40.3	124.6	GGGG			41	32
11229W 4018N	5527-16484	00000/0000	1-10054/0037	09/27/76	10	1293	35.8	131.1	GGGG			41	32
11229W 3604N	5490-16471	00000/0000	1-10052/0673	08/21/76	10	0777	45.7	112.4	GGGG			40	35
11230W 4431N	5795-16290	00000/0000	1-10060/0029	06/22/77	10	5030	47.4	104.2	GGG			42	29
11230W 4022N	5491-16514	00000/0000	1-10053/0007	08/22/76	60	0791	44.5	117.8	FGFG			41	32
11231W 4022N	5473-16531	00000/0000	1-10052/0278	08/04/76	10	0540	48.0	111.6	GGGG			41	32
11231W 3602N	5757-16234	00000/0000	1-10058/0207	05/15/77	10	4500	46.6	100.7	GGG			40	35
11232W 3601N	5775-16220	00000/0000	1-10059/0377	06/02/77	10	4751	47.6	95.9	GGG			40	35
11233W 3602N	5811-16182	00000/0000	1-10060/0351	07/08/77	10	5253	45.6	93.9	GGG			40	35
11234W 4018N	5812-16224	00000/0000	1-10060/0362	07/09/77	0	5267	45.8	99.1	GGG			41	32
11234W 3601N	5793-16201	00000/0000	1-10059/0654	06/20/77	10	5002	47.1	93.5	GGG			40	35
11235W 4018N	5794-16243	00000/0000	1-10060/0145	06/21/77	40	5016	47.5	98.8	GGG			41	32
11235W 4017N	5776-16262	00000/0000	1-10059/0353	06/03/77	10	4765	47.8	101.2	GGG			41	32
11240W 3017N	5666-16275	00000/0000	1-10055/0125	02/13/77	0	3231	25.8	125.1	FFFG			39	39
11241W 4727N	5493-17005	00000/0000	1-10052/0737	08/24/76	10	0819	41.5	126.4	GGGG			43	27
11241W 4727N	5511-16592	00000/0000	1-10053/0419	09/11/76	100	1070	36.5	132.0	GGGG			43	27
11242W 4721N	5547-16562	00000/0000	1-10054/0425	10/17/76	90	1572	25.4	141.5	GGFG			43	27
11243W 4724N	5529-16575	00000/0000	1-10054/0085	09/29/76	0	1321	31.1	137.2	GGGG			43	27
11243W 3019N	5543-16385	00000/0000	1-10054/0372	10/13/76	10	1516	36.2	128.8	GGGG			39	39
11243W 3019N	5720-16230	00000/0000	1-10057/0028	04/08/77	0	3984	40.2	107.5	GGG			39	39
11244W 4729N	5724-16403	00000/0000	1-10057/0101	04/12/77	10	4040	37.2	122.9	GGG			43	27
11244W 3022N	5471-16444	00000/0000	1-10052/0216	08/02/76	10	0512	49.0	98.1	GGGG			39	39
11244W 3020N	5489-16431	00000/0000	1-10052/0649	08/20/76	0	0763	46.7	105.2	GGGG			39	39
11247W 4724N	5778-16354	00000/0000	1-10059/0383	06/05/77	0	4793	47.5	110.3	GGG			43	27
11248W 4721N	5814-16320	00000/0000	1-10060/0663	07/11/77	20	5295	45.4	108.1	GGG			43	27
11248W 3019N	5774-16180	00000/0000	1-10059/0206	06/01/77	0	4737	46.8	89.2	FGF			39	39
11248W 3018N	5792-16161	00000/0000	1-10059/0685	06/19/77	0	4988	46.1	86.7	GGG			39	39
11249W 4721N	5796-16335	00000/0000	1-10060/0100	06/23/77	10	5044	47.2	108.0	GGG			43	27
11249W 3016N	5810-16142	00000/0000	1-10060/0433	07/07/77	0	5239	44.7	87.2	GGG			39	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS	MSS	ORBIT	FRAME	
									RBV	MSS	DATA MODE	IMAGE GAIN	PATH NUM.	R/W NUM.
LONG	LAT	RBV	MSS						123	45678				
11250W	3435N	5667-16321	00000/0000	1-10055/0168	02/14/77	0	3245	24.3	127.2	GGGG			40	36
11253W	3438N	5508-16461	00000/0000	1-10053/0287	09/08/76	0	1028	42.5	118.5	GGFG			40	36
11254W	4309N	5528-16533	00000/0000	1-10054/0048	09/28/76	0	1307	33.7	133.7	GGGG			42	30
11254W	4308N	5669-16410	00000/0000	1-10055/0276	02/16/77	40	3273	20.6	131.3	GGGG			42	30
11254W	3441N	5739-16254	00000/0000	1-10058/0056	04/27/77	40	4249	43.8	105.1	GGG			40	36
11254W	3435N	5526-16444	00000/0000	1-10054/0016	09/26/76	20	1279	38.4	125.9	GFGG			40	36
11254W	3432N	5544-16431	00000/0000	1-10054/0348	10/14/76	0	1530	33.8	132.3	GGGG			40	36
11255W	4310N	5510-16550	00000/0000	1-10053/0324	09/10/76	0	1056	38.8	127.7	GGGG			42	30
11255W	3435N	5721-16272	00000/0000	1-10057/0039	04/09/77	0	3998	39.7	111.2	GGF			40	36
11256W	4308N	5546-16520	00000/0000	1-10054/0416	10/16/76	0	1558	28.8	138.6	GGGG			42	30
11256W	3438N	5490-16474	00000/0000	1-10052/0674	08/21/76	10	0777	46.0	110.8	GGGG			40	36
11257W	3851N	5545-16473	00000/0000	1-10054/0391	10/15/76	10	1544	31.1	135.5	GGGG			41	33
11258W	3853N	5509-16503	00000/0000	1-10053/0298	09/09/76	10	1042	40.8	123.2	GGGG			41	33
11258W	3852N	5527-16490	00000/0000	1-10054/0038	09/27/76	10	1293	36.2	129.9	GGGG			41	33
11258W	3436N	5757-16240	00000/0000	1-10058/0208	05/15/77	10	4500	46.6	99.0	GGG			40	36
11258W	3436N	5775-16222	00000/0000	1-10059/0378	06/02/77	10	4751	47.5	94.1	GGG			40	36
11259W	3857N	5491-16520	00000/0000	1-10053/0008	08/22/76	30	0791	44.5	116.2	GGGG			41	33
11259W	3437N	5811-16185	00000/0000	1-10060/0352	07/08/77	10	5253	45.4	92.2	GGG			40	36
11300W	4311N	5777-16311	00000/0000	1-10059/0364	06/04/77	10	4779	47.8	104.8	GGG			42	30
11300W	3436N	5793-16204	00000/0000	1-10059/0655	06/20/77	0	5002	46.5	91.7	GGG			40	36
11301W	4306N	5795-16292	00000/0000	1-10060/0030	06/22/77	10	5030	47.5	102.4	GGG			42	30
11301W	4305N	5813-16273	00000/0000	1-10060/0514	07/10/77	10	5281	45.8	102.7	GFG			42	30
11301W	3857N	5473-16533	00000/0000	1-10052/0279	08/04/76	0	0540	48.2	109.8	GGGG			41	33
11302W	3853N	5812-16231	00000/0000	1-10060/0363	07/09/77	0	5267	45.8	97.4	GGG			41	33
11303W	3852N	5776-16265	00000/0000	1-10059/0354	06/03/77	0	4765	47.8	99.3	GGG			41	33
11304W	3853N	5794-16250	00000/0000	1-10060/0146	06/21/77	10	5016	47.8	97.0	GGF			41	33
11316W	4602N	5493-17011	00000/0000	1-10052/0738	08/24/76	10	0819	42.1	124.8	GGFG			43	28
11316W	4556N	5547-16565	00000/0000	1-10054/0426	10/17/76	90	1572	26.3	140.6	GGGG			43	28
11316W	3309N	5667-16324	00000/0000	1-10055/0169	02/14/77	0	3245	24.7	126.4	GGGG			40	37
11317W	4559N	5529-16582	00000/0000	1-10054/0086	09/29/76	0	1321	31.9	136.1	GGGG			43	28
11319W	3312N	5508-16463	00000/0000	1-10053/0288	09/08/76	0	1028	43.0	117.0	GGGG			40	37
11319W	3311N	5526-16450	00000/0000	1-10054/0017	09/26/76	20	1279	39.0	124.7	GGGG			40	37
11319W	3307N	5544-16434	00000/0000	1-10054/0349	10/14/76	10	1530	34.5	131.2	GGGG			40	37
11321W	4559N	5778-16360	00000/0000	1-10059/0384	06/05/77	0	4793	47.6	108.4	GGG			43	28
11321W	3312N	5490-16480	00000/0000	1-10052/0675	08/21/76	10	0777	46.2	109.1	GGGG			40	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY (BLANKS)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	SUN. ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
11321W	3310N	5721-16275	00000/0000	1-10057/0040	04/09/77	0	3998	40.0	109.9	FFF			40	37
11322W	4556N	5814-16322	00000/0000	1-10060/0664	07/11/77	20	5295	45.5	106.3	GGG			43	28
11323W	4557N	5796-16341	00000/0000	1-10060/0101	06/23/77	10	5044	47.3	106.1	GPG			43	28
11323W	3310N	5775-16225	00000/0000	1-10059/0379	06/02/77	0	4751	47.3	92.4	GGG			40	37
11324W	3311N	5757-16243	00000/0000	1-10058/0209	05/15/77	0	4500	46.5	97.2	GGG			40	37
11325W	4148N	5492-16565	00000/0000	1-10052/0706	08/23/76	20	0805	43.8	119.8	GGGG			42	31
11325W	4144N	5528-16535	00000/0000	1-10054/0049	09/28/76	10	1307	34.5	132.5	GGGG			42	31
11325W	4143N	5669-16413	00000/0000	1-10055/0277	02/16/77	10	3273	21.3	130.5	GGGG			42	31
11325W	3724N	5545-16480	00000/0000	1-10054/0392	10/15/76	0	1544	31.9	134.6	GGGG			41	34
11325W	3312N	5811-16191	00000/0000	1-10060/0353	07/08/77	0	5253	45.2	90.6	GGG			40	37
11325W	3310N	5793-16210	00000/0000	1-10059/0656	06/20/77	0	5002	46.7	90.0	GGG			40	37
11326W	4148N	5474-16582	00000/0000	1-10052/0300	08/05/76	0	0554	47.5	113.8	GGGG			42	31
11326W	4144N	5510-16552	00000/0000	1-10053/0325	09/10/76	30	1056	39.4	126.3	GFGG			42	31
11326W	4142N	5546-16522	00000/0000	1-10054/0417	10/16/76	0	1558	29.1	137.7	GGGG			42	31
11326W	3727N	5509-16510	00000/0000	1-10053/0299	09/09/76	60	1042	41.4	121.7	GGGG			41	34
11326W	3727N	5527-16493	00000/0000	1-10054/0039	09/27/76	10	1293	36.9	128.7	GGGG			41	34
11327W	4848N	5671-16504	00000/0000	1-10055/0234	02/18/77	10	3301	18.3	134.0	GGGG			44	26
11327W	3731N	5491-16523	00000/0000	1-10053/0009	08/22/76	10	0791	45.2	114.5	GGGG			41	34
11328W	3731N	5473-16540	00000/0000	1-10052/0280	08/04/76	0	0540	48.4	107.9	GGGG			41	34
11328W	3730N	5758-16285	00000/0000	1-10058/0343	05/16/77	60	4514	46.4	102.2	GGG			41	34
11330W	4852N	5476-17073	00000/0000	1-10052/0338	08/07/76	20	0582	45.1	123.3	GGGG			44	26
11330W	3728N	5812-16233	00000/0000	1-10060/0364	07/09/77	0	5267	45.6	95.7	FFF			41	34
11331W	4849N	5512-17043	00000/0000	1-10053/0379	09/12/76	50	1084	35.6	133.6	GGGG			44	26
11331W	4145N	5777-16314	00000/0000	1-10059/0365	06/04/77	10	4779	47.0	102.9	GGG			42	31
11331W	4140N	5813-16280	00000/0000	1-10060/0515	07/10/77	10	5281	45.8	100.9	GFG			42	31
11331W	3726N	5776-16271	00000/0000	1-10059/0355	06/03/77	0	4765	47.7	97.5	GGG			41	34
11332W	4850N	5530-17031	00000/0000	1-10054/0072	09/30/76	30	1335	29.0	138.6	GGGG			44	26
11332W	4845N	5548-17014	00000/0000	1-10054/0452	10/18/76	10	1586	24.2	142.6	GGGG			44	26
11332W	4140N	5795-16295	00000/0000	1-10060/0031	06/22/77	10	5030	47.5	100.5	GGG			42	31
11332W	3728N	5794-16252	00000/0000	1-10060/0147	06/21/77	20	5016	47.2	95.2	GGG			41	34
11333W	4853N	5725-16455	00000/0000	1-10057/0043	04/13/77	80	4054	37.0	124.1	GGG			44	26
11338W	4849N	5779-16405	00000/0000	1-10059/0422	06/06/77	20	4807	47.3	112.1	GGG			44	26
11339W	4847N	5797-16390	00000/0000	1-10060/0210	06/24/77	40	5058	47.0	109.9	GGG			44	26
11341W	3143N	5667-16330	00000/0000	1-10055/0164	02/14/77	10	3245	25.4	125.6	G GG			40	38
11343W	3144N	5526-16453	00000/0000	1-10054/0018	09/26/76	20	1279	39.6	123.4	GGGG			40	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
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PAGE 0224

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
11345W	3146N	5508-16470	00000/0000	1-10053/0289	09/08/76	20	1028	43.4	115.5	GGGG			40	38
11345W	3141N	5544-16440	00000/0000	1-10054/0350	10/14/76	10	1530	35.8	130.2	GFGG			40	38
11346W	3146N	5490-16483	00000/0000	1-10052/0676	08/21/76	10	0777	46.4	107.4	GGGG			40	38
11346W	3144N	5721-16281	00000/0000	1-10057/0041	04/09/77	0	3998	40.2	108.5	GGF			40	38
11348W	3145N	5757-16245	00000/0000	1-10058/0210	05/15/77	0	4500	46.4	95.5	GGG			40	38
11348W	3145N	5775-16231	00000/0000	1-10059/0380	06/02/77	0	4751	47.1	90.7	GGG			40	38
11349W	4436N	5493-17014	00000/0000	1-10052/0739	08/24/76	10	0819	42.6	123.3	GGGG			43	29
11349W	4431N	5547-16571	00000/0000	1-10054/0427	10/17/76	40	1572	27.1	139.7	GGGG			43	29
11349W	3146N	5811-16194	00000/0000	1-10060/0354	07/08/77	0	5253	44.8	89.0	GGG			40	38
11349W	3144N	5793-16213	00000/0000	1-10059/0657	06/20/77	0	5002	46.4	88.3	GGF			40	38
11350W	4433N	5529-16584	00000/0000	1-10054/0087	09/29/76	0	1321	32.7	135.0	FGGG			43	29
11352W	3558N	5545-16482	00000/0000	1-10054/0399	10/15/76	10	1544	32.7	133.6	GGGG			41	35
11353W	3601N	5509-16512	00000/0000	1-10053/0300	09/09/76	90	1042	41.8	120.3	GGGG			41	35
11354W	4435N	5778-16363	00000/0000	1-10059/0385	06/05/77	0	4793	47.8	106.5	GGG			43	29
11354W	3605N	5491-16525	00000/0000	1-10053/0010	08/22/76	10	0791	45.5	112.9	FGGG			41	35
11354W	3602N	5527-16495	00000/0000	1-10054/0040	09/27/76	10	1293	37.5	127.5	GGGG			41	35
11355W	4431N	5814-16325	00000/0000	1-10060/0665	07/11/77	10	5295	45.6	104.5	GGG			43	29
11355W	4018N	5669-16415	00000/0000	1-10055/0278	02/16/77	10	3273	21.8	129.8	GGFG			42	32
11355W	3605N	5473-16542	00000/0000	1-10052/0281	08/04/76	0	0540	48.6	106.1	GGGG			41	35
11355W	3603N	5758-16292	00000/0000	1-10058/0344	05/16/77	10	4514	46.7	100.4	GGG			41	35
11356W	4432N	5796-16344	00000/0000	1-10060/0102	06/23/77	10	5044	47.4	104.2	GGG			43	29
11356W	4022N	5492-16571	00000/0000	1-10052/0707	08/23/76	10	0805	44.3	118.2	FGGG			42	32
11356W	4021N	5474-16584	00000/0000	1-10052/0301	08/05/76	0	0554	47.8	112.0	GGGG			42	32
11356W	4019N	5510-16555	00000/0000	1-10053/0326	09/10/76	90	1056	40.0	124.9	GGGG			42	32
11356W	4019N	5528-16542	00000/0000	1-10054/0050	09/28/76	10	1307	35.2	131.4	GGGG			42	32
11356W	4017N	5546-16525	00000/0000	1-10054/0418	10/16/76	0	1558	30.0	136.7	GGGG			42	32
11357W	3602N	5812-16240	00000/0000	1-10060/0365	07/09/77	0	5267	45.5	94.0	GGG			41	35
11358W	3600N	5776-16274	00000/0000	1-10059/0356	06/03/77	0	4765	47.6	95.7	GGG			41	35
11359W	3603N	5794-16255	00000/0000	1-10060/0148	06/21/77	10	5016	47.3	93.4	GGG			41	35
11400W	4020N	5777-16320	00000/0000	1-10059/0366	06/04/77	10	4779	47.9	101.0	GGG			42	32
11401W	4015N	5813-16282	00000/0000	1-10060/0516	07/10/77	0	5281	45.7	99.1	GGG			42	32
11402W	4015N	5795-16301	00000/0000	1-10060/0032	06/22/77	10	5030	47.4	98.7	GGG			42	32
11404W	4723N	5671-16510	00000/0000	1-10055/0235	02/18/77	20	3301	19.0	133.2	GGGG			44	27
11407W	4731N	5743-16443	00000/0000	1-10058/0071	05/01/77	10	4305	42.6	118.5	GGG			44	27
11407W	4727N	5476-17080	00000/0000	1-10052/0332	08/07/76	40	0582	45.6	121.5	G GG			44	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
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 FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-DUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS							123	45678			
11407W	4724N	5512-17050	1-10053/0380	09/12/76	80	1084	36.3	132.3		GGGG			44	27
11408W	4721N	5548-17020	1-10054/0453	10/18/76	10	1586	25.6	141.7		GGGG			44	27
11409W	4725N	5530-17033	1-10054/0073	09/30/76	20	1335	30.7	137.5		GGG			44	27
11409W	3020N	5508-16472	1-10053/0290	09/08/76	90	1028	43.7	114.0		GGGG			40	39
11410W	4728N	5725-16461	1-10057/0044	04/13/77	90	4054	37.5	122.7		GGG			44	27
11410W	3019N	5490-16485	1-10052/0677	08/21/76	10	0777	46.6	105.7		GGFG			40	39
11410W	3019N	5721-16284	1-10057/0042	04/09/77	0	3998	40.4	107.1		GGG			40	39
11411W	3019N	5757-16252	1-10058/0211	05/15/77	10	4500	46.3	93.8		FGG			40	39
11412W	3019N	5775-16234	1-10059/0381	06/02/77	0	4751	46.8	89.0		GGG			40	39
11413W	3020N	5811-16200	1-10060/0355	07/08/77	0	5253	44.6	87.4		GGG			40	39
11414W	4725N	5779-16411	1-10059/0423	06/06/77	10	4807	47.5	110.1		GGG			44	27
11414W	4721N	5815-16373	1-10060/0571	07/12/77	60	5309	45.3	108.2		GGG			44	27
11415W	4722N	5797-16392	1-10060/0211	06/24/77	20	5058	47.1	107.9		GGG			44	27
11419W	3433N	5545-16485	1-10054/0394	10/15/76	0	1544	33.5	132.6		GGGG			41	36
11420W	3439N	5491-16532	1-10053/0011	08/22/76	10	0791	45.8	111.2		GGFG			41	36
11420W	3437N	5527-16502	1-10054/0041	09/27/76	10	1293	38.2	126.3		GGGG			41	36
11420W	3435N	5509-16515	1-10053/0301	09/09/76	100	1042	42.3	118.9		GGGG			41	36
11421W	4311N	5493-17020	1-10052/0740	08/24/76	10	0819	43.1	121.7		GGGG			43	30
11421W	4306N	5547-16574	1-10054/0428	10/17/76	0	1572	28.0	138.8		GFGG			43	30
11421W	3437N	5758-16294	1-10058/0345	05/16/77	10	4514	46.7	98.7		GGG			41	36
11422W	3439N	5473-16545	1-10052/0282	08/04/76	0	0540	48.7	104.2		GGGG			41	36
11423W	4309N	5529-16591	1-10054/0088	09/29/76	0	1321	33.4	133.9		GGFG			43	30
11423W	3437N	5812-16242	1-10060/0366	07/09/77	0	5267	45.9	92.3		GGG			41	36
11424W	3853N	5669-16422	1-10055/0279	02/16/77	0	3273	22.6	129.0		GGGF			42	33
11424W	3434N	5776-16280	1-10059/0357	06/03/77	0	4765	47.5	93.9		GGG			41	36
11425W	3856N	5474-16591	1-10052/0302	08/05/76	0	0554	48.1	110.1		GGGG			42	33
11425W	3856N	5492-16574	1-10052/0708	08/23/76	10	0805	44.7	116.6		GGGG			42	33
11425W	3854N	5510-16561	1-10053/0327	09/10/76	90	1056	40.6	123.6		GGGG			42	33
11425W	3851N	5546-16531	1-10054/0419	10/16/76	10	1558	30.8	135.8		GGGG			42	33
11425W	3437N	5794-16261	1-10060/0149	06/21/77	10	5016	46.9	91.7		GGG			41	36
11426W	4310N	5778-16365	1-10059/0386	06/05/77	0	4793	47.8	104.6		GGG			43	30
11426W	4306N	5814-16331	1-10060/0666	07/11/77	10	5295	45.6	102.8		GGG			43	30
11426W	3855N	5528-16544	1-10054/0051	09/28/76	20	1307	35.9	130.3		GGGG			42	33
11428W	4307N	5796-16350	1-10060/0103	06/23/77	20	5044	47.4	102.3		GGG			43	30
11428W	3856N	5759-16341	1-10058/0348	05/17/77	70	4528	46.8	103.6		FGG			42	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO. / IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT									123 45678				
11428W	3854N	5777-16323	00000/0000	1-10059/0367	06/04/77	0	4779	47.8	99.2	GGG			42	33
11429W	3850N	5813-16285	00000/0000	1-10060/0517	07/10/77	0	5281	45.6	97.4	GGG			42	33
11431W	3850N	5795-16304	00000/0000	1-10060/0033	06/22/77	10	5030	47.3	96.9	GGG			42	33
11438W	4557N	5671-16513	00000/0000	1-10055/0236	02/18/77	70	3301	19.7	132.4	GGGG			44	28
11441W	4606N	5743-16450	00000/0000	1-10058/0072	05/01/77	20	4305	42.0	116.8	GGG			44	28
11441W	4602N	5476-17082	00000/0000	1-10052/0333	08/07/76	80	0582	46.1	119.8	GGG			44	28
11441W	4600N	5512-17052	00000/0000	1-10053/0381	09/12/76	90	1084	37.0	131.0	GGGG			44	28
11442W	4603N	5494-17065	00000/0000	1-10052/0750	08/25/76	10	0833	41.8	125.2	GGGG			44	28
11442W	4556N	5548-17023	00000/0000	1-10054/0454	10/18/76	10	1586	25.9	140.8	GGGG			44	28
11444W	4601N	5530-17040	00000/0000	1-10054/0074	09/30/76	0	1335	31.6	136.4	GGGG			44	28
11445W	4603N	5725-16464	00000/0000	1-10057/0045	04/13/77	80	4054	38.0	121.2	GGG			44	28
11445W	3311N	5527-16504	00000/0000	1-10054/0042	09/27/76	10	1293	38.8	125.1	GGGG			41	37
11445W	3307N	5545-16491	00000/0000	1-10054/0395	10/15/76	0	1544	34.3	131.6	GGGG			41	37
11446W	3309N	5509-16521	00000/0000	1-10053/0302	09/09/76	100	1042	42.8	119.4	GGGG			41	37
11447W	3313N	5473-16551	00000/0000	1-10052/0283	08/04/76	0	0540	48.8	102.4	GGGG			41	37
11447W	3313N	5491-16534	00000/0000	1-10053/0012	08/22/76	10	0791	46.1	109.5	GGGG			41	37
11447W	3312N	5758-16301	00000/0000	1-10058/0346	05/16/77	0	4514	46.6	97.0	GGG			41	37
11448W	4559N	5779-16414	00000/0000	1-10059/0424	06/06/77	10	4807	47.8	108.2	FGG			44	28
11448W	4556N	5815-16380	00000/0000	1-10060/0572	07/12/77	20	5309	45.4	106.4	GGG			44	28
11449W	3310N	5812-16245	00000/0000	1-10060/0367	07/09/77	0	5267	45.0	90.7	GGG			41	37
11450W	4557N	5797-16395	00000/0000	1-10060/0212	06/24/77	10	5058	47.2	106.0	GGG			44	28
11450W	3308N	5776-16283	00000/0000	1-10059/0358	06/03/77	0	4765	47.3	92.2	GGG			41	37
11451W	3310N	5794-16264	00000/0000	1-10060/0150	06/21/77	20	5016	46.6	90.0	GGG			41	37
11452W	4145N	5493-17023	00000/0000	1-10052/0741	08/24/76	0	0819	43.6	120.1	GGGG			43	31
11452W	4141N	5547-16580	00000/0000	1-10054/0429	10/17/76	0	1572	28.0	137.9	GGGG			43	31
11452W	3729N	5510-16564	00000/0000	1-10053/0328	09/10/76	100	1056	41.1	122.2	GGGG			42	34
11452W	3727N	5669-16424	00000/0000	1-10055/0280	02/16/77	0	3273	23.3	128.2	FGGG			42	34
11453W	3731N	5492-16580	00000/0000	1-10052/0709	08/23/76	10	0805	45.0	114.9	GGGG			42	34
11453W	3726N	5546-16534	00000/0000	1-10054/0420	10/16/76	10	1558	31.6	134.8	GGGG			42	34
11454W	4144N	5529-16593	00000/0000	1-10054/0089	09/29/76	0	1321	34.2	132.8	FGGG			43	31
11454W	3730N	5474-16593	00000/0000	1-10052/0303	08/05/76	10	0554	48.3	108.3	GGGG			42	34
11454W	3730N	5528-16551	00000/0000	1-10054/0052	09/28/76	10	1307	36.6	129.1	GGGG			42	34
11454W	3729N	5777-16325	00000/0000	1-10059/0368	06/04/77	0	4779	47.8	97.4	GGG			42	34
11455W	3730N	5759-16343	00000/0000	1-10058/0349	05/17/77	20	4528	46.0	101.9	FGG			42	34
11456W	4853N	5477-17131	00000/0000	1-10052/0356	08/08/76	100	0596	44.8	123.6	GGGG			45	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS							123	45678			
11457W	4850N	5513-17101	00000/0000	1-10053/0397	09/13/76	30	1098	35.2	133.9		GGGG		45	26
11457W	4145N	5778-16372	00000/0000	1-10059/0387	06/05/77	0	4793	47.9	102.7		GGG		43	31
11457W	4141N	5814-16334	00000/0000	1-10060/0667	07/11/77	0	5295	45.6	101.0		GGG		43	31
11457W	3724N	5813-16291	00000/0000	1-10060/0518	07/10/77	0	5281	45.8	95.7		GGG		42	34
11458W	4851N	5531-17084	00000/0000	1-10054/0171	10/01/76	10	1349	29.6	138.9		GGGG		45	26
11459W	4855N	5744-16495	00000/0000	1-10058/0061	05/02/77	90	4319	42.4	119.9		FFF		45	26
11459W	4141N	5796-16353	00000/0000	1-10060/0104	06/23/77	10	5044	47.4	100.5		GGG		43	31
11459W	3725N	5795-16310	00000/0000	1-10060/0034	06/22/77	10	5030	47.2	95.1		GGG		42	34
11500W	4852N	5726-16513	00000/0000	1-10057/0091	04/14/77	70	4068	37.3	123.8		GGG		45	26
11505W	4847N	5798-16444	00000/0000	1-10060/0191	06/25/77	50	5072	46.9	109.8		GGG		45	26
11508W	3144N	5527-16511	00000/0000	1-10054/0043	09/27/76	10	1293	39.4	123.8		GGGG		41	38
11509W	3141N	5545-16494	00000/0000	1-10054/0396	10/15/76	10	1544	35.0	130.5		GGGG		41	38
11512W	4433N	5671-16515	00000/0000	1-10055/0237	02/18/77	50	3301	20.4	131.6		GGGG		44	29
11512W	3147N	5473-16554	00000/0000	1-10052/0284	08/04/76	0	0540	48.8	100.6		GGGG		41	38
11512W	3147N	5491-16541	00000/0000	1-10053/0013	08/22/76	10	0791	46.9	107.8		FGGG		41	38
11512W	3147N	5758-16303	00000/0000	1-10058/0347	05/16/77	10	4514	46.6	95.3		GGG		41	38
11512W	3145N	5509-16524	00000/0000	1-10053/0303	09/09/76	100	1042	43.2	115.9		GGGG		41	38
11514W	4441N	5743-16452	00000/0000	1-10058/0073	05/01/77	30	4305	43.3	115.2		GGG		44	29
11514W	4435N	5512-17055	00000/0000	1-10053/0382	09/12/76	30	1084	37.6	129.7		GGGG		44	29
11514W	4431N	5548-17025	00000/0000	1-10054/0455	10/18/76	0	1586	26.8	139.9		GGGG		44	29
11514W	3144N	5812-16251	00000/0000	1-10060/0368	07/09/77	10	5267	44.8	89.1		GGG		41	38
11515W	4438N	5494-17072	00000/0000	1-10052/0751	08/25/76	10	0833	42.4	123.6		GGGG		44	29
11515W	4437N	5476-17085	00000/0000	1-10052/0334	08/07/76	40	0582	46.5	118.0		G GG		44	29
11515W	3145N	5794-16270	00000/0000	1-10060/0151	06/21/77	10	5016	46.3	88.3		GGG		41	38
11515W	3143N	5776-16285	00000/0000	1-10059/0359	06/03/77	10	4765	47.1	90.4		GGG		41	38
11517W	4436N	5530-17042	00000/0000	1-10054/0075	09/30/76	0	1335	32.3	135.4		GGFG		44	29
11518W	4438N	5725-16470	00000/0000	1-10057/0046	04/13/77	80	4054	38.4	119.8		GGG		44	29
11519W	3603N	5510-16570	00000/0000	1-10053/0329	09/10/76	100	1056	41.6	120.8		GFGG		42	35
11519W	3601N	5669-16431	00000/0000	1-10055/0281	02/16/77	0	3273	24.0	127.5		GFFG		42	35
11520W	3603N	5777-16332	00000/0000	1-10059/0369	06/04/77	10	4779	47.6	95.5		GGG		42	35
11520W	3601N	5546-16540	00000/0000	1-10054/0421	10/16/76	10	1558	32.4	133.9		GGGG		42	35
11521W	4431N	5815-16382	00000/0000	1-10060/0573	07/12/77	10	5309	45.5	104.6		GGG		44	29
11521W	4018N	5670-16473	00000/0000	1-10055/0227	02/17/77	50	3287	22.2	129.5		GGGG		43	32
11521W	3605N	5474-17000	00000/0000	1-10052/0304	08/05/76	0	0854	48.4	106.4		GGGG		42	35
11521W	3605N	5492-16583	00000/0000	1-10052/0710	08/23/76	10	0805	45.3	113.3		GGGG		42	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE LONG	PRINCIPAL POINT OF IMAGE LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
11521W	3605N	5528-16553	00000/0000	1-10054/0053	09/28/76	10	1307	37.3	127.9	GGGG			42	35
11521W	3604N	5759-16350	00000/0000	1-10058/0350	05/17/77	10	4528	46.8	100.1	GFF			42	35
11522W	4434N	5779-16420	00000/0000	1-10059/0425	06/06/77	10	4807	47.8	106.3	GGG			44	29
11522W	4020N	5493-17025	00000/0000	1-10052/0742	08/24/76	0	0819	44.1	118.5	GGGG			43	32
11522W	4015N	5547-16583	00000/0000	1-10054/0430	10/17/76	0	1572	29.7	137.0	GGGG			43	32
11523W	4432N	5797-16401	00000/0000	1-10060/0213	06/24/77	10	5058	47.3	104.1	GGG			44	29
11523W	4025N	5475-17042	00000/0000	1-10052/0293	08/06/76	0	0568	47.6	112.3	GGGG			43	32
11524W	4019N	5529-17000	00000/0000	1-10054/0090	09/29/76	20	1321	34.9	131.7	GGGG			43	32
11524W	3558N	5813-16294	00000/0000	1-10060/0519	07/10/77	0	5281	45.4	94.0	GGG			42	35
11526W	4015N	5814-16340	00000/0000	1-10060/0668	07/11/77	0	5295	45.6	99.3	GGG			43	32
11526W	3600N	5795-16313	00000/0000	1-10060/0035	06/22/77	10	5030	47.0	93.3	GGG			42	35
11527W	4019N	5778-16374	00000/0000	1-10059/0388	06/05/77	20	4793	47.9	100.8	GGG			43	32
11529W	4016N	5796-16355	00000/0000	1-10060/0105	06/23/77	10	5044	47.3	98.6	GFG			43	32
11532W	4728N	5477-17134	00000/0000	1-10052/0357	08/08/76	90	0596	45.4	121.8	GGGG			45	27
11533W	4725N	5513-17104	00000/0000	1-10053/0398	09/13/76	10	1098	36.0	132.6	GGGG			45	27
11534W	4727N	5531-17091	00000/0000	1-10054/0172	10/01/76	10	1349	30.4	137.8	GGGG			45	27
11535W	4729N	5744-16501	00000/0000	1-10058/0062	05/02/77	90	4319	42.8	118.2	FFF			45	27
11536W	4728N	5726-16515	00000/0000	1-10057/0092	04/14/77	50	4068	37.8	122.4	GGG			45	27
11541W	4722N	5798-16450	00000/0000	1-10060/0192	06/25/77	20	5072	47.1	107.9	GGG			45	27
11544W	4308N	5671-16522	00000/0000	1-10055/0238	02/18/77	40	3301	21.1	130.9	GFGG			44	30
11546W	4310N	5512-17061	00000/0000	1-10053/0383	09/12/76	10	1084	38.3	128.3	GGGG			44	30
11546W	4307N	5548-17032	00000/0000	1-10054/0456	10/18/76	0	1586	27.7	139.0	GGGG			44	30
11546W	3439N	5492-16585	00000/0000	1-10052/0711	08/23/76	10	0805	45.6	111.6	GGGG			42	36
11546W	3438N	5528-16560	00000/0000	1-10054/0054	09/28/76	10	1307	37.9	126.7	GGGG			42	36
11546W	3438N	5759-16352	00000/0000	1-10058/0351	05/17/77	10	4528	46.8	98.4	GGF			42	36
11546W	3437N	5510-16573	00000/0000	1-10059/0330	09/10/76	100	1056	42.7	119.3	GGFG			42	36
11546W	3437N	5777-16334	00000/0000	1-10059/0370	06/04/77	20	4779	47.5	93.8	GGG			42	36
11546W	3435N	5546-16543	00000/0000	1-10054/0422	10/16/76	10	1558	33.2	132.9	GGGG			42	36
11546W	3435N	5669-16433	00000/0000	1-10055/0282	02/16/77	0	3273	24.6	126.7	GGFG			42	36
11547W	4315N	5743-16455	00000/0000	1-10058/0074	05/01/77	70	4305	43.6	113.5	GGG			44	30
11547W	4312N	5476-17091	00000/0000	1-10052/0335	08/07/76	20	0582	46.8	116.2	GFG			44	30
11547W	4312N	5494-17074	00000/0000	1-10052/0752	08/25/76	0	0833	42.9	122.0	GGGG			44	30
11548W	3439N	5474-17002	00000/0000	1-10052/0305	08/05/76	0	0554	48.8	104.6	GGGG			42	36
11549W	4311N	5530-17045	00000/0000	1-10054/0076	09/30/76	0	1335	33.1	134.3	GGGG			44	30
11550W	3853N	5670-16475	00000/0000	1-10055/0228	02/17/77	40	3287	22.9	128.8	GGGG			43	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0229

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
11550W	3433N	5813-16300	00000/0000	1-10060/0520	07/10/77	0	5281	45.2	92.4	GGG			42	36
11551W	4313N	5725-16473	00000/0000	1-10057/0047	04/13/77	80	4054	38.9	118.4	GGG			44	30
11552W	3900N	5475-17045	00000/0000	1-10052/0294	08/06/76	0	0568	47.9	110.5	GGGG			43	33
11552W	3855N	5493-17032	00000/0000	1-10052/0743	08/24/76	0	0819	44.8	116.9	GGGG			43	33
11552W	3434N	5795-16315	00000/0000	1-10060/0036	06/22/77	10	5030	46.8	91.6	GGG			42	36
11553W	4306N	5815-16385	00000/0000	1-10060/0574	07/12/77	0	5309	45.5	102.9	GGG			44	30
11553W	3853N	5529-17002	00000/0000	1-10054/0091	09/29/76	70	1321	35.7	130.6	GGGG			43	33
11554W	4308N	5779-16423	00000/0000	1-10059/0426	06/06/77	30	4807	47.9	104.4	GGG			44	30
11555W	4308N	5797-16404	00000/0000	1-10060/0214	06/24/77	10	5058	47.3	102.3	GGG			44	30
11555W	3853N	5778-16381	00000/0000	1-10059/0389	06/05/77	30	4793	47.8	99.0	GGG			43	33
11555W	3849N	5814-16343	00000/0000	1-10060/0669	07/11/77	0	5295	45.5	97.5	GGG			43	33
11557W	3851N	5796-16362	00000/0000	1-10060/0106	06/23/77	10	5044	47.2	96.8	GGG			43	33
11602W	4558N	5672-16571	00000/0000	1-10055/0304	02/19/77	0	3315	20.6	132.2	GGGF			45	28
11607W	4601N	5513-17110	00000/0000	1-10053/0399	09/13/76	0	1098	36.7	131.3	GGGG			45	28
11608W	4603N	5477-17140	00000/0000	1-10052/0358	08/08/76	90	0596	45.8	120.0	GGGG			45	28
11608W	4602N	5531-17093	00000/0000	1-10054/0173	10/01/76	30	1349	31.2	136.7	GGGG			45	28
11610W	4604N	5744-16504	00000/0000	1-10058/0063	05/02/77	70	4319	43.2	116.5	GFF			45	28
11611W	4603N	5726-16522	00000/0000	1-10057/0093	04/14/77	70	4068	38.3	121.0	GGG			45	28
11611W	3312N	5492-16592	00000/0000	1-10052/0712	08/23/76	0	0805	45.8	110.0	GGGG			42	37
11611W	3310N	5528-16562	00000/0000	1-10054/0055	09/28/76	10	1307	38.6	125.5	GGGG			42	37
11611W	3309N	5546-16545	00000/0000	1-10054/0423	10/16/76	10	1558	34.0	131.9	GGGG			42	37
11612W	3313N	5759-16355	00000/0000	1-10058/0352	05/17/77	10	4528	46.7	96.6	GGF			42	37
11612W	3311N	5510-16575	00000/0000	1-10053/0331	09/10/76	100	1056	42.6	117.9	GGGG			42	37
11612W	3309N	5669-16440	00000/0000	1-10055/0283	02/16/77	0	3273	25.2	125.9	GGGG			42	37
11613W	3311N	5777-16341	00000/0000	1-10059/0371	06/04/77	20	4779	47.3	92.0	GGG			42	37
11615W	4557N	5798-16453	00000/0000	1-10060/0193	06/25/77	10	5072	47.2	106.0	GGG			45	28
11615W	4556N	5816-16434	00000/0000	1-10060/0690	07/13/77	40	5323	45.3	106.5	GGG			45	28
11615W	4142N	5671-16524	00000/0000	1-10055/0239	02/18/77	0	3301	21.8	130.1	GGGG			44	31
11615W	3315N	5474-17005	00000/0000	1-10052/0306	08/05/76	10	0554	48.6	102.8	GGGG			42	37
11616W	4142N	5548-17034	00000/0000	1-10054/0457	10/18/76	0	1586	28.6	138.1	GFGG			44	31
11616W	3307N	5813-16303	00000/0000	1-10060/0521	07/10/77	10	5281	44.8	90.8	GGG			42	37
11618W	4147N	5494-17081	00000/0000	1-10052/0753	08/25/76	0	0833	43.4	120.5	GGGG			44	31
11618W	4143N	5512-17064	00000/0000	1-10053/0384	09/12/76	30	1084	38.9	127.0	GGGG			44	31
11618W	3308N	5795-16322	00000/0000	1-10060/0037	06/22/77	10	5030	46.5	89.9	GGG			42	37
11619W	4149N	5743-16461	00000/0000	1-10058/0075	05/01/77	40	4305	43.8	111.9	GFG			44	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0230

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS						123	45678				
11619W	4148N	5476-17094	00000/0000	1-10052/0336	08/07/76	20	0582	47.2	114.4	G	GG		44	31
11619W	4144N	5530-17051	00000/0000	1-10054/0077	09/30/76	10	1335	33.8	133.2	GG	FG		44	31
11619W	3727N	5670-16482	00000/0000	1-10055/0229	02/17/77	60	3287	23.6	128.0	GGGG			43	34
11620W	3735N	5475-17051	00000/0000	1-10052/0295	08/06/76	0	0568	48.1	108.6	GGGG			43	34
11620W	3731N	5493-17034	00000/0000	1-10052/0744	08/24/76	0	0819	44.8	115.3	GGGG			43	34
11621W	4148N	5725-16475	00000/0000	1-10057/0048	04/13/77	80	4054	39.9	117.0	GGG			44	31
11621W	3728N	5529-17005	00000/0000	1-10057/0092	09/29/76	90	1321	36.4	129.4	GGGG			43	34
11622W	4855N	5478-17185	00000/0000	1-10052/0383	08/09/76	90	0610	44.7	123.8	GGGG			46	26
11622W	4852N	5514-17155	00000/0000	1-10053/0433	09/14/76	10	1112	34.9	134.2	GGGG			46	26
11623W	4848N	5532-17142	00000/0000	1-10054/0129	10/02/76	90	1363	29.3	139.1	GGGG			46	26
11623W	4141N	5815-16391	00000/0000	1-10060/0575	07/12/77	0	5309	45.5	101.1	GF	G		44	31
11623W	3727N	5778-16383	00000/0000	1-10059/0390	06/05/77	60	4793	47.8	97.1	GGG			43	34
11623W	3723N	5814-16345	00000/0000	1-10060/0670	07/11/77	0	5295	45.4	95.8	GGG			43	34
11624W	4143N	5779-16425	00000/0000	1-10059/0427	06/06/77	20	4807	47.9	102.5	GGF			44	31
11625W	4855N	5727-16571	00000/0000	1-10057/0082	04/15/77	90	4082	37.7	123.7	GGG			46	26
11626W	4143N	5797-16410	00000/0000	1-10060/0215	06/24/77	10	5058	47.3	100.4	GGG			44	31
11626W	3727N	5796-16364	00000/0000	1-10060/0107	06/23/77	10	5044	47.1	95.0	GGG			43	34
11636W	4433N	5672-16573	00000/0000	1-10055/0305	02/19/77	0	3315	20.7	131.4	GGFG			45	29
11636W	3146N	5492-16594	00000/0000	1-10052/0713	08/23/76	10	0805	46.1	108.3	FGGG			42	38
11636W	3143N	5528-16565	00000/0000	1-10054/0056	09/28/76	10	1307	39.2	124.3	GGGG			42	38
11637W	3147N	5759-16361	00000/0000	1-10058/0353	05/17/77	20	4528	46.6	94.9	GF	G		42	38
11637W	3145N	5510-16582	00000/0000	1-10053/0332	09/10/76	100	1056	43.6	116.4	GGGG			42	38
11637W	3144N	5669-16442	00000/0000	1-10055/0284	02/16/77	10	3273	25.8	125.1	GGGG			42	38
11639W	3145N	5777-16343	00000/0000	1-10059/0372	06/04/77	40	4779	47.1	90.3	GGG			42	38
11640W	3150N	5474-17011	00000/0000	1-10052/0307	08/05/76	30	0554	48.7	100.9	GG	G		42	38
11641W	4439N	5477-17143	00000/0000	1-10052/0359	08/08/76	90	0696	46.3	118.3	GGGG			45	29
11641W	4436N	5513-17113	00000/0000	1-10053/0400	09/13/76	0	1098	37.4	130.0	GGGG			45	29
11641W	4435N	5531-17100	00000/0000	1-10054/0174	10/01/76	70	1349	32.0	135.7	GGGG			45	29
11641W	3141N	5813-16305	00000/0000	1-10060/0522	07/10/77	60	5281	44.7	89.2	GF	G		42	38
11642W	4438N	5744-16510	00000/0000	1-10058/0064	05/02/77	60	4319	43.5	114.9	GGG			45	29
11644W	4437N	5726-16524	00000/0000	1-10057/0094	04/14/77	40	4068	38.8	119.6	GGG			45	29
11645W	4017N	5671-16531	00000/0000	1-10055/0240	02/18/77	10	3301	22.5	129.3	GGGG			44	32
11646W	4017N	5548-17041	00000/0000	1-10054/0458	10/18/76	0	1586	29.4	137.2	GGGG			44	32
11646W	3607N	5475-17054	00000/0000	1-10052/0296	08/06/76	0	0568	48.3	106.8	GGGG			43	35
11646W	3602N	5670-16484	00000/0000	1-10055/0230	02/17/77	40	3287	24.2	127.2	GGGG			43	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0231

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
11647W	3605N	5493-17041	00000/0000	1-10052/0745	08/24/76	0	0819	45.2	113.6	GGGG			43	35
11648W	4432N	5798-16455	00000/0000	1-10060/0194	06/25/77	10	5072	47.2	104.1	GGG			46	29
11648W	4430N	5816-16440	00000/0000	1-10060/0691	07/13/77	10	5323	45.3	104.7	GGG			45	29
11648W	4018N	5530-17054	00000/0000	1-10054/0078	09/30/76	40	1335	34.6	132.1	GGGG			44	32
11648W	4017N	5512-17070	00000/0000	1-10053/0385	09/12/76	30	1084	39.5	125.7	GGGG			44	32
11648W	3602N	5529-17011	00000/0000	1-10054/0093	09/29/76	90	1321	37.0	128.3	GGGG			43	35
11649W	4023N	5743-16464	00000/0000	1-10058/0076	05/01/77	50	4305	44.1	110.2	GFG			44	32
11649W	4022N	5494-17083	00000/0000	1-10052/0754	08/25/76	20	0833	43.8	118.9	GGGG			44	32
11650W	4024N	5476-17100	00000/0000	1-10052/0337	08/07/76	0	0582	47.5	112.6	F FG			44	32
11650W	3601N	5778-16390	00000/0000	1-10059/0391	06/05/77	40	4793	47.6	95.3	GGG			43	35
11650W	3558N	5814-16352	00000/0000	1-10060/0671	07/11/77	0	5295	45.2	94.2	GGG			43	35
11651W	4023N	5725-16482	00000/0000	1-10057/0049	04/13/77	90	4054	39.6	115.6	GGG			44	32
11653W	4018N	5779-16432	00000/0000	1-10059/0428	06/06/77	10	4807	47.9	100.6	GPG			44	32
11653W	4015N	5815-16394	00000/0000	1-10060/0576	07/12/77	0	5309	45.5	99.4	GGG			44	32
11656W	4018N	5797-16413	00000/0000	1-10060/0216	06/24/77	0	5058	47.3	98.6	F GG			44	32
11658W	4730N	5478-17192	00000/0000	1-10052/0384	08/09/76	70	0610	45.2	122.1	GGGG			46	27
11658W	4727N	5514-17162	00000/0000	1-10053/0434	09/14/76	30	1112	35.7	132.9	GGFG			46	27
11659W	4723N	5532-17145	00000/0000	1-10054/0130	10/02/76	100	1363	30.1	138.0	GGGG			46	27
11701W	4730N	5727-16573	00000/0000	1-10057/0083	04/15/77	100	4082	38.1	122.2	GGG			46	27
11706W	4722N	5799-16504	00000/0000	1-10060/0231	06/26/77	30	5086	47.0	107.9	GGG			46	27
11709W	4308N	5672-16580	00000/0000	1-10055/0306	02/19/77	10	3315	21.4	130.6	GGGG			45	30
11712W	3441N	5475-17060	00000/0000	1-10052/0297	08/06/76	0	0568	48.4	105.0	GGGG			43	36
11712W	3437N	5493-17043	00000/0000	1-10052/0746	08/24/76	0	0819	45.5	112.0	GGGG			43	36
11712W	3436N	5670-16491	00000/0000	1-10055/0231	02/17/77	10	3287	24.8	126.4	GGGG			43	36
11713W	4311N	5513-17115	00000/0000	1-10053/0401	09/13/76	30	1098	38.0	128.7	GGGG			45	30
11713W	4308N	5531-17102	00000/0000	1-10054/0175	10/01/76	90	1349	32.8	134.6	GGGG			45	30
11713W	3435N	5529-17014	00000/0000	1-10054/0094	09/29/76	80	1321	37.7	127.1	GGGG			43	36
11714W	4314N	5477-17145	00000/0000	1-10052/0360	08/08/76	60	0596	46.6	116.5	GGGG			45	30
11714W	4313N	5744-16513	00000/0000	1-10058/0065	05/02/77	20	4319	43.8	113.2	GGG			45	30
11714W	4312N	5495-17132	00000/0000	1-10052/0775	08/26/76	30	0847	42.6	122.4	GGGG			45	30
11714W	3852N	5548-17043	00000/0000	1-10054/0459	10/18/76	0	1586	30.2	136.3	GFFG			44	33
11714W	3852N	5671-16533	00000/0000	1-10055/0241	02/18/77	20	3301	23.2	128.5	GGGG			44	33
11716W	4312N	5726-16531	00000/0000	1-10057/0095	04/14/77	10	4068	39.2	118.1	F GG			45	30
11716W	3436N	5778-16392	00000/0000	1-10059/0392	06/05/77	40	4793	47.5	93.6	GGG			43	36
11717W	3852N	5512-17073	00000/0000	1-10053/0386	09/12/76	30	1084	40.1	124.3	GGGG			44	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0232

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
11717W	3852N	5530-17060	00000/0000	1-10054/0079	09/30/76	40	1335	35.4	130.9	GGFG			44	33
11717W	3432N	5814-16354	00000/0000	1-10060/0672	07/11/77	10	5295	45.4	92.5	GGG			43	36
11718W	3857N	5494-17090	00000/0000	1-10052/0755	08/25/76	50	0833	44.2	117.3	GGGG			44	33
11719W	4304N	5816-16443	00000/0000	1-10060/0692	07/13/77	10	5323	45.4	103.0	GGG			45	30
11719W	3859N	5476-17103	00000/0000	1-10052/0339	08/07/76	0	0582	47.7	110.7	GGGG			44	33
11719W	3857N	5743-16470	00000/0000	1-10058/0077	05/01/77	50	4305	44.8	108.6	GGG			44	33
11720W	5010N	5782-16572	00000/0000	1-10060/0001	06/09/77	10	4849	47.2	113.4	GGG			47	25
11720W	4307N	5798-16462	00000/0000	1-10060/0195	06/25/77	10	5072	47.3	102.2	GGG			48	30
11720W	3857N	5761-16452	00000/0000	1-10059/0018	05/19/77	10	4556	47.8	103.1	GGF			44	33
11721W	3858N	5725-16484	00000/0000	1-10057/0050	04/13/77	70	4054	40.0	114.2	GGG			44	33
11721W	3850N	5815-16400	00000/0000	1-10060/0577	07/12/77	0	5309	45.4	97.7	GGG			44	33
11722W	3852N	5779-16434	00000/0000	1-10059/0429	06/06/77	20	4807	47.8	98.8	GGG			44	33
11724W	3854N	5797-16415	00000/0000	1-10060/0217	06/24/77	10	5058	47.2	96.8	GGG			44	33
11729W	4600N	5655-17042	00000/0000	1-10055/0137	02/02/77	70	3078	15.4	135.6	FGGG			46	28
11732W	4602N	5514-17164	00000/0000	1-10053/0435	09/14/76	70	1112	36.4	131.6	GGGG			46	28
11734W	4605N	5478-17194	00000/0000	1-10052/0381	08/09/76	50	0610	45.6	120.3	GGG			46	28
11734W	4558N	5532-17151	00000/0000	1-10054/0131	10/02/76	90	1363	30.8	137.0	GGGG			46	28
11735W	4605N	5727-16580	00000/0000	1-10057/0084	04/15/77	60	4082	38.6	120.8	GGG			46	28
11737W	3314N	5475-17063	00000/0000	1-10052/0298	08/06/76	30	0568	48.8	103.2	GGGG			43	37
11737W	3310N	5670-16493	00000/0000	1-10055/0232	02/17/77	40	3287	25.5	125.6	GGGG			43	37
11738W	3309N	5493-17050	00000/0000	1-10052/0747	08/24/76	10	0819	45.7	110.4	GGGF			43	37
11739W	3312N	5511-17033	00000/0000	1-10053/0420	09/11/76	90	1070	42.4	118.3	GGGG			43	37
11739W	3309N	5529-17020	00000/0000	1-10054/0095	09/29/76	70	1321	38.3	125.9	GGGG			43	37
11741W	4852N	5656-17091	00000/0000	1-10055/0147	02/03/77	60	3092	14.1	136.8	GGGG			47	26
11741W	4557N	5799-16511	00000/0000	1-10060/0232	06/26/77	30	5086	47.1	106.0	GGG			46	28
11741W	4142N	5672-16582	00000/0000	1-10055/0307	02/19/77	0	3315	22.4	129.9	GGGG			45	31
11742W	3727N	5548-17050	00000/0000	1-10054/0460	10/18/76	0	1586	31.1	135.4	GGGG			44	34
11742W	3727N	5671-16540	00000/0000	1-10055/0242	02/18/77	10	3301	23.8	127.7	GGGG			44	34
11743W	3310N	5778-16395	00000/0000	1-10059/0393	06/05/77	90	4793	47.3	91.8	FFG			43	37
11744W	4142N	5531-17105	00000/0000	1-10054/0176	10/01/76	90	1349	33.6	133.5	FFGG			45	31
11744W	3727N	5530-17063	00000/0000	1-10054/0080	09/30/76	70	1335	36.4	129.8	GGGG			44	34
11744W	3308N	5814-16361	00000/0000	1-10060/0673	07/11/77	60	5295	44.8	90.9	GGG			43	37
11745W	4150N	5477-17152	00000/0000	1-10052/0361	08/08/76	10	0596	47.0	114.7	GGGG			45	31
11745W	4148N	5744-16515	00000/0000	1-10058/0066	05/02/77	10	4319	44.4	111.6	GGG			45	31
11745W	4147N	5495-17135	00000/0000	1-10052/0776	08/26/76	10	0847	43.1	120.9	FGGG			46	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

PAGE 0233

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL	MSS	MSS	ORBIT	FRAME
										123 45678	DATA MODE	IMAGE GAIN	PATH NUM.	ROW NUM.
11745W	4146N	5513-17122	00000/0000	1-10053/0402	09/13/76	70	1098	38.7	127.4	GGGG			45	31
11745W	3726N	5512-17075	00000/0000	1-10053/0387	09/12/76	20	1084	40.7	123.0	GGGG			44	34
11746W	3732N	5476-17105	00000/0000	1-10052/0340	08/07/76	0	0582	47.9	108.9	GGGG			44	34
11746W	3731N	5743-16473	00000/0000	1-10058/0078	05/01/77	20	4305	44.5	106.9	GGF			44	34
11747W	4856N	5497-17230	00000/0000	1-10053/0075	08/28/76	50	0875	39.8	129.2	GGGG			47	26
11748W	4849N	5533-17200	00000/0000	1-10054/0192	10/03/76	70	1377	28.9	139.3	GGGF			47	26
11748W	4147N	5726-16533	00000/0000	1-10057/0096	04/14/77	10	4068	39.6	116.7	FGG			46	31
11748W	3731N	5761-16455	00000/0000	1-10059/0019	05/19/77	10	4556	47.0	101.3	GGG			44	34
11749W	3733N	5725-16491	00000/0000	1-10057/0051	04/13/77	50	4054	40.3	112.7	GGG			44	34
11749W	3725N	5815-16403	00000/0000	1-10060/0578	07/12/77	0	5309	45.0	96.0	GGG			44	34
11750W	4852N	5764-16593	00000/0000	1-10059/0033	05/22/77	10	4598	46.1	115.1	GGG			47	26
11750W	4142N	5798-16464	00000/0000	1-10060/0196	06/25/77	0	5072	47.2	100.4	GGG			46	31
11750W	4139N	5816-16445	00000/0000	1-10060/0693	07/13/77	10	5323	45.4	101.2	GGG			45	31
11750W	3726N	5779-16441	00000/0000	1-10059/0430	06/06/77	50	4807	47.8	96.9	PGF			44	34
11751W	4855N	5728-17024	00000/0000	1-10057/0063	04/16/77	60	4096	38.0	123.5	GGG			47	26
11752W	3728N	5797-16422	00000/0000	1-10060/0218	06/24/77	20	5058	47.0	95.0	GGG			44	34
11753W	4854N	5461-17260	00000/0000	1-10052/0052	07/23/76	10	0373	48.2	120.2	GGGG			47	26
11757W	4846N	5782-16575	00000/0000	1-10060/0002	06/09/77	10	4849	47.4	111.5	GGG			47	26
11801W	3143N	5670-16500	00000/0000	1-10055/0233	02/17/77	90	3287	26.1	124.8	GGGG			43	38
11803W	4434N	5655-17045	00000/0000	1-10055/0138	02/02/77	20	3078	16.2	135.0	GGGG			46	29
11803W	3148N	5475-17065	00000/0000	1-10052/0299	08/06/76	70	0568	48.5	101.3	GGGG			43	38
11803W	3143N	5529-17023	00000/0000	1-10054/0096	09/29/76	50	1321	38.0	124.6	GGGG			43	38
11804W	3146N	5511-17035	00000/0000	1-10053/0421	09/11/76	80	1070	42.0	116.9	GGGG			43	38
11805W	4436N	5514-17171	00000/0000	1-10053/0436	09/14/76	80	1112	37.1	130.4	FGFG			46	29
11806W	4439N	5496-17184	00000/0000	1-10053/0054	08/27/76	0	0861	41.9	124.3	GGGG			46	29
11807W	4441N	5478-17201	00000/0000	1-10052/0385	08/09/76	40	0610	46.0	118.6	GGGG			46	29
11808W	4439N	5727-16582	00000/0000	1-10057/0085	04/15/77	50	4082	39.0	119.4	GGG			46	29
11808W	4020N	5654-17002	00000/0000	1-10055/0126	02/01/77	30	3064	18.3	133.2	GGGG			48	32
11808W	3145N	5778-16401	00000/0000	1-10059/0394	06/05/77	90	4793	47.0	90.1	FGG			43	38
11809W	3600N	5548-17052	00000/0000	1-10054/0461	10/18/76	10	1586	31.0	134.4	GGGG			44	35
11810W	3601N	5671-16542	00000/0000	1-10055/0243	02/18/77	0	3301	24.5	126.9	GGGG			44	35
11811W	4016N	5672-16585	00000/0000	1-10055/0308	02/19/77	0	3315	22.8	129.1	GGGG			45	32
11812W	3601N	5512-17082	00000/0000	1-10053/0388	09/12/76	20	1084	41.2	121.6	GGGG			44	35
11812W	3601N	5530-17065	00000/0000	1-10054/0081	09/30/76	70	1335	36.8	128.6	GGGG			44	35
11813W	4433N	5799-16513	00000/0000	1-10060/0233	06/26/77	10	5086	47.2	104.1	GFF			46	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0234

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS						123	45678				
11813W	4433N	5817-16494	1-10060/0682	07/14/77	0	5337	45.2	104.9		GGG			46	29
11813W	4017N	5531-17111	1-10054/0177	10/01/76	90	1349	34.3	132.4		GGGG			45	32
11813W	3605N	5476-17112	1-10052/0341	08/07/76	0	0582	48.1	107.1		GGGG			44	35
11813W	3605N	5494-17095	1-10052/0756	08/25/76	20	0833	45.0	114.1		GGGG			44	35
11813W	3605N	5743-16475	1-10058/0079	05/01/77	20	4305	44.6	105.3		GGF			44	35
11814W	3608N	5725-16493	1-10057/0052	04/13/77	30	4054	40.6	111.3		GGG			44	35
11815W	4025N	5477-17154	1-10052/0362	08/08/76	10	0596	47.3	112.9		GGGG			45	32
11815W	4022N	5744-16522	1-10058/0067	05/02/77	10	4319	44.3	109.9		GGG			45	32
11815W	4021N	5495-17141	1-10052/0777	08/26/76	10	0847	43.6	119.3		GGGP			45	32
11815W	4021N	5513-17124	1-10053/0403	09/13/76	20	1098	39.8	126.1		GGGG			45	32
11815W	3605N	5761-16461	1-10059/0020	05/19/77	20	4556	47.0	99.5		GGG			44	35
11817W	4022N	5726-16540	1-10057/0097	04/14/77	10	4068	39.9	115.3		GGG			45	32
11817W	3601N	5779-16443	1-10059/0431	06/06/77	50	4807	47.6	95.1		GGG			44	35
11817W	3559N	5815-16405	1-10060/0579	07/12/77	10	5309	45.1	94.3		GGG			44	35
11818W	4727N	5656-17093	1-10055/0148	02/03/77	90	3092	14.5	136.1		GGGG			47	27
11819W	4014N	5816-16452	1-10060/0694	07/13/77	0	5323	45.3	99.5		GGG			45	32
11819W	3602N	5797-16424	1-10060/0219	06/24/77	10	5058	46.8	93.2		GGF			44	35
11820W	4017N	5798-16471	1-10060/0197	06/25/77	10	5072	47.2	98.6		FGG			45	32
11824W	4731N	5497-17233	1-10053/0076	08/28/76	10	0875	40.5	127.7		FGGG			47	27
11824W	4724N	5533-17203	1-10054/0193	10/03/76	70	1377	29.8	138.3		GGG			47	27
11827W	4729N	5728-17031	1-10057/0064	04/16/77	20	4096	38.5	122.0		GGG			47	27
11828W	4729N	5461-17263	1-10052/0053	07/23/76	10	0373	48.6	118.3		GGGG			47	27
11828W	4727N	5764-16595	1-10059/0034	05/22/77	10	4598	46.8	113.2		GGG			47	27
11832W	4723N	5818-16543	1-10060/0674	07/15/77	10	5351	44.8	108.5		GGG			47	27
11833W	4723N	5800-16562	1-10060/0152	06/27/77	10	5100	46.8	107.9		GGG			47	27
11833W	4721N	5782-16581	1-10060/0003	06/09/77	0	4849	47.6	109.5		GGG			47	27
11835W	4309N	5655-17051	1-10055/0139	02/02/77	20	3078	17.0	134.3		GGGG			46	30
11836W	3854N	5654-17005	1-10055/0127	02/01/77	30	3064	19.1	132.5		GGGG			45	33
11836W	3435N	5671-16545	1-10055/0244	02/18/77	20	3301	25.1	126.1		GGGG			44	36
11836W	3434N	5548-17055	1-10054/0462	10/18/76	40	1586	32.7	133.5		GGGG			44	36
11838W	4311N	5514-17173	1-10053/0437	09/14/76	90	1112	37.7	129.1		FGGG			46	30
11838W	3439N	5476-17114	1-10052/0342	08/07/76	10	0582	48.3	105.3		GGGG			44	36
11838W	3436N	5512-17084	1-10053/0389	09/12/76	40	1084	41.7	120.2		GGGG			44	36
11839W	4314N	5496-17190	1-10053/0055	08/27/76	0	0861	42.4	122.8		GGGG			46	30
11839W	3851N	5672-16591	1-10055/0309	02/19/77	10	3315	23.5	128.3		GG G			45	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0235

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
11839W	3439N	5494-17101	00000/0000	1-10052/0757	08/25/76	10	0833	45.3	112.4	GGGG			44	36
11839W	3436N	5530-17072	00000/0000	1-10054/0082	09/30/76	50	1335	37.4	127.5	GGGG			44	36
11840W	4316N	5478-17203	00000/0000	1-10052/0386	08/09/76	30	0610	46.4	116.8	GGGG			46	30
11840W	4314N	5727-16585	00000/0000	1-10057/0086	04/15/77	20	4082	39.5	117.9	GGG			46	30
11842W	3852N	5531-17114	00000/0000	1-10054/0178	10/01/76	80	1349	35.1	131.3	GGGG			45	33
11842W	3439N	5761-16464	00000/0000	1-10059/0021	05/19/77	20	4556	46.9	97.8	GGG			44	36
11843W	3435N	5779-16450	00000/0000	1-10059/0432	06/06/77	60	4807	47.5	93.4	GGG			44	36
11844W	3859N	5477-17161	00000/0000	1-10052/0363	08/08/76	10	0596	47.5	111.1	GGG			45	33
11844W	3857N	5744-16524	00000/0000	1-10058/0068	05/02/77	20	4319	44.5	108.2	GGG			45	33
11844W	3856N	5495-17144	00000/0000	1-10052/0778	08/26/76	0	0847	44.0	117.7	GGGG			45	33
11844W	3855N	5513-17131	00000/0000	1-10053/0404	09/13/76	10	1098	39.8	124.7	GGGG			48	33
11845W	4308N	5799-16520	00000/0000	1-10060/0234	06/26/77	0	5086	47.2	102.2	GGG			46	30
11845W	4307N	5817-16500	00000/0000	1-10060/0683	07/14/77	0	5337	45.2	103.1	PGG			46	30
11845W	3436N	5797-16431	00000/0000	1-10060/0220	06/24/77	30	5058	46.6	91.5	GGG			44	36
11846W	3856N	5726-16542	00000/0000	1-10057/0098	04/14/77	20	4068	40.2	113.8	GGG			45	33
11847W	3856N	5762-16510	00000/0000	1-10059/0023	05/20/77	10	4570	47.3	102.8	GGG			45	33
11847W	3849N	5816-16454	00000/0000	1-10060/0695	07/13/77	0	5323	45.3	97.8	GGG			45	33
11850W	3851N	5798-16473	00000/0000	1-10060/0198	06/25/77	10	5072	47.1	96.8	GGG			45	33
11853W	4601N	5656-17100	00000/0000	1-10055/0149	02/03/77	80	3092	15.7	135.4	GGGG			47	28
11859W	4606N	5497-17235	00000/0000	1-10053/0077	08/28/76	0	0875	41.0	126.2	GGGG			47	28
11859W	4605N	5479-17252	00000/0000	1-10052/0428	08/10/76	10	0624	45.4	120.7	GGGG			47	28
11859W	4559N	5533-17205	00000/0000	1-10054/0194	10/03/76	40	1377	30.6	137.3	GGGP			47	28
11901W	4604N	5728-17033	00000/0000	1-10057/0065	04/16/77	20	4096	38.8	120.5	GGG			47	28
11901W	3309N	5671-16551	00000/0000	1-10055/0245	02/18/77	90	3301	25.7	125.3	GGGG			44	37
11902W	4603N	5461-17265	00000/0000	1-10052/0054	07/23/76	30	0373	49.0	116.3	GGGG			47	28
11902W	3308N	5548-17061	00000/0000	1-10054/0463	10/18/76	60	1586	33.5	132.5	GGGG			44	37
11903W	3313N	5476-17121	00000/0000	1-10052/0343	08/07/76	10	0582	48.2	103.5	GGGG			44	37
11903W	3311N	5512-17091	00000/0000	1-10053/0390	09/12/76	50	1084	42.2	118.7	GGGG			44	37
11904W	4601N	5764-17002	00000/0000	1-10059/0035	05/22/77	10	4598	46.6	111.4	GGG			47	28
11904W	3728N	5654-17011	00000/0000	1-10055/0128	02/01/77	40	3064	19.8	131.9	GGGG			45	34
11905W	3313N	5494-17104	00000/0000	1-10052/0758	08/25/76	70	0833	45.6	110.8	GGGG			44	37
11905W	3311N	5530-17074	00000/0000	1-10054/0083	09/30/76	20	1335	38.1	126.3	GGFG			44	37
11906W	4144N	5655-17054	00000/0000	1-10055/0140	02/02/77	10	3078	17.8	133.6	GGGG			46	31
11907W	4852N	5657-17145	00000/0000	1-10055/0170	02/04/77	70	3146	14.3	136.6	GFGG			48	26
11907W	4559N	5818-16545	00000/0000	1-10060/0675	07/15/77	10	5351	45.0	106.8	GGG			47	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0236

PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
11907W	4558N	5800-16564	00000/0000	1-10060/0153	06/27/77	10	5100	47.0	106.0		GGG		47	28
11907W	3726N	5672-16594	00000/0000	1-10055/0310	02/19/77	20	3315	24.2	127.5		GGGG		45	34
11907W	3313N	5761-16470	00000/0000	1-10059/0022	05/19/77	40	4556	46.8	96.0		GGF		44	37
11908W	4555N	5782-16584	00000/0000	1-10060/0004	06/09/77	10	4849	47.7	107.6		GGG		47	28
11909W	3309N	5779-16452	00000/0000	1-10059/0433	06/06/77	80	4807	47.8	91.6		FFG		44	37
11910W	4146N	5514-17180	00000/0000	1-10053/0438	09/14/76	90	1112	38.4	127.8		GGGG		46	31
11911W	4151N	5478-17210	00000/0000	1-10052/0387	08/09/76	20	0610	46.8	115.0		GGGG		46	31
11911W	4149N	5727-16591	00000/0000	1-10057/0087	04/15/77	10	4082	39.8	116.5		GGG		46	31
11911W	4148N	5496-17193	00000/0000	1-10053/0056	08/27/76	0	0861	42.9	121.2		GGGG		46	31
11911W	3728N	5513-17133	00000/0000	1-10053/0405	09/13/76	10	1098	40.4	123.4		GGGG		45	34
11911W	3310N	5797-16433	00000/0000	1-10060/0221	06/24/77	100	5058	46.4	89.8		GGG		44	37
11912W	3731N	5495-17150	00000/0000	1-10052/0779	08/26/76	0	0847	44.4	116.1		GGGG		45	34
11912W	3731N	5744-16531	00000/0000	1-10058/0069	05/02/77	10	4319	44.7	106.6		GFG		43	34
11913W	4852N	5516-17271	00000/0000	1-10053/0464	09/16/76	10	1140	34.2	134.8		GGGG		48	26
11913W	3734N	5477-17163	00000/0000	1-10052/0364	08/08/76	0	0596	47.8	109.3		GGGG		45	34
11913W	3730N	5726-16545	00000/0000	1-10057/0099	04/14/77	10	4068	40.5	112.4		GGG		45	34
11914W	4850N	5534-17254	00000/0000	1-10054/0179	10/04/76	80	1391	28.6	139.6		GGGG		48	26
11915W	4146N	5763-16555	00000/0000	1-10059/0030	05/21/77	50	4584	47.8	106.1		G		46	31
11915W	4142N	5817-16503	00000/0000	1-10060/0684	07/14/77	0	5337	45.2	101.4		GGG		46	31
11915W	3730N	5762-16513	00000/0000	1-10059/0024	05/20/77	10	4570	47.2	101.0		GGG		45	34
11915W	3725N	5816-16461	00000/0000	1-10060/0696	07/13/77	0	5323	45.2	96.1		GGG		45	34
11917W	4854N	5462-17314	00000/0000	1-10052/0137	07/24/76	60	0387	48.0	120.4		GGGG		48	26
11917W	4143N	5799-16522	00000/0000	1-10060/0235	06/26/77	0	5086	47.2	100.4		GGG		46	31
11919W	3726N	5798-16480	00000/0000	1-10060/0199	06/25/77	10	5072	47.0	95.0		GGG		45	34
11920W	4850N	5783-17032	00000/0000	1-10059/0569	06/10/77	10	4863	47.4	111.4		GGG		48	26
11921W	4847N	5819-16594	00000/0000	1-10060/0737	07/16/77	60	5365	44.5	110.5		GGG		48	26
11923W	4849N	5801-17013	00000/0000	1-10060/0222	06/28/77	90	5114	46.7	109.7		FGG		48	26
11927W	4435N	5656-17102	00000/0000	1-10055/0150	02/03/77	30	3092	16.4	134.7		GGGG		47	29
11932W	4441N	5479-17255	00000/0000	1-10052/0429	08/10/76	10	0624	45.8	118.9		GGGG		47	29
11932W	4438N	5515-17225	00000/0000	1-10053/0456	09/15/76	50	1126	36.8	130.7		GGGG		47	29
11932W	4434N	5533-17212	00000/0000	1-10054/0195	10/03/76	40	1377	31.8	136.2		GGGP		47	29
11932W	3602N	5654-17014	00000/0000	1-10055/0129	02/01/77	70	3064	20.6	131.2		GGGG		45	35
11933W	4441N	5497-17242	00000/0000	1-10053/0078	08/28/76	0	0875	41.6	124.7		GGGG		47	29
11935W	4439N	5728-17040	00000/0000	1-10057/0066	04/16/77	50	4096	39.8	119.1		GGG		47	29
11935W	3600N	5672-17000	00000/0000	1-10055/0311	02/19/77	30	3315	24.7	126.7		GGGG		45	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0237

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
11936W	4437N	5461-17272	00000/0000	1-10052/0055	07/23/76	40	0373	49.3	114.4	GGGG			47	29
11936W	4019N	5655-17060	00000/0000	1-10055/0141	02/02/77	0	3078	18.5	133.0	GGGG			46	32
11938W	4435N	5764-17004	00000/0000	1-10059/0036	05/22/77	20	4598	46.8	109.5	GGG			47	29
11938W	3602N	5513-17140	00000/0000	1-10053/0406	09/13/76	20	1098	41.0	122.0	GGGG			48	35
11939W	4433N	5800-16571	00000/0000	1-10060/0154	06/27/77	10	5100	47.1	104.1	GGG			47	29
11939W	3605N	5495-17153	00000/0000	1-10052/0780	08/26/76	0	0847	44.8	114.5	GGGG			45	35
11939W	3605N	5744-16533	00000/0000	1-10058/0070	05/02/77	30	4319	44.8	104.9	GGG			45	35
11940W	4434N	5818-16552	00000/0000	1-10060/0676	07/15/77	0	5351	45.0	105.0	GGG			47	29
11940W	4020N	5514-17182	00000/0000	1-10053/0439	09/14/76	80	1112	39.0	126.5	GGGG			46	32
11940W	3608N	5477-17170	00000/0000	1-10052/0365	08/08/76	0	0596	48.0	107.5	GGGG			48	35
11940W	3604N	5726-16551	00000/0000	1-10057/0100	04/14/77	0	4068	40.8	111.0	GGG			45	35
11941W	4430N	5782-16590	00000/0000	1-10060/0005	06/09/77	10	4849	47.8	105.7	GGG			47	29
11941W	4026N	5478-17212	00000/0000	1-10052/0388	08/09/76	10	0610	47.1	113.3	GGGG			46	32
11942W	4024N	5727-16594	00000/0000	1-10057/0088	04/15/77	0	4082	40.2	115.0	GGG			46	32
11942W	4023N	5496-17195	00000/0000	1-10053/0057	08/27/76	0	0861	43.4	119.7	GGGG			46	32
11942W	3605N	5762-16515	00000/0000	1-10059/0025	05/20/77	0	4570	47.1	99.2	GGG			45	35
11943W	3600N	5816-16463	00000/0000	1-10060/0697	07/13/77	10	5323	45.0	94.5	GGG			45	35
11944W	4727N	5657-17151	00000/0000	1-10055/0171	02/04/77	90	3146	15.1	135.9	GFGG			48	27
11944W	4021N	5763-16562	00000/0000	1-10059/0031	05/21/77	20	4584	47.2	104.3	GG			46	32
11944W	4016N	5817-16505	00000/0000	1-10060/0685	07/14/77	0	5337	45.2	99.6	GGG			46	32
11946W	3601N	5798-16482	00000/0000	1-10060/0200	06/25/77	20	5072	46.8	93.2	GGG			45	35
11947W	4018N	5799-16525	00000/0000	1-10060/0236	06/26/77	0	5086	47.1	98.6	GGG			46	32
11949W	4726N	5516-17274	00000/0000	1-10053/0465	09/16/76	50	1140	35.2	133.5	GGGG			48	27
11950W	4725N	5534-17261	00000/0000	1-10054/0180	10/04/76	10	1391	29.4	138.6	GGGG			48	27
11951W	4729N	5498-17291	00000/0000	1-10053/0086	08/29/76	10	0889	40.2	127.9	GGGG			48	27
11953W	4729N	5462-17320	00000/0000	1-10052/0138	07/24/76	70	0387	48.4	118.5	GGGG			48	27
11957W	4723N	5783-17035	00000/0000	1-10059/0570	06/10/77	0	4863	47.6	109.5	GGG			48	27
11957W	4722N	5819-17001	00000/0000	1-10060/0738	07/16/77	40	5365	44.7	108.7	GGG			48	27
11958W	3436N	5654-17020	00000/0000	1-10055/0130	02/01/77	80	3064	21.3	130.5	GGGG			45	36
11959W	4725N	5801-17020	00000/0000	1-10060/0223	06/28/77	50	5114	46.8	107.8	GGG			48	27
11959W	4309N	5656-17105	00000/0000	1-10055/0151	02/03/77	0	3092	17.2	134.1	GGGG			47	30
12001W	3434N	5672-17003	00000/0000	1-10055/0312	02/19/77	50	3315	25.4	125.9	GGGG			45	36
12003W	4312N	5515-17231	00000/0000	1-10053/0457	09/15/76	90	1126	37.4	129.4	GGGG			47	30
12004W	4316N	5479-17261	00000/0000	1-10052/0430	08/10/76	0	0624	46.2	117.1	GGGG			47	30
12004W	4309N	5533-17214	00000/0000	1-10054/0196	10/03/76	20	1377	32.2	135.2	GGGP			47	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, '77

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0238

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
										RBV	MSS				
12004W	3435N	5513-17142	00000/0000	1-10053/0407	09/13/76	30	1098	41.5	120.6	GGGG				45	36
12005W	4316N	5497-17244	00000/0000	1-10053/0079	08/28/76	0	0875	42.2	123.2	GGGG				47	30
12005W	3855N	5655-17063	00000/0000	1-10055/0142	02/02/77	10	3078	19.3	132.3	FGGG				46	33
12006W	3443N	5477-17172	00000/0000	1-10052/0366	08/08/76	20	0596	48.1	105.7	GGGG				45	36
12006W	3439N	5495-17155	00000/0000	1-10052/0781	08/26/76	10	0847	45.1	112.9	GGGG				45	36
12007W	4314N	5728-17042	00000/0000	1-10057/0067	04/16/77	40	4096	39.7	117.6	GGG				47	30
12008W	4312N	5461-17274	00000/0000	1-10052/0056	07/23/76	90	0373	49.6	112.4	GGGG				47	30
12008W	3440N	5762-16522	00000/0000	1-10059/0026	05/20/77	10	4570	47.0	97.5	GGG				45	36
12008W	3435N	5816-16470	00000/0000	1-10060/0698	07/13/77	60	5323	44.8	92.8	GGG				45	36
12010W	4309N	5764-17011	00000/0000	1-10059/0037	05/22/77	40	4598	47.0	107.7	GGG				47	30
12010W	3900N	5478-17215	00000/0000	1-10052/0389	08/09/76	10	0610	47.4	111.5	GGGG				46	33
12010W	3854N	5514-17185	00000/0000	1-10053/0440	09/14/76	70	1112	39.6	125.1	GGGG				46	33
12011W	4308N	5800-16573	00000/0000	1-10060/0155	08/27/77	10	5100	47.1	102.2	GGG				47	30
12011W	3859N	5496-17202	00000/0000	1-10053/0058	08/27/76	0	0861	43.8	118.1	GGGG				46	33
12011W	3859N	5727-17000	00000/0000	1-10057/0089	04/15/77	0	4082	40.5	113.6	GGG				46	33
12012W	4309N	5818-16554	00000/0000	1-10060/0677	07/15/77	0	5351	45.1	103.2	GGG				47	30
12012W	4305N	5782-16593	00000/0000	1-10060/0006	06/09/77	60	4849	47.5	103.8	GGG				47	30
12012W	3856N	5745-16582	00000/0000	1-10058/0081	05/03/77	60	4333	44.7	107.9	GGG				46	33
12012W	3855N	5763-16564	00000/0000	1-10059/0032	05/21/77	10	4584	47.2	102.5	GF				46	33
12013W	3850N	5817-16512	00000/0000	1-10060/0686	07/14/77	0	5337	45.1	97.9	GGG				46	33
12013W	3436N	5798-16485	00000/0000	1-10060/0201	06/25/77	60	5072	46.6	91.5	GGG				45	36
12016W	3854N	5799-16531	00000/0000	1-10060/0237	06/26/77	10	5086	47.0	96.8	GGG				46	33
12019W	4601N	5657-17154	00000/0000	1-10055/0172	02/04/77	70	3146	15.8	135.2	FFGG				48	28
12023W	4600N	5516-17280	00000/0000	1-10053/0466	09/16/76	30	1140	35.8	132.3	GGGG				48	28
12024W	4600N	5534-17263	00000/0000	1-10054/0181	10/04/76	10	1391	30.8	137.5	GGGG				48	28
12024W	3310N	5654-17023	00000/0000	1-10055/0131	02/01/77	90	3064	22.0	129.8	GGGG				45	37
12026W	4603N	5480-17310	00000/0000	1-10052/0420	08/11/76	10	0638	45.2	120.9	GGGG				48	28
12026W	4603N	5498-17293	00000/0000	1-10053/0087	08/29/76	10	0889	40.8	126.5	GGGG				48	28
12028W	4604N	5462-17323	00000/0000	1-10052/0139	07/24/76	30	0387	48.8	116.5	GGGG				48	28
12029W	3309N	5513-17145	00000/0000	1-10053/0408	09/13/76	70	1098	41.9	119.2	GGGG				45	37
12031W	4144N	5656-17111	00000/0000	1-10055/0152	02/03/77	0	3092	18.0	133.4	GGGG				47	31
12031W	3316N	5477-17175	00000/0000	1-10052/0367	08/08/76	90	0596	48.2	103.9	GGGG				45	37
12032W	4558N	5819-17003	00000/0000	1-10060/0739	07/16/77	10	5365	44.8	106.9	GGG				48	28
12032W	4557N	5783-17041	00000/0000	1-10059/0571	06/10/77	10	4863	47.7	107.5	GGG				48	28
12033W	3729N	5655-17065	00000/0000	1-10055/0143	02/02/77	60	3078	20.0	131.6	GGGG				46	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0239

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV MSS 123 45678				
12034W	4600N	5801-17022	1-10060/0224	06/28/77	10	5114	46.9	105.9	GGG			48	28
12034W	4146N	5515-17234	1-10053/0458	09/15/76	90	1126	38.1	128.2	GGGG			47	31
12035W	4151N	5479-17264	1-10052/0431	08/10/76	0	0624	46.6	115.4	GFGG			47	31
12035W	4144N	5533-17221	1-10054/0197	10/03/76	10	1377	33.0	134.1	GGGF			47	31
12037W	4152N	5497-17251	1-10053/0080	08/28/76	0	0875	42.7	121.6	GGGG			47	31
12038W	4149N	5728-17045	1-10057/0068	04/16/77	40	4096	40.2	116.2	GGG			47	31
12038W	4147N	5461-17281	1-10052/0057	07/23/76	90	0373	49.8	110.4	GGGG			47	31
12038W	3729N	5514-17191	1-10053/0441	09/14/76	10	1112	40.2	123.8	GGGG			46	34
12038W	3311N	5798-16491	1-10060/0202	06/25/77	100	5072	46.3	89.8	FFG			45	37
12039W	3735N	5478-17221	1-10052/0382	08/09/76	0	0610	47.6	109.7	GGG			46	34
12039W	3734N	5496-17204	1-10053/0059	08/27/76	0	0861	44.2	116.5	GGGG			46	34
12039W	3733N	5727-17003	1-10057/0090	04/15/77	0	4082	40.2	112.1	GGG			46	34
12040W	3730N	5745-16585	1-10058/0082	05/03/77	30	4333	44.8	106.2	GGG			46	34
12040W	3729N	5763-16571	1-10059/0027	05/21/77	10	4584	47.2	100.7	FFG			46	34
12041W	4143N	5764-17013	1-10059/0038	05/22/77	70	4598	47.2	105.8	GGG			47	31
12041W	3725N	5817-16514	1-10060/0687	07/14/77	10	5337	45.0	96.3	GGG			46	34
12042W	4143N	5800-16580	1-10060/0156	06/27/77	0	5100	47.1	100.4	GGG			47	31
12042W	4139N	5782-16595	1-10060/0007	06/09/77	90	4849	47.0	101.9	GGG			47	31
12043W	4144N	5818-16561	1-10060/0678	07/15/77	0	5351	45.2	101.5	GGG			47	31
12044W	4854N	5730-17140	1-10057/0102	04/18/77	70	4124	38.6	123.0	GGG			49	26
12044W	4852N	5463-17372	1-10052/0063	07/25/76	0	0401	47.8	120.5	GGGG			49	26
12045W	3729N	5799-16534	1-10060/0238	06/26/77	10	5086	46.8	95.0	GGG			46	34
12046W	4849N	5784-17090	1-10059/0578	06/11/77	10	4877	47.4	111.3	GGG			49	26
12047W	4848N	5802-17071	1-10060/0241	06/29/77	60	5128	46.6	109.7	GGG			49	26
12047W	4847N	5820-17052	1-10060/0759	07/17/77	60	5379	44.4	110.6	GGF			49	26
12053W	4436N	5657-17160	1-10055/0173	02/04/77	20	3146	16.7	134.5	GFGG			48	29
12058W	4434N	5534-17270	1-10054/0182	10/04/76	10	1391	31.2	136.5	GGGG			48	29
12059W	4439N	5480-17313	1-10052/0421	08/11/76	10	0638	45.6	119.2	GGGG			48	29
12059W	4438N	5498-17300	1-10053/0088	08/29/76	10	0889	41.4	125.0	GGGG			48	29
12100W	3603N	5655-17072	1-10055/0144	02/02/77	50	3078	20.7	130.9	GGGG			46	35
12101W	4439N	5462-17325	1-10052/0140	07/24/76	10	0387	49.2	114.6	GGGF			48	29
12101W	4019N	5656-17114	1-10055/0153	02/03/77	10	3092	18.7	132.7	GGGG			47	32
12104W	4021N	5515-17240	1-10053/0459	09/15/76	70	1126	38.7	126.9	GGGG			47	32
12105W	4433N	5819-17010	1-10060/0740	07/16/77	10	5365	44.9	105.1	GGG			48	29
12105W	4432N	5783-17044	1-10059/0572	06/10/77	10	4863	47.2	105.6	GGG			48	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
12105W	4018N	5533-17223	1-10054/0198	10/03/76	10	1377	33.8	133.0		GGGF			47	32
12105W	3603N	5514-17194	1-10053/0442	09/14/76	10	1112	40.7	122.4		GGGG			46	35
12106W	4434N	5801-17025	1-10060/0225	06/28/77	0	5114	47.0	104.1		FGG			48	29
12106W	4026N	5479-17270	1-10052/0432	08/10/76	10	0624	46.9	113.6		GGGG			47	32
12106W	4026N	5497-17253	1-10053/0081	08/28/76	0	0875	43.3	120.1		GGGG			47	32
12106W	3610N	5478-17224	1-10052/0390	08/09/76	30	0610	47.8	107.9		GGGG			46	35
12106W	3608N	5496-17211	1-10053/0060	08/27/76	10	0861	44.6	114.9		GGGG			46	35
12108W	4023N	5728-17051	1-10057/0069	04/16/77	20	4096	40.5	114.7		GGG			47	32
12108W	4022N	5461-17283	1-10052/0058	07/23/76	50	0373	50.0	108.4		FGGG			47	32
12108W	3603N	5763-16573	1-10059/0028	05/21/77	20	4584	47.2	98.9		FGG			46	35
12108W	3601N	5817-16521	1-10060/0688	07/14/77	50	5337	44.0	94.6		GGG			46	35
12110W	4018N	5764-17020	1-10059/0039	05/22/77	70	4598	47.2	104.0		GGG			47	32
12111W	3603N	5799-16540	1-10060/0239	06/26/77	50	5086	46.7	93.2		GFQ			46	35
12112W	4018N	5800-16582	1-10060/0157	06/27/77	10	5100	47.6	98.6		GGG			47	32
12112W	4018N	5818-16563	1-10060/0679	07/15/77	0	5351	45.1	99.8		FFF			47	32
12112W	4014N	5782-17002	1-10060/0008	06/09/77	90	4849	47.9	100.0		GGG			47	32
12120W	4727N	5463-17374	1-10052/0064	07/25/76	0	0401	48.2	118.6		GGGG			49	27
12121W	4729N	5730-17143	1-10057/0103	04/18/77	40	4124	39.1	121.5		GGG			49	27
12122W	4725N	5784-17093	1-10059/0579	06/11/77	50	4877	47.6	109.3		GGG			49	27
12123W	4723N	5802-17073	1-10060/0242	06/29/77	40	5128	46.8	107.8		GGG			49	27
12123W	4722N	5820-17054	1-10060/0760	07/17/77	80	5379	44.5	108.8		GG			49	27
12126W	4311N	5657-17163	1-10055/0174	02/04/77	10	3146	17.8	133.9		GGGG			48	30
12127W	3437N	5655-17074	1-10055/0145	02/02/77	50	3078	21.5	130.3		GGGG			46	36
12130W	4309N	5534-17272	1-10054/0183	10/04/76	10	1391	31.0	135.5		GGGG			48	30
12130W	3853N	5656-17120	1-10055/0154	02/03/77	30	3092	19.5	132.1		FGGG			47	33
12130W	3437N	5514-17200	1-10053/0443	09/14/76	20	1112	41.2	121.1		GGGG			46	36
12131W	4314N	5480-17315	1-10052/0422	08/11/76	10	0638	46.0	117.4		GGGG			48	30
12131W	4313N	5498-17302	1-10053/0089	08/29/76	0	0889	41.9	123.5		GGGG			48	30
12132W	3442N	5496-17213	1-10053/0061	08/27/76	10	0861	44.9	113.3		GGFG			46	36
12133W	4314N	5462-17332	1-10052/0141	07/24/76	10	0387	49.8	112.6		GGGG			48	30
12133W	3855N	5515-17243	1-10053/0460	09/15/76	20	1126	39.3	125.5		GGGG			47	33
12133W	3444N	5478-17230	1-10052/0391	08/09/76	90	0610	47.0	106.1		GGGG			46	36
12134W	3853N	5533-17230	1-10054/0199	10/03/76	10	1377	34.5	131.9		GGGF			47	33
12134W	3437N	5763-16580	1-10059/0029	05/21/77	80	4584	47.1	97.2		GGG			46	36
12134W	3435N	5817-16523	1-10060/0689	07/14/77	90	5337	44.7	93.0		GGG			46	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0241

PRINCIPAL POINT OF IMAGE LONG	LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
			RBV	MSS						123	45678				
12135W	3901N	5479-17273	00000/0000	1-10052/0433	08/10/76	10	0624	47.2	111.8	GGGG				47	33
12135W	3859N	5497-17260	00000/0000	1-10053/0082	08/28/76	0	0875	43.6	118.5	GGGG				47	33
12136W	3857N	5728-17054	00000/0000	1-10057/0070	04/16/77	10	4096	40.8	113.3	GGG				47	33
12137W	4308N	5801-17031	00000/0000	1-10060/0226	06/28/77	0	5114	47.0	102.2	GGG				48	30
12137W	4308N	5819-17012	00000/0000	1-10060/0741	07/16/77	0	5365	45.0	103.4	GGG				48	30
12137W	4307N	5783-17050	00000/0000	1-10059/0573	06/10/77	30	4863	47.9	103.7	GGG				48	30
12137W	3857N	5461-17290	00000/0000	1-10052/0059	07/23/76	20	0373	50.8	106.5	GGGG				47	33
12138W	3436N	5799-16543	00000/0000	1-10060/0240	06/26/77	90	5086	46.8	91.5	GGG				46	36
12139W	3853N	5764-17022	00000/0000	1-10059/0040	05/22/77	90	4598	47.2	102.2	GGG				47	33
12140W	3852N	5818-16570	00000/0000	1-10060/0680	07/15/77	10	5351	45.0	98.1	GGG				47	33
12141W	3853N	5800-16585	00000/0000	1-10060/0158	06/27/77	10	5100	46.9	96.8	GGG				47	33
12141W	3848N	5782-17004	00000/0000	1-10060/0009	06/09/77	90	4849	47.8	98.2	GGG				47	33
12151W	4604N	5481-17364	00000/0000	1-10052/0452	08/12/76	20	0652	45.0	121.2	GGGG				49	28
12152W	3311N	5655-17081	00000/0000	1-10055/0146	02/02/77	70	3078	22.2	129.6	GGGG				46	37
12155W	4603N	5730-17145	00000/0000	1-10057/0104	04/18/77	50	4124	39.5	120.0	GGG				49	28
12155W	4602N	5463-17381	00000/0000	1-10052/0065	07/25/76	0	0401	48.6	116.7	GGGG				49	28
12156W	3311N	5514-17203	00000/0000	1-10053/0444	09/14/76	10	1112	41.7	119.7	GGGF				46	37
12157W	4559N	5784-17095	00000/0000	1-10059/0580	06/11/77	80	4877	47.3	107.4	GGG				49	28
12157W	4557N	5820-17061	00000/0000	1-10060/0761	07/17/77	80	5379	44.7	107.0	GGG				49	28
12157W	4145N	5657-17165	00000/0000	1-10055/0175	02/04/77	0	3146	18.2	133.2	FGGG				48	31
12157W	3315N	5496-17220	00000/0000	1-10053/0062	08/27/76	70	0861	45.2	111.7	GGGG				46	37
12158W	4558N	5802-17080	00000/0000	1-10060/0243	06/29/77	30	5128	46.9	105.9	FGG				49	28
12158W	3728N	5656-17123	00000/0000	1-10055/0155	02/03/77	40	3092	20.2	131.4	GGGG				47	34
12158W	3318N	5478-17233	00000/0000	1-10052/0392	08/09/76	100	0610	48.1	104.3	GGGG				46	37
12201W	4144N	5534-17275	00000/0000	1-10054/0184	10/04/76	0	1391	32.7	134.4	GGGG				48	31
12201W	3730N	5515-17245	00000/0000	1-10053/0461	09/15/76	30	1126	39.9	124.2	GGGG				47	34
12202W	4148N	5498-17305	00000/0000	1-10053/0090	08/29/76	0	0889	42.4	121.9	GGGG				48	31
12202W	3727N	5533-17232	00000/0000	1-10054/0200	10/03/76	10	1377	35.3	130.8	GGFF				47	34
12203W	4149N	5480-17322	00000/0000	1-10052/0423	08/11/76	10	0638	46.4	115.7	GGGG				48	31
12203W	3732N	5497-17262	00000/0000	1-10053/0083	08/28/76	20	0875	44.0	117.0	GGGG				47	34
12204W	3736N	5479-17275	00000/0000	1-10052/0434	08/10/76	40	0624	47.4	110.0	GGGG				47	34
12204W	3731N	5728-17060	00000/0000	1-10057/0071	04/16/77	10	4096	41.2	111.8	FGG				47	34
12205W	4856N	5500-17400	00000/0000	1-10053/0107	08/31/76	10	0917	39.0	130.1	GGGG				50	26
12205W	4148N	5462-17334	00000/0000	1-10052/0142	07/24/76	10	0387	49.6	110.7	GGGG				48	31
12205W	4147N	5729-17103	00000/0000	1-10057/0072	04/17/77	0	4110	40.4	115.9	GGG				48	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 1977

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0242

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
12206W	3732N	5461-17292	00000/0000	1-10052/0060	07/23/76	40	0373	50.8	104.5	GGGG			47	34
12207W	4142N	5783-17053	00000/0000	1-10059/0574	06/10/77	90	4863	47.9	101.8	GGG			48	31
12207W	4142N	5801-17034	00000/0000	1-10060/0227	06/28/77	10	5114	47.0	100.4	GGF			48	31
12207W	3728N	5764-17025	00000/0000	1-10059/0041	05/22/77	90	4598	47.2	100.4	GGG			47	34
12207W	3725N	5818-16572	00000/0000	1-10060/0681	07/15/77	50	5351	44.9	96.4	GGG			47	34
12208W	4143N	5819-17015	00000/0000	1-10060/0742	07/16/77	0	5365	45.0	101.7	GGG			48	31
12209W	3722N	5782-17011	00000/0000	1-10060/0010	06/09/77	90	4849	47.7	96.4	GGG			47	34
12210W	4854N	5749-17180	00000/0000	1-10058/0114	05/07/77	10	4389	43.6	118.7	GGG			50	26
12210W	3728N	5800-16591	00000/0000	1-10060/0159	06/27/77	40	5100	46.8	95.0	GGG			47	34
12224W	4439N	5481-17370	00000/0000	1-10052/0453	08/12/76	10	0652	45.4	119.5	GGGG			49	29
12225W	3604N	5656-17125	00000/0000	1-10055/0156	02/03/77	20	3092	20.9	130.7	GGGF			47	35
12227W	4020N	5657-17172	00000/0000	1-10055/0176	02/04/77	10	3146	18.9	132.5	GGFG			48	32
12228W	4437N	5463-17383	00000/0000	1-10052/0066	07/25/76	0	0401	48.8	114.7	GGGG			49	29
12228W	4437N	5730-17152	00000/0000	1-10057/0105	04/18/77	40	4124	39.9	118.6	GGG			49	29
12229W	3605N	5515-17252	00000/0000	1-10053/0462	09/15/76	50	1126	40.8	122.9	GGGG			47	35
12229W	3601N	5533-17235	00000/0000	1-10054/0201	10/03/76	30	1377	36.0	129.7	GGGG			47	35
12230W	4434N	5784-17102	00000/0000	1-10059/0581	06/11/77	90	4877	47.8	105.5	GGG			49	29
12230W	4434N	5802-17082	00000/0000	1-10060/0244	06/29/77	10	5128	46.9	104.1	FGG			49	29
12230W	4432N	5820-17063	00000/0000	1-10060/0762	07/17/77	60	5379	44.8	105.3	GG			49	29
12230W	4019N	5534-17281	00000/0000	1-10054/0185	10/04/76	0	1391	33.5	133.4	GGGG			48	32
12230W	3607N	5497-17265	00000/0000	1-10053/0084	08/28/76	90	0875	44.4	115.4	GGGG			47	35
12232W	4022N	5498-17311	00000/0000	1-10053/0091	08/29/76	0	0889	42.9	120.4	GGGG			48	32
12232W	3611N	5479-17282	00000/0000	1-10052/0435	08/10/76	90	0624	47.6	108.3	GGGG			47	35
12234W	4025N	5480-17324	00000/0000	1-10052/0424	08/11/76	10	0638	46.7	113.9	FFF			48	32
12234W	4023N	5462-17341	00000/0000	1-10052/0143	07/24/76	10	0387	49.8	108.7	GGGG			48	32
12234W	4022N	5729-17105	00000/0000	1-10057/0073	04/17/77	10	4110	40.7	114.4	GGG			48	32
12234W	3607N	5461-17295	00000/0000	1-10052/0061	07/23/76	90	0373	50.3	102.5	GGGG			47	35
12234W	3603N	5764-17031	00000/0000	1-10059/0042	05/22/77	90	4598	47.2	98.6	GGG			47	35
12236W	4018N	5783-17055	00000/0000	1-10059/0575	06/10/77	90	4863	47.8	100.0	GGG			48	32
12236W	3556N	5782-17013	00000/0000	1-10060/0011	06/09/77	100	4849	47.6	94.6	GGG			47	35
12237W	4017N	5819-17021	00000/0000	1-10060/0743	07/16/77	10	5365	44.9	99.9	GGG			48	32
12237W	4016N	5801-17040	00000/0000	1-10060/0228	06/28/77	10	5114	46.9	98.6	GGG			48	32
12237W	3603N	5800-16594	00000/0000	1-10060/0160	06/27/77	80	5100	46.6	93.3	GGF			47	35
12242W	4731N	5500-17402	00000/0000	1-10053/0108	08/31/76	30	0917	39.6	128.6	GGFG			50	27
12247W	4729N	5749-17183	00000/0000	1-10058/0115	05/07/77	10	4389	43.9	116.9	GGG			50	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0243

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
12252W	3438N	5656-17132	00000/0000	1-10055/0157	02/03/77	40	3092	21.7	130.0	GGGG			47	36
12255W	3435N	5533-17241	00000/0000	1-10054/0202	10/03/76	60	1377	36.7	128.6	GGFG			47	36
12256W	4313N	5481-17373	00000/0000	1-10052/0454	08/12/76	10	0652	45.0	117.7	GGGG			49	30
12256W	3855N	5657-17174	00000/0000	1-10055/0177	02/04/77	20	3146	19.7	131.8	FGG			48	33
12256W	3441N	5497-17271	00000/0000	1-10053/0085	08/28/76	100	0875	44.7	113.8	GGGG			47	36
12256W	3439N	5515-17254	00000/0000	1-10053/0463	09/15/76	40	1126	41.0	121.5	GGGG			47	36
12259W	4312N	5463-17390	00000/0000	1-10052/0067	07/25/76	10	0401	49.2	112.8	GGGG			49	30
12259W	3854N	5534-17284	00000/0000	1-10054/0186	10/04/76	10	1391	34.8	132.3	GGGG			48	33
12300W	4312N	5730-17154	00000/0000	1-10057/0106	04/18/77	10	4124	40.3	117.1	GGG			49	30
12300W	3441N	5461-17301	00000/0000	1-10052/0062	07/23/76	80	0373	50.3	100.6	GGGF			47	36
12301W	3857N	5498-17314	00000/0000	1-10053/0092	08/29/76	20	0889	43.4	118.9	GGGG			48	33
12301W	3437N	5764-17034	00000/0000	1-10059/0043	05/22/77	90	4598	47.1	96.8	GGG			47	36
12302W	4308N	5784-17104	00000/0000	1-10059/0582	06/11/77	90	4877	47.8	103.6	GGG			49	30
12302W	4308N	5802-17085	00000/0000	1-10060/0245	06/29/77	10	5128	46.9	102.2	FGG			49	30
12302W	4307N	5820-17070	00000/0000	1-10060/0763	07/17/77	30	5379	44.8	103.5	FG			49	30
12302W	3431N	5782-17020	00000/0000	1-10060/0012	06/09/77	100	4849	47.4	92.8	GGG			47	36
12303W	3859N	5480-17331	00000/0000	1-10052/0425	08/11/76	40	0638	47.0	112.1	GGG			48	33
12303W	3857N	5462-17343	00000/0000	1-10052/0144	07/24/76	30	0387	50.6	106.7	GGGG			48	33
12304W	3853N	5783-17062	00000/0000	1-10059/0576	06/10/77	90	4863	47.8	98.1	GGG			48	33
12305W	3851N	5819-17024	00000/0000	1-10060/0744	07/16/77	40	5365	44.9	98.3	GGG			48	33
12306W	3851N	5801-17043	00000/0000	1-10060/0229	06/28/77	50	5114	46.9	96.8	GGG			48	33
12317W	4605N	5500-17405	00000/0000	1-10053/0109	08/31/76	30	0917	40.3	127.1	GGGG			50	28
12325W	3729N	5657-17181	00000/0000	1-10055/0178	02/04/77	60	3146	20.4	131.2	FFGG			48	34
12326W	4150N	5499-17362	00000/0000	1-10053/0027	08/30/76	20	0903	42.2	122.3	GGGG			49	31
12327W	4149N	5481-17375	00000/0000	1-10052/0455	08/12/76	10	0652	46.2	116.0	GGGG			49	31
12327W	3728N	5534-17290	00000/0000	1-10054/0187	10/04/76	10	1391	35.0	131.2	GGGG			48	34
12329W	3731N	5498-17320	00000/0000	1-10053/0093	08/29/76	90	0889	43.8	117.3	GGGG			48	34
12330W	4146N	5463-17392	00000/0000	1-10052/0068	07/25/76	20	0401	49.5	110.8	GGGG			49	31
12331W	4147N	5730-17161	00000/0000	1-10057/0107	04/18/77	10	4124	40.7	115.6	GGG			49	31
12331W	3733N	5480-17333	00000/0000	1-10052/0426	08/11/76	90	0638	47.3	110.4	GGGG			48	34
12331W	3731N	5462-17350	00000/0000	1-10052/0145	07/24/76	90	0387	50.1	104.8	GGGG			48	34
12332W	3727N	5783-17064	00000/0000	1-10059/0577	06/10/77	100	4863	47.7	96.3	GGG			48	34
12333W	4853N	5501-17454	00000/0000	1-10053/0119	09/01/76	30	0931	38.7	130.3	GGGG			51	26
12333W	4143N	5784-17111	00000/0000	1-10059/0583	06/11/77	70	4877	47.9	101.7	GGG			49	31
12333W	4143N	5802-17091	00000/0000	1-10060/0246	06/29/77	0	5128	46.8	100.4	FGG			49	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0244

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
12333W	4142N	5820-17072	00000/0000	1-10060/0764	07/17/77	20	5379	44.8	101.8	GGF			49	31
12333W	3726N	5801-17045	00000/0000	1-10060/0230	06/28/77	90	5114	46.7	95.0	GGG			48	34
12335W	4855N	5750-17234	00000/0000	1-10058/0166	05/08/77	80	4403	43.8	118.5	GGG			51	26
12336W	4855N	5465-17484	00000/0000	1-10052/0147	07/27/76	10	0429	47.4	121.0	GGGG			51	26
12350W	4440N	5500-17411	00000/0000	1-10053/0110	08/31/76	40	0917	40.8	125.7	GGGG			50	29
12352W	3603N	5657-17189	00000/0000	1-10055/0179	02/04/77	80	3146	21.1	130.5	GFFF			48	35
12354W	3602N	5534-17293	00000/0000	1-10054/0188	10/04/76	30	1391	35.7	130.1	GGGG			48	35
12356W	4024N	5499-17365	00000/0000	1-10053/0028	08/30/76	30	0903	42.8	120.8	GFGG			49	32
12356W	3604N	5498-17323	00000/0000	1-10053/0094	08/29/76	100	0889	44.2	115.8	GGGG			48	35
12358W	4024N	5481-17382	00000/0000	1-10052/0456	08/12/76	30	0652	46.5	114.3	GFGG			49	32
12358W	3607N	5480-17340	00000/0000	1-10052/0427	08/11/76	90	0638	47.5	108.6	GGGG			48	35
12358W	3605N	5462-17352	00000/0000	1-10052/0146	07/24/76	90	0387	50.2	102.8	GGGG			48	35
12400W	4021N	5463-17395	00000/0000	1-10052/0069	07/25/76	40	0401	49.8	108.9	FGGG			49	32
12402W	4017N	5802-17094	00000/0000	1-10060/0247	06/29/77	10	5128	46.9	98.6	GGG			49	32
12402W	4017N	5820-17075	00000/0000	1-10060/0765	07/17/77	20	5379	44.8	100.1	GGG			49	32
12403W	4017N	5784-17113	00000/0000	1-10059/0584	06/11/77	50	4877	47.9	99.8	GGG			49	32
12409W	4728N	5501-17460	00000/0000	1-10053/0120	09/01/76	80	0931	39.8	128.9	GGGG			51	27
12411W	4730N	5465-17490	00000/0000	1-10052/0148	07/27/76	10	0429	47.9	119.0	GGGG			51	27
12411W	4730N	5750-17240	00000/0000	1-10058/0167	05/08/77	90	4403	44.1	116.7	GGG			51	27
12422W	4314N	5500-17414	00000/0000	1-10053/0111	08/31/76	50	0917	41.4	124.2	GGGG			50	30
12426W	3857N	5499-17371	00000/0000	1-10053/0029	08/30/76	90	0903	43.1	119.3	FFGG			49	33
12429W	3900N	5481-17384	00000/0000	1-10052/0457	08/12/76	50	0652	46.8	112.5	FFGG			49	33
12429W	3854N	5463-17401	00000/0000	1-10052/0070	07/25/76	90	0401	49.8	106.9	GGGG			49	33
12431W	3852N	5802-17100	00000/0000	1-10060/0248	06/29/77	30	5128	46.8	96.8	GGG			49	33
12431W	3851N	5820-17081	00000/0000	1-10060/0766	07/17/77	20	5379	44.8	98.4	GGP			49	33
12432W	3852N	5784-17120	00000/0000	1-10059/0585	06/11/77	60	4877	47.8	98.0	GGG			49	33
12443W	4602N	5501-17463	00000/0000	1-10053/0121	09/01/76	90	0931	40.0	127.4	GGGG			51	28
12446W	4604N	5465-17493	00000/0000	1-10052/0149	07/27/76	20	0429	48.2	117.1	GGGG			51	28
12447W	4605N	5750-17243	00000/0000	1-10058/0168	05/08/77	80	4403	44.5	115.0	GGG			51	28
12453W	4149N	5500-17420	00000/0000	1-10053/0112	08/31/76	80	0917	41.5	122.7	GFGG			50	31
12454W	3730N	5499-17374	00000/0000	1-10053/0030	08/30/76	100	0903	43.6	117.7	GGGG			49	34
12458W	3725N	5820-17084	00000/0000	1-10060/0767	07/17/77	10	5379	44.2	96.8	GGF			49	34
12459W	4851N	5520-17495	00000/0000	1-10053/0518	09/20/76	10	1196	33.1	135.9	GGGG			52	26
12459W	4847N	5538-17482	00000/0000	1-10054/0240	10/08/76	80	1447	27.9	140.5	FGGG			52	26
12502W	4855N	5751-17292	00000/0000	1-10058/0116	05/09/77	30	4417	44.0	118.2	GGG			52	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, 1977

LANDSAT-1
 COORDINATE LISTING
 FOR US
 FROM 07/23/76 TO 07/23/77

PAGE 0245

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
12517W	4437N	5501-17465	00000/0000	1-10053/0122	09/01/76	90	0931	40.6	126.0	GGGG			51	29
12519W	4438N	5465-17495	00000/0000	1-10052/0150	07/27/76	20	0429	48.6	115.2	GGGG			51	29
12521W	4441N	5750-17245	00000/0000	1-10058/0169	05/08/77	40	4403	44.8	113.3	GGG			51	29
12523W	4023N	5500-17423	00000/0000	1-10053/0113	08/31/76	90	0917	42.4	121.2	GGGG			50	32
12535W	4725N	5520-17501	00000/0000	1-10053/0519	09/20/76	50	1196	33.8	134.7	GGGG			52	27
12535W	4722N	5538-17485	00000/0000	1-10054/0241	10/08/76	90	1447	28.2	139.5	FGGG			52	27
12538W	4730N	5751-17294	00000/0000	1-10058/0117	05/09/77	70	4417	44.3	116.5	GGG			52	27
12549W	4311N	5501-17472	00000/0000	1-10053/0123	09/01/76	90	0931	41.2	124.5	GGGG			51	30
12552W	3857N	5500-17425	00000/0000	1-10053/0114	08/31/76	100	0917	42.8	119.7	GGGG			50	33
12553W	4316N	5750-17252	00000/0000	1-10058/0170	05/08/77	20	4403	45.0	111.5	GGG			51	30
12609W	4600N	5520-17504	00000/0000	1-10053/0520	09/20/76	90	1196	34.6	133.5	GGGF			52	28
12610W	4557N	5538-17491	00000/0000	1-10054/0242	10/08/76	90	1447	29.1	138.6	FGFG			52	28
12613W	4605N	5751-17301	00000/0000	1-10058/0118	05/09/77	80	4417	44.7	114.7	GGG			52	28
12624W	4851N	5521-17553	00000/0000	1-10053/0548	09/21/76	90	1210	32.4	136.2	GGGG			53	26
12711W	5552N	5542-18085	00000/0000	1-10054/0335	10/12/76	90	1503	21.4	146.3	GGGG			56	21
12759W	5428N	5542-18092	00000/0000	1-10054/0336	10/12/76	90	1503	22.4	145.3	GGGG			56	22
13114W	5845N	5759-18113	00000/0000	1-10059/0013	05/17/77	10	4529	42.3	129.4	GGG			60	19
13208W	5722N	5759-18120	00000/0000	1-10059/0014	05/17/77	0	4529	42.8	127.5	GGG			60	20
13258W	5558N	5759-18122	00000/0000	1-10059/0015	05/17/77	0	4529	43.4	125.6	GGG			60	21
13344W	5434N	5759-18125	00000/0000	1-10059/0016	05/17/77	10	4529	43.9	123.7	FGG			60	22
13428W	5310N	5759-18131	00000/0000	1-10059/0017	05/17/77	20	4529	44.3	121.9	GGG			60	23
13547W	6646N	5821-18485	00000/0000	1-10060/0789	07/18/77	60	5394	39.1	136.4	GGG			69	13
13651W	6245N	5783-18423	00000/0000	1-10059/0451	06/10/77	30	4864	43.6	131.9	GGG			67	16
13714W	6526N	5821-18491	00000/0000	1-10060/0790	07/18/77	80	5394	39.7	134.1	GGG			69	14
13758W	6123N	5783-18425	00000/0000	1-10059/0452	06/10/77	20	4864	44.1	129.7	GGG			66	17
13834W	6404N	5821-18494	00000/0000	1-10060/0791	07/18/77	40	5394	40.2	131.9	GGG			69	15
13900W	6000N	5783-18432	00000/0000	1-10059/0453	06/10/77	30	4864	44.6	127.5	GGG			66	18
13947W	6241N	5821-18500	00000/0000	1-10060/0792	07/18/77	20	5394	40.8	129.7	GGG			69	16
13957W	5837N	5783-18434	00000/0000	1-10059/0454	06/10/77	90	4864	45.1	125.4	GGG			66	19
14017W	7047N	5792-19304	00000/0000	1-10060/0122	06/19/77	80	4990	40.0	146.1	GGG			76	10
14044W	6935N	5755-19285	00000/0000	1-10058/0227	05/13/77	90	4474	36.3	147.3	GGG			75	11
14054W	6118N	5821-18503	00000/0000	1-10060/0793	07/18/77	60	5394	41.2	127.6	GGG			69	17
14144W	7047N	5793-19362	00000/0000	1-10060/0114	06/20/77	100	5004	40.0	146.0	GGG			77	10
14156W	5955N	5821-18505	00000/0000	1-10060/0794	07/18/77	40	5394	41.7	125.6	GGG			68	18
14211W	6936N	5756-19343	00000/0000	1-10059/0012	05/14/77	50	4488	36.5	147.2	GGG			76	11

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, '77

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

PAGE 0246

PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS						123	45678				
14218W	6930N	5792-19310	00000/0000	1-10060/0123	06/19/77	60	4990	40.7	143.2	GGG			76	11
14233W	6815N	5755-19292	00000/0000	1-10058/0228	05/13/77	10	4474	37.0	144.7	GGG			75	12
14252W	5832N	5821-18512	00000/0000	1-10060/0795	07/18/77	90	5394	42.1	123.7	GGG			68	19
14303W	7055N	5758-19452	00000/0000	1-10058/0338	05/16/77	70	4516	36.2	149.8	GGG			78	10
14345W	6929N	5793-19364	00000/0000	1-10060/0115	06/20/77	50	5004	40.7	143.1	GGG			77	11
14407W	6812N	5792-19313	00000/0000	1-10060/0124	06/19/77	70	4990	41.0	140.5	GGG			76	12
14518W	6924N	5812-19403	00000/0000	1-10060/0504	07/09/77	10	5269	39.3	141.6	GGG			78	11
14525W	6816N	5757-19404	00000/0000	1-10058/0333	05/15/77	80	4502	37.5	144.5	GGG			77	12
14532W	6810N	5793-19371	00000/0000	1-10060/0116	06/20/77	30	5004	41.3	140.4	GGG			77	12
14545W	6652N	5792-19315	00000/0000	1-10060/0125	06/19/77	70	4990	42.0	137.9	GGG			76	13
14554W	7054N	5742-19582	00000/0000	1-10058/0059	04/30/77	0	4293	32.0	150.8	GGG			80	10
14646W	6926N	5795-19480	00000/0000	1-10060/0108	06/22/77	90	5032	40.7	142.8	GGG			79	11
14650W	6412N	5506-19523	00000/0000	1-10053/0199	09/06/76	20	1002	28.6	147.8	GGGG			74	15
14654W	6819N	5758-19461	00000/0000	1-10058/0339	05/16/77	80	4516	37.7	144.5	GGG			78	12
14654W	6414N	5488-19540	00000/0000	1-10052/0607	08/19/76	70	0751	34.5	144.9	GGGG			74	15
14655W	6809N	5776-19443	00000/0000	1-10059/0336	06/03/77	70	4767	40.6	142.3	GGG			78	12
14657W	6415N	5470-19553	00000/0000	1-10052/0256	08/01/76	0	0500	39.8	142.8	GGGG			74	15
14704W	6805N	5812-19410	00000/0000	1-10060/0505	07/09/77	50	5269	39.8	138.9	GGG			78	12
14705W	6656N	5757-19410	00000/0000	1-10058/0334	05/15/77	50	4502	38.2	142.1	GGG			77	13
14709W	6650N	5793-19373	00000/0000	1-10060/0117	06/20/77	30	5004	42.0	137.8	GGG			77	13
14713W	6531N	5792-19322	00000/0000	1-10060/0126	06/19/77	50	4990	42.6	135.5	GGG			76	14
14717W	6646N	5811-19354	00000/0000	1-10060/0408	07/08/77	10	5255	40.7	136.5	GGG			77	13
14746W	6930N	5670-20052	00000/0000	1-10055/0226	02/17/77	50	3289	6.1	150.5	GGGG		H	79	11
14757W	6936N	5742-19585	00000/0000	1-10058/0060	04/30/77	0	4293	32.8	148.2	GGG			80	11
14804W	6251N	5506-19530	00000/0000	1-10053/0200	09/06/76	40	1002	29.4	146.2	GGGG			74	16
14807W	6252N	5488-19543	00000/0000	1-10052/0608	08/19/76	90	0751	35.9	143.1	GGGG			74	16
14810W	6253N	5470-19560	00000/0000	1-10052/0257	08/01/76	10	0500	40.3	140.7	GGGG			74	16
14832W	6659N	5758-19464	00000/0000	1-10058/0340	05/16/77	70	4516	38.4	142.1	GGG			78	13
14833W	6808N	5795-19482	00000/0000	1-10060/0109	06/22/77	50	5032	41.3	140.1	GGG			79	12
14833W	6649N	5776-19450	00000/0000	1-10059/0337	06/03/77	40	4767	41.2	139.8	GGG			78	13
14834W	6535N	5757-19413	00000/0000	1-10058/0335	05/15/77	50	4502	38.0	139.9	GGG			77	14
14836W	6529N	5793-19380	00000/0000	1-10060/0118	06/20/77	20	5004	42.5	135.4	GGG			77	14
14839W	7054N	5744-20094	00000/0000	1-10058/0042	05/02/77	50	4321	32.4	150.8	GGG			82	10
14840W	6646N	5812-19412	00000/0000	1-10060/0506	07/09/77	40	5269	40.5	136.4	GGG			78	13
14844W	6525N	5811-19361	00000/0000	1-10060/0409	07/08/77	10	5255	41.2	134.1	GGG			77	14

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS						123	45678				
14900W	7042N	5816-20024	00000/0000	1-10060/0558	07/13/77	20	5325	38.1	144.3	GGG			82	10
14921W	6940N	5743-20042	00000/0000	1-10058/0080	05/01/77	10	4307	33.0	148.2	GGG			81	11
14937W	6926N	5797-19592	00000/0000	1-10060/0178	06/24/77	100	5060	40.6	142.6	GGG			81	11
14937W	6922N	5815-19572	00000/0000	1-10060/0552	07/12/77	10	5311	38.0	141.5	GGG			81	11
14954W	6414N	5757-19415	00000/0000	1-10058/0336	05/15/77	70	4502	39.5	137.7	GGG			77	15
14955W	6408N	5793-19382	00000/0000	1-10060/0119	06/20/77	20	5004	43.1	133.0	FGG			77	15
14957W	6804N	5814-19521	00000/0000	1-10060/0547	07/11/77	10	5297	39.8	138.9	GGG			80	12
15001W	6538N	5758-19470	00000/0000	1-10058/0341	05/16/77	70	4516	39.8	139.8	GGG			78	14
15001W	6528N	5776-19452	00000/0000	1-10059/0338	06/03/77	20	4767	41.0	137.4	GGG			78	14
15007W	7053N	5745-20152	00000/0000	1-10058/0044	05/03/77	80	4335	32.0	150.7	GGG			83	10
15008W	6524N	5812-19415	00000/0000	1-10060/0507	07/09/77	10	5269	41.1	134.1	GGG			78	14
15009W	6649N	5795-19485	00000/0000	1-10060/0110	06/22/77	20	5032	41.9	137.5	GGG			79	13
15042W	6936N	5744-20100	00000/0000	1-10058/0043	05/02/77	50	4321	33.3	148.1	GGG			82	11
15100W	6925N	5816-20030	00000/0000	1-10060/0559	07/13/77	60	5325	38.7	141.5	GGG			82	11
15108W	6252N	5757-19422	00000/0000	1-10058/0337	05/15/77	80	4502	40.2	135.6	GGG			77	16
15108W	6246N	5793-19385	00000/0000	1-10060/0120	06/20/77	10	5004	43.7	130.7	GGG			76	16
15109W	6250N	5775-19404	00000/0000	1-10059/0212	06/02/77	20	4753	43.0	133.0	GG			77	16
15120W	6808N	5797-19594	00000/0000	1-10060/0179	06/24/77	90	5060	41.2	139.9	GGG			81	12
15120W	6417N	5758-19473	00000/0000	1-10058/0342	05/16/77	60	4516	39.7	137.6	GGG			78	15
15121W	6407N	5776-19455	00000/0000	1-10059/0339	06/03/77	10	4767	42.5	135.1	GGG			78	15
15123W	6803N	5815-19575	00000/0000	1-10060/0553	07/12/77	10	5311	39.9	138.9	GGG			81	12
15128W	6402N	5812-19421	00000/0000	1-10060/0508	07/09/77	10	5269	41.6	131.8	GGG			78	15
15131W	6648N	5796-19543	00000/0000	1-10060/0045	06/23/77	20	5046	41.9	137.4	GGG			80	13
15133W	6645N	5814-19524	00000/0000	1-10060/0548	07/11/77	10	5297	40.3	136.4	GGG			80	13
15136W	6528N	5795-19491	00000/0000	1-10060/0111	06/22/77	30	5032	42.5	135.1	GGG			79	14
15150W	7044N	5800-20154	00000/0000	1-10050/0093	06/27/77	30	5102	39.8	145.3	GGG			84	10
15153W	7045N	5818-20135	00000/0000	1-10060/0750	07/15/77	0	5353	37.8	144.3	GGG			84	10
15210W	6936N	5745-20154	00000/0000	1-10058/0045	05/03/77	70	4335	33.6	148.1	GGG			83	11
15215W	6124N	5793-19391	00000/0000	1-10060/0121	06/20/77	10	5004	44.2	128.5	GGG			76	17
15217W	6128N	5775-19410	00000/0000	1-10059/0207	06/02/77	10	4753	43.5	130.9	FGG			77	17
15226W	7159N	5820-20244	00000/0000	1-10060/0848	07/17/77	20	5381	36.8	147.3	GGG			86	9
15226W	6928N	5799-20103	00000/0000	1-10060/0038	06/26/77	90	5088	40.5	142.5	GGG			83	11
15226W	6926N	5817-20084	00000/0000	1-10060/0565	07/14/77	30	5339	38.6	141.5	GGG			83	11
15232W	6246N	5776-19461	00000/0000	1-10059/0340	06/03/77	10	4767	43.1	132.8	GGG			77	16
15241W	6240N	5812-19424	00000/0000	1-10060/0509	07/09/77	10	5269	42.2	129.6	GGG			78	16

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 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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PRINCIPAL POINT OF IMAGE LONG LAT	OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
15246W 6806N	5798-20052	00000/0000	1-10060/0050	06/25/77	90	5074	41.2	139.8	GGG			82	12
15247W 6806N	5816-20033	00000/0000	1-10060/0560	07/13/77	20	5325	39.4	138.9	GGG			82	12
15256W 6406N	5795-19494	00000/0000	1-10060/0112	06/22/77	60	5032	43.1	132.7	GGG			79	15
15258W 6648N	5797-20001	00000/0000	1-10060/0180	06/24/77	80	5060	41.9	137.3	GGG			81	13
15258W 6644N	5815-19581	00000/0000	1-10060/0554	07/12/77	10	5311	40.1	136.4	GGG			81	13
15259W 6527N	5796-19545	00000/0000	1-10060/0046	06/23/77	10	5046	42.5	135.0	GGG			80	14
15259W 6524N	5814-19530	00000/0000	1-10060/0549	07/11/77	0	5297	40.8	134.0	GGG			80	14
15302W 7054N	5765-20245	00000/0000	1-10059/0272	05/23/77	90	4614	37.6	149.2	GGG			85	10
15318W 7044N	5819-20193	00000/0000	1-10060/0745	07/16/77	30	5367	37.6	144.3	GGG			85	10
15319W 6005N	5775-19413	00000/0000	1-10059/0208	06/02/77	10	4753	44.3	128.7	GGG			77	18
15339W 6124N	5776-19464	00000/0000	1-10059/0341	06/03/77	10	4767	43.6	130.7	GGG			77	17
15351W 6926N	5800-20161	00000/0000	1-10060/0094	06/27/77	20	5102	40.4	142.4	GGG			84	11
15353W 6928N	5818-20142	00000/0000	1-10060/0751	07/15/77	20	5353	38.4	141.5	GGG			84	11
15354W 7159N	5821-20302	00000/0000	1-10060/0796	07/18/77	10	5395	36.6	147.3	GGG			87	9
15356W 7158N	5803-20321	00000/0000	1-10060/0399	06/30/77	10	5144	38.9	148.0	FGG			87	9
15408W 6244N	5795-19500	00000/0000	1-10060/0113	06/22/77	60	5032	43.6	130.5	GGG			79	16
15414W 6809N	5799-20110	00000/0000	1-10060/0039	06/26/77	90	5088	41.1	139.8	GGG			83	12
15414W 6806N	5817-20091	00000/0000	1-10060/0566	07/14/77	30	5339	39.2	138.9	GGG			83	12
15417W 5842N	5775-19415	00000/0000	1-10059/0209	06/02/77	10	4753	44.6	126.7	GGG			76	19
15418W 6404N	5814-19533	00000/0000	1-10060/0550	07/11/77	10	5297	41.4	131.8	GGG			80	15
15419W 6405N	5796-19552	00000/0000	1-10060/0047	06/23/77	10	5046	43.0	132.6	GGG			80	15
15423W 6647N	5798-20054	00000/0000	1-10060/0051	06/25/77	30	5074	41.0	137.3	GGG			82	13
15423W 6646N	5816-20035	00000/0000	1-10060/0561	07/13/77	10	5325	39.9	136.4	GGG			82	13
15424W 6525N	5815-19584	00000/0000	1-10060/0555	07/12/77	10	5311	40.7	134.0	GGG			81	14
15426W 6527N	5797-20003	00000/0000	1-10060/0181	06/24/77	20	5060	42.4	134.9	GGG			81	14
15441W 6001N	5776-19470	00000/0000	1-10059/0342	06/03/77	10	4767	44.2	128.6	GGG			77	18
15442W 7043N	5820-20251	00000/0000	1-10060/0849	07/17/77	10	5381	37.4	144.3	GGG			86	10
15505W 6937N	5765-20252	00000/0000	1-10059/0273	05/23/77	90	4614	38.3	146.3	GGG			85	11
15510W 5719N	5775-19422	00000/0000	1-10059/0210	06/02/77	10	4753	45.2	124.6	GGG			76	20
15512W 6931N	5783-20234	00000/0000	1-10059/0455	06/10/77	30	4865	40.5	144.2	GGG			85	11
15518W 6926N	5819-20200	00000/0000	1-10060/0746	07/16/77	10	5367	38.2	141.5	GGG			85	11
15530W 6242N	5814-19535	00000/0000	1-10060/0551	07/11/77	10	5297	41.9	129.6	GGG			79	16
15532W 6244N	5796-19554	00000/0000	1-10060/0048	06/23/77	10	5046	43.6	130.4	GGG			80	16
15539W 6809N	5782-20183	00000/0000	1-10059/0508	06/09/77	60	4851	41.1	141.5	FGG			84	12
15539W 6807N	5800-20163	00000/0000	1-10060/0095	06/27/77	20	5102	41.1	139.7	GGG			84	12

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
LONG	LAT	RBV	MSS							123	45678			
15539W	5839N	5776-19473	00000/0000	1-10059/0343	06/03/77	40	4767	44.2	126.5	GGG			77	19
15541W	6808N	5818-20144	00000/0000	1-10060/0752	07/15/77	20	5353	39.0	138.9	GGG			84	12
15543W	6404N	5815-19590	00000/0000	1-10060/0556	07/12/77	0	5311	41.2	131.8	GGG			81	15
15546W	6406N	5797-20010	00000/0000	1-10060/0182	06/24/77	10	5060	43.0	132.6	GGG			81	15
15550W	6646N	5817-20093	00000/0000	1-10060/0567	07/14/77	20	5339	39.8	136.4	GGG			83	13
15550W	6525N	5816-20042	00000/0000	1-10060/0562	07/13/77	10	5325	40.5	134.0	GGG			82	14
15551W	6528N	5798-20061	00000/0000	1-10060/0052	06/25/77	10	5074	42.4	134.8	GGG			82	14
15552W	6649N	5799-20112	00000/0000	1-10060/0040	06/26/77	70	5088	41.8	137.2	GGG			83	13
15559W	5555N	5775-19424	00000/0000	1-10059/0211	06/02/77	20	4753	45.5	122.6	GGG			76	21
15609W	7043N	5821-20305	00000/0000	1-10060/0797	07/18/77	10	5395	37.2	144.3	GGG			87	10
15612W	7042N	5803-20324	00000/0000	1-10060/0406	06/30/77	0	5144	39.6	144.9	GG			87	10
15631W	6934N	5766-20310	00000/0000	1-10059/0600	05/24/77	60	4628	38.5	146.2	GGG			86	11
15633W	5716N	5776-19475	00000/0000	1-10059/0344	06/03/77	70	4767	45.4	124.4	GGG			77	20
15639W	6121N	5796-19561	00000/0000	1-10060/0049	06/23/77	10	5046	44.4	128.2	FGG			80	17
15641W	7200N	5805-20433	00000/0000	1-10060/0311	07/02/77	30	5172	38.7	148.0	GGG			89	9
15641W	6926N	5802-20273	00000/0000	1-10060/0289	06/29/77	10	5130	40.2	142.3	GGG			86	11
15642W	6925N	5820-20253	00000/0000	1-10060/0850	07/17/77	10	5381	38.1	141.5	GGG			86	11
15655W	6818N	5765-20254	00000/0000	1-10059/0274	05/23/77	30	4614	39.0	143.7	GGG			85	12
15656W	6243N	5815-19593	00000/0000	1-10060/0557	07/12/77	30	5311	41.9	129.6	GGG			81	16
15658W	6244N	5797-20012	00000/0000	1-10060/0183	06/24/77	10	5060	43.5	130.3	GGG			81	16
15701W	6812N	5783-20240	00000/0000	1-10059/0456	06/10/77	70	4865	41.4	141.5	FGG			85	12
15706W	6807N	5819-20202	00000/0000	1-10060/0747	07/16/77	20	5367	38.8	138.9	GGG			85	12
15709W	6404N	5816-20044	00000/0000	1-10060/0563	07/13/77	30	5325	41.0	131.8	GGG			82	15
15711W	6406N	5798-20063	00000/0000	1-10060/0053	06/25/77	0	5074	42.9	132.5	GGG			82	15
15716W	6648N	5782-20185	00000/0000	1-10059/0509	06/09/77	90	4851	41.7	138.9	GGG			84	13
15717W	6648N	5818-20151	00000/0000	1-10060/0753	07/15/77	10	5353	39.6	136.4	GGG			84	13
15717W	6526N	5817-20100	00000/0000	1-10060/0568	07/14/77	20	5339	40.3	134.1	GGG			83	14
15719W	6529N	5799-20115	00000/0000	1-10060/0041	06/26/77	10	5088	42.3	134.8	GGG			83	14
15723W	5552N	5776-19482	00000/0000	1-10059/0345	06/03/77	40	4767	45.6	122.4	GGG			77	21
15725W	7050N	5768-20415	00000/0000	1-10059/0149	05/26/77	90	4656	38.1	148.7	GGG			88	10
15736W	7043N	5822-20363	00000/0000	1-10060/0768	07/19/77	0	5409	37.6	144.3	GGG			88	10
15738W	7042N	5804-20382	00000/0000	1-10060/0327	07/01/77	10	5158	39.5	144.9	GGG			88	10
15805W	7202N	5806-20491	00000/0000	1-10060/0384	07/03/77	50	5186	38.7	147.9	GGF			90	9
15805W	6122N	5797-20015	00000/0000	1-10060/0184	06/24/77	10	5060	44.0	128.1	GGG			81	17
15809W	6926N	5821-20311	00000/0000	1-10060/0798	07/18/77	10	5395	37.9	141.5	GGG			87	11

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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
									RBV	MSS				
15810W	5428N	5776-19484	00000/0000	1-10059/0346	06/03/77	30	4767	46.0	120.4		GGG		77	22
15813W	7201N	5824-20472	00000/0000	1-10061/0055	07/21/77	40	5437	36.0	147.3		GGG		90	9
15813W	6924N	5803-20330	00000/0000	1-10060/0400	06/30/77	0	5144	40.3	142.1		FFF		87	11
15820W	6816N	5766-20312	00000/0000	1-10059/0601	05/24/77	0	4628	39.2	143.6		GGG		86	12
15821W	6243N	5816-20051	00000/0000	1-10060/0564	07/13/77	90	5325	41.6	129.6		GGG		81	16
15824W	6245N	5798-20070	00000/0000	1-10060/0054	06/25/77	10	5074	43.5	130.2		GGG		82	16
15828W	6808N	5802-20275	00000/0000	1-10060/0290	06/29/77	10	5130	40.0	139.6		GGG		86	12
15830W	6806N	5820-20260	00000/0000	1-10060/0851	07/17/77	10	5381	38.7	138.9		GGG		86	12
15833W	6659N	5765-20261	00000/0000	1-10059/0275	05/23/77	30	4614	39.7	141.3		GGG		85	13
15837W	6405N	5817-20102	00000/0000	1-10060/0569	07/14/77	40	5339	40.0	131.8		GGG		83	15
15838W	6652N	5783-20243	00000/0000	1-10059/0457	06/10/77	80	4865	41.8	138.9		GGG		88	13
15839W	6408N	5799-20121	00000/0000	1-10060/0042	06/26/77	0	5088	42.9	132.4		GGG		83	15
15841W	6650N	5801-20224	00000/0000	1-10060/0088	06/28/77	10	5116	41.6	137.1		GGG		85	13
15842W	6646N	5819-20205	00000/0000	1-10060/0748	07/16/77	30	5367	39.4	136.4		GGG		85	13
15843W	6528N	5800-20172	00000/0000	1-10060/0096	06/27/77	10	5102	42.3	134.7		GGG		84	14
15843W	6527N	5782-20192	00000/0000	1-10059/0510	06/09/77	70	4851	42.8	136.5		GGG		84	14
15845W	6527N	5818-20153	00000/0000	1-10060/0754	07/15/77	10	5353	40.2	134.1		GGG		84	14
15858W	7044N	5805-20435	00000/0000	1-10060/0312	07/02/77	0	5172	39.8	144.9		GGG		89	10
15900W	7043N	5823-20420	00000/0000	1-10061/0042	07/20/77	40	5423	36.9	144.3		G		89	10
15928W	6932N	5768-20422	00000/0000	1-10059/0150	05/26/77	90	4656	38.8	145.9		GGG		88	11
15931W	6123N	5798-20072	00000/0000	1-10060/0055	06/25/77	10	5074	44.0	128.0		GGG		82	17
15936W	6925N	5822-20365	00000/0000	1-10060/0769	07/19/77	0	5409	37.7	141.5		FFG		88	11
15939W	6924N	5804-20384	00000/0000	1-10060/0328	07/01/77	10	5158	40.2	142.0		FFG		88	11
15940W	7159N	5825-20525	00000/0000	1-10061/0048	07/22/77	20	5451	35.8	147.3		GGG		91	9
15946W	6255N	5763-20161	00000/0000	1-10059/0591	05/21/77	10	4586	41.3	134.8		GGG		83	16
15949W	6243N	5817-20105	00000/0000	1-10060/0570	07/14/77	90	5339	41.4	129.6		GGG		83	16
15951W	6246N	5799-20124	00000/0000	1-10060/0043	06/26/77	10	5088	43.4	130.2		GGG		83	16
15957W	6807N	5821-20314	00000/0000	1-10060/0799	07/18/77	10	5395	38.5	138.9		GGG		87	12
15958W	6414N	5764-20212	00000/0000	1-10059/0595	05/22/77	10	4600	40.0	136.8		FFG		84	15
15959W	6656N	5766-20315	00000/0000	1-10059/0602	05/24/77	10	4628	39.0	141.1		GGG		86	13
16000W	6805N	5803-20333	00000/0000	1-10060/0401	06/30/77	0	5144	40.0	139.4		GGG		87	12
16002W	6538N	5765-20263	00000/0000	1-10059/0276	05/23/77	30	4614	40.4	138.9		GGG		85	14
16002W	6406N	5782-20194	00000/0000	1-10059/0511	06/09/77	50	4851	43.0	134.2		GGG		84	15
16003W	6407N	5800-20175	00000/0000	1-10060/0097	06/27/77	20	5102	42.0	132.4		GGG		84	15
16004W	6404N	5818-20160	00000/0000	1-10060/0755	07/15/77	30	5353	40.7	131.8		GGG		84	15

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING
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FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
16005W	6648N	5802-20282	00000/0000	1-10060/0291	06/29/77	0	5130	41.6	137.0	FGG			86	13
16006W	6647N	5820-20262	00000/0000	1-10060/0852	07/17/77	50	5381	39.3	136.4	GGG			86	13
16006W	6531N	5783-20245	00000/0000	1-10059/0458	06/10/77	90	4865	42.4	136.5	GGG			85	14
16008W	6529N	5801-20230	00000/0000	1-10060/0089	06/28/77	10	5116	42.2	134.6	GGG			85	14
16009W	6526N	5819-20211	00000/0000	1-10060/0749	07/16/77	10	5367	40.0	134.1	GGG			85	14
16020W	7046N	5806-20493	00000/0000	1-10060/0385	07/03/77	40	5186	39.9	144.8	GGG			90	10
16027W	7045N	5824-20474	00000/0000	1-10061/0056	07/21/77	50	5437	36.7	144.3	GGG			90	10
16054W	6132N	5763-20163	00000/0000	1-10059/0592	05/21/77	10	4586	41.9	132.7	GGG			83	17
16059W	6927N	5805-20442	00000/0000	1-10060/0313	07/02/77	10	5172	40.1	142.0	GGG			89	11
16059W	6123N	5799-20130	00000/0000	1-10060/0044	06/26/77	50	5088	43.0	128.0	GGG			83	17
16101W	6925N	5823-20423	00000/0000	1-10061/0043	07/20/77	30	5423	37.5	141.5	GGG			89	11
16111W	6251N	5764-20215	00000/0000	1-10059/0596	05/22/77	10	4600	41.8	134.6	GGG			84	16
16116W	6245N	5800-20181	00000/0000	1-10060/0098	06/27/77	20	5102	43.4	130.1	GGG			84	16
16117W	6814N	5768-20424	00000/0000	1-10059/0151	05/26/77	90	4656	39.5	143.3	GGG			88	12
16122W	6416N	5765-20270	00000/0000	1-10059/0277	05/23/77	10	4614	41.0	136.7	GGG			85	15
16124W	6806N	5822-20372	00000/0000	1-10060/0770	07/19/77	0	5409	38.3	138.9	GGG			88	12
16126W	6805N	5804-20391	00000/0000	1-10060/0329	07/01/77	30	5158	40.8	139.3	GGG			88	12
16126W	6410N	5783-20252	00000/0000	1-10059/0459	06/10/77	90	4865	43.6	134.1	GGG			85	15
16127W	6654N	5767-20373	00000/0000	1-10059/0102	05/25/77	40	4642	40.1	141.0	GGG			87	13
16128W	6535N	5766-20321	00000/0000	1-10059/0603	05/24/77	20	4628	40.6	138.8	GGG			86	14
16128W	6408N	5801-20233	00000/0000	1-10060/0090	06/28/77	10	5116	42.8	132.3	GGG			85	15
16133W	6529N	5802-20284	00000/0000	1-10060/0292	06/29/77	0	5130	42.1	134.6	GGF			86	14
16139W	6526N	5820-20265	00000/0000	1-10060/0853	07/17/77	70	5381	39.8	134.1	GGG			86	14
16134W	6646N	5821-20320	00000/0000	1-10060/0800	07/18/77	70	5395	39.1	136.5	GGG			87	13
16136W	6645N	5803-20335	00000/0000	1-10060/0402	06/30/77	0	5144	41.5	136.8	GGF			87	13
16145W	7052N	5771-20585	00000/0000	1-10059/0310	05/29/77	30	4698	38.5	148.5	GGG			91	10
16157W	7042N	5825-20532	00000/0000	1-10061/0049	07/22/77	40	5451	36.5	144.3	GGG			91	10
16157W	6009N	5763-20170	00000/0000	1-10059/0593	05/21/77	10	4586	42.5	130.7	GGG			83	18
16218W	6129N	5764-20221	00000/0000	1-10059/0597	05/22/77	30	4600	42.1	132.5	GGG			84	17
16223W	6928N	5806-20500	00000/0000	1-10060/0386	07/03/77	10	5186	40.6	142.0	FGG			90	11
16227W	6927N	5824-20481	00000/0000	1-10061/0057	07/21/77	20	5437	37.3	141.5	GGG			90	11
16234W	6253N	5765-20272	00000/0000	1-10059/0278	05/23/77	50	4614	41.7	134.5	GGG			85	16
16241W	6246N	5801-20235	00000/0000	1-10060/0091	06/28/77	10	5116	43.3	130.1	GGG			85	16
16248W	6808N	5805-20444	00000/0000	1-10060/0314	07/02/77	0	5172	40.7	139.4	GGG			89	12
16248W	6806N	5823-20425	00000/0000	1-10061/0044	07/20/77	10	5423	38.1	138.9	GGG			89	12

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE LONG	POINT LAT	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
			RBV	MSS						123	45678				
16248W	6414N	5766-20324	00000/0000	1-10059/0604	05/24/77	10	4628	41.2	136.5		GGG			86	15
16253W	6408N	5802-20291	00000/0000	1-10060/0293	06/29/77	0	5130	42.7	132.2		FFF			86	15
16253W	6405N	5820-20271	00000/0000	1-10060/0854	07/17/77	90	5381	40.4	131.9		GGG			86	15
16254W	6654N	5768-20431	00000/0000	1-10059/0152	05/26/77	50	4656	40.2	140.8		GGG			88	13
16254W	5845N	5763-20172	00000/0000	1-10059/0594	05/21/77	10	4586	43.4	128.7		GGG			83	19
16255W	6535N	5767-20375	00000/0000	1-10059/0103	05/25/77	50	4642	40.7	138.6		GGG			87	14
16300W	6647N	5822-20374	00000/0000	1-10060/0771	07/19/77	10	5409	38.9	136.5		GGG			88	13
16302W	6526N	5821-20323	00000/0000	1-10060/0801	07/18/77	30	5395	39.6	134.1		GGG			87	14
16303W	6645N	5804-20393	00000/0000	1-10060/0330	07/01/77	20	5158	41.4	136.8		FGG			88	13
16303W	6524N	5803-20342	00000/0000	1-10060/0407	06/30/77	0	5144	42.1	134.4		GF			87	14
16319W	6006N	5764-20224	00000/0000	1-10059/0598	05/22/77	40	4600	42.7	130.5		GGG			83	18
16341W	6130N	5765-20275	00000/0000	1-10059/0279	05/23/77	30	4614	42.3	132.4		GGG			84	17
16346W	6934N	5771-20591	00000/0000	1-10059/0311	05/29/77	40	4698	39.3	145.6		GGG			91	11
16348W	6929N	5789-20573	00000/0000	1-10059/0668	06/16/77	10	4949	40.7	143.5		GGG			91	11
16348W	6124N	5801-20242	00000/0000	1-10060/0092	06/28/77	10	5116	43.8	127.9		GGG			85	17
16357W	6924N	5825-20534	00000/0000	1-10061/0050	07/22/77	10	5451	37.4	141.5		GGG			91	11
16401W	6252N	5766-20330	00000/0000	1-10059/0605	05/24/77	30	4628	41.8	134.3		GGG			86	16
16406W	6246N	5802-20293	00000/0000	1-10060/0294	06/29/77	0	5130	43.2	130.0		FGG			86	16
16406W	6243N	5820-20274	00000/0000	1-10060/0855	07/17/77	90	5381	40.9	129.7		GGG			86	16
16414W	6808N	5806-20502	00000/0000	1-10060/0387	07/03/77	10	5186	40.6	139.3		GGG			90	12
16415W	6808N	5824-20483	00000/0000	1-10061/0058	07/21/77	10	5437	37.8	138.9		GGG			90	12
16416W	6413N	5767-20382	00000/0000	1-10059/0104	05/25/77	50	4642	41.4	136.3		GGG			87	15
16416W	5843N	5764-20230	00000/0000	1-10059/0599	05/22/77	70	4600	43.2	128.5		GGG			83	19
16422W	6404N	5821-20325	00000/0000	1-10060/0802	07/18/77	40	5395	40.2	131.9		GGG			87	15
16422W	6403N	5803-20344	00000/0000	1-10060/0403	06/30/77	20	5144	42.6	132.1		GGF			87	15
16423W	6533N	5768-20433	00000/0000	1-10059/0153	05/26/77	40	4656	40.9	138.4		GGG			88	14
16424W	6648N	5805-20451	00000/0000	1-10060/0315	07/02/77	10	5172	41.9	136.8		GGG			89	13
16424W	6646N	5823-20432	00000/0000	1-10061/0045	07/20/77	10	5423	38.7	136.5		GGG			89	13
16427W	6526N	5822-20381	00000/0000	1-10060/0772	07/19/77	10	5409	39.5	134.2		GGG			88	14
16429W	6524N	5804-20400	00000/0000	1-10060/0331	07/01/77	30	5158	42.8	134.4		GGG			88	14
16513W	6124N	5802-20300	00000/0000	1-10060/0295	06/29/77	10	5130	43.7	127.8		GGG			86	17
16513W	6121N	5820-20280	00000/0000	1-10060/0856	07/17/77	90	5381	41.4	127.6		GGG			85	17
16515W	6928N	5826-20592	00000/0000	1-10060/0804	07/23/77	10	5465	36.9	141.6		GGG			92	11
16518W	6927N	5790-21030	00000/0000	1-10059/0502	06/17/77	50	4963	40.7	143.3		GGG			92	11
16534W	6241N	5803-20351	00000/0000	1-10060/0404	06/30/77	10	5144	43.1	129.9		GGF			87	16

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:00 OCT 15, '77

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COORDINATE LISTING
FOR US

PAGE 0253

FROM 07/23/76 TO 07/23/77

PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM POSITION	ROLL NO./ IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
16535W	6815N	5771-20594	00000/0000	1-10059/0312	05/29/77	50	4698	40.0	143.0	GGG			91	12
16535W	6243N	5821-20332	00000/0000	1-10060/0803	07/18/77	90	5395	40.7	129.8	GGG			87	16
16537W	6809N	5789-20575	00000/0000	1-10059/0669	06/16/77	20	4949	41.0	140.8	GGG			91	12
16543W	6412N	5768-20440	00000/0000	1-10059/0154	05/26/77	90	4656	41.5	136.2	GGG			88	15
16545W	6805N	5825-20541	00000/0000	1-10061/0051	07/22/77	10	5451	37.7	139.0	GGG			91	12
16548W	6403N	5804-20402	00000/0000	1-10060/0332	07/01/77	80	5158	42.5	132.0	GGG			88	15
16551W	6647N	5824-20490	00000/0000	1-10061/0059	07/21/77	10	5437	38.5	136.5	GGG			90	13
16551W	6526N	5823-20434	00000/0000	1-10061/0046	07/20/77	20	5423	39.3	134.2	GGF			89	14
16552W	6527N	5805-20453	00000/0000	1-10060/0316	07/02/77	30	5172	41.0	134.4	GGG			89	14
16553W	6648N	5806-20505	00000/0000	1-10060/0388	07/03/77	10	5186	41.2	136.8	GGG			90	13
16637W	6129N	5767-20391	00000/0000	1-10059/0105	05/25/77	100	4642	42.6	132.1	GGG			87	17
16641W	6119N	5803-20353	00000/0000	1-10060/0405	06/30/77	0	5144	43.6	127.7	GGG			86	17
16700W	6241N	5804-20405	00000/0000	1-10060/0333	07/01/77	70	5158	43.1	129.8	GGG			88	16
16705W	6809N	5826-20595	00000/0000	1-10060/0805	07/23/77	10	5465	37.5	139.1	GGG			92	12
16705W	6808N	5790-21033	00000/0000	1-10059/0503	06/17/77	30	4963	41.0	140.6	FGG			92	12
16710W	6405N	5823-20441	00000/0000	1-10061/0047	07/20/77	50	5423	39.0	132.0	GGG			89	15
16711W	6406N	5805-20460	00000/0000	1-10060/0317	07/02/77	90	5172	42.4	132.1	GGG			89	15
16715W	6649N	5789-20582	00000/0000	1-10059/0670	06/16/77	10	4949	42.0	138.2	GGG			91	13
16716W	6528N	5788-20530	00000/0000	1-10059/0606	06/15/77	10	4935	42.6	135.9	GGG			90	14
16718W	6526N	5824-20492	00000/0000	1-10061/0060	07/21/77	10	5437	39.2	134.2	GGG			90	14
16720W	6527N	5806-20511	00000/0000	1-10060/0389	07/03/77	40	5186	41.8	134.3	GGG			90	14
16722W	6645N	5825-20543	00000/0000	1-10061/0052	07/22/77	10	5451	38.9	136.5	GGG			91	13
16739W	6006N	5767-20393	00000/0000	1-10059/0106	05/25/77	100	4642	43.2	130.0	GGG			86	18
16807W	6119N	5804-20411	00000/0000	1-10060/0334	07/01/77	70	5158	43.0	127.6	GGG			87	17
16835W	6408N	5788-20533	00000/0000	1-10059/0607	06/15/77	10	4935	43.1	133.5	GGG			90	15
16837W	6405N	5824-20495	00000/0000	1-10061/0061	07/21/77	40	5437	39.6	132.0	GGG			90	15
16839W	6406N	5806-20514	00000/0000	1-10060/0390	07/03/77	80	5186	42.3	132.0	GGF			90	15
16842W	6649N	5826-21001	00000/0000	1-10060/0806	07/23/77	10	5465	38.2	136.7	GGG			92	13
16842W	6648N	5790-21035	00000/0000	1-10059/0504	06/17/77	10	4963	42.0	138.1	GGG			92	13
16843W	6529N	5789-20584	00000/0000	1-10059/0671	06/16/77	10	4949	42.6	135.7	GGG			91	14
16849W	6525N	5825-20550	00000/0000	1-10061/0053	07/22/77	30	5451	38.0	134.2	GGG			91	14
16947W	6247N	5788-20535	00000/0000	1-10059/0608	06/15/77	10	4935	43.7	131.3	GGG			90	16
16951W	6244N	5806-20520	00000/0000	1-10060/0391	07/03/77	90	5186	42.8	129.8	GGG			90	16
17008W	6405N	5825-20552	00000/0000	1-10061/0054	07/22/77	30	5451	39.4	132.0	GGG			91	15
17010W	6529N	5826-21004	00000/0000	1-10060/0807	07/23/77	10	5465	38.7	134.4	GGG			92	14

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:00 OCT 15, 1977

LANDSAT-1
COORDINATE LISTING
FOR US
FROM 07/23/76 TO 07/23/77

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PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUM.	FRAME ROW NUM.
LONG	LAT		RBV	MSS						123 45678				
17010W	6528N	5790-21042	00000/0000	1-10059/0505	06/17/77	10	4963	42.6	135.6		GFG		92	14
17055W	6125N	5788-20542	00000/0000	1-10059/0609	06/15/77	10	4935	44.2	129.1		GGG		89	17
17129W	6407N	5790-21044	00000/0000	1-10059/0506	06/17/77	10	4963	43.2	133.3		GFG		92	15
17130W	6408N	5826-21010	00000/0000	1-10060/0808	07/23/77	20	5465	39.2	132.2		GGG		92	15
17158W	6002N	5788-20544	00000/0000	1-10059/0610	06/15/77	20	4935	44.7	126.9		GGG		89	18
17256W	5839N	5788-20551	00000/0000	1-10059/0611	06/15/77	20	4935	45.2	124.8		GGG		89	19
17350W	5715N	5788-20553	00000/0000	1-10059/0612	06/15/77	0	4935	45.6	122.7		GGG		89	20
17439W	5552N	5788-20560	00000/0000	1-10059/0613	06/15/77	60	4935	46.0	120.7		GGG		89	21
17524W	5428N	5788-20562	00000/0000	1-10059/0614	06/15/77	90	4935	46.3	118.6		GGG		89	22
17607W	5304N	5788-20565	00000/0000	1-10059/0615	06/15/77	100	4935	46.6	116.6		GGG		89	23
17650W	5139N	5788-20571	00000/0000	1-10059/0616	06/15/77	90	4935	46.8	114.7		GGG		89	24
17941W	5139N	5790-21083	00000/0000	1-10059/0507	06/17/77	90	4963	46.9	114.4		GGG		91	24

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

APPENDIX

EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of LANDSAT 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for LANDSAT 1 is illustrated below:

1000 - hhmms
 --
 --
 1998 - hhmms
 1999 - hhmms April 18, 1975
 5000 - hhmms April 19, 1975
 5001 - hhmms (Days since launch equal 1001)
 --
 --

The same general identification procedure will be used for LANDSAT 2 imagery. The day after the 999th day of operation of LANDSAT 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmms
 --
 --
 2999 - hhmms
 6000 - hhmms
 6001 - hhmms (Days since launch equal 1001)
 --
 --

Key: hh = hours
 mm = minutes
 s = tens of seconds