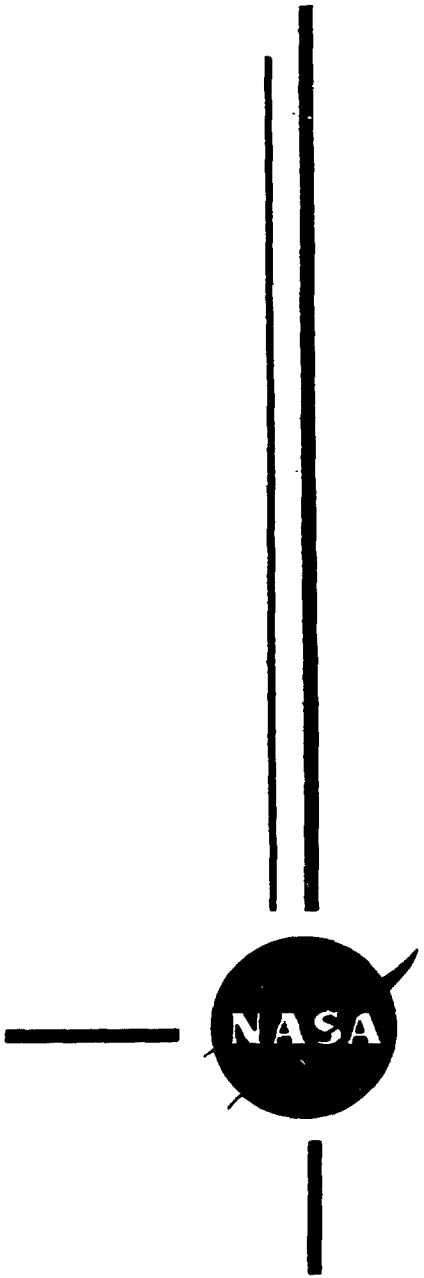

LANDSAT

U.S. STANDARD CATALOG

FEBRUARY 1, 1977

THROUGH

FEBRUARY 28, 1977

GSFC/LU-C/002

GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

S/S

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The U.S. Standard Catalog lists U.S. imagery acquired by Landsat 1 and Landsat 2 which has been processed and input to the data files during the referenced month. Data, such as date acquired, cloud cover and image quality are given for each scene. The microfilm roll and frame on which the scene may be found is also given.

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17b. Identifiers/Open-Ended Terms

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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	Environment Data Service
National Oceanic and Atmospheric Administration	Satellite Data Service Branch D543 World Weather Building Room 606 Washington, D. C. 20233
U. S. Department of the Interior	User Services Unit
Geological Survey	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.

① 20 42 OCT 02, '75 ③ FROM 09/01/75 TO 02/31/75

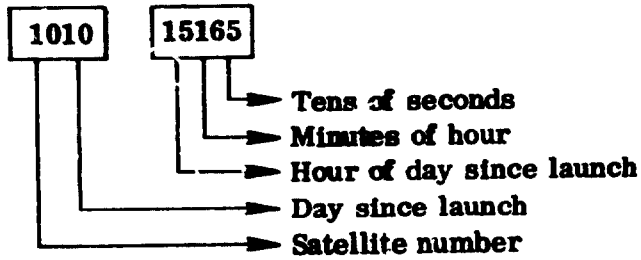
② OBSERVATION ID	④ MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	⑤ DATE ACQUIRED	⑥ CLOUD COVER	⑦ ORBIT NUMBER	⑧ PRINCIPAL POINT OF IMAGE LAT	LONG	⑨ SUN ELEV	SUN AZIM	⑩ IMAGE QUALITY RBV 123	MSS 45678	⑪ MSS DATA MODE	⑫ MSS IMAGE GAIN
2218-14563	00000/0000	2-10010/0718	08/28/75	70	3038	3435N	07514W	52 1	123 3		FFGG		
2218-14570	00000/0000	2-10010/0719	08/28/75	80	3038	3310N	07540W	52.6	121 4		FFGG		
2218-14572	00000/0000	2-10010/0720	08/28/75	60	3038	3143N	07605W	53 1	119 4		FGGG		
2218-14575	00000/0000	2-10010/0721	08/28/75	70	3038	3017N	07630W	53 6	117 4		FGGG		
2218-14581	00000/0000	2-10010/0722	08/28/75	50	3038	2851N	07654W	54.0	115 3		GG		H
2218-18190	00000/0000	2-10010/0723	08/28/75	90	3040	4850N	12140W	44 8	140 6		FFFF		
2218-18192	00000/0000	2-10010/0724	08/28/75	90	3040	4725N	12218W	45 6	139 0		FFFF		
2218-18195	00000/0000	2-10010/0725	08/28/75	90	3040	4600N	12253W	46 5	137.4		FFFF		

⑬ 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

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 Observation ID



④ 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
⑤ Date of observation
⑥ Estimated percent of cloud cover
⑦ Orbit number
⑧ Latitude and longitude at observation center (degrees and minutes)
⑨ Sun elevation and azimuth at observation center
⑩ Image quality; see key
⑪ MSS Data Mode; blank indicates the spacecraft signal compression mode was used to acquire bands 4, 5 and 6; "L" indicates all bands were acquired in the linear mode. See Landsat Data Users Handbook for further information.
⑫ MSS Image Gain; blank indicates all bands were acquired in low gain mode; "H" indicates bands 4 and 5 were acquired by the spacecraft in the high gain mode. See Landsat Data Users Handbook for further information.
⑬ Keys

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.

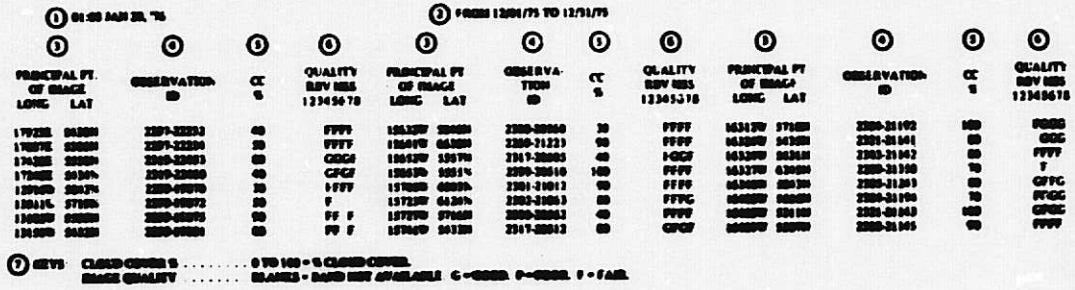


Figure 1-2. Coordinate Listing for Standard Catalog

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) Keys

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 Listing. The coordinate listing format contains the same information found in the observation ID listing, but is sorted by longitude/latitude.

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

(1) 01:42 SEP 30, '75 (2) FROM 07/23/74 TO 07/23/75

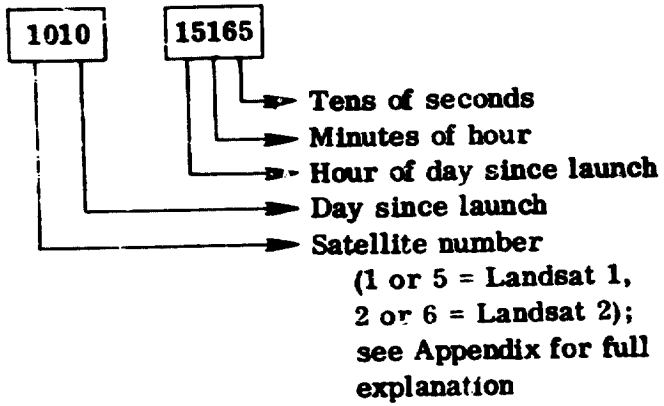
(3) PRINCIPAL POINT OF IMAGE LONG	LAT	(4) OBSERVATION ID	(5) MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	(6) DATE ACQUIRED	(7) CLOUD COVER %	(8) ORBIT NUMBER	(9) SUN ELEV.	SUN AZIM.	(10) IMAGE QUALITY RBV 123	MSS 4 5 6 7 8	(11) MSS DATA MODE	(12) MSS IMAGE GAIN
11555W	6128N	1817-18222	00000/0000	20080/1486	10/18/74	100	1393	17.7	162.8		GPPG		
11555W	2854N	1843-17334	00000/0000	1-20052/0105	11/13/74	60	1755	35.6	146.0		GPGP		
11555W	2851N	1861-17325	00000/0000	1-20052/0579	12/01/74	80	2006	31.7	147.0		PGPG		
11556W	7533N	1760-19453	00000/0000	20049/0149	08/22/74	0	599	26.2	180.1		PGGG		
11556W	2848N	1879-17321	00000/0000	1-20053/0085	12/19/74	90	2257	29.4	146.0		P PF		H
11557W	2851N	5059-17233	00000/0000	1-20058/0255	06/17/75	80	4767	58.1	91.6		GGGG		
11559W	7644N	1745-20025	00000/0000	1-20047/1484	08/07/74	10	390	29.7	184.0		GGPG		
11559W	7528N	1778-19445	00000/0000	1-20049/0949	09/09/74	50	850	19.8	181.2		GPGG		

(13) 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.

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 Observation ID



④ 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
⑤ Date of observation
⑥ Estimated percent of cloud cover
⑦ Orbit number
⑧ Latitude and longitude at observation center (degrees and minutes)
⑨ Sun elevation and azimuth at observation center
⑩ Image quality; see key
⑪ MSS Data Mode; blank indicates that the spacecraft signal compression mode was used to acquire bands 4, 5 and 6; "L" indicates all bands were acquired in the linear mode. See Landsat Data Users Handbook for further information.
⑫ MSS Image Gain; blank indicates all bands were acquired in low gain mode; "H" indicates bands 4 and 5 were acquired by the spacecraft in the high gain mode.
⑬ Keys

SECTION 2 — MICROFILM

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 1000 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.

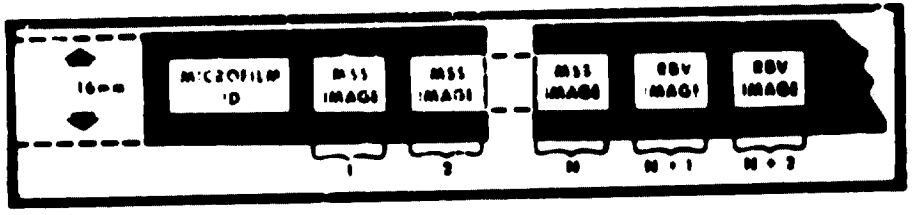


Figure 2-1. Microfilm Format

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.

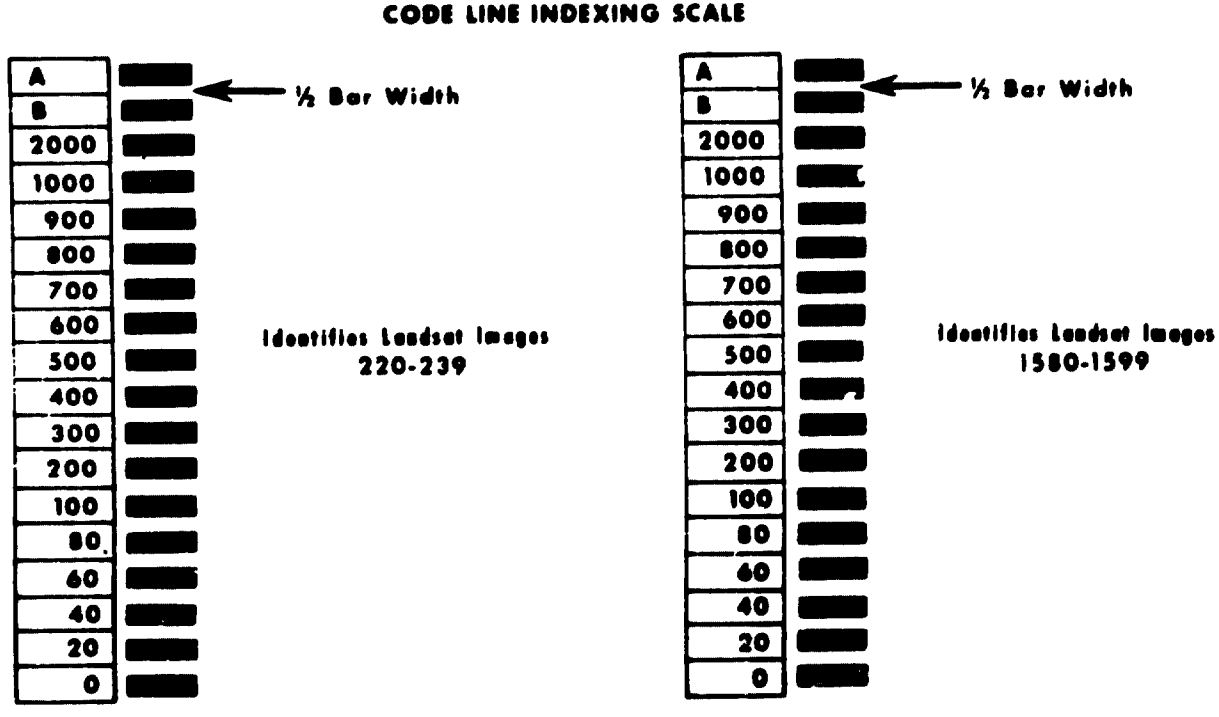


Figure 2-2. Code Line Indexing Scale

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 G, 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	9 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	22	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

SECTION 4
LANDSAT 1 COVERAGE

No Landsat 1 imagery was acquired during the months of December and January.

LANDSAT 1
OBSERVATION ID LISTING

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ ROLL IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
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
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	134.1		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

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LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

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 123	IMAGE QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
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	09363W	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		GFGG			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
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

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LANDSAT-1
OBSERVATION ID LISTING
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FROM 02/11/77 TO 02/28/77

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 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
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	128.5		GGGF			32	37
5659-15475	00000/0000	1-10055/0201	02/06/77	0	3133	3141N	10213W	23.6	127.8		GGGG			32	38
5659-15482	00000/0000	1-10055/0202	02/06/77	0	3133	3016N	10238W	24.3	127.1		GGGG			32	39
5659-15484	00000/0000	1-10055/0203	02/06/77	10	3133	2850N	10302W	25.0	126.3		GGGG			32	40
5659-15491	00000/0000	1-10055/0204	02/06/77	0	3133	2725N	10325W	25.6	125.6		GGGG			32	41
5660-14072	00000/0000	1-10055/0205	02/07/77	20	3146	4142N	07437W	18.9	132.5		GGGG			15	31
5660-14074	00000/0000	1-10055/0206	02/07/77	10	3146	4018N	07506W	19.6	131.9		GGGG			15	32
5660-14081	00000/0000	1-10055/0207	02/07/77	0	3146	3853N	07535W	20.3	131.2		GGGG			15	33
5660-14083	00000/0000	1-10055/0208	02/07/77	10	3146	3726N	07603W	21.1	130.5		GGGG			15	34
5660-14090	00000/0000	1-10055/0209	02/07/77	10	3146	3600N	07631W	21.8	129.7		GGGG			15	35
5660-14092	00000/0000	1-10055/0210	02/07/77	10	3146	3433N	07658W	22.5	129.0		GGGG			15	36
5660-14095	00000/0000	1-10055/0211	02/07/77	10	3146	3307N	07724W	23.1	128.3		GGGF			15	37
5660-14101	00000/0000	1-10055/0212	02/07/77	10	3146	3141N	07749W	23.8	127.6		GGGG			15	38
5660-14104	00000/0000	1-10055/0213	02/07/77	50	3146	3015N	07814W	24.5	126.8		GGGG			15	39
5660-14110	00000/0000	1-10055/0214	02/07/77	40	3146	2850N	07838W	25.1	126.1		GGGG			15	40
5660-14113	00000/0000	1-10055/0215	02/07/77	20	3146	2724N	07902W	25.8	125.3		GGGG			15	41
5660-14115	00000/0000	1-10055/0216	02/07/77	30	3146	2559N	07926W	26.4	124.6		GFGG			15	42
5660-15483	00000/0000	1-10055/0034	02/07/77	60	3147	4848N	09742W	15.1	136.0		GGGG			33	26
5660-15490	00000/0000	1-10055/0035	02/07/77	40	3147	4723N	09818W	15.9	135.3		GGGG			33	27
5660-15492	00000/0000	1-10055/0036	02/07/77	10	3147	4558N	09853W	16.6	134.6		GGGG			33	28
5660-15495	00000/0000	1-10055/0037	02/07/77	0	3147	4433N	09925W	17.4	133.9		GGGG			33	29
5660-15501	00000/0000	1-10055/0038	02/07/77	0	3147	4308N	09957W	18.2	133.2		GGGG			33	30

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FROM 02/11/77 TO 02/28/77

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ ROLL IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV 123	IMAGE QUAL MSS 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5660-15504	00000/0000	1-10055/00039	02/07/77	0	3147	4142N	10027W	18.9	132.5		GGGG			33	31
5660-15510	00000/0000	1-10055/00040	02/07/77	20	3147	4017N	10056W	19.6	131.8		GGGG			33	32
5660-15513	00000/0000	1-10055/00041	02/07/77	30	3147	3851N	10125W	20.4	131.1		GGGG			33	33
5660-15515	00000/0000	1-10055/00042	02/07/77	10	3147	3726N	10152W	21.1	130.4		GGGG			33	34
5660-15522	00000/0000	1-10055/00043	02/07/77	30	3147	3600N	10219W	21.8	129.7		GGGG			33	35
5660-15524	00000/0000	1-10055/00044	02/07/77	40	3147	3435N	10245W	22.5	129.0		GGGG			33	36
5660-15531	00000/0000	1-10055/00045	02/07/77	80	3147	3309N	10311W	23.2	128.3		GGGG			33	37
5660-15533	00000/0000	1-10055/00046	02/07/77	70	3147	3143N	10336W	23.8	127.6		GCGG			33	38
5660-15540	00000/0000	1-10055/00047	02/07/77	90	3147	3016N	10401W	24.5	126.8		GGGG			33	39
5660-15542	00000/0000	1-10055/00048	02/07/77	40	3147	2849N	10425W	25.1	126.1		GGGG			33	40
5660-15545	00000/0000	1-10055/00049	02/07/77	10	3147	2723N	10449W	25.8	125.3		GGFG			33	41
5661-15541	00000/0000	1-10055/00181	02/08/77	30	3161	4849N	09906W	15.4	135.8		GGGG			34	26
5661-15543	00000/0000	1-10055/00182	02/08/77	10	3161	4724N	09942W	16.1	135.1		GGGG			34	27
5661-15550	00000/0000	1-10055/00183	02/08/77	10	3161	4559N	10017W	16.9	134.4		GGGG			34	28
5661-15552	00000/0000	1-10055/00184	02/08/77	0	3161	4433N	10051W	17.7	133.7		GGGG			34	29
5661-15555	00000/0000	1-10055/00185	02/08/77	0	3161	4308N	10123W	18.4	133.0		GGGG			34	30
5661-15561	00000/0000	1-10055/00186	02/08/77	0	3161	4143N	10154W	19.1	132.3		GGGG			34	31
5661-15564	00000/0000	1-10055/00187	02/08/77	0	3161	4017N	10224W	19.9	131.6		FGGG			34	32
5661-15570	00000/0000	1-10055/00188	02/08/77	0	3161	3851N	10252W	20.6	130.9		GGGG			34	33
5661-15573	00000/0000	1-10055/00189	02/08/77	0	3161	3725N	10320W	21.3	130.2		FGGG			34	34
5661-15575	00000/0000	1-10055/00190	02/08/77	0	3161	3559N	10348W	22.0	129.5		FGGG			34	35
5661-15582	00000/0000	1-10055/00191	02/08/77	30	3161	3433N	10414W	22.7	128.7		GGGG			34	36
5661-15584	00000/0000	1-10055/00180	02/08/77	40	3161	3307N	10440W	23.4	128.0		G GG			34	37
5661-15591	00000/0000	1-10055/00192	02/08/77	20	3161	3141N	10506W	24.0	127.3		GGGG			34	38
5661-15593	00000/0000	1-10055/00193	02/08/77	10	3161	3015N	10530W	24.7	126.5		FGGG			34	39
5661-16000	00000/0000	1-10055/00194	02/08/77	80	3161	2849N	10555W	25.3	125.8		GGGG			34	40
5662-14190	00000/0000	1-10055/00217	02/09/77	80	3174	4017N	07802W	20.1	13		GGG			17	32
5662-14193	00000/0000	1-10055/00218	02/09/77	30	3174	3851N	07831W	20.8	13		FGGG			17	33
5662-14195	00000/0000	1-10055/00219	02/09/77	10	3174	3725N	07859W	21.5	130.0		GGGG			17	34
5662-14202	00000/0000	1-10055/00220	02/09/77	0	3174	3600N	07925W	22.2	129.2		GGFG			17	35
5662-14204	00000/0000	1-10055/00221	02/09/77	0	3174	3435N	07951W	22.9	128.5		GGGG			17	36
5662-14211	00000/0000	1-10055/00222	02/09/77	10	3174	3309N	08016W	23.6	127.8		GGGG			17	37
5662-14213	00000/0000	1-10055/00223	02/09/77	60	3174	3143N	08041W	24.2	127.0		GGGG			17	38
5662-14220	00000/0000	1-10055/00224	02/09/77	80	3174	3016N	08106W	24.9	126.3		GGGG			17	39
5662-14222	00000/0000	1-10055/00225	02/09/77	60	3174	2849N	08131W	25.5	125.5		GGGG			17	40
5662-15595	00000/0000	1-10055/00064	02/09/77	10	3175	4846N	10033W	15.6	135.7		FFFF			35	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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5662-16001	00000/0000	1-10055/0065	02/09/77	0	3175	4722N	10110W	16.4	134.9		GGGG			35	27
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	3725N	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	3844N	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

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LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

OBSERVATION ID	MICRO FILM 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 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5664-14331	00000/0000	1-10055/0113	02/11/77	0	3202	3018N	08359W	25.3	125.7		GFG			19	39
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		GGG			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		FFFG			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

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LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

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 123	IMAGE-QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5667-14492	00000/0000	1-10055/0116	02/14/77	0	3244	3309N	08727W	24.7	126.5		FGGG			22	37
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
5669-16410	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
5670-15064	00000/0000	1-10055/0253	02/17/77	10	3286	3144N	09210W	26.1	124.8		GGG3			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		GGG3			43	37
5670-16500	00000/0000	1-10055/0233	02/17/77	90	3287	3143N	11801W	26.1	124.8		GGGG			43	38
5671-15090	00000/0000	1-10055/0254	02/18/77	30	3300	4310N	08958W	21.1	130.9		GGG3			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

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LANDSAT-1
OBSERVATION ID LISTING
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FROM 02/11/77 TO 02/28/77

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 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
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
5671-165 0	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
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 3			45	33
5672-16594	00000/0000	1-10055/0310	02/19/77	20	3315	3726N	11900W	24.1	127.5		GGGG			45	34
5672-17000	00000/0000	1-10055/0311	02/19/77	30	3315	3600N	11930W	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

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

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 123	IMAGE-QUAL MSS 4567S	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
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

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

LANDSAT-1
OBSERVATION ID LISTING
FOR ALASKA
FROM 02/11/77 TO 02/28/77

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 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
9670-20052	00000/0000	1-10055/0226	02/17/77	50	9289	6930N	14746W	6.1	150.5		GGGG		H	79	11

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LANDSAT 1
COORDINATE LISTING

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
08642W	4726N	5656-13430	40	GGGG	11	27	08231W	3016N	5663-14274	0	GGGG	18	39
08717W	4600N	5656-13433	40	GGGG	11	28	08242W	3437N	5664-14320	50	GGGG	19	36
08751W	4435N	5656-13435	40	GGGF	11	29	08255W	2851N	5663-14280	10	GGGG	18	40
06824W	4309N	5656-13442	50	GGGG	11	30	08308W	3311N	5664-14322	20	GGGG	19	37
08856W	4143N	5656-13444	70	GGGG	11	31	08334W	3144N	5664-14325	10	GGGG	19	38
06926W	4017N	5656-13451	70	GGGG	11	32	08359W	3018N	5664-14331	0	GFG	19	39
07437W	4142N	5660-14072	20	GGGG	15	31	08636W	3601N	5667-14483	60	GGG	22	35
07506W	4018N	5660-14074	10	GGGG	15	32	08702W	3435N	5667-14490	10	FGGG	22	36
07535W	3853N	5660-14081	0	GGGG	15	33	08727W	3309N	5667-14492	0	FGGG	22	37
07603W	3726N	5660-14083	10	GGGG	15	34	08753W	3143N	5667-14495	0	GGG	22	38
07631W	3600N	5660-14090	10	GGGG	15	35	08817W	3018N	5667-14501	0	GGG	22	39
07658W	3433N	5660-14092	10	GGGG	15	36	08902W	4144N	5670-15035	60	GGFG	25	31
07724W	3307N	5660-14095	10	GGGF	15	37	08931W	4018N	5670-15041	30	GGGG	25	32
07749W	3141N	5660-14101	10	GGGG	15	38	08958W	4310N	5671-15090	30	GGGG	26	30
07802W	4017N	5662-14190	80	GGG	17	32	09000W	3853N	5670-15044	50	GGGG	25	33
07814W	3015N	5660-14104	50	GGGG	15	39	09028W	3727N	5670-15050	70	GGGG	25	34
07831W	3851N	5662-14193	30	FGGG	17	33	09029W	4144N	5671-15093	60	GGGG	26	31
07838W	2850N	5660-14110	40	GGGG	15	40	09054W	3601N	5670-15053	40	GGGG	25	35
07859W	3725N	5662-14195	10	GGGG	17	34	09058W	4018N	5671-15095	50	GGGG	26	32
07902W	2724N	5660-14113	20	GGGG	15	41	09120W	3435N	5670-15055	30	GGGG	25	36
07925W	3600N	5662-14202	0	GGFG	17	35	09127W	3852N	5671-15102	0	GGGG	26	33
07926W	2559N	5660-14115	30	GFGG	15	42	09145W	3309N	5670-15062	10	GGGG	25	37
07951W	3435N	5662-14204	0	GGGG	17	36	09154W	3726N	5671-15104	0	GGGG	26	34
08016W	3309N	5662-14211	10	GGGG	17	37	09210W	3144N	5670-15064	10	GGGG	25	38
08024W	4144N	5664-14295	20	GGGF	19	31	09220W	3601N	5671-15111	0	GGGG	26	35
08041W	3143N	5662-14213	60	GGGG	17	38	09246W	3436N	5671-15113	20	GGGG	26	36
08051W	3558N	5663-14260	0	GGGG	18	35	09249W	3852N	5654-15173	0	GGGG	27	33
08053W	4019N	5664-14302	10	GGGG	19	32	09312W	3310N	5671-15120	50	GGGG	26	37
08106W	3016N	5662-14220	80	GGGG	17	39	09316W	3726N	5654-15180	0	GGGG	27	34
08118W	3432N	5663-14262	0	GGGG	18	36	09323W	4848N	5657-15313	10	GGGG	30	26
08121W	3854N	5664-14304	0	FGGG	19	33	09337W	3144N	5671-15122	60	GGGG	26	38
08131W	2849N	5662-14222	60	GGGG	17	40	09341W	4433N	5674-15253	60	GFGG	29	29
08143W	3307N	5663-14265	0	GGGG	18	37	09344W	3600N	5654-15182	10	GGGG	27	35
08148W	3729N	5664-14311	10	GGGG	19	34	09347W	3600N	5672-15165	20	GGGG	27	35
08207W	3141N	5663-14271	0	FGGG	18	38	09400W	4723N	5657-15320	30	GGGG	30	27
08215W	3603N	5664-14313	10	GGG	19	35	09402W	3017N	5671-15125	70	GGGG	26	39

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LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
09410W	3434N	5654-15185	0	FGGG	27	36	09737W	3726N	5657-15345	0	GGGG	30	34
09413W	4308N	5674-15260	30	FGGG	29	30	09742W	4848N	5660-15483	60	GGGG	33	26
09413W	3435N	5672-15171	30	GGGG	27	36	09742W	2725N	5673-15250	10	GGGG	28	41
09419W	3854N	5673-15214	10	GGGG	28	33	09756W	3143N	5674-15292	10	GGGG	29	38
09426W	2852N	5671-15131	30	GGGG	26	40	09804W	3600N	5657-15352	0	GGGG	30	35
09434W	4559N	5657-15322	10	GGGG	30	28	09805W	2559N	5673-15252	30	GGGG	28	42
09436W	3308N	5654-15191	10	GGGG	27	37	09807W	4017N	5658-15394	10	GGG	31	32
09438W	3309N	5672-15174	20	GGGG	27	37	09818W	4723N	5660-15490	40	G3GG	33	27
09444W	4143N	5674-15262	10	GGGG	29	31	09820W	3017N	5674-15294	40	GGGG	29	39
09448W	3728N	5673-15220	10	GGGG	28	34	09830W	3434N	5657-15354	10	GFGG	30	36
09450W	4848N	5658-15371	10	GGG	31	26	09835W	3851N	5658-15401	0	GGGF	31	33
09450W	2726N	5671-15134	60	GGGG	26	41	09844W	2851N	5674-15301	60	GGGF	29	40
09503W	3144N	5672-15180	30	GGFG	27	38	09853W	4558N	5660-15492	10	GGGG	33	28
09507W	4434N	5657-15325	70	GGGG	30	29	09856W	3308N	5657-15361	10	GGGG	30	37
09514W	4018N	5674-15265	0	GGGG	29	32	09903W	3726N	5658-15403	0	GGGG	31	34
09514W	3602N	5673-15223	10	GGGG	28	35	09906W	4849N	5661-15541	30	G3GG	34	26
09526W	4723N	5658-15374	10	GGGG	31	27	09908W	2726N	5674-15303	70	GGGG	29	41
09528W	3018N	5672-15183	60	GFGG	27	39	09921W	3142N	5657-15363	10	GGGG	30	38
09540W	4309N	5657-15331	80	GGGG	30	30	09925W	4433N	5660-15495	0	GGGG	33	29
09540W	3436N	5673-15225	0	GGGG	28	36	09930W	3600N	5658-15410	0	GGGG	31	35
09543W	3852N	5674-15271	0	GGGG	29	33	09931W	2601N	5674-15310	90	GGGG	29	42
09601W	4558N	5658-15380	10	GGGG	31	28	09932W	4016N	5659-15452	80	GGGG	32	32
09605W	3309N	5673-15232	0	GGGG	28	37	09942W	4724N	5661-15543	10	GGGG	34	27
09611W	4143N	5657-15334	90	GGGG	30	31	09945W	3016N	5657-15370	10	GGGG	30	39
09611W	3726N	5674-15274	10	GGG	29	34	09956W	3434N	5658-15412	0	GGGG	31	36
09630W	3144N	5673-15234	0	GGGG	28	38	09957W	4308N	5660-15501	0	GGGG	33	30
09634W	4433N	5658-15383	10	GGGG	31	29	10001W	3851N	5659-15455	50	GGGG	32	33
09639W	3601N	5674-15280	0	GGGG	29	35	10009W	2850N	5657-15372	0	FGGG	30	40
09640W	4017N	5657-15340	70	GGGG	30	32	10017W	4559N	5661-15550	10	GGGG	34	28
09654W	3018N	5673-15241	0	GGGG	28	39	10022W	3308N	5658-15419	0	GGGG	31	37
09705W	3435N	5674-15283	0	GGGG	29	36	10027W	4142N	5660-15504	0	GGGG	33	31
09706W	4308N	5658-15385	40	GGGG	31	30	10029W	3726N	5659-15461	30	GGGG	32	34
09709W	3851N	5657-15343	30	FGFG	30	33	10033W	4846N	5662-15595	10	FFFF	35	26
09718W	2851N	5673-15243	0	GGGG	28	40	10033W	2724N	5657-15375	10	GGGG	30	41
09731W	3309N	5674-15285	0	GGGG	29	37	10047W	3142N	5658-15421	0	GGGG	31	38
09737W	4143N	5658-15392	10	GGGG	31	31	10051W	4433N	5661-15552	0	GGGG	34	29

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LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
10056W	4017N	5660-15510	20	GGGG	33	32	10414W	3433N	5661-15582	30	GGGG	34	36
10056W	3600N	5659-15464	20	GFGG	32	35	10419W	3851N	5662-16024	0	GGGG	35	33
10056W	2558N	5657-15381	10	GGGG	30	42	10425W	2849N	5660-15542	40	GGGG	33	40
10110W	4722N	5662-16001	0	GGGG	35	27	10438W	4559N	5664-16120	20	GGGG	37	28
10111W	3016N	5658-15424	0	GGGG	31	39	10440W	3307N	5661-15584	40	G GG	34	37
10123W	4308N	5661-15555	0	GGGG	34	30	10444W	4144N	5663-16073	0	GGGG	36	31
10123W	3434N	5659-15470	10	GGGG	32	36	10447W	3726N	5662-16031	0	GGGG	35	34
10125W	3851N	5660-15513	30	GGGG	33	33	10449W	2723N	5660-15545	10	GGFG	33	41
10135W	2850N	5658-15430	0	GGGG	31	40	10454W	4850N	5665-16164	10	GGGG	38	26
10144W	4557N	5662-16004	0	GGGG	35	28	10506W	3141N	5661-15591	20	GGGG	34	38
10148W	3307N	5659-15473	10	GGGF	32	37	10511W	4435N	5664-16122	50	GGGG	37	29
10152W	3726N	5660-15515	10	GGGG	33	34	10515W	4019N	5663-16080	0	GGGG	36	32
10154W	4143N	5661-15561	0	GGGG	34	31	10515W	3600N	5662-16033	0	GGGG	35	35
10157W	4848N	5663-16053	10	3GGG	36	26	10530W	3015N	5661-15593	10	F3GG	34	39
10158W	2724N	5658-15433	0	GGGG	31	41	10531W	4725N	5665-16171	90	GGGG	38	27
10213W	3141N	5659-15475	0	GGGG	32	38	10541W	3434N	5662-16040	0	GGGG	35	36
10217W	4432N	5662-16010	0	GGGG	35	29	10543W	4310N	5664-16125	40	GGGG	37	30
10219W	3600N	5660-15522	30	GGGG	33	35	10544W	3853N	5663-16082	0	GGGG	36	33
10224W	4017N	5661-15564	0	FGGG	34	32	10555W	2849N	5661-16000	80	GGGG	34	40
10234W	4723N	5663-16055	10	GGGG	36	27	10605W	4600N	5665-16173	90	GGGG	38	28
10238W	3016N	5659-15482	0	GGGG	32	39	10605W	3308N	5662-16042	0	GGGG	35	37
10245W	3435N	5660-15524	40	GGGG	33	36	10612W	3728N	5663-16085	30	GGGG	36	34
10249W	4307N	5662-16013	0	GGGG	35	30	10613W	4145N	5664-16131	40	GGGG	37	31
10252W	3851N	5661-15570	0	GGGG	34	33	10630W	3142N	5662-16045	10	GGGG	35	38
10302W	2850N	5659-15484	10	GGGG	32	40	10638W	4435N	5665-16180	80	GGGG	38	29
10308W	4559N	5663-16062	10	GGGG	36	28	10643W	4019N	5664-16134	70	GGGG	37	32
10311W	3309N	5660-15531	80	GGGG	33	37	10654W	3016N	5662-16051	10	GGGG	35	39
10320W	4141N	5662-16015	10	GGGG	35	31	10710W	4309N	5665-16182	40	GGGG	38	30
10320W	3725N	5661-15573	0	FGGG	34	34	10712W	3853N	5664-16140	40	GGGG	37	33
10325W	2725N	5659-15491	0	GGGG	32	41	10740W	4143N	5665-16185	80	GGGG	38	31
10336W	3143N	5660-15533	70	GGGG	33	38	10740W	3727N	5664-16143	40	GGGG	37	34
10342W	4434N	5663-16064	0	GGGG	36	29	10807W	3601N	5664-16145	30	GGGG	37	35
10348W	3559N	5661-15575	0	FGGG	34	35	10810W	4017N	5665-16191	50	GGGG	38	32
10350W	4016N	5662-16022	10	GGGG	35	32	10833W	3435N	5664-16152	20	GGGG	37	36
10401W	3016N	5660-15540	90	GGGG	33	39	10839W	3851N	5665-16194	10	GGGG	38	33
10414W	4310N	5663-16071	0	GGGG	36	30	10858W	3309N	5664-16154	10	GGGG	37	37

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
10907W	3726N	5665-16200	10	GGGG	38	34	11612W	3309N	5669-16440	0	GGGG	42	37
10923W	3143N	5664-16161	0	GGGF	37	38	11615W	4142N	5671-16524	0	GGGG	44	31
10934W	3600N	5665-16203	0	GGG	38	35	11619W	3727N	5670-16482	60	GGGG	43	34
10948W	3017N	5664-16163	0	GGFF	37	39	11636W	4433N	5672-16573	0	GGFG	45	29
10959W	3435N	5665-16205	0	GFGG	38	36	11637W	3144N	5669-16442	10	GGGG	42	38
11005W	3850N	5666-16252	10	GGGG	39	33	11645W	4017N	5671-16531	10	GGGG	44	32
11025W	3310N	5665-16212	0	GGGG	38	37	11646W	3602N	5670-16484	40	GGGG	43	35
11032W	3725N	5666-16254	0	GGGG	39	34	11709W	4308N	5672-16580	10	GGGG	45	30
11049W	3144N	5665-16214	0	GGGG	38	38	11712W	3436N	5670-16491	10	GGGG	43	36
11059W	3600N	5666-16261	0	FFGF	39	35	11714W	3852N	5671-16533	20	GGGG	44	33
11114W	3018N	5665-16221	0	GFGG	38	39	11729W	4600N	5655-17042	70	FGGG	46	28
11125W	3434N	5666-16263	0	FGGG	39	36	11737W	3310N	5670-16493	40	GGGG	43	37
11130W	3851N	5667-16310	10	GGGG	40	33	11741W	4852N	5656-17091	60	GGGG	47	26
11151W	3309N	5666-16270	0	FFGG	39	37	11741W	4142N	5672-16582	0	GGGG	45	31
11158W	3726N	5667-16312	10	GGFG	40	34	11742W	3727N	5671-16540	10	GFGG	44	34
11216W	3143N	5666-16272	0	FGGG	39	38	11801W	3143N	5670-16500	90	GGGG	43	38
11224W	3600N	5667-16315	0	GGGG	40	35	11803W	4434N	5655-17045	20	GGGG	46	29
11240W	3017N	5666-16275	0	FFFG	39	39	11808W	4020N	5654-17002	30	GGGG	45	32
11250W	3435N	5667-16321	0	GGGG	40	36	11810W	3601N	5671-16542	0	GGGG	44	35
11254W	4308N	5669-16410	40	GGGG	42	30	11811W	4016N	5672-16585	0	GGGG	45	32
11316W	3309N	5667-16324	0	GGGG	40	37	11818W	4727N	5656-17093	90	GGGG	47	27
11325W	4143N	5669-16413	10	GGGG	42	31	11835W	4309N	5655-17051	20	GGGG	46	30
11327W	4848N	5671-16504	10	GGGG	44	26	11836W	3854N	5654-17005	30	GGGG	45	33
11341W	3143N	5667-16330	10	G GG	40	38	11836W	3435N	5671-16545	20	GGGG	44	36
11355W	4018N	5669-16415	10	GGFG	42	32	11839W	3851N	5672-16591	10	GG G	45	33
11404W	4723N	5671-16510	20	GGGG	44	27	11853W	4601N	5656-17100	80	GGGG	47	28
11424W	3853N	5669-16422	0	GGGF	42	33	11901W	3309N	5671-16551	90	GGGG	44	37
11438W	4557N	5671-16513	70	GGGG	44	28	11904W	3728N	5654-17011	40	GGGG	45	34
11452W	3727N	5669-16424	0	GFGG	42	34	11906W	4144N	5655-17054	10	GGGG	46	31
11512W	4433N	5671-16515	50	GGGG	44	29	11907W	4852N	5657-17145	70	GFGG	48	26
11519W	3601N	5669-16431	0	GFFG	42	35	11907W	3726N	5672-16594	20	GGGG	45	34
11521W	4018N	5670-16473	50	GGGG	43	32	11927W	4435N	5656-17102	30	GGGG	47	29
11544W	4308N	5671-16522	40	GFGG	44	30	11932W	3602N	5654-17014	70	GGGG	45	35
11546W	3435N	5669-16433	0	GGFG	42	36	11935W	3600N	5672-17000	30	GGGG	45	35
11550W	3853N	5670-16475	40	GGGG	43	33	11936W	4019N	5655-17060	0	GGGG	46	32
11602W	4558N	5672-16571	0	GGGF	45	28	11944W	4727N	5657-17151	90	GFGG	48	27

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

LANDSAT-1
COORDINATE LISTINGS
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
11958W	3436N	5654-17020	80	GGGG	45	36	12127W	3437N	5655-17074	50	GGGG	46	36
11959W	4309N	5656-17105	0	GGGG	47	30	12130W	3853N	5656-17120	30	FGGG	47	33
12001W	3434N	5672-17003	50	GGGG	45	36	12152W	3311N	5655-17081	70	GGGG	46	37
12005W	3855N	5655-17063	10	FGGG	46	33	12157W	4145N	5657-17165	0	FGGG	48	31
12019W	4601N	5657-17154	70	FFGG	48	28	12158W	3728N	5656-17123	40	GGGG	47	34
12024W	3310N	5654-17023	90	GGGG	45	37	12225W	3604N	5656-17125	20	GGGF	47	35
12031W	4144N	5656-17111	0	GGGG	47	31	12227W	4020N	5657-17172	10	GFGG	48	32
12033W	3729N	5655-17065	60	GGGG	46	34	12252W	3438N	5656-17132	40	GGGG	47	36
12053W	4436N	5657-17160	20	GFGG	48	29	12256W	3855N	5657-17174	20	FGG	48	33
12100W	3603N	5655-17072	50	GGGG	46	35	12325W	3729N	5657-17181	60	FFGG	48	34
12101W	4019N	5656-17114	10	GGGG	47	32	12352W	3603N	5657-17185	80	GFFF	48	35
12126W	4311N	5657-17163	10	GGGG	48	30							

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

LANDSAT-1
COORDINATE LISTING
FOR ALASKA
FROM 02/11/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
14746W	6930N	D#= D8W	0	D#GGG	79	11							

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

SECTION 5
LANDSAT 2 COVERAGE

LANDSAT 2
OBSERVATION ID LISTING

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2735-17372	00000/0000	2-10027/0012	01/26/77	80	249	4854N	11444W	16.2	147.0		FGGG			45	26
2735-17375	00000/0000	2-10027/0013	01/26/77	30	249	4729N	11520W	17.2	146.3		FFGG			45	27
2735-17381	00000/0000	2-10027/0014	01/26/77	30	249	4604N	11556W	18.2	145.6		FFGF			45	28
2735-17384	00000/0000	2-10027/0015	01/26/77	40	249	4438N	11630W	19.2	144.9		FGGG			45	29
2735-17390	00000/0000	2-10027/0016	01/26/77	50	249	4313N	11703W	20.2	144.2		FGGG			45	30
2735-17393	00000/0000	2-10027/0017	01/26/77	10	249	4148N	11734W	21.1	143.5		FGGF			45	31
2735-17395	00000/0000	2-10027/0018	01/26/77	0	249	4021N	11804W	22.1	142.8		GGGG			45	32
2735-17402	00000/0000	2-10027/0019	01/26/77	10	249	3856N	11834W	23.1	142.1		GG3			45	33
2735-17404	00000/0000	2-10027/0020	01/26/77	10	249	3730N	11902W	24.0	141.4		FGGG			45	34
2735-17411	00000/0000	2-10027/0021	01/26/77	60	249	3604N	11929W	24.9	140.7		GGFF			45	35
2735-17413	00000/0000	2-10027/0022	01/26/77	10	249	3438N	11956W	25.9	140.0		FFGG			45	36
2735-17420	00000/0000	2-10027/0023	01/26/77	10	249	3312N	12022W	26.8	139.2		FGFF			45	37
2736-16031	00000/0000	2-10027/0152	01/27/77	0	262	3730N	09436W	24.2	141.2		GGGG			28	34
2736-16033	00000/0000	2-10027/0153	01/27/77	0	262	3604N	09505W	25.1	140.5		GGGG			28	35
2736-16040	00000/0000	2-10027/0154	01/27/77	20	262	3439N	09532W	26.0	139.8		GGGG			28	36
2736-16042	00000/0000	2-10027/0155	01/27/77	80	262	3313N	09558W	26.9	139.0		GGGG			28	37
2736-16045	00000/0000	2-10027/0156	01/27/77	10	262	3147N	09623W	27.8	138.3		GGGG			28	38
2736-16051	00000/0000	2-10027/0157	01/27/77	10	262	3020N	09649W	28.7	137.5		GGGG			28	39
2736-16054	00000/0000	2-10027/0158	01/27/77	30	262	2854N	09713W	29.6	136.7		GGGG			28	40
2736-16060	00000/0000	2-10027/0159	01/27/77	60	262	2728N	09737W	30.5	135.9		GGGG			28	41
2736-16063	00000/0000	2-10027/0160	01/27/77	30	262	2602N	09800W	31.3	135.0		GGGG			28	42
2736-17433	00000/0000	2-10027/0161	01/27/77	70	263	4729N	11647W	17.4	146.1		GGGG			46	27
2736-17435	00000/0000	2-10027/0162	01/27/77	30	263	4604N	11722W	18.4	145.4		GGGG			46	28
2736-17442	00000/0000	2-10027/0163	01/27/77	30	263	4440N	11756W	19.4	144.8		GGGG			46	29
2736-17444	00000/0000	2-10027/0164	01/27/77	10	263	4314N	11829W	20.4	144.1		GGGG			46	30
2736-17451	00000/0000	2-10027/0165	01/27/77	0	263	4148N	11900W	21.3	143.4		GGGG			46	31
2736-17453	00000/0000	2-10027/0166	01/27/77	10	263	4022N	11930W	22.3	142.7		GGGG			46	32
2736-17460	00000/0000	2-10027/0167	01/27/77	10	263	3856N	11959W	23.2	141.9		GGGG			46	33
2736-17462	00000/0000	2-10027/0168	01/27/77	50	263	3730N	12028W	24.2	141.2		GGGG			46	34
2736-17465	00000/0000	2-10027/0169	01/27/77	50	263	3604N	12055W	25.1	140.5		GGGG			46	35
2736-17474	00000/0000	2-10027/0170	01/27/77	80	263	3311N	12147W	27.0	139.0		FGGG			46	37
2737-14224	00000/0000	2-10027/0034	01/28/77	10	275	4726N	06636W	17.6	146.0		GGGG			11	27
2737-14231	00000/0000	2-10027/0035	01/28/77	10	275	4601N	06711W	18.6	145.3		GGGG			11	28
2737-14233	00000/0000	2-10027/0036	01/28/77	10	275	4435N	06745W	19.6	144.6		GGGG			11	29
2737-14240	00000/0000	2-10027/0037	01/28/77	20	275	4310N	06818W	20.6	143.9		GGGG			11	30
2737-14242	00000/0000	2-10027/0038	01/28/77	20	275	4145N	06849W	21.5	143.2		FFGG			11	31

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

OBSERVATION ID	MICRO-FILM 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 123	IMAGE-QUAL MSS 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2737-14245	00000/0000	2-10027/0039	01/28/77	20	275	4019N	06919W	22.5	142.5		FFGF			11	32
2737-14053	00000/0000	2-10027/0040	01/28/77	30	276	4851N	09149W	16.7	146.7		GGGG			29	26
2737-14060	00000/0000	2-10027/0041	01/28/77	30	276	4726N	09225W	17.7	146.0		GGGG			29	27
2737-14062	00000/0000	2-10027/0042	01/28/77	10	276	4601N	09300W	18.6	145.3		GGGG			29	28
2737-14065	00000/0000	2-10027/0043	01/28/77	30	276	4436N	09334W	19.6	144.6		GGGG			29	29
2737-14071	00000/0000	2-10027/0044	01/28/77	60	276	4310N	09407W	20.6	143.9		GGGG			29	30
2737-14074	00000/0000	2-10027/0045	01/28/77	30	276	4145N	09437W	21.6	143.2		GGGG			29	31
2737-14080	00000/0000	2-10027/0046	01/28/77	10	276	4020N	09507W	22.5	142.5		GGGG			29	32
2737-14083	00000/0000	2-10027/0050	01/28/77	0	276	3854N	09536W	23.5	141.7		FGGG			29	33
2737-14085	00000/0000	2-10027/0051	01/28/77	10	276	3728N	09604W	24.4	141.0		FGGF			29	34
2737-14092	00000/0000	2-10027/0052	01/28/77	10	276	3602N	09632W	25.3	140.3		FFGG			29	35
2737-14094	00000/0000	2-10027/0053	01/28/77	0	276	3436N	09658W	26.2	139.5		FGGG			29	36
2737-14103	00000/0000	2-10027/0054	01/28/77	20	276	3144N	09750W	28.0	138.0		FGGG			29	38
2737-14110	00000/0000	2-10027/0055	01/28/77	0	276	3017N	09815W	28.9	137.2		GFGG			29	39
2737-14115	00000/0000	2-10027/0056	01/28/77	50	276	2725N	09903W	30.7	135.6		FGFG			29	41
2737-14121	00000/0000	2-10027/0057	01/28/77	40	276	2559N	09926W	31.5	134.7		FGGG			29	42
2737-17485	00000/0000	2-10027/0058	01/28/77	40	277	4855N	11735W	16.7	146.7		FGGG			47	26
2737-17491	00000/0000	2-10027/0059	01/28/77	90	277	4730N	11812W	17.6	146.0		FGGG			47	27
2737-17494	00000/0000	2-10027/0060	01/28/77	80	277	4605N	11848W	18.6	145.3		FGGG			47	28
2737-17500	00000/0000	2-10027/0061	01/28/77	10	277	4439N	11921W	19.6	144.6		GGGP			47	29
2737-17503	00000/0000	2-10027/0062	01/28/77	0	277	4314N	11954W	20.6	143.9		GGGG			47	30
2737-17505	00000/0000	2-10027/0063	01/28/77	0	277	4148N	12026W	21.5	143.2		FGGG			47	31
2737-17512	00000/0000	2-10027/0064	01/28/77	10	277	4022N	12056W	22.5	142.5		FGGG			47	32
2737-17514	00000/0000	2-10027/0065	01/28/77	40	277	3856N	12125W	23.4	141.8		FGGG			47	33
2737-17521	00000/0000	2-10027/0066	01/28/77	40	277	3730N	12153W	24.4	141.0		PFFF			47	34
2737-17523	00000/0000	2-10027/0067	01/28/77	10	277	3605N	12221W	25.3	140.3		FGF3			47	35
2737-17530	00000/0000	2-10027/0068	01/28/77	40	277	3438N	12247W	26.2	139.6		FGGF			47	36
2738-14282	00000/0000	2-10027/0069	01/29/77	80	289	4726N	06804W	17.9	145.8		GFG			12	27
2738-14285	00000/0000	2-10027/0070	01/29/77	20	289	4601N	06839W	18.9	145.1		GGG			12	28
2738-14231	00000/0000	2-10027/0071	01/29/77	10	289	4436N	06913W	19.8	144.4		GGG			12	29
2738-14294	00000/0000	2-10027/0072	01/29/77	30	289	4310N	06945W	20.8	143.7		FGGG			12	30
2738-14300	00000/0000	2-10027/0073	01/29/77	30	289	4145N	07016W	21.8	143.0		GGGG			12	31
2738-14303	00000/0000	2-10027/0074	01/29/77	90	289	4019N	07046W	22.7	142.3		GGGG			12	32
2738-14305	00000/0000	2-10027/0075	01/29/77	90	289	3854N	07115W	23.7	141.6		GGGG			12	33
2738-14312	00000/0000	2-10027/0076	01/29/77	90	289	3728N	07143W	24.6	140.8		GGGG			12	34
2738-14314	00000/0000	2-10027/0077	01/29/77	90	289	3601N	07211W	25.5	140.1		GGGG			12	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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ ROLL IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV 123	MSS 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBE
2738-16114	00000/0000	2-10027/0126	01/29/77	20	290	4727N	09351W	17.9	145.8		GGGG			30	27
2738-16120	00000/0000	2-10027/0127	01/29/77	50	290	4601N	09426W	18.9	145.1		FGGG			30	28
2738-16123	00000/0000	2-10027/0128	01/29/77	20	290	4436N	09501W	19.8	144.4		GGGG			30	29
2738-16125	00000/0000	2-10027/0129	01/29/77	10	290	4310N	09533W	20.8	143.7		GGG3			30	30
2738-16132	00000/0000	2-10027/0130	01/29/77	0	290	4144N	09605W	21.8	143.0		GGGG			30	31
2738-16134	00000/0000	2-10027/0131	01/29/77	0	290	4019N	09634W	22.7	142.3		GGGG			30	32
2738-16141	00000/0000	2-10027/0132	01/29/77	0	290	3853N	09703W	23.7	141.5		GGGG			30	33
2738-16143	00000/0000	2-10027/0133	01/29/77	0	290	3728N	09731W	24.6	140.8		GGGG			30	34
2738-16150	00000/0000	2-10027/0134	01/29/77	0	290	3602N	09758W	25.5	140.1		GFFF			30	35
2738-16152	00000/0000	2-10027/0135	01/29/77	0	290	3436N	09825W	26.4	139.3		GFGG			30	36
2738-16155	00000/0000	2-10027/0136	01/29/77	50	290	3310N	09851W	27.3	138.6		GGFG			30	37
2738-16161	00000/0000	2-10027/0137	01/29/77	50	290	3144N	09916W	28.2	137.8		GGGG			30	38
2738-16164	00000/0000	2-10027/0138	01/29/77	30	290	3018N	09941W	29.1	137.0		GGGG			30	39
2738-16170	00000/0000	2-10027/0139	01/29/77	40	290	2851N	10005W	30.0	136.2		GGGG			30	40
2738-16173	00000/0000	2-10027/0140	01/29/77	60	290	2725N	10029W	30.8	135.3		GGGG			30	41
2738-16175	00000/0000	2-10027/0141	01/29/77	40	290	2559N	10052W	31.7	134.5		GGGG			30	42
2738-17543	00000/0000	2-10027/0142	01/29/77	30	291	4852N	11906W	16.9	146.5		GGGG			48	26
2738-17545	00000/0000	2-10027/0143	01/29/77	50	291	4727N	11942W	17.9	145.8		GGGG			48	27
2738-17552	00000/0000	2-10027/0144	01/29/77	80	291	4602N	12017W	18.9	145.1		GGGG			48	28
2738-17554	00000/0000	2-10027/0145	01/29/77	30	291	4436N	12050W	19.9	144.4		GGGG			48	29
2738-17561	00000/0000	2-10027/0146	01/29/77	0	291	4311N	12122W	20.8	143.7		GGGG			48	30
2738-17563	00000/0000	2-10027/0147	01/29/77	0	291	4145N	12153W	21.8	143.0		GGGG			48	31
2738-17570	00000/0000	2-10027/0148	01/29/77	10	291	4019N	12223W	22.7	142.2		GGG			48	32
2738-17572	00000/0000	2-10027/0149	01/29/77	40	291	3853N	12253W	23.7	141.5		GGGG			48	33
2738-17575	00000/0000	2-10027/0150	01/29/77	50	291	3727N	12321W	24.6	140.8		GGGG			48	34
2738-17581	00000/0000	2-10027/0151	01/29/77	30	291	3602N	12349W	25.5	140.1		FGGG			48	35
2739-14343	00000/0000	2-10027/0007	01/30/77	30	303	4602N	07002W	19.1	144.9		GGGG			13	28
2739-14345	00000/0000	2-10027/0008	01/30/77	20	303	4436N	07036W	20.1	144.2		GGGG			13	29
2739-14352	00000/0000	2-10027/0009	01/30/77	10	303	4310N	07109W	21.0	143.5		GGGG			13	30
2739-14354	00000/0000	2-10027/0010	01/30/77	20	303	4145N	07141W	22.0	142.8		GGGG			13	31
2739-14361	00000/0000	2-10027/0011	01/30/77	70	303	4019N	07211W	22.9	142.1		GGG3			13	32
2739-16170	00000/0000	2-10027/0083	01/30/77	20	304	4851N	09441W	17.1	146.4		FGGG			31	26
2739-16172	00000/0000	2-10027/0084	01/30/77	10	304	4726N	09517W	18.1	145.6		GGGG			31	27
2739-16175	00000/0000	2-10027/0085	01/30/77	10	304	4601N	09552W	19.1	144.9		GGGF			31	28
2739-16181	00000/0000	2-10027/0086	01/30/77	0	304	4436N	09625W	20.1	144.2		GGGG			31	29
2739-16184	00000/0000	2-10027/0087	01/30/77	10	304	4310N	09657W	21.0	143.5		GGG3			31	30

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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 123	IMAGE-QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2739-16190	00000/0000	2-10027/0088	01/30/77	10	304	4145N	09729W	22.0	142.8		GGGF			31	31
2739-16193	00000/0000	2-10027/0089	01/30/77	10	304	4019N	09759W	22.9	142.1		GGGG			31	32
2739-16195	00000/0000	2-10027/0090	01/30/77	20	304	3854N	09828W	23.9	141.3		GFGF			31	33
2739-16202	00000/0000	2-10027/0091	01/30/77	20	304	3727N	09856W	24.8	140.6		GGGG			31	34
2739-16204	00000/0000	2-10027/0092	01/30/77	50	304	3602N	09924W	25.7	139.9		GGGF			31	35
2739-16211	00000/0000	2-10027/0093	01/30/77	70	304	3438N	09950W	26.6	139.1		GGGG			31	36
2739-16213	00000/0000	2-10027/0094	01/30/77	90	304	3309N	10016W	27.5	138.3		GGGG			31	37
2739-16220	00000/0000	2-10027/0095	01/30/77	90	304	3144N	10041W	28.4	137.5		GGGG			31	38
2739-16222	00000/0000	2-10027/0096	01/30/77	90	304	3017N	10106W	29.3	136.7		GGGG			31	39
2739-16225	00000/0000	2-10027/0097	01/30/77	80	304	2851N	10130W	30.1	135.9		GGGG			31	40
2739-16231	00000/0000	2-10027/0098	01/30/77	60	304	2725N	10154W	31.0	135.1		GGGG			31	41
2739-18001	00000/0000	2-10027/0099	01/30/77	30	305	4851N	12030W	17.2	146.4		GGGG			49	26
2739-18004	00000/0000	2-10027/0100	01/30/77	40	305	4726N	12107W	18.1	145.6		GGGG			49	27
2739-18010	00000/0000	2-10027/0101	01/30/77	40	305	4601N	12142W	19.1	144.9		GGGG			49	28
2739-18013	00000/0000	2-10027/0102	01/30/77	30	305	4436N	12215W	20.1	144.2		GGGG			49	29
2739-18015	00000/0000	2-10027/0103	01/30/77	30	305	4311N	12247W	21.1	143.5		GGGG			49	30
2739-18022	00000/0000	2-10027/0104	01/30/77	40	305	4145N	12318W	22.0	142.8		FGGG			49	31
2739-18024	00000/0000	2-10027/0105	01/30/77	40	305	4020N	12348W	23.0	142.1		FGGF			49	32
2739-18031	00000/0000	2-10027/0106	01/30/77	60	305	3854N	12417W	23.9	141.3		FGGF			49	33
2740-14395	00000/0000	2-10027/0111	01/31/77	40	317	4726N	07055W	18.3	145.5		GGFG			14	27
2740-14401	00000/0000	2-10027/0112	01/31/77	40	317	4601N	07130W	19.3	144.8		GGFG			14	28
2740-14404	00000/0000	2-10027/0113	01/31/77	40	317	4436N	07203W	20.3	144.1		GGFF			14	29
2740-14410	00000/0000	2-10027/0114	01/31/77	30	317	4311N	07235W	21.2	143.3		GGFF			14	30
2740-14413	00000/0000	2-10027/0115	01/31/77	10	317	4145N	07306W	22.2	142.6		GGGG			14	31
2740-14415	00000/0000	2-10027/0116	01/31/77	10	317	4020N	07336W	23.1	141.9		GGF			14	32
2740-14422	00000/0000	2-10027/0117	01/31/77	10	317	3854N	07405W	24.1	141.2		GGGF			14	33
2740-14424	00000/0000	2-10027/0118	01/31/77	70	317	3728N	07434W	25.0	140.4		GGFG			14	34
2740-14431	00000/0000	2-10027/0119	01/31/77	100	317	3602N	07501W	25.9	139.7		GGGG			14	35
2740-14433	00000/0000	2-10027/0120	01/31/77	100	317	3436N	07528W	26.8	138.9		GGGG			14	36
2740-14440	00000/0000	2-10027/0121	01/31/77	100	317	3310N	07554W	27.7	138.1		GGGG			14	37
2740-14442	00000/0000	2-10027/0122	01/31/77	100	317	3144N	07619W	28.6	137.3		GGGF			14	38
2740-14445	00000/0000	2-10027/0125	01/31/77	90	317	3018N	07644W	29.5	136.5		GG			14	39
2740-14451	00000/0000	2-10027/0123	01/31/77	50	317	2852N	07708W	30.3	135.7		FGGF		H	14	40
2740-14454	00000/0000	2-10027/0124	01/31/77	10	317	2725N	07732W	31.2	134.8		FFG3		H	14	41
2740-16224	00000/0000	2-10027/0171	01/31/77	70	318	4852N	09608W	17.4	146.2		FGF3			32	26
2740-16230	00000/0000	2-10027/0172	01/31/77	10	318	4727N	09644W	18.4	145.5		FGGG			32	27

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2740-16233	00000/0000	2-10027/0173	01/31/77	30	318	4601N	09719W	19.3	144.8		GGGG			32	28
2740-16235	00000/0000	2-10027/0174	01/31/77	70	318	4436N	09753W	20.3	144.0		GGF			32	29
2740-16242	00000/0000	2-10027/0175	01/31/77	90	318	4310N	09825W	21.3	143.3		GFGG			32	30
2740-16244	00000/0000	2-10027/0176	01/31/77	50	318	4145N	09856W	22.2	142.6		GGFG			32	31
2740-16251	00000/0000	2-10027/0177	01/31/77	10	318	4019N	09926W	23.2	141.9		GGGF			32	32
2740-16253	00000/0000	2-10027/0178	01/31/77	10	318	3853N	09955W	24.1	141.1		GGGG			32	33
2740-16260	00000/0000	2-10027/0179	01/31/77	0	318	3727N	10023W	25.0	140.4		GFGG			32	34
2740-16262	00000/0000	2-10027/0180	01/31/77	0	318	3602N	10051W	25.9	139.7		GGGF			32	35
2740-16265	00000/0000	2-10027/0181	01/31/77	0	318	3436N	10117W	26.8	138.9		FGGG			32	36
2740-16271	00000/0000	2-10027/0182	01/31/77	10	318	3310N	10144W	27.7	138.1		GGGG			32	37
2740-16274	00000/0000	2-10027/0183	01/31/77	40	318	3144N	10209W	28.6	137.3		GGGG			32	38
2740-16280	00000/0000	2-10027/0184	01/31/77	10	318	3018N	10234W	29.5	136.5		GGGG			32	39
2740-16283	00000/0000	2-10027/0185	01/31/77	40	318	2851N	10258W	30.3	135.7		FGGG			32	40
2740-16285	00000/0000	2-10027/0186	01/31/77	90	318	2725N	10321W	31.2	134.8		GGGG			32	41
2740-18055	00000/0000	2-10027/0187	01/31/77	90	319	4852N	12156W	17.4	146.2		FGGF			50	26
2740-18062	00000/0000	2-10027/0188	01/31/77	90	319	4727N	12233W	18.4	145.5		FGGG			50	27
2740-18064	00000/0000	2-10027/0189	01/31/77	90	319	4601N	12308W	19.4	144.7		GGGP			50	28
2740-18071	00000/0000	2-10027/0190	01/31/77	80	319	4436N	12341W	20.3	144.0		GGGF			50	29
2740-18073	00000/0000	2-10027/0191	01/31/77	60	319	4311N	12414W	21.3	143.3		GGGG			50	30
2740-18080	00000/0000	2-10027/0192	01/31/77	40	319	4145N	12446W	22.2	142.6		FGGG			50	31
2740-18082	00000/0000	2-10027/0193	01/31/77	40	319	4019N	12516W	23.2	141.9		GFGF			50	32
2740-18085	00000/0000	2-10027/0194	01/31/77	40	319	3853N	12545W	24.1	141.1		FGGF			50	33
2741-14462	00000/0000	2-10027/0024	02/01/77	70	331	4436N	07329W	20.5	143.9		FGGG			15	29
2741-14464	00000/0000	2-10027/0025	02/01/77	60	331	4310N	07401W	21.5	143.2		GGGG			15	30
2741-14471	00000/0000	2-10027/0026	02/01/77	20	331	4145N	07432W	22.4	142.4		GGGG			15	31
2741-14473	00000/0000	2-10027/0027	02/01/77	10	331	4019N	07503W	23.4	141.7		GGGG			15	32
2741-14480	00000/0000	2-10027/0028	02/01/77	10	331	3853N	07532W	24.3	141.0		GGFG			15	33
2741-14482	00000/0000	2-10027/0029	02/01/77	0	331	3727N	07600W	25.2	140.2		GGFG			15	34
2741-14485	00000/0000	2-10027/0030	02/01/77	0	331	3602N	07627W	26.1	139.5		GGGG			15	35
2741-14491	00000/0000	2-10027/0031	02/01/77	0	331	3436N	07654W	27.0	138.7		GGFG			15	36
2741-14503	00000/0000	2-10027/0032	02/01/77	40	331	3018N	07810W	29.7	136.3		GGGG			15	39
2741-14505	00000/0000	2-10027/0033	02/01/77	40	331	2852N	07834W	30.5	135.4		GGGG			15	40
2741-16282	00000/0000	2-10027/0198	02/01/77	10	332	4851N	09734W	17.6	146.1		GGGG			33	26
2741-16284	00000/0000	2-10027/0199	02/01/77	10	332	4725N	09810W	18.6	145.3		GGGG			33	27
2741-16291	00000/0000	2-10027/0200	02/01/77	0	332	4601N	09845W	19.6	144.6		GGGG			33	28
2741-16293	00000/0000	2-10027/0201	02/01/77	0	332	4435N	09919W	20.5	143.9		GGGG			33	29

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.
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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV / MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	IMAGE-QUAL MSS 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2741-16300	00000/0000 2-10027/0202	02/01/77	0	332	4310N	09952W	21.5	143.1		GGGG			33	30
2741-16302	00000/0000 2-10027/0203	02/01/77	60	332	4144N	10023W	22.4	142.4		GGGG			33	31
2741-16305	00000/0000 2-10027/0204	02/01/77	80	332	4019N	10053W	23.4	141.7		GGGG			33	32
2741-16311	00000/0000 2-10027/0205	02/01/77	70	332	3854N	10122W	24.3	140.9		GGGG			33	33
2741-16314	00000/0000 2-10027/0206	02/01/77	50	332	3728N	10150W	25.2	140.2		GGGG			33	34
2741-16320	00000/0000 2-10027/0207	02/01/77	40	332	3602N	10217W	26.2	139.4		GGGG			33	35
2741-16323	00000/0000 2-10027/0208	02/01/77	10	332	3436N	10244W	27.1	138.7		GGGG			33	36
2741-16325	00000/0000 2-10027/0209	02/01/77	0	332	3309N	10310W	27.9	137.9		GGGG			33	37
2741-16332	00000/0000 2-10027/0210	02/01/77	0	332	3143N	10335W	28.8	137.1		GGGG			33	38
2741-16334	00000/0000 2-10027/0211	02/01/77	0	332	3018N	10359W	29.7	136.3		FGGG			33	39
2741-16341	00000/0000 2-10027/0212	02/01/77	0	332	2852N	10424W	30.5	135.4		GFGG			33	40
2741-16343	00000/0000 2-10027/0213	02/01/77	0	332	2725N	10448W	31.4	134.6		GGGG			33	41
2741-18114	00000/0000 2-10027/0214	02/01/77	90	333	4851N	12321W	17.7	146.0		GGGF			51	26
2741-18120	00000/0000 2-10027/0215	02/01/77	80	333	4726N	12358W	18.6	145.3		GGGF			51	27
2741-18123	00000/0000 2-10027/0216	02/01/77	50	333	4601N	12434W	19.6	144.6		GGGG			51	28
2742-14511	00000/0000 2-10027/0751	02/02/77	0	345	4726N	07347W	18.8	145.2		G			16	27
2742-14514	00000/0000 2-10027/0752	02/02/77	0	345	4600N	07422W	19.8	144.4		GGGG			16	28
2742-14520	00000/0000 2-10027/0753	02/02/77	10	345	4435N	07456W	20.8	143.7		GGGG			16	29
2742-14523	00000/0000 2-10027/0754	02/02/77	20	345	4310N	07528W	21.7	143.0		GGGG			16	30
2742-14525	00000/0000 2-10027/0755	02/02/77	40	345	4145N	07559W	22.7	142.2		GGGG			16	31
2742-14532	00000/0000 2-10027/0756	02/02/77	30	345	4019N	07629W	23.6	141.5		GGGG			16	32
2742-14534	00000/0000 2-10027/0757	02/02/77	0	345	3853N	07659W	24.5	140.8		GGGG			16	33
2742-14541	00000/0000 2-10027/0758	02/02/77	0	345	3727N	07727W	25.5	140.0		GGGG			16	34
2742-14543	00000/0000 2-10027/0759	02/02/77	0	345	3602N	07754W	26.4	139.2		GGGG			16	35
2742-14550	00000/0000 2-10027/0760	02/02/77	0	345	3436N	07821W	27.3	138.5		GGGG			16	36
2742-14552	00000/0000 2-10027/0761	02/02/77	10	345	3310N	07847W	28.1	137.7		GGGG			16	37
2742-14555	00000/0000 2-10027/0762	02/02/77	30	345	3144N	07912W	29.0	136.9		FGGG			16	38
2742-14561	00000/0000 2-10027/0763	02/02/77	50	345	3018N	07937W	29.9	136.0		GGGG			16	39
2742-14564	00000/0000 2-10027/0764	02/02/77	70	345	2852N	08001W	30.7	135.2		GGGG			16	40
2742-14570	00000/0000 2-10027/0765	02/02/77	80	345	2725N	08025W	31.5	134.3		GGGG			16	41
2742-14573	00000/0000 2-10027/0766	02/02/77	90	345	2559N	08048W	32.4	133.4		GGGG			16	42
2742-14575	00000/0000 2-10027/0767	02/02/77	80	345	2433N	08111W	33.1	132.5		GGGG			16	43
2742-18172	00000/0000 2-10027/0237	02/02/77	20	347	4850N	12449W	17.9	145.9		GGGG			52	26
2743-14572	00000/0000 2-10027/0221	02/03/77	90	359	4559N	07550W	20.1	144.3		GGGG			17	28
2743-14574	00000/0000 2-10027/0222	02/03/77	100	359	4434N	07623W	21.0	143.5		FGGG			17	29
2743-14581	00000/0000 2-10027/0223	02/03/77	70	359	4309N	07656W	22.0	142.8		GGGG			17	30

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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 123	IMAGE-QUAL MSS 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2743-14583	00000/0000	2-10027/0224	02/03/77	90	359	4143N	07727W	22.9	142.0		GGGG			17	31
2743-14590	00000/0000	2-10027/0225	02/03/77	80	359	4018N	07756W	23.9	141.3		GGGG			17	32
2743-14592	00000/0000	2-10027/0226	02/03/77	20	359	3852N	07825W	24.8	140.5		FGGG			17	33
2743-14595	00000/0000	2-10027/0227	02/03/77	10	359	3727N	07853W	25.7	139.8		GGGG			17	34
2743-15001	00000/0000	2-10027/0228	02/03/77	50	359	3601N	07921W	26.6	139.0		GGGG			17	35
2743-15004	00000/0000	2-10027/0229	02/03/77	40	359	3435N	07947W	27.5	138.2		GGGF			17	36
2743-15010	00000/0000	2-10027/0230	02/03/77	30	359	3309N	08013W	28.4	137.4		GGGG			17	37
2743-15013	00000/0000	2-10027/0231	02/03/77	70	359	3142N	08038W	29.2	136.6		GGGG			17	38
2743-15015	00000/0000	2-10027/0232	02/03/77	90	359	3016N	08103W	30.1	135.8		GGGG			17	39
2743-15022	00000/0000	2-10027/0233	02/03/77	90	359	2850N	08128W	30.9	134.9		GGGG			17	40
2743-15024	00000/0000	2-10027/0234	02/03/77	40	359	2724N	08151W	31.7	134.1		FGGG			17	41
2743-15031	00000/0000	2-10027/0235	02/03/77	20	359	2558N	08215W	32.5	133.2		GGFG			17	42
2743-15033	00000/0000	2-10027/0236	02/03/77	10	359	2431N	08237W	33.3	132.2		GGGF			17	43
2743-16394	00000/0000	2-10027/0238	02/03/77	90	360	4850N	10027W	18.2	145.7		GGGF			35	26
2743-16401	00000/0000	2-10027/0239	02/03/77	80	360	4725N	10103W	19.1	145.0		GFGG			35	27
2743-16403	00000/0000	2-10027/0240	02/03/77	70	360	4559N	10138W	20.1	144.2		GGGG			35	28
2743-16410	00000/0000	2-10027/0241	02/03/77	10	360	4435N	10212W	21.0	143.5		GGGG			35	29
2743-16412	00000/0000	2-10027/0242	02/03/77	0	360	4309N	10244W	22.0	142.8		GGGG			35	3C
2743-16415	00000/0000	2-10027/0243	02/03/77	10	360	4144N	10315W	22.9	142.0		GGGG			35	31
2743-16421	00000/0000	2-10027/0244	02/03/77	10	360	4018N	10345W	23.9	141.3		GGGG			35	32
2743-16424	00000/0000	2-10027/0245	02/03/77	0	360	3853N	10414W	24.8	140.5		GGGG			35	33
2743-16430	00000/0000	2-10027/0246	02/03/77	10	360	3726N	10442W	25.7	139.8		GGGF			35	34
2743-16433	00000/0000	2-10027/0247	02/03/77	10	360	3600N	10509W	26.6	139.0		GGGG			35	35
2743-16435	00000/0000	2-10027/0248	02/03/77	10	360	3434N	10536W	27.5	138.2		GGGG			35	36
2743-16442	00000/0000	2-10027/0249	02/03/77	10	360	3309N	10602W	28.4	137.4		GGGG			35	37
2743-16444	00000/0000	2-10027/0250	02/03/77	10	360	3143N	10628W	29.2	136.6		GGGF			35	38
2743-16451	00000/0000	2-10027/0251	02/03/77	10	360	3017N	10652W	30.1	135.8		GGGG			35	39
2743-18230	00000/0000	2-10027/0308	02/03/77	30	361	4850N	12615W	18.2	145.7		GGGG			53	26
2744-15032	00000/0000	2-10027/0282	02/04/77	20	373	4434N	07749W	21.3	143.3		FFFF			18	29
2744-15035	00000/0000	2-10027/0283	02/04/77	40	373	4308N	07821W	22.2	142.6		GGGF			18	30
2744-15041	00000/0000	2-10027/0284	02/04/77	90	373	4143N	07853W	23.2	141.9		GGFF			18	31
2744-15044	00000/0000	2-10027/0285	02/04/77	100	373	4017N	07923W	24.1	141.1		GGGF			18	32
2744-15050	00000/0000	2-10027/0286	02/04/77	70	373	3852N	07951W	25.0	140.3		GGGF			18	33
2744-15053	00000/0000	2-10027/0287	02/04/77	10	373	3726N	08019W	25.9	139.6		GFGG			18	34
2744-15059	00000/0000	2-10027/0288	02/04/77	10	373	3600N	08047W	26.8	138.8		GGGG			18	35
2744-15062	00000/0000	2-10027/0289	02/04/77	10	373	3434N	08113W	27.7	138.0		FGGF			18	36

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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 123	IMAGE-QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2744-15064	00000/0000	2-10027/0290	02/04/77	40	373	3308N	08139W	28.6	137.2		GGG3			18	37
2744-15071	00000/0000	2-10027/0291	02/04/77	70	373	3142N	08205W	29.4	136.4		GGGG			18	38
2744-15073	00000/0000	2-10027/0292	02/04/77	90	373	3017N	08229W	30.3	135.5		GGGG			18	39
2744-15080	00000/0000	2-10027/0293	02/04/77	90	373	2850N	08254W	31.1	134.7		GGGF			18	40
2744-15082	00000/0000	2-10027/0294	02/04/77	60	373	2724N	08317W	31.9	133.8		GGF3			18	41
2744-15085	00000/0000	2-10027/0295	02/04/77	20	373	2558N	08341W	32.7	132.9		PPPP			18	42
2744-15091	00000/0000	2-10027/0296	02/04/77	40	373	2431N	08404W	33.5	132.0		FFFF			18	43
2744-16453	00000/0000	2-10027/0252	02/04/77	90	374	4849N	10154W	18.4	145.6		GGGG			36	26
2744-16455	00000/0000	2-10027/0253	02/04/77	70	374	4724N	10230W	19.4	144.8		GGGG			36	27
2744-16462	00000/0000	2-10027/0254	02/04/77	50	374	4559N	10306W	20.4	144.1		GGGG			36	28
2744-16464	00000/0000	2-10027/0255	02/04/77	10	374	4434N	10339W	21.3	143.3		GGGG			36	29
2744-16471	00000/0000	2-10027/0256	02/04/77	20	374	4309N	10412W	22.3	142.6		GGGG			36	30
2744-16473	00000/0000	2-10027/0257	02/04/77	20	374	4143N	10443W	23.2	141.8		GGGG			36	31
2744-16480	00000/0000	2-10027/0258	02/04/77	10	374	4017N	10512W	24.1	141.1		GGGG			36	32
2744-16482	00000/0000	2-10027/0259	02/04/77	30	374	3852N	10541W	25.0	140.3		GFGG			36	33
2744-16485	00000/0000	2-10027/0260	02/04/77	20	374	3726N	10609W	25.9	139.6		GGGG			36	34
2744-16491	00000/0000	2-10027/0261	02/04/77	10	374	3600N	10637W	26.8	138.8		GGGG			36	35
2744-16494	00000/0000	2-10027/0262	02/04/77	10	374	3434N	10703W	27.7	138.0		GGGG			36	36
2744-16500	00000/0000	2-10027/0263	02/04/77	0	374	3307N	10729W	28.6	137.2		GGGG			36	37
2744-16503	00000/0000	2-10027/0264	02/04/77	0	374	3142N	10754W	29.5	136.3		GGGG			36	38
2744-16505	00000/0000	2-10027/0265	02/04/77	10	374	3016N	10819W	30.3	135.5		FGG3			36	39
2744-16512	00000/0000	2-10027/0266	02/04/77	10	374	2850N	10844W	31.1	134.6		GGGG			36	40
2745-15091	00000/0000	2-10027/0307	02/05/77	10	387	4433N	07916W	21.6	143.2		3			19	29
2745-15093	00000/0000	2-10027/0297	02/05/77	40	387	4307N	07949W	22.5	142.4		GGF3			19	30
2745-15100	00000/0000	2-10027/0298	02/05/77	70	387	4142N	08020W	23.4	141.7		GGFG			19	31
2745-15102	00000/0000	2-10027/0299	02/05/77	30	387	4016N	08050W	24.4	140.9		GGFG			19	32
2745-15109	00000/0000	2-10027/0300	02/05/77	60	387	3851N	08118W	25.3	140.1		FGGG			19	33
2745-15111	00000/0000	2-10027/0301	02/05/77	80	387	3725N	08146W	26.2	139.4		GGGG			19	34
2745-15114	00000/0000	2-10027/0302	02/05/77	50	387	3559N	08214W	27.1	138.6		GGGG			19	35
2745-15120	00000/0000	2-10027/0303	02/05/77	10	387	3434N	08240W	28.0	137.8		GGGG			19	36
2745-15123	00000/0000	2-10027/0304	02/05/77	10	387	3307N	08306W	28.8	136.9		FGGG			19	37
2745-15125	00000/0000	2-10027/0305	02/05/77	10	387	3141N	08331W	29.7	136.1		FGGG			19	38
2745-15132	00000/0000	2-10027/0306	02/05/77	10	387	3015N	08356W	30.5	135.3		GGGG			19	39
2745-16511	00000/0000	2-10027/0360	02/05/77	90	388	4848N	10320W	18.7	145.4		GGG3			37	26
2745-16513	00000/0000	2-10027/0361	02/05/77	80	388	4723N	10357W	19.7	144.7		GGGG			37	27
2745-16520	00000/0000	2-10027/0362	02/05/77	20	388	4558N	10433W	20.6	143.9		GGGG			37	28

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM POSITION RBV	MICROFILM 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 123	IMAGE-QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2745-16522	00000/0000	2-10027/0363	02/05/77	10	388	4433N	10506W	21.6	143.1		GGGG			37	29
2745-16525	00000/0000	2-10027/0364	02/05/77	10	388	4307N	10539W	22.5	142.4		GGGF			37	30
2745-16531	00000/0000	2-10027/0365	02/05/77	20	388	4142N	10609W	23.5	141.6		GGGG			37	31
2745-16534	00000/0000	2-10027/0366	02/05/77	30	388	4016N	10639W	24.4	140.9		GGGG			37	32
2745-16540	00000/0000	2-10027/0367	02/05/77	30	388	3851N	10708W	25.3	140.1		GGGG			37	33
2745-16543	00000/0000	2-10027/0368	02/05/77	30	388	3725N	10736W	26.2	139.3		FGGG			37	34
2745-16549	00000/0000	2-10027/0369	02/05/77	40	388	3559N	10803W	27.1	138.5		FGGF			37	35
2745-16552	00000/0000	2-10027/0370	02/05/77	20	388	3433N	10829W	28.0	137.7		GGGG			37	36
2745-16554	00000/0000	2-10027/0371	02/05/77	10	388	3307N	10855W	28.8	136.9		GGFG			37	37
2745-16561	00000/0000	2-10027/0372	02/05/77	10	388	3141N	10920W	29.7	136.1		GGGG			37	38
2745-16563	00000/0000	2-10027/0373	02/05/77	10	388	3015N	10945W	30.5	135.2		GGGG			37	39
2746-15133	00000/0000	2-10027/0267	02/06/77	30	401	4847N	07858W	19.0	145.3		GGGG			20	26
2746-15140	00000/0000	2-10027/0268	02/06/77	30	401	4722N	07935W	19.9	144.5		GGGG			20	27
2746-15142	00000/0000	2-10027/0269	02/06/77	20	401	4557N	08009W	20.9	143.7		GGGG			20	28
2746-15145	00000/0000	2-10027/0270	02/06/77	10	401	4432N	08043W	21.8	143.0		GGGG			20	29
2746-15151	00000/0000	2-10027/0271	02/06/77	10	401	4307N	08115W	22.8	142.2		GGGG			20	30
2746-15154	00000/0000	2-10027/0272	02/06/77	10	401	4142N	08146W	23.7	141.5		GGGG			20	31
2746-15160	00000/0000	2-10027/0273	02/06/77	10	401	4016N	08216W	24.6	140.7		GGGG			20	32
2746-15163	00000/0000	2-10027/0274	02/06/77	10	401	3850N	08246W	25.5	139.9		GGGG			20	33
2746-15165	00000/0000	2-10027/0275	02/06/77	0	401	3724N	08314W	26.4	139.1		GGGG			20	34
2746-15172	00000/0000	2-10027/0276	02/06/77	0	401	3558N	08341W	27.3	138.3		GGGG			20	35
2746-15174	00000/0000	2-10027/0277	02/06/77	0	401	3433N	08408W	28.2	137.5		FGGG			20	36
2746-15181	00000/0000	2-10027/0278	02/06/77	0	401	3306N	08433W	29.1	136.7		GGGG			20	37
2746-15183	00000/0000	2-10027/0279	02/06/77	0	401	3140N	08459W	29.9	135.9		GGGG			20	38
2746-15190	00000/0000	2-10027/0280	02/06/77	0	401	3015N	08523W	30.7	135.0		GGGG			20	39
2746-15192	00000/0000	2-10027/0281	02/06/77	10	401	2848N	08548W	31.6	134.1		GGFG			20	40
2746-16565	00000/0000	2-10027/0317	02/06/77	60	402	4851N	10445W	18.9	145.3		GGGG			38	26
2746-16571	00000/0000	2-10027/0318	02/06/77	80	402	4726N	10523W	19.9	144.5		GGGG			38	27
2746-16574	00000/0000	2-10027/0319	02/06/77	60	402	4601N	10558W	20.9	143.8		GGGG			38	28
2746-16580	00000/0000	2-10027/0320	02/06/77	10	402	4435N	10631W	21.8	143.0		GGGG			38	29
2746-16583	00000/0000	2-10027/0321	02/06/77	30	402	4310N	10703W	22.8	142.2		GGGF			38	30
2746-16585	00000/0000	2-10027/0322	02/06/77	10	402	4144N	10733W	23.7	141.5		GGGG			38	31
2746-16592	00000/0000	2-10027/0323	02/06/77	10	402	4019N	10803W	24.6	140.7		GGGG			38	32
2746-16594	00000/0000	2-10027/0324	02/06/77	10	402	3853N	10832W	25.5	139.9		GGGG			38	33
2746-17001	00000/0000	2-10027/0325	02/06/77	10	402	3727N	10900W	26.4	139.2		GGGG			38	34
2746-17003	00000/0000	2-10027/0326	02/06/77	0	402	3601N	10927W	27.3	138.4		GGGG			38	35

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LANDSAT-2
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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 123	IMAGE-QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2746-17010	00000/0000	2-10027/0327	02/06/77	10	402	3436N	10953W	28.2	137.5		GGGG			38	36
2746-17012	00000/0000	2-10027/0328	02/06/77	20	402	3310N	11019W	29.0	136.7		GGGG			38	37
2746-17015	00000/0000	2-10027/0329	02/06/77	10	402	3144N	11044W	29.9	135.9		GGGG			38	38
2746-17021	00000/0000	2-10027/0330	02/06/77	0	402	3018N	11109W	30.7	135.0		GGGG			38	39
2747-15191	00000/0000	2-10027/0331	02/07/77	10	415	4850N	08022W	19.2	145.1		GGG			21	26
2747-15194	00000/0000	2-10027/0332	02/07/77	10	415	4725N	08059W	20.2	144.4		GGGG			21	27
2747-15200	00000/0000	2-10027/0333	02/07/77	10	415	4600N	08134W	21.1	143.6		GGGG			21	28
2747-15203	00000/0000	2-10027/0334	02/07/77	10	415	4435N	08208W	22.1	142.8		GGG			21	29
2747-15205	00000/0000	2-10027/0335	02/07/77	10	415	4310N	08241W	23.0	142.1		GGGG			21	30
2747-15212	00000/0000	2-10027/0336	02/07/77	10	415	4144N	08312W	23.9	141.3		GGGG			21	31
2747-15214	00000/0000	2-10027/0337	02/07/77	10	415	4018N	08342W	24.8	140.5		GFFG			21	32
2747-15221	00000/0000	2-10027/0338	02/07/77	10	415	3853N	08411W	25.8	139.7		GFGG			21	33
2747-15223	00000/0000	2-10027/0339	02/07/77	0	415	3727N	08439W	26.7	139.0		GGGG			21	34
2747-15230	00000/0000	2-10027/0340	02/07/77	0	415	3601N	08506W	27.5	138.1		GGGG			21	35
2747-15232	00000/0000	2-10027/0341	02/07/77	0	415	3436N	08532W	28.4	137.3		GGGG			21	36
2747-15235	00000/0000	2-10027/0342	02/07/77	0	415	3309N	08559W	29.3	136.5		FGGG			21	37
2747-15241	00000/0000	2-10027/0343	02/07/77	0	415	3144N	08624W	30.1	135.6		FGGG			21	38
2747-15244	00000/0000	2-10027/0344	02/07/77	20	415	3017N	08649W	30.9	134.8		FGFG			21	39
2747-15250	00000/0000	2-10027/0345	02/07/77	70	415	2852N	08713W	31.8	133.9		FGFF			21	40
2747-17023	00000/0000	2-10027/0346	02/07/77	10	416	4851N	10611W	19.2	145.1		GGGG			39	26
2747-17030	00000/0000	2-10027/0347	02/07/77	20	416	4726N	10648W	20.2	144.3		GGGG			39	27
2747-17032	00000/0000	2-10027/0348	02/07/77	0	416	4600N	10723W	21.1	143.6		GGGG			39	28
2747-17035	00000/0000	2-10027/0349	02/07/77	0	416	4435N	10756W	22.1	142.8		GGGG			39	29
2747-17041	00000/0000	2-10027/0350	02/07/77	0	416	4310N	10828W	23.0	142.1		GGGG			39	30
2747-17044	00000/0000	2-10027/0351	02/07/77	0	416	4144N	10859W	24.0	141.3		GGGG			39	31
2747-17050	00000/0000	2-10027/0352	02/07/77	0	416	4019N	10929W	24.9	140.5		GGGG			39	32
2747-17053	00000/0000	2-10027/0353	02/07/77	0	416	3853N	10957W	25.8	139.7		GFGG			39	33
2747-17055	00000/0000	2-10027/0354	02/07/77	10	416	3727N	11025W	26.7	138.9		FGGG			39	34
2747-17062	00000/0000	2-10027/0355	02/07/77	10	416	3602N	11053W	27.6	138.1		FGGG			39	35
2747-17064	00000/0000	2-10027/0356	02/07/77	0	416	3436N	11119W	28.4	137.3		FGGG			39	36
2747-17071	00000/0000	2-10027/0357	02/07/77	0	416	3310N	11145W	29.3	136.5		FGGG			39	37
2747-17073	00000/0000	2-10027/0358	02/07/77	0	416	3144N	11210W	30.1	135.6		FFGG			39	38
2747-17080	00000/0000	2-10027/0359	02/07/77	0	416	3017N	11235W	31.0	134.8		GGGG			39	39
2748-15250	00000/0000	2-10027/0386	02/08/77	90	429	4849N	08150W	19.5	145.0		GGGG			22	26
2748-15252	00000/0000	2-10027/0387	02/08/77	80	429	4724N	08226W	20.5	144.2		GGGG			22	27
2748-15255	00000/0000	2-10027/0388	02/08/77	90	429	4559N	08301W	21.4	143.4		GGGG			22	28

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2748-15261	00000/0000	2-10027/0389	02/08/77	60	429	4434N	08334W	22.3	142.7		GGGG			22	29
2748-15264	00000/0000	2-10027/0390	02/08/77	40	429	4309N	08406W	23.3	141.9		GGGG			22	30
2748-15270	00000/0000	2-10027/0391	02/08/77	20	429	4143N	08437W	24.2	141.1		GGGG			22	31
2748-15273	00000/0000	2-10027/0392	02/08/77	40	429	4018N	08507W	25.1	140.3		GGGG			22	32
2748-15275	00000/0000	2-10027/0393	02/08/77	10	429	3852N	08536W	26.0	139.5		GGGG			22	33
2748-15282	00000/0000	2-10027/0394	02/08/77	10	429	3727N	08603W	26.9	138.7		GGGG			22	34
2748-15284	00000/0000	2-10027/0395	02/08/77	0	429	3601N	08630W	27.8	137.9		GGGF			22	35
2748-15291	00000/0000	2-10027/0396	02/08/77	10	429	3435N	08656W	28.7	137.1		GGGF			22	36
2748-15293	00000/0000	2-10027/0397	02/08/77	10	429	3310N	08723W	29.5	136.3		GGGG			22	37
2748-15300	00000/0000	2-10027/0398	02/08/77	10	429	3143N	08748W	30.4	135.4		GGGF			22	38
2748-15302	00000/0000	2-10027/0399	02/08/77	10	429	3017N	08813W	31.2	134.5		GGGF			22	39
2748-15305	00000/0000	2-10027/0400	02/08/77	30	429	2852N	08837W	32.0	133.6		FGGG			22	40
2748-17081	00000/0000	2-10027/0401	02/08/77	10	430	4850N	10736W	19.5	145.0		GFGG			40	26
2748-17084	00000/0000	2-10027/0402	02/08/77	10	430	4725N	10815W	20.5	144.2		GGGG			40	27
2748-17090	00000/0000	2-10027/0403	02/08/77	10	430	4559N	10850W	21.4	143.4		GGGG			40	28
2748-17093	00000/0000	2-10027/0404	02/08/77	10	430	4434N	10924W	22.4	142.6		GGGG			40	29
2748-17095	00000/0000	2-10027/0405	02/08/77	10	430	4309N	10956W	23.3	141.9		GGGG			40	30
2748-17102	00000/0000	2-10027/0406	02/08/77	0	430	4144N	11027W	24.2	141.1		GGGF			40	31
2748-17104	00000/0000	2-10027/0407	02/08/77	10	430	4018N	11057W	25.1	140.3		GGGG			40	32
2748-17111	00000/0000	2-10027/0408	02/08/77	0	430	3852N	11126W	26.0	139.5		GGGG			40	33
2748-17113	00000/0000	2-10027/0409	02/08/77	0	430	3726N	11153W	26.9	138.7		GGGG			40	34
2748-17120	00000/0000	2-10027/0410	02/08/77	10	430	3601N	11220W	27.8	137.9		GGGG			40	35
2748-17122	00000/0000	2-10027/0411	02/08/77	10	430	3434N	11247W	28.7	137.1		GGGG			40	36
2748-17125	00000/0000	2-10027/0412	02/08/77	10	430	3308N	11312W	29.5	136.2		GGGG			40	37
2748-17131	00000/0000	2-10027/0413	02/08/77	10	430	3143N	11338W	30.4	135.4		GGFG			40	38
2748-17134	00000/0000	2-10027/0414	02/08/77	10	430	3018N	11403W	31.2	134.5		GGGF			40	39
2749-15304	00000/0000	2-10027/0435	02/09/77	100	443	4849N	08318W	19.8	144.8		GGG			23	26
2749-15310	00000/0000	2-10027/0436	02/09/77	100	443	4724N	08354W	20.8	144.0		GGGG			23	27
2749-15313	00000/0000	2-10027/0437	02/09/77	90	443	4559N	08428W	21.7	143.3		GGGG			23	28
2749-15315	00000/0000	2-10027/0438	02/09/77	70	443	4434N	08501W	22.6	142.5		GGGG			23	29
2749-15322	00000/0000	2-10027/0439	02/09/77	40	443	4308N	08533W	23.6	141.7		GG G			23	30
2749-15324	00000/0000	2-10027/0440	02/09/77	50	443	4143N	08605W	24.5	140.9		GFGG			23	31
2749-15331	00000/0000	2-10027/0441	02/09/77	40	443	4018N	08635W	25.4	140.1		GGGG			23	32
2749-15333	00000/0000	2-10027/0442	02/09/77	10	443	3852N	08704W	26.3	139.3		GGGG			23	33
2749-15340	00000/0000	2-10027/0443	02/09/77	10	443	3726N	08731W	27.2	138.5		GG G			23	34
2749-15342	00000/0000	2-10027/0444	02/09/77	0	443	3600N	08758W	28.1	137.7		GGFG			23	35

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2749-15345	00000/0000	2-10027/0445	02/09/77	0	443	3434N	08824W	28.3	136.9		GGGG			23	36
2749-15351	00000/0000	2-10027/0446	02/09/77	0	443	3308N	08850W	29.8	136.0		GGGG			23	37
2749-15354	00000/0000	2-10027/0447	02/09/77	0	443	3143N	08915W	30.6	135.1		GGGG			23	38
2749-15360	00000/0000	2-10027/0448	02/09/77	0	443	3017N	08940W	31.4	134.3		GGGG			23	39
2749-15363	00000/0000	2-10027/0449	02/09/77	20	443	2851N	09004W	32.2	133.4		FFFG			23	40
2749-15365	00000/0000	2-10027/0450	02/09/77	80	443	2725N	09028W	33.0	132.4		GGGG			23	41
2749-17135	00000/0000	2-10027/0415	02/09/77	10	444	4849N	10904W	19.8	144.8		GGGG			41	26
2749-17142	00000/0000	2-10027/0416	02/09/77	10	444	4724N	10941W	20.8	144.0		GGGG			41	27
2749-17144	00000/0000	2-10027/0417	02/09/77	10	444	4559N	11016W	21.7	143.2		GGGG			41	28
2749-17151	00000/0000	2-10027/0418	02/09/77	0	444	4434N	11050W	22.7	142.5		GGGG			41	29
2749-17153	00000/0000	2-10027/0419	02/09/77	10	444	4309N	11122W	23.6	141.7		GGGG			41	30
2749-17160	00000/0000	2-10027/0420	02/09/77	10	444	4143N	11153W	24.5	140.9		GGGG			41	31
2749-17162	00000/0000	2-10027/0421	02/09/77	20	444	4018N	11223W	25.4	140.1		GGGG			41	32
2749-17165	00000/0000	2-10027/0422	02/09/77	40	444	3852N	11252W	26.3	139.3		GGFG			41	33
2749-17171	00000/0000	2-10027/0423	02/09/77	50	444	3727N	11320W	27.2	138.5		GGGG			41	34
2749-1 174	00000/0000	2-10027/0424	02/09/77	30	444	3601N	11347W	28.1	137.7		GGG			41	35
2749-17180	00000/0000	2-10027/0425	02/09/77	10	444	3435N	11413W	28.9	136.8		GGGG			41	36
2749-17183	00000/0000	2-10027/0426	02/09/77	60	444	3309N	11439W	29.8	136.0		GGGG			41	37
2749-17185	00000/0000	2-10027/0427	02/09/77	30	444	3143N	11503W	30.6	135.1		GGGG			41	38
2750-15362	2-10027/0976	2-10027/0463	02/10/77	80	457	4849N	08441W	20.1	144.6	GGG	GGGG			24	26
2750-15365	2-10027/0977	2-10027/0464	02/10/77	50	457	4724N	08518W	21.1	143.9	FGG	GGGG			24	27
2750-15371	00000/0000	2-10027/0465	02/10/77	30	457	4559N	08553W	22.0	143.1		GGGG			24	28
2750-15374	00000/0000	2-10027/0466	02/10/77	40	457	4433N	08626W	22.9	142.3		GGGG			24	29
2750-15380	00000/0000	2-10027/0467	02/10/77	10	457	4308N	08658W	23.8	141.5		GGGG			24	30
2750-15383	2-10027/0978	2-10027/0468	02/10/77	0	457	4143N	08729W	24.8	140.7	GFG	GGGG			24	31
2750-15385	2-10027/0979	2-10027/0469	02/10/77	0	457	4018N	08759W	25.7	139.9	GGG	GGGG			24	32
2750-15392	2-10027/0980	2-10027/0470	02/10/77	0	457	3852N	08828W	26.6	139.1	G G	GGGG			24	33
2750-15394	2-10027/0981	2-10027/0471	02/10/77	0	457	3726N	08856W	27.5	138.3	GGG	GGGG			24	34
2750-15401	2-10027/0982	2-10027/0472	02/10/77	0	457	3601N	08923W	28.3	137.4	GGG	GGGG			24	35
2750-15403	2-10027/0983	2-10027/0473	02/10/77	0	457	3435N	08949W	29.2	136.6	GGG	GGGG			24	36
2750-15410	2-10027/0984	2-10027/0474	02/10/77	10	457	3309N	09015W	30.0	135.7	GG	GGGG			24	37
2750-15412	00000/0000	2-10027/0475	02/10/77	10	457	3143N	09040W	30.9	134.9		GGGG			24	38
2750-15415	00000/0000	2-10027/0476	02/10/77	10	457	3017N	09105W	31.7	134.0		GGGG			24	39
2750-15421	00000/0000	2-10027/0477	02/10/77	10	457	2851N	09130W	32.5	133.1		GGGG			24	40
2750-17200	00000/0000	2-10027/0451	02/10/77	90	458	4723N	11107W	21.1	143.9		GGGG			42	27
2750-17203	00000/0000	2-10027/0452	02/10/77	90	458	4558N	11143W	22.0	143.1		GGG3			42	28

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2750-17205	00000/0000	2-10027/0453	02/10/77	70	458	4434N	11216W	22.9	142.3		FGGG			42	29
2750-17212	00000/0000	2-10027/0454	02/10/77	60	458	4308N	11249W	23.9	141.5		GGGG			42	30
2750-17214	00000/0000	2-10027/0455	02/10/77	10	458	4143N	11320W	24.8	140.7		GGGG			42	31
2750-17221	00000/0000	2-10027/0456	02/10/77	10	458	4018N	11350W	25.7	139.9		GGGG			42	32
2750-17223	00000/0000	2-10027/0457	02/10/77	0	458	3852N	11419W	26.6	139.1		GGGG			42	33
2750-17230	00000/0000	2-10027/0458	02/10/77	10	458	3725N	11447W	27.5	138.3		GGGG			42	34
2750-17232	00000/0000	2-10027/0459	02/10/77	10	458	3600N	11514W	28.3	137.5		PGGG			42	35
2750-17235	00000/0000	2-10027/0460	02/10/77	10	458	3434N	11540W	29.2	136.6		GGGG			42	36
2750-17241	00000/0000	2-10027/0461	02/10/77	0	458	3309N	11606W	30.0	135.8		GGGG			42	37
2750-17244	00000/0000	2-10027/0462	02/10/77	10	458	3143N	11631W	30.9	134.9		GGGG			42	38
2751-15420	00000/0000	2-10027/0530	02/11/77	90	471	4848N	08609W	20.4	144.5		GGGG			25	26
2751-15423	00000/0000	2-10027/0531	02/11/77	90	471	4723N	08645W	21.3	143.7		GGG			25	27
2751-15425	00000/0000	2-10027/0532	02/11/77	90	471	4558N	08720W	22.3	142.9		GGGG			25	28
2751-15432	00000/0000	2-10027/0533	02/11/77	40	471	4433N	08753W	23.2	142.1		GGGG			25	29
2751-15434	00000/0000	2-10027/0534	02/11/77	10	471	4308N	08825W	24.1	141.3		GGGF			25	30
2751-15441	00000/0000	2-10027/0535	02/11/77	10	471	4143N	08857W	25.1	140.5		GGGF			25	31
2751-15443	00000/0000	2-10027/0536	02/11/77	10	471	4017N	08926W	26.0	139.7		GGF			25	32
2751-15450	00000/0000	2-10027/0537	02/11/77	10	471	3851N	08955W	26.8	138.9		GGGG			25	33
2751-15452	00000/0000	2-10027/0538	02/11/77	10	471	3726N	09023W	27.7	138.1		GGGF			25	34
2751-15455	00000/0000	2-10027/0539	02/11/77	40	471	3600N	09050W	28.6	137.2		GGGF			25	35
2751-15461	00000/0000	2-10027/0540	02/11/77	90	471	3434N	09117W	29.4	136.4		GGGF			25	36
2751-15464	00000/0000	2-10027/0541	02/11/77	90	471	3308N	09142W	30.3	135.5		GGGF			25	37
2751-15470	00000/0000	2-10027/0542	02/11/77	70	471	3142N	09208W	31.1	134.6		GGGF			25	38
2751-15473	00000/0000	2-10027/0543	02/11/77	70	471	3016N	09233W	31.9	133.7		FGGG			25	39
2751-15475	00000/0000	2-10027/0529	02/11/77	30	471	2850N	09257W	32.7	132.8		G GG			25	40
2751-17252	00000/0000	2-10027/0478	02/11/77	10	472	4848N	11158W	20.4	144.5		G GF			43	26
2751-17254	00000/0000	2-10027/0479	02/11/77	40	472	4723N	11235W	21.4	143.7		GGGF			43	27
2751-17261	00000/0000	2-10027/0480	02/11/77	80	472	4558N	11310W	22.3	142.9		PGPG			43	28
2751-17263	00000/0000	2-10027/0481	02/11/77	40	472	4433N	11344W	23.2	142.1		PGGG			43	29
2751-17270	00000/0000	2-10027/0482	02/11/77	10	472	4308N	11417W	24.2	141.3		GPG			43	30
2751-17272	00000/0000	2-10027/0483	02/11/77	10	472	4142N	11448W	25.1	140.5		GGG			43	31
2751-17275	00000/0000	2-10027/0484	02/11/77	10	472	4017N	11517W	26.0	139.7		GPGG			43	32
2751-17281	00000/0000	2-10027/0485	02/11/77	0	472	3851N	11546W	26.9	138.9		GGGG			43	33
2751-17284	00000/0000	2-10027/0486	02/11/77	0	472	3725N	11614W	27.7	138.1		GFGG			43	34
2751-17290	00000/0000	2-10027/0487	02/11/77	0	472	3559N	11641W	28.6	137.2		GFGG			43	35
2751-17293	00000/0000	2-10027/0488	02/11/77	0	472	3433N	11707W	29.5	136.4		GGG			43	36

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FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ ROLL IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2751-17295	00000/0000	2-10027/0489	02/11/77	0	472	3307N	11732W	30.3	135.5		GGGF			43	37
2751-17302	00000/0000	2-10027/0490	02/11/77	0	472	3141N	11757W	31.1	134.6		GGGF			43	38
2752-15474	00000/0000	2-10027/0516	02/12/77	80	485	4848N	08733W	20.7	144.4		GGG3			26	26
2752-15481	00000/0000	2-10027/0517	02/12/77	80	485	4723N	08810W	21.7	143.6		FGG3			26	27
2752-15483	00000/0000	2-10027/0518	02/12/77	80	485	4558N	08845W	22.6	142.8		GGGG			26	28
2752-15490	00000/0000	2-10027/0519	02/12/77	80	485	4433N	08918W	23.5	141.9		GGGG			26	29
2752-15492	00000/0000	2-10027/0520	02/12/77	70	485	4308N	08951W	24.4	141.1		GGGG			26	30
2752-15495	00000/0000	2-10027/0521	02/12/77	40	485	4142N	09022W	25.3	140.3		GGGG			26	31
2752-15501	00000/0000	2-10027/0522	02/12/77	40	485	4017N	09052W	26.2	139.5		GGGG			26	32
2752-15510	00000/0000	2-10027/0523	02/12/77	80	485	3726N	09148W	28.0	137.9		GGGG			26	34
2752-15513	00000/0000	2-10027/0524	02/12/77	60	485	3601N	09215W	28.9	137.0		GGG3			26	35
2752-15515	00000/0000	2-10027/0525	02/12/77	80	485	3434N	09241W	29.7	136.2		GGGG			26	36
2752-15522	00000/0000	2-10027/0526	02/12/77	90	485	3308N	09307W	30.5	135.3		GGGG			26	37
2752-15524	00000/0000	2-10027/0527	02/12/77	50	485	3143N	09333W	31.4	134.4		GGGG			26	38
2752-15531	00000/0000	2-10027/0528	02/12/77	50	485	3016N	09358W	32.2	133.5		GGGG			26	39
2752-15533	00000/0000	2-10027/0491	02/12/77	90	485	2850N	09422W	33.0	132.5		GG G			26	40
2752-15540	00000/0000	2-10027/0492	02/12/77	100	485	2723N	09446W	33.7	131.6		GGG			26	41
2752-15542	00000/0000	2-10027/0493	02/12/77	80	485	2557N	09509W	34.5	130.6		GGG			26	42
2752-15545	00000/0000	2-10027/0494	02/12/77	70	485	2431N	09532W	35.2	129.6		GGG			26	43
2752-17310	00000/0000	2-10027/0545	02/12/77	70	486	4848N	11322W	20.7	144.3		FG G			44	26
2752-17313	00000/0000	2-10027/0544	02/12/77	90	486	4723N	11359W	21.7	143.5		F G			44	27
2752-17315	00000/0000	2-10027/0546	02/12/77	80	486	4558N	11435W	22.6	142.7		GFGG			44	28
2752-17322	00000/0000	2-10027/0547	02/12/77	50	486	4433N	11509W	23.5	141.9		FFGG			44	29
2752-17324	00000/0000	2-10027/0548	02/12/77	50	486	4308N	11542W	24.5	141.1		GGGG			44	30
2752-17331	00000/0000	2-10027/0549	02/12/77	50	486	4142N	11613W	25.4	140.3		GFGG			44	31
2752-17333	00000/0000	2-10027/0550	02/12/77	10	486	4016N	11642W	26.3	139.5		FG			44	32
2752-17340	00000/0000	2-10027/0551	02/12/77	10	486	3850N	11711W	27.1	138.7		GGGG			44	33
2752-17342	00000/0000	2-10027/0552	02/12/77	0	486	3724N	11739W	28.0	137.8		FGG3			44	34
2752-17345	00000/0000	2-10027/0553	02/12/77	10	486	3559N	11806W	28.9	137.0		GFGG			44	35
2752-17351	00000/0000	2-10027/0554	02/12/77	0	486	3434N	11832W	29.7	136.1		GFGG			44	36
2752-17354	00000/0000	2-10027/0555	02/12/77	0	486	3308N	11858W	30.6	135.3		GGGF			44	37
2753-14104	00000/0000	2-10027/0575	02/13/77	10	498	4723N	06346W	21.9	143.4		GGGG			9	27
2753-15533	00000/0000	2-10027/0576	02/13/77	10	499	4847N	08902W	21.0	144.2		GGGG			27	26
2753-15535	00000/0000	2-10027/0577	02/13/77	30	499	4722N	08939W	22.0	143.4		GGGG			27	27
2753-15542	00000/0000	2-10027/0578	02/13/77	90	499	4557N	09013W	22.9	142.6		GGGG			27	28
2753-15544	00000/0000	2-10027/0579	02/13/77	90	499	4432N	09047W	23.8	141.8		GGGG			27	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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION RBV	ROLL IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2753-15551	00000/0000	2-10027/0580	02/13/77	90	499	4307N	09119W	24.7	141.0		GGGG			27	30
2753-15553	00000/0000	2-10027/0581	02/13/77	20	499	4142N	09149W	25.6	140.1		GGGG			27	31
2753-15560	00000/0000	2-10027/0582	02/13/77	10	499	4016N	09219W	26.5	139.3		GGGG			27	32
2753-15562	00000/0000	2-10027/0583	02/13/77	0	499	3851N	09248W	27.4	138.5		GGGG			27	33
2753-15565	00000/0000	2-10027/0584	02/13/77	0	499	3725N	09316W	28.3	137.6		GGGG			27	34
2753-15571	00000/0000	2-10027/0585	02/13/77	0	499	3559N	09344W	29.1	136.8		GGGG			27	35
2753-15574	00000/0000	2-10027/0586	02/13/77	0	499	3433N	09411W	30.0	135.9		GGGG			27	36
2753-15580	00000/0000	2-10027/0587	02/13/77	0	499	3307N	09436W	30.8	135.0		GFGG			27	37
2753-15583	00000/0000	2-10027/0588	02/13/77	0	499	3141N	09501W	31.6	134.1		GGGG			27	38
2753-15585	00000/0000	2-10027/0511	02/13/77	0	499	3015N	09526W	32.4	133.2		GGGG			27	39
2753-15592	00000/0000	2-10027/0512	02/13/77	10	499	2850N	09550W	33.2	132.3		GGGG			27	40
2753-15594	00000/0000	2-10027/0513	02/13/77	40	499	2724N	09614W	34.0	131.3		GGGG			27	41
2753-16001	00000/0000	2-10027/0514	02/13/77	90	499	2557N	09636W	34.7	130.3		GGGG			27	42
2753-16003	00000/0000	2-10027/0515	02/13/77	100	499	2431N	09659W	35.4	129.3		GGGG			27	43
2753-17364	00000/0000	2-10027/0597	02/13/77	10	500	4848N	11448W	21.0	144.2		FGGG			45	26
2753-17371	00000/0000	2-10027/0598	02/13/77	30	500	4722N	11525W	22.0	143.4		GGGG			45	27
2753-17373	00000/0000	2-10027/0599	02/13/77	10	500	4557N	11600W	22.9	142.6		GGGG			45	28
2753-17380	00000/0000	2-10027/0600	02/13/77	10	500	4432N	11634W	23.8	141.8		GGGG			45	29
2753-17382	00000/0000	2-10027/0601	02/13/77	10	500	4307N	11707W	24.8	140.9		GGGG			45	30
2753-17385	00000/0000	2-10027/0602	02/13/77	10	500	4141N	11738W	25.7	140.1		GGGG			45	31
2753-17391	00000/0000	2-10027/0603	02/13/77	10	500	4016N	11808W	26.6	139.3		GGGG			45	32
2753-17394	00000/0000	2-10027/0604	02/13/77	0	500	3851N	11836W	27.4	138.5		GGGG			45	33
2753-17400	00000/0000	2-10027/0605	02/13/77	10	500	3725N	11905W	28.3	137.6		GGGG			45	34
2753-17403	00000/0000	2-10027/0606	02/13/77	10	500	3559N	11932W	29.2	136.8		GGGG			45	35
2753-17405	00000/0000	2-10027/0607	02/13/77	10	500	3433N	11958W	30.0	135.9		GGGG			45	36
2754-14162	00000/0000	2-10027/0498	02/14/77	90	512	4721N	06514W	22.3	143.2		GGGG			10	27
2754-14164	00000/0000	2-10027/0499	02/14/77	50	512	4557N	06548W	23.2	142.4		GGGG			10	28
2754-14171	00000/0000	2-10027/0500	02/14/77	40	512	4432N	06621W	24.1	141.6		GGGG			10	29
2754-14173	00000/0000	2-10027/0501	02/14/77	50	512	4307N	06654W	25.0	140.8		GGGG			10	30
2754-15593	00000/0000	2-10027/0502	02/14/77	50	513	4722N	09103W	22.3	143.2		GGGG			28	27
2754-16000	00000/0000	2-10027/0503	02/14/77	70	513	4557N	09138W	23.2	142.4		GFGG			28	28
2754-16002	00000/0000	2-10027/0504	02/14/77	80	513	4432N	09211W	24.1	141.6		GFGG			28	29
2754-16005	00000/0000	2-10027/0505	02/14/77	60	513	4308N	09244W	25.0	140.8		GPGG			28	30
2754-16011	00000/0000	2-10027/0495	02/14/77	10	513	4142N	09315W	25.9	140.0		G GG			28	31
2754-16014	00000/0000	2-10027/0506	02/14/77	60	513	4016N	09345W	26.8	139.1		GGGG			28	32
2754-16020	00000/0000	2-10027/0507	02/14/77	50	513	3850N	09414W	27.7	138.3		GGGG			28	33

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2754-16023	00000/0000	2-10027/0496	02/14/77	70	513	3724N	09442W	28.6	137.4		G PF			28	34
2754-16025	00000/0000	2-10027/0497	02/14/77	90	513	3559N	09508W	29.4	136.6		G GG			28	35
2754-16032	00000/0000	2-10027/0508	02/14/77	50	513	3433N	09534W	30.3	135.7		GGGG			28	36
2754-16034	00000/0000	2-10027/0509	02/14/77	10	513	3307N	09600W	31.1	134.8		GFGG			28	37
2754-16041	00000/0000	2-10027/0510	02/14/77	10	513	3142N	09626W	31.9	133.9		GGGG			28	38
2754-16043	00000/0000	2-10027/0636	02/14/77	0	513	3016N	09651W	32.7	132.9		GGGG			28	39
2754-16050	00000/0000	2-10027/0637	02/14/77	0	513	2850N	09715W	33.5	132.0		GGGG			28	40
2754-16052	00000/0000	2-10027/0638	02/14/77	0	513	2724N	09738W	34.2	131.0		GFFG			28	41
2754-16059	00000/0000	2-10027/0639	02/14/77	0	513	2558N	09802W	35.0	130.0		GGFG			28	42
2754-17422	00000/0000	2-10027/0654	02/14/77	10	514	4847N	11617W	21.4	144.0		GGGG			46	26
2754-17425	00000/0000	2-10027/0655	02/14/77	10	514	4722N	11653W	22.3	143.2		GGGG			46	27
2754-17431	00000/0000	2-10027/0656	02/14/77	10	514	4557N	11728W	23.2	142.4		GGGG			46	28
2754-17434	00000/0000	2-10027/0657	02/14/77	0	514	4432N	11802W	24.2	141.6		GGGG			46	29
2754-17440	00000/0000	2-10027/0658	02/14/77	0	514	4306N	11833W	25.1	140.8		GGGG			46	30
2754-17443	00000/0000	2-10027/0659	02/14/77	0	514	4141N	11904W	26.0	139.9		GGGG			46	31
2754-17445	00000/0000	2-10027/0660	02/14/77	0	514	4016N	11934W	26.9	139.1		GGGG			46	32
2754-17452	00000/0000	2-10027/0661	02/14/77	0	514	3850N	12003W	27.7	138.3		GGGG			46	33
2754-17454	00000/0000	2-10027/0662	02/14/77	10	514	3725N	12031W	28.6	137.4		GGGG			46	34
2754-17461	00000/0000	2-10027/0663	02/14/77	10	514	3559N	12059W	29.4	136.5		GGGG			46	35
2754-17463	00000/0000	2-10027/0664	02/14/77	40	514	3433N	12125W	30.3	135.7		GGGG			46	36
2755-14220	00000/0000	2-10027/0688	02/15/77	70	526	4721N	06639W	22.6	143.1		GGGG			11	27
2755-14222	00000/0000	2-10027/0689	02/15/77	10	526	4557N	06714W	23.5	142.3		GGGG			11	28
2755-14225	00000/0000	2-10027/0690	02/15/77	50	526	4432N	06748W	24.4	141.4		GGGG			11	29
2755-14231	00000/0000	2-10027/0691	02/15/77	90	526	4307N	06820W	25.3	140.6		GGGG			11	30
2755-14234	00000/0000	2-10027/0692	02/15/77	90	526	4141N	06851W	26.2	139.8		GGGG			11	31
2755-14240	00000/0000	2-10027/0693	02/15/77	50	526	4015N	06921W	27.1	138.9		GGGG			11	32
2755-16045	00000/0000	2-10027/0694	02/15/77	10	527	4846N	09154W	21.7	143.9		FGGG			29	26
2755-16052	00000/0000	2-10027/0695	02/15/77	10	527	4721N	09230W	22.6	143.1		GGGG			29	27
2755-16054	00000/0000	2-10027/0696	02/15/77	0	527	4556N	09305W	23.5	142.2		GGGG			29	28
2755-16061	00000/0000	2-10027/0697	02/15/77	0	527	4431N	09338W	24.4	141.4		GGGG			29	29
2755-16063	00000/0000	2-10027/0698	02/15/77	0	527	4306N	09410W	25.3	140.6		GGGG			29	30
2755-16070	00000/0000	2-10027/0699	02/15/77	0	527	4141N	09441W	26.2	139.8		GGGG			29	31
2755-16072	00000/0000	2-10027/0700	02/15/77	10	527	4015N	09511W	27.1	138.9		GGGG			29	32
2755-16075	00000/0000	2-10027/0701	02/15/77	10	527	3850N	09540W	28.0	138.1		GGGG			29	33
2755-16081	00000/0000	2-10027/0702	02/15/77	20	527	3725N	09607W	28.9	137.2		GGGG			29	34
2755-16084	00000/0000	2-10027/0670	02/15/77	40	527	3559N	09635W	29.7	136.3		GGGG			29	35

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LANDSAT-2
OBSERVATION ID LISTING
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FROM 02/01/77 TO 02/28/77

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 123	IMAGE-QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2755-16090	00000/0000	2-10027/0671	02/15/77	10	527	3433N	09701W	30.5	135.4		GGGG			29	36
2755-16093	00000/0000	2-10027/0672	02/15/77	10	527	3306N	09727W	31.4	134.5		GGGG			29	37
2755-16095	00000/0000	2-10027/0673	02/15/77	50	527	3140N	09752W	32.2	133.6		GGGG			29	38
2755-16102	00000/0000	2-10027/0674	02/15/77	90	527	3015N	09817W	33.0	132.7		GGGG			29	39
2755-16104	00000/0000	2-10027/0675	02/15/77	90	527	2849N	09841W	33.7	131.7		GGGG			29	40
2755-16111	00000/0000	2-10027/0676	02/15/77	100	527	2723N	09905W	34.5	130.7		GGGG			29	41
2755-16113	00000/0000	2-10027/0677	02/15/77	90	527	2557N	09929W	35.2	129.7		GGGG			29	42
2755-17481	00000/0000	2-10027/0678	02/15/77	50	528	4846N	11745W	21.7	143.9		GGGG			47	26
2755-17483	00000/0000	2-10027/0679	02/15/77	30	528	4721N	11821W	22.6	143.1		GGGG			47	27
2755-17490	00000/0000	2-10027/0680	02/15/77	20	528	4556N	11855W	23.5	142.2		GGGG			47	28
2755-17492	00000/0000	2-10027/0681	02/15/77	60	528	4431N	11929W	24.5	141.4		GGGG			47	29
2755-17495	00000/0000	2-10027/0682	02/15/77	60	528	4306N	12001W	25.4	140.6		FGGG			47	30
2755-17501	00000/0000	2-10027/0683	02/15/77	70	528	4141N	12032W	26.3	139.7		FFGG			47	31
2755-17504	00000/0000	2-10027/0684	02/15/77	60	528	4015N	12102W	27.2	138.9		GGGG			47	32
2755-17510	00000/0000	2-10027/0685	02/15/77	10	528	3849N	12130W	28.0	138.1		GGGG			47	33
2755-17513	00000/0000	2-10027/0686	02/15/77	10	528	3723N	12158W	28.9	137.2		GGGG			47	34
2755-17515	00000/0000	2-10027/0687	02/15/77	60	528	3558N	12225W	29.7	136.3		GGGG			47	35
2756-14274	00000/0000	2-10027/0703	02/16/77	30	540	4721N	06808W	22.9	142.9		GGGG			12	27
2756-14281	00000/0000	2-10027/0704	02/16/77	50	540	4556N	06842W	23.8	142.1		GGGG			12	28
2756-14283	00000/0000	2-10027/0705	02/16/77	10	540	4431N	06915W	24.7	141.3		GGGG			12	29
2756-14290	00000/0000	2-10027/0706	02/16/77	40	540	4306N	06947W	25.6	140.4		GFGG			12	30
2756-14292	00000/0000	2-10027/0707	02/16/77	40	540	4140N	07018W	26.5	139.6		GGGG			12	31
2756-14295	00000/0000	2-10027/0708	02/16/77	90	540	4015N	07048W	27.4	138.7		GG G			12	32
2756-14301	00000/0000	2-10027/0709	02/16/77	100	540	3849N	07117W	28.3	137.9		GGGG			12	33
2756-14304	00000/0000	2-10027/0710	02/16/77	100	540	3724N	07145W	29.1	137.0		GGGG			12	34
2756-14310	00000/0000	2-10027/0711	02/16/77	100	540	3558N	07212W	30.0	136.1		GGGG			12	35
2756-16103	00000/0000	2-10027/0724	02/16/77	50	541	4846N	09321W	22.0	143.8		GGGG			30	26
2756-16110	00000/0000	2-10027/0725	02/16/77	50	541	4721N	09357W	22.9	142.9		FGGG			30	27
2756-16112	00000/0000	2-10027/0726	02/16/77	70	541	4556N	09432W	23.8	142.1		GGGG			30	28
2756-16115	00000/0000	2-10027/0727	02/16/77	90	541	4431N	09505W	24.8	141.2		GGGG			30	29
2756-16121	00000/0000	2-10027/0728	02/16/77	90	541	4306N	09537W	25.7	140.4		GGGG			30	30
2756-16124	00000/0000	2-10027/0729	02/16/77	90	541	41-0N	09608W	26.5	139.6		FGGG			30	31
2756-16130	00000/0000	2-10027/0730	02/16/77	80	541	4014N	09638W	27.4	138.7		GGGG			30	32
2756-16133	00000/0000	2-10027/0731	02/16/77	70	541	3848N	09706W	28.3	137.9		GGGG			30	33
2756-16135	00000/0000	2-10027/0732	02/16/77	60	541	3723N	09734W	29.2	137.0		GGGG			30	34
2756-16142	00000/0000	2-10027/0733	02/16/77	90	541	3557N	09801W	30.0	136.1		GGGG			30	35

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION RBV	IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2756-16144	00000/0000	2-10027/0734	02/16/77	70	541	3432N	09827W	30.8	135.2		GGGG			30	36
2756-16151	00000/0000	2-10027/0735	02/16/77	60	541	3306N	09852W	31.6	134.3		GGGG			30	37
2756-16153	00000/0000	2-10027/0736	02/16/77	10	541	3140N	09918W	32.4	133.4		FGGG			30	38
2756-16160	00000/0000	2-10027/0737	02/16/77	0	541	3014N	09943W	33.2	132.4		FGGG			30	39
2756-16162	00000/0000	2-10027/0738	02/16/77	0	541	2848N	10007W	34.0	131.4		GGG			30	40
2756-16165	00000/0000	2-10027/0739	02/16/77	0	541	2722N	10031W	34.7	130.4		FGGG			30	41
2756-16171	00000/0000	2-10027/0740	02/16/77	10	541	2556N	10054W	35.5	129.4		PGGG			30	42
2756-17532	00000/0000	2-10027/0741	02/16/77	90	542	5010N	11831W	21.1	144.6		GGGG			48	25
2756-17535	00000/0000	2-10027/0742	02/16/77	10	542	4846N	11910W	22.0	143.7		GGGG			48	26
2756-17541	00000/0000	2-10027/0743	02/16/77	20	542	4721N	11947W	22.9	142.9		GGGG			48	27
2756-17544	00000/0000	2-10027/0744	02/16/77	20	542	4556N	12023W	23.9	142.1		GGGG			48	28
2756-17550	00000/0000	2-10027/0745	02/16/77	40	542	4431N	12056W	24.8	141.2		GGGG			48	29
2756-17553	00000/0000	2-10027/0746	02/16/77	30	542	4305N	12128W	25.7	140.4		GGG3			48	30
2756-17555	00000/0000	2-10027/0747	02/16/77	20	542	4139N	12159W	26.6	139.6		GFGG			48	31
2756-17562	00000/0000	2-10027/0748	02/16/77	10	542	4014N	12228W	27.5	138.7		GGGG			48	32
2756-17564	00000/0000	2-10027/0749	02/16/77	30	542	3849N	12257W	28.3	137.8		GGGG			48	33
2756-17571	00000/0000	2-10027/0750	02/16/77	70	542	3723N	12325W	29.2	137.0		GGGG			48	34
2757-14332	00000/0000	2-10027/0712	02/17/77	60	554	4720N	06933W	23.2	142.8		GGGG			13	27
2757-14335	00000/0000	2-10027/0713	02/17/77	40	554	4555N	07008W	24.1	141.9		GGGG			13	28
2757-14341	00000/0000	2-10027/0714	02/17/77	10	554	4430N	07042W	25.1	141.1		GGGG			13	29
2757-14344	00000/0000	2-10027/0715	02/17/77	10	554	4305N	07114W	26.0	140.2		GGGG			13	30
2757-14350	00000/0000	2-10027/0716	02/17/77	10	554	4140N	07144W	26.8	139.4		GGGG			13	31
2757-14353	00000/0000	2-10027/0717	02/17/77	70	554	4015N	07214W	27.7	138.5		GGGG			13	32
2757-14355	00000/0000	2-10027/0718	02/17/77	80	554	3849N	07243W	28.6	137.7		GGGG			13	33
2757-14362	00000/0000	2-10027/0719	02/17/77	90	554	3723N	07311W	29.4	136.8		GGGG			13	34
2757-14364	00000/0000	2-10027/0720	02/17/77	80	554	3558N	07338W	30.3	135.9		GGGG			13	35
2757-14371	00000/0000	2-10027/0721	02/17/77	80	554	3432N	07405W	31.1	135.0		GGGG			13	36
2757-14373	00000/0000	2-10027/0722	02/17/77	90	554	3306N	07431W	31.9	134.1		GGGG			13	37
2757-14380	00000/0000	2-10027/0723	02/17/77	90	554	3140N	07457W	32.7	133.1		GGGG			13	38
2757-16164	00000/0000	2-10027/0866	02/17/77	50	555	4720N	09526W	23.2	142.8		GGGG			31	27
2757-16170	00000/0000	2-10027/0867	02/17/77	90	555	4555N	09601W	24.2	141.9		GGGG			31	28
2757-16173	00000/0000	2-10027/0865	02/17/77	10	555	4430N	09634W	25.1	141.1		G GG			31	29
2757-16175	00000/0000	2-10027/0868	02/17/77	10	555	4305N	09706W	26.0	140.2		GGGG			31	30
2757-16182	00000/0000	2-10027/0869	02/17/77	0	555	4140N	09737W	26.9	139.4		GGGG			31	31
2757-16184	00000/0000	2-10027/0870	02/17/77	10	555	4014N	09807W	27.7	138.5		GGG			31	32
2757-16191	00000/0000	2-10027/0871	02/17/77	10	555	3849N	09835W	28.6	137.6		GGGG			31	33

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ ROLL IN MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2757-16193	00000/0000	2-10027/0872	02/17/77	10	555	3723N	09903W	29.5	136.8		GGGG			31	34
2757-16200	00000/0000	2-10027/0873	02/17/77	0	555	3557N	09930W	30.3	136.9		GGGG			31	35
2757-16202	00000/0000	2-10027/0874	02/17/77	10	555	3431N	09956W	31.1	135.0		GGGG			31	36
2757-16205	00000/0000	2-10027/0875	02/17/77	0	555	3305N	10022W	31.9	134.0		GGGG			31	37
2757-16211	00000/0000	2-10027/0876	02/17/77	10	555	3139N	10047W	32.7	133.1		GGGG			31	38
2757-16214	00000/0000	2-10027/0877	02/17/77	0	555	3013N	10111W	33.5	132.1		GGGG			31	39
2757-16220	00000/0000	2-10027/0878	02/17/77	0	555	2847N	10135W	34.3	131.1		GGGG			31	40
2757-16223	00000/0000	2-10027/0879	02/17/77	0	555	2721N	10158W	35.0	130.1		GGGG			31	41
2757-17593	00000/0000	2-10027/0779	02/17/77	70	556	4845N	12036W	22.3	143.6		GGGG			49	26
2757-18000	00000/0000	2-10027/0780	02/17/77	50	556	4720N	12113W	23.3	142.7		GGGG			49	27
2757-18002	00000/0000	2-10027/0781	02/17/77	40	556	4555N	12148W	24.2	141.9		GGGG			49	28
2757-18005	00000/0000	2-10027/0782	02/17/77	20	556	4430N	12221W	25.1	141.1		GGGG			49	29
2757-18011	00000/0000	2-10027/0783	02/17/77	10	556	4305N	12253W	26.0	140.2		GGGG			49	30
2757-18014	00000/0000	2-10027/0784	02/17/77	10	556	4140N	12324W	26.9	139.4		GGGG			49	31
2757-18020	00000/0000	2-10027/0785	02/17/77	30	556	4014N	12354W	27.8	138.5		GGGG			49	32
2757-18023	00000/0000	2-10027/0786	02/17/77	40	556	3848N	12423W	28.6	137.6		GGGG			49	33
2757-18025	00000/0000	2-10027/0787	02/17/77	40	556	3723N	12451W	29.5	136.7		GGGG			49	34
2758-14391	00000/0000	2-10027/0794	02/18/77	30	568	4720N	07102W	23.6	142.6		GGGG			14	27
2758-14393	00000/0000	2-10027/0795	02/18/77	40	568	4555N	07136W	24.5	141.8		GGGG			14	28
2758-14400	00000/0000	2-10027/0796	02/18/77	10	568	4430N	07210W	25.4	140.9		GGGG			14	29
2758-14402	00000/0000	2-10027/0797	02/18/77	0	568	4304N	07242W	26.3	140.0		GGGG			14	30
2758-14405	00000/0000	2-10027/0798	02/18/77	0	568	4138N	07313W	27.2	139.2		GGGG			14	31
2758-14411	00000/0000	2-10027/0799	02/18/77	10	568	4013N	07343W	28.0	138.3		GGGG			14	32
2758-14414	00000/0000	2-10027/0800	02/18/77	10	568	3848N	07411W	28.9	137.4		GGGG			14	33
2758-14420	00000/0000	2-10027/0801	02/18/77	10	568	3722N	07439W	29.7	136.6		GGGG			14	34
2758-14423	00000/0000	2-10027/0802	02/18/77	10	568	3557N	07507W	30.6	135.6		GGGG			14	35
2758-14425	00000/0000	2-10027/0803	02/18/77	10	568	3431N	07533W	31.4	134.7		GGGG			14	36
2758-14432	00000/0000	2-10027/0804	02/18/77	10	568	3305N	07559W	32.2	133.8		GGGG			14	37
2758-14434	00000/0000	2-10027/0805	02/18/77	10	568	3139N	07624W	33.0	132.8		GGGG			14	38
2758-14441	00000/0000	2-10027/0806	02/18/77	40	568	3014N	07648W	33.8	131.9		GGGG			14	39
2758-14443	00000/0000	2-10027/0808	02/18/77	50	568	2848N	07712W	34.5	130.9		GG		H	14	40
2758-14450	00000/0000	2-10027/0807	02/18/77	80	568	2722N	07737W	35.2	129.9		GGGG		H	14	41
2758-16222	00000/0000	2-10027/0820	02/18/77	30	569	4720N	09651W	23.6	142.6		GGGG			32	27
2758-16225	00000/0000	2-10027/0821	02/18/77	80	569	4555N	09726W	24.5	141.7		GFGG			32	28
2758-16231	00000/0000	2-10027/0822	02/18/77	70	569	4430N	09759W	25.4	140.9		GGGG			32	29
2758-16234	00000/0000	2-10027/0823	02/18/77	90	569	4305N	09831W	26.3	140.0		GGGG			32	30

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION RBV	ROLL IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2758-16240	00000/0000	2-10027/0824	02/18/77	10	569	4139N	09902W	27.2	139.2		GGGG			32	31
2758-16243	00000/0000	2-10027/0825	02/18/77	20	569	4013N	09932W	28.1	138.3		GGGG			32	32
2758-16245	00000/0000	2-10027/0826	02/18/77	20	569	3848N	10000W	28.9	137.4		GGGG			32	33
2758-16252	00000/0000	2-10027/0827	02/18/77	30	569	3722N	10028W	29.8	136.5		GGGG			32	34
2758-16254	00000/0000	2-10027/0828	02/18/77	90	569	3556N	10055W	30.6	135.6		GGG			32	35
2758-16261	00000/0000	2-10027/0829	02/18/77	10	569	3430N	10121W	31.4	134.7		GGGG			32	36
2758-16263	00000/0000	2-10027/0830	02/18/77	10	569	3304N	10147W	32.2	133.8		GGGG			32	37
2758-16270	00000/0000	2-10027/0831	02/18/77	0	569	3139N	10212W	33.0	132.8		FGGF			32	38
2758-16272	00000/0000	2-10027/0832	02/18/77	10	569	3013N	10237W	33.8	131.8		FGPG			32	39
2758-16275	00000/0000	2-10027/0833	02/18/77	0	569	2848N	10301W	34.5	130.9		FGGG			32	40
2758-16281	00000/0000	2-10027/0834	02/18/77	0	569	2721N	10325W	35.3	129.8		GGGF			32	41
2758-18054	00000/0000	2-10027/0788	02/18/77	10	570	4720N	12238W	23.6	142.6		GGGG			50	27
2758-18060	00000/0000	2-10027/0789	02/18/77	10	570	4555N	12313W	24.5	141.7		GGGG			50	28
2758-18063	00000/0000	2-10027/0790	02/18/77	10	570	4429N	12347W	25.4	140.9		GGGG			50	29
2758-18065	00000/0000	2-10027/0791	02/18/77	10	570	4304N	12419W	26.3	140.0		GGGG			50	30
2758-18072	00000/0000	2-10027/0792	02/18/77	10	570	4138N	12450W	27.2	139.2		GGGG			50	31
2758-18074	00000/0000	2-10027/0793	02/18/77	50	570	4012N	12520W	28.1	138.3		GGGG			50	32
2759-14445	00000/0000	2-10027/0849	02/19/77	50	582	4719N	07227W	23.9	142.4		GGGG			15	27
2759-14451	00000/0000	2-10027/0850	02/19/77	70	582	4554N	07302W	24.8	141.6		GGGG			15	28
2759-14454	00000/0000	2-10027/0851	02/19/77	90	582	4429N	07335W	25.7	140.7		GGGG			15	29
2759-14460	00000/0000	2-10027/0852	02/19/77	90	582	4304N	07407W	26.6	139.9		GGGG			15	30
2759-14463	00000/0000	2-10027/0853	02/19/77	90	582	4138N	07438W	27.5	139.0		GGGG			15	31
2759-14465	00000/0000	2-10027/0854	02/19/77	90	582	4013N	07508W	28.4	138.1		GGGG			15	32
2759-14472	00000/0000	2-10027/0855	02/19/77	90	582	3847N	07536W	29.2	137.2		GGGG			15	33
2759-14474	00000/0000	2-10027/0856	02/19/77	80	582	3722N	07604W	30.1	136.3		FFFF			15	34
2759-14481	00000/0000	2-10027/0857	02/19/77	70	582	3556N	07631W	30.9	135.4		GGGG			15	35
2759-14483	00000/0000	2-10027/0858	02/19/77	60	582	3430N	07657W	31.7	134.5		GGGG			15	36
2759-14490	00000/0000	2-10027/0859	02/19/77	40	582	3305N	07723W	32.5	133.5		GGGG			15	37
2759-14492	00000/0000	2-10027/0860	02/19/77	40	582	3139N	07748W	33.3	132.6		GGGG			15	38
2759-14495	00000/0000	2-10027/0861	02/19/77	30	582	3013N	07813W	34.0	131.6		GGGG			15	39
2759-14501	00000/0000	2-10027/0864	02/19/77	50	582	2847N	07837W	34.8	130.6		GG			15	40
2759-14504	00000/0000	2-10027/0862	02/19/77	50	582	2721N	07901W	35.5	129.6		GGGG		H	15	41
2759-14510	00000/0000	2-10027/0863	02/19/77	60	582	2555N	07924W	36.2	128.5		GGGG		H	15	42
2759-16283	00000/0000	2-10027/0835	02/19/77	50	583	4556N	09850W	24.8	141.6		GGGG			33	28
2759-16285	00000/0000	2-10027/0836	02/19/77	30	583	4432N	09924W	25.7	140.7		GGGG			33	29
2759-16292	00000/0000	2-10027/0837	02/19/77	10	583	4307N	09956W	26.6	139.9		GGGG			33	30

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LANDSAT-2
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2759-16294	00000/0000	2-10027/0838	02/19/77	10	583	4141N	10027W	27.5	139.0		GGGG			33	31
2759-16301	00000/0000	2-10027/0839	02/19/77	0	583	4015N	10057W	28.3	138.1		GGGG			33	32
2759-16303	00000/0000	2-10027/0840	02/19/77	10	583	3850N	10125W	29.2	137.2		GGGG			33	33
2759-16310	00000/0000	2-10027/0841	02/19/77	10	583	3725N	10153W	30.0	136.3		GGGG			33	34
2759-16312	00000/0000	2-10027/0842	02/19/77	0	583	3559N	10221W	30.9	135.4		GGGG			33	35
2759-16315	00000/0000	2-10027/0843	02/19/77	0	583	3434N	10247W	31.7	134.5		GGGG			33	36
2759-16321	00000/0000	2-10027/0844	02/19/77	0	583	3308N	10313W	32.5	133.6		FGGG			33	37
2759-16324	00000/0000	2-10027/0845	02/19/77	10	583	3142N	10338W	33.3	132.6		GGGG			33	38
2759-16330	00000/0000	2-10027/0846	02/19/77	0	583	3016N	10403W	34.0	131.6		GGGG			33	39
2759-16333	00000/0000	2-10027/0847	02/19/77	0	583	2850N	10427W	34.8	130.6		GGGG			33	40
2759-16335	00000/0000	2-10027/0848	02/19/77	0	583	2724N	10450W	35.5	129.6		GGGG			33	41
2759-18112	00000/0000	2-10027/0880	02/19/77	60	584	4722N	12402W	23.9	142.4		GFGG			51	27
2759-18114	00000/0000	2-10027/0881	02/19/77	80	584	4556N	12437W	24.8	141.6		GGGG			51	28
2759-18121	00000/0000	2-10027/0882	02/19/77	90	584	4431N	12510W	25.7	140.7		GGGG			51	29
2759-18123	00000/0000	2-10027/0883	02/19/77	70	584	4306N	12543W	26.6	139.9		GGGG			51	30
2760-14512	00000/0000	2-10027/0899	02/20/77	80	596	4431N	07500W	26.0	140.6		GGGG			16	29
2760-14514	00000/0000	2-10027/0900	02/20/77	90	596	4305N	07532W	26.9	139.7		GGGG			16	30
2760-14521	00000/0000	2-10027/0901	02/20/77	100	596	4140N	07603W	27.8	138.8		GGGG			16	31
2760-14523	00000/0000	2-10027/0902	02/20/77	100	596	4015N	07633W	28.6	137.9		GGGG			16	32
2760-14530	00000/0000	2-10027/0903	02/20/77	70	596	3849N	07702W	29.5	137.0		GGG			16	33
2760-14532	00000/0000	2-10027/0904	02/20/77	40	596	3724N	07730W	30.3	136.1		GGGG			16	34
2760-14535	00000/0000	2-10027/0905	02/20/77	10	596	3558N	07757W	31.2	135.2		GGG			16	35
2760-14541	00000/0000	2-10027/0906	02/20/77	10	596	3432N	07824W	32.0	134.3		GG G			16	36
2760-14544	00000/0000	2-10027/0898	02/20/77	10	596	3307N	07850W	32.8	133.3		G FG			16	37
2760-14550	00000/0000	2-10027/0907	02/20/77	40	596	3141N	07915W	33.5	132.3		GGGG			16	38
2760-14553	00000/0000	2-10027/0908	02/20/77	80	596	3015N	07940W	34.3	131.3		GGGG			16	39
2760-14555	00000/0000	2-10027/0909	02/20/77	40	596	2849N	08004W	35.0	130.3		GGGG			16	40
2760-14562	00000/0000	2-10027/0910	02/20/77	10	596	2723N	08028W	35.8	129.3		GGGG			16	41
2760-14564	00000/0000	2-10027/0911	02/20/77	10	596	2557N	08051W	36.5	128.2		GGGG			16	42
2760-14571	00000/0000	2-10027/0912	02/20/77	30	596	2431N	08114W	37.1	127.1		GFGG			16	43
2760-16332	00000/0000	2-10027/0884	02/20/77	10	597	4846N	09905W	23.3	143.2		GGGG			34	26
2760-16334	00000/0000	2-10027/0885	02/20/77	10	597	4721N	09941W	24.2	142.3		GGGG			34	27
2760-16341	00000/0000	2-10027/0886	02/20/77	0	597	4556N	10016W	25.1	141.4		GGGG			34	28
2760-16343	00000/0000	2-10027/0887	02/20/77	0	597	4431N	10049W	26.0	140.6		GGGG			34	29
2760-16350	00000/0000	2-10027/0888	02/20/77	0	597	4306N	10122W	26.9	139.7		GGGG			34	30
2760-16352	00000/0000	2-10027/0889	02/20/77	0	597	4140N	10153W	27.8	138.8		GGGG			34	31

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION RBV	IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2760-16355	00000/0000	2-10027/0890	02/20/77	0	597	4015N	10222W	28.7	137.9		FFGG			34	32
2760-16361	00000/0000	2-10027/0891	02/20/77	0	597	3850N	10251W	29.5	137.0		GGG3			34	33
2760-16364	00000/0000	2-10027/0892	02/20/77	10	597	3724N	10320W	30.4	136.1		FFGG			34	34
2760-16370	00000/0000	2-10027/0893	02/20/77	20	597	3558N	10346W	31.2	135.2		FFGG			34	35
2760-16373	00000/0000	2-10027/0894	02/20/77	10	597	3432N	10412W	32.0	134.2		GGGG			34	36
2760-16375	00000/0000	2-10027/0895	02/20/77	10	597	3306N	10438W	32.8	133.3		FGGG			34	37
2760-16384	00000/0000	2-10027/0896	02/20/77	0	597	3014N	10528W	34.3	131.3		GFGG			34	39
2760-16391	00000/0000	2-10027/0897	02/20/77	0	597	2848N	10552W	35.1	130.3		FGGG			34	40
2761-16384	00000/0000	2-10027/0950	02/21/77	10	611	5009N	09953W	22.7	143.9		GGGG			35	25
2761-16390	00000/0000	2-10027/0951	02/21/77	10	611	4844N	10032W	23.7	143.0		GGGG			35	26
2761-16393	00000/0000	2-10027/0952	02/21/77	10	611	4718N	10108W	24.6	142.1		GGGG			35	27
2761-16395	00000/0000	2-10027/0953	02/21/77	10	611	4553N	10143W	25.5	141.3		GGGG			35	28
2761-16402	00000/0000	2-10027/0954	02/21/77	0	611	4429N	10216W	26.4	140.4		GGGG			35	29
2761-16404	00000/0000	2-10027/0955	02/21/77	10	611	4304N	10248W	27.3	139.5		FGGG			35	30
2761-16411	00000/0000	2-10027/0956	02/21/77	20	611	4138N	10319W	28.1	138.6		GGGG			35	31
2761-16413	00000/0000	2-10027/0957	02/21/77	40	611	4013N	10350W	29.0	137.7		FGGG			35	32
2761-16420	00000/0000	2-10027/0958	02/21/77	40	611	3848N	10418W	29.9	136.8		GGGG			35	33
2761-16422	00000/0000	2-10027/0959	02/21/77	30	611	3722N	10447W	30.7	135.9		GGGG			35	34
2761-16425	00000/0000	2-10027/0960	02/21/77	10	611	3556N	10514W	31.5	134.9		GGGG			35	35
2761-16431	00000/0000	2-10027/0961	02/21/77	10	611	3430N	10540W	32.3	134.0		GGGG			35	36
2761-16434	00000/0000	2-10027/0962	02/21/77	0	611	3304N	10605W	33.1	133.0		GF			35	37
2761-16443	00000/0000	2-10027/0963	02/21/77	0	611	3013N	10655W	34.6	131.0		GG			35	39
2762-15013	00000/0000	2-10027/0935	02/22/77	40	624	4842N	07611W	24.0	142.9		GGGG			18	26
2762-15015	00000/0000	2-10027/0936	02/22/77	40	624	4717N	07647W	24.9	142.0		GGGG			18	27
2762-15022	00000/0000	2-10027/0937	02/22/77	70	624	4553N	07722W	25.8	141.1		GGFG			18	28
2762-15024	00000/0000	2-10027/0938	02/22/77	90	624	4428N	07755W	26.7	140.2		GGGG			18	29
2762-15031	00000/0000	2-10027/0939	02/22/77	70	624	4302N	07827W	27.6	139.3		GGGG			18	30
2762-15033	00000/0000	2-10027/0940	02/22/77	10	624	4137N	07857W	28.5	138.4		GGGG			18	31
2762-15040	00000/0000	2-10027/0941	02/22/77	10	624	4012N	07927W	29.3	137.5		GGGG			18	32
2762-15042	00000/0000	2-10027/0942	02/22/77	30	624	3847N	07956W	30.2	136.6		GGGG			18	33
2762-15045	00000/0000	2-10027/0943	02/22/77	10	624	3721N	08023W	31.0	135.7		GGGG			18	34
2762-15051	00000/0000	2-10027/0944	02/22/77	0	624	3555N	08050W	31.8	134.7		GGGG			18	35
2762-15054	00000/0000	2-10027/0945	02/22/77	0	624	3429N	08117W	32.6	133.8		GGGG			18	36
2762-15060	00000/0000	2-10027/0946	02/22/77	0	624	3303N	08143W	33.4	132.8		GGGG			18	37
2762-15063	00000/0000	2-10027/0947	02/22/77	0	624	3138N	08208W	34.1	131.8		GGGP			18	38
2762-15065	00000/0000	2-10027/0948	02/22/77	0	624	3013N	08233W	34.9	130.8		GGGG			18	39

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2762-15072	00000/0000	2-10027/0949	02/22/77	0	624	2846N	08257W	35.6	129.7		GFGG			18	40

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LANDSAT 2
COORDINATE LISTING

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW
LONG	LAT			12345678	NUMBER	NUMBER	LONG	LAT			12345678	NUMBER	NUMBER
06346W	4723N	2753-14104	10	GGGG	9	27	07109W	4310N	2739-14352	10	GGGG	13	30
06514W	4721N	2754-14162	90	GGGG	10	27	07114W	4305N	2757-14344	10	GGGG	13	30
06548W	4557N	2754-14164	50	GGGG	10	28	07115W	3854N	2738-14305	90	GGGG	12	33
06621W	4432N	2754-14171	40	GGGG	10	29	07117W	3849N	2756-14301	100	GGGG	12	33
06636W	4726N	2737-14224	10	GGGG	11	27	07130W	4601N	2740-14401	40	GGFG	14	28
06639W	4721N	2755-14220	70	GGGG	11	27	07136W	4555N	2758-14393	40	GGGG	14	28
06654W	4307N	2754-14173	50	GGGG	10	30	07141W	4145N	2739-14354	20	GGGG	13	31
06711W	4601N	2737-14231	10	GGGG	11	28	07143W	3728N	2738-14312	90	GGGG	12	34
06714W	4557N	2755-14222	10	GGGG	11	28	07144W	4140N	2757-14350	10	GGGG	13	31
06745W	4435N	2737-14233	10	GGGG	11	29	07145W	3724N	2756-14304	100	GGGG	12	34
06748W	4432N	2755-14225	50	GGGG	11	29	07203W	4436N	2740-14404	40	GGFF	14	29
06804W	4726N	2735-14282	80	GFG	12	27	07210W	4430N	2758-14400	10	GGGG	14	29
06808W	4721N	2756-14274	30	GGGG	12	27	07211W	4019N	2739-14361	70	GGGG	13	32
06818W	4310N	2737-14240	20	GGGG	11	30	07211W	3601N	2738-14314	90	GGGG	12	35
06820W	4307N	2755-14231	90	GGGG	11	30	07212W	3558N	2756-14310	100	GGGG	12	35
06839W	4601N	2735-14285	20	GGG	12	28	07214W	4015N	2757-14353	70	GGGG	13	32
06842W	4556N	2756-14281	50	GGGG	12	28	07227W	4719N	2759-14445	50	GGGG	15	27
06849W	4145N	2737-14242	20	FFGG	11	31	07235W	4311N	2740-14410	30	GGFF	14	30
06851W	4141N	2755-14234	90	GGGG	11	31	07242W	4304N	2758-14402	0	GGGG	14	30
06913W	4436N	2738-14291	10	GGG	12	29	07243W	3849N	2757-14355	80	GGGG	13	33
06915W	4431N	2756-14283	10	GGGG	12	29	07302W	4554N	2759-14451	70	GGGG	15	28
06919W	4019N	2737-14245	20	FFGF	11	32	07306W	4145N	2740-14413	10	GGGG	14	31
06921W	4015N	2755-14240	50	GGGG	11	32	07311W	3723N	2757-14362	90	GGGG	13	34
06933W	4720N	2757-14332	60	GGGG	13	27	07313W	4138N	2758-14405	0	GGGG	14	31
06945W	4310N	2735-14294	30	FGGG	12	30	07329W	4436N	2741-14462	70	FGGG	15	29
06947W	4306N	2756-14290	40	GFGG	12	30	07335W	4429N	2759-14454	90	GGGG	15	29
07002W	4602N	2739-14343	30	GGGG	13	28	07336W	4020N	2740-14415	10	GGF	14	32
07008W	4555N	2757-14335	40	GGGG	13	28	07338W	3558N	2757-14364	80	GGGG	13	35
07016W	4145N	2738-14300	30	GGGG	12	31	07343W	4013N	2758-14411	10	GGGG	14	32
07018W	4140N	2756-14292	40	GGGG	12	31	07347W	4726N	2742-14511	0	G	16	27
07036W	4436N	2739-14345	20	GGGG	13	29	07401W	4310N	2741-14464	60	GGGG	15	30
07042W	4430N	2757-14341	10	GGGG	13	29	07405W	3854N	2740-14422	10	GGGF	14	33
07046W	4019N	2738-14303	90	GGGG	12	32	07405W	3432N	2757-14371	80	GGGG	13	36
07048W	4015N	2756-14295	90	GG G	12	32	07407W	4304N	2759-14460	90	GGGG	15	30
07055W	4726N	2740-14395	40	GGFG	14	27	07411W	3848N	2758-14414	10	GGGG	14	33
07102W	4720N	2758-14391	30	GGGG	14	27	07422W	4600N	2742-14514	0	GGGG	16	28

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
07431W	3306N	2757-14373	90	GGGG	13	37	07654W	3436N	2741-14491	0	GGFG	15	36
07432W	4145N	2741-14471	20	GGGG	15	31	07656W	4309N	2743-14581	70	GGGG	17	30
07434W	3728N	2740-14424	70	GGFG	14	34	07657W	3430N	2759-14483	60	GGGG	15	36
07438W	4138N	2759-14463	90	GGGG	15	31	07659W	3853N	2742-14534	0	GGGG	16	33
07439W	3722N	2758-14420	10	GGGG	14	34	07702W	3849N	2760-14530	70	GGG	16	33
07456W	4435N	2742-14520	10	GGGG	16	29	07708W	2852N	2740-14451	50	FGGF	14	40
07457W	3140N	2757-14380	90	GGGG	13	38	07712W	2848N	2758-14443	50	GG	14	40
07500W	4431N	2760-14512	80	GGGG	16	29	07722W	4553N	2762-15022	70	GGFG	18	28
07501W	3602N	2740-14431	100	GGGG	14	35	07723W	3305N	2759-14490	40	GGGG	15	37
07503W	4019N	2741-14473	10	GGGG	15	32	07727W	4143N	2743-14583	90	GGGG	17	31
07507W	3557N	2758-14423	10	GGGG	14	35	07727W	3727N	2742-14541	0	GGGG	16	34
07508W	4013N	2759-14465	90	GGGG	15	32	07730W	3724N	2760-14532	40	GGGG	16	34
07528W	4310N	2742-14523	20	GGGG	16	30	07732W	2725N	2740-14454	10	FFGG	14	41
07528W	3436N	2740-14433	100	GGGG	14	36	07737W	2722N	2758-14450	80	GGGG	14	41
07532W	4305N	2760-14514	90	GGGG	16	30	07748W	3139N	2759-14492	40	GGGG	15	38
07532W	3853N	2741-14480	10	GGFG	15	33	07749W	4434N	2744-15032	20	FFFF	18	29
07533W	3431N	2758-14425	10	GGGG	14	36	07754W	3602N	2742-14543	0	GGGG	16	35
07536W	3847N	2759-14472	90	GGGG	15	33	07755W	4428N	2762-15024	90	GGGG	18	29
07550W	4559N	2743-14572	90	GGGG	17	28	07756W	4018N	2743-14590	80	GGGG	17	32
07554W	3310N	2740-14440	100	GGGG	14	37	07757W	3558N	2760-14535	10	GGG	16	35
07559W	4145N	2742-14525	40	GGGG	16	31	07810W	3018N	2741-14503	40	GGGG	15	39
07559W	3305N	2758-14432	10	GGGG	14	37	07813W	3013N	2759-14495	30	GGGG	15	39
07600W	3727N	2741-14482	0	GGFG	15	34	07821W	4308N	2744-15035	40	GGGF	18	30
07603W	4140N	2760-14521	100	GGGG	16	31	07821W	3436N	2742-14550	0	GGGG	16	36
07604W	3722N	2759-14474	80	FFFF	15	34	07824W	3432N	2760-14541	10	GG G	16	36
07611W	4842N	2762-15013	40	GGGG	18	26	07825W	3852N	2743-14592	20	FGGG	17	33
07619W	3144N	2740-14442	100	GGGF	14	38	07827W	4302N	2762-15031	70	GGGG	18	30
07623W	4434N	2743-14574	100	FGGG	17	29	07834W	2852N	2741-14505	40	GGGG	15	40
07624W	3139N	2758-14434	10	GGGG	14	38	07837W	2847N	2759-14501	50	GG	15	40
07627W	3602N	2741-14485	0	GGGG	15	35	07847W	3310N	2742-14552	10	GGGG	16	37
07629W	4019N	2742-14532	30	GGGG	16	32	07850W	3307N	2760-14544	10	G FG	16	37
07631W	3556N	2759-14481	70	GGGG	15	35	07853W	4143N	2744-15041	90	GGFF	18	31
07633W	4015N	2760-14523	100	GGGG	16	32	07853W	3727N	2743-14595	10	GGGG	17	34
07644W	3018N	2740-14445	90	GG	14	39	07857W	4137N	2762-15033	10	GGGG	18	31
07647W	4717N	2762-15015	40	GGGG	18	27	07858W	4847N	2740-15133	30	GGGG	20	26
07648W	3014N	2758-14441	40	GGGG	14	39	07901W	2721N	2759-14504	50	GGGG	15	41

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
07912W	3144N	2742-14555	30	FGGG	16	38	08115W	4307N	2746-15151	10	GGGG	20	30
07915W	3141N	2760-14550	40	GGGG	16	38	08117W	3429N	2762-15054	0	GGGG	18	36
07916W	4433N	2745-15091	10	G	19	29	08118W	3851N	2745-15105	60	FGGG	19	33
07921W	3601N	2743-15001	50	GGGG	17	35	08128W	2850N	2743-15022	90	GGGG	17	40
07923W	4017N	2744-15044	100	GGGF	18	32	08134W	4600N	2747-15200	10	GGGG	21	28
07924W	2555N	2759-14510	60	GGGG	15	42	08139W	3308N	2744-15064	40	GGGG	18	37
07927W	4012N	2762-15040	10	GGGG	18	32	08143W	3303N	2762-15060	0	GGGG	18	37
07935W	4722N	2746-15140	30	GGGG	20	27	08146W	4142N	2746-15154	10	GGGG	20	31
07937W	3018N	2742-14561	50	GGGG	16	39	08146W	3725N	2745-15111	80	GGGG	19	34
07940W	3015N	2760-14553	80	GGGG	16	39	08150W	4849N	2748-15250	90	GGGG	22	26
07947W	3435N	2743-15004	40	GGGF	17	36	08151W	2724N	2743-15024	40	FGGG	17	41
07949W	4307N	2745-15093	40	GGFG	19	30	08205W	3142N	2744-15071	70	GGGG	18	38
07951W	3852N	2744-15050	70	GGGF	18	33	08208W	4435N	2747-15203	10	GGG	21	29
07956W	3847N	2762-15042	30	GGGG	18	33	08208W	3138N	2762-15063	0	GGGP	18	38
08001W	2852N	2742-14564	70	GGGG	16	40	08214W	3559N	2745-15114	50	GGGG	19	35
08004W	2849N	2760-14555	40	GGGG	16	40	08215W	2558N	2743-15031	20	GGFG	17	42
08009W	4557N	2746-15142	20	GGGG	20	28	08216W	4016N	2746-15160	10	GGGG	20	32
08013W	3309N	2743-15010	30	GGGG	17	37	08226W	4724N	2748-15252	80	GGGG	22	27
08019W	3726N	2744-15053	10	GFGG	18	34	08229W	3017N	2744-15073	90	GGGG	18	39
08020W	4142N	2745-15100	70	GGFG	19	31	08233W	3013N	2762-15065	0	GGGG	18	39
08022W	4850N	2747-15191	10	GGG	21	26	08237W	2431N	2743-15033	10	GGGF	17	43
08023W	3721N	2762-15045	10	GGGG	18	34	08240W	3434N	2745-15120	10	GGGG	19	36
08025W	2725N	2742-14570	80	GGGG	16	41	08241W	4310N	2747-15205	10	GGGG	21	30
08028W	2723N	2760-14562	10	GGGG	16	41	08246W	3850N	2746-15163	10	GGGG	20	33
08038W	3142N	2743-15013	70	GGGG	17	38	08254W	2850N	2744-15080	90	GGGF	18	40
08043W	4432N	2746-15145	10	GGGG	20	29	08257W	2845N	2762-15072	0	GFGG	18	40
08047W	3600N	2744-15055	10	GGGG	18	35	08301W	4559N	2748-15255	90	GGGG	22	28
08048W	2559N	2742-14573	90	GGGG	16	42	08306W	3307N	2745-15123	10	FGGG	19	37
08050W	4016N	2745-15102	30	GGFG	19	32	08312W	4144N	2747-15212	10	GGGG	21	31
08050W	3555N	2762-15051	0	GGGG	18	35	08314W	3724N	2746-15165	0	GGGG	20	34
08051W	2557N	2760-14564	10	GGGG	16	42	08317W	2724N	2744-15082	60	GGFG	18	41
08059W	4725N	2747-15194	10	GGGG	21	27	08318W	4849N	2749-15304	100	GGG	23	26
08103W	3016N	2743-15015	90	GGGG	17	39	08331W	3141N	2745-15125	10	FGGG	19	38
08111W	2433N	2742-14575	80	GGGG	16	43	08334W	4434N	2748-15261	60	GGGG	22	29
08113W	3434N	2744-15062	10	FGGF	18	36	08341W	3558N	2746-15172	0	GGGG	20	35
08114W	2431N	2760-14571	30	GFGG	16	43	08341W	2558N	2744-15085	20	PPPP	18	42

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME RBV NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME RBV NUMBER
08342W	4018N	2747-15214	10	GFFG	21	32	08713W	2852N	2747-15250	70	FGFF	21	40
08354W	4724N	2749-15310	100	GGGG	23	27	08720W	4558N	2751-15425	90	GGGG	25	28
08356W	3015N	2745-15132	10	GGGG	19	39	08723W	3310N	2748-15293	10	GGGG	22	37
08404W	2431N	2744-15091	40	FFFF	18	43	08729W	4143N	2750-15383	0	GFGGGGG	24	31
08406W	4309N	2748-15264	40	GGGG	22	30	08731W	3726N	2749-15340	10	GG G	23	34
08408W	3433N	2746-15174	0	FGGG	20	36	08733W	4848N	2752-15474	80	GGGG	26	26
08411W	3853N	2747-15221	10	GFGG	21	33	08748W	3143N	2748-15300	10	GGGF	22	38
08428W	4559N	2749-15313	90	GGGG	23	28	08753W	4433N	2751-15432	40	GGGG	25	29
08433W	3306N	2746-15181	0	GGGG	20	37	08758W	3600N	2749-15342	0	GGFG	23	35
08437W	4143N	2748-15270	30	GGGG	22	31	08759W	4018N	2750-15385	0	GGGGGGG	24	32
08439W	3727N	2747-15223	0	GGGG	21	34	08810W	4723N	2752-15481	80	FGGG	26	27
08441W	4849N	2750-15362	80	GGGGGGG	24	26	08813W	3017N	2748-15302	10	GGGF	22	39
08459W	3140N	2746-15183	0	GGGG	20	38	08824W	3434N	2749-15345	0	GGGG	23	36
08501W	4434N	2749-15315	70	GGGG	23	29	08825W	4308N	2751-15434	10	GGGF	25	30
08506W	3601N	2747-15230	0	GGGG	21	35	08828W	3852N	2750-15392	0	G GGGGG	24	33
08507W	4018N	2748-15273	40	GGGG	22	32	08837W	2852N	2748-15305	30	FGGG	22	40
08518W	4724N	2750-15365	50	FGGGGGG	24	27	08845W	4558N	2752-15483	80	GGGG	26	28
08523W	3015N	2746-15190	0	GGGG	20	39	08850W	3308N	2749-15351	0	GGGG	23	37
08532W	3436N	2747-15232	0	GGGG	21	36	08856W	3726N	2750-15394	0	GGGGGGG	24	34
08533W	4308N	2749-15322	40	GG G	23	30	08857W	4143N	2751-15441	10	GGGF	25	31
08536W	3852N	2748-15275	10	GGGG	22	33	08902W	4847N	2753-15533	10	GGGG	27	26
08548W	2848N	2746-15192	10	GGFG	20	40	08915W	3143N	2749-15354	0	GGGG	23	38
08553W	4559N	2750-15371	30	GGGG	24	28	08918W	4433N	2752-15490	80	GGGG	26	29
08559W	3309N	2747-15235	0	FGGG	21	37	08923W	3601N	2750-15401	0	GGGGGGG	24	35
08603W	3727N	2748-15282	10	GGGG	22	34	08926W	4017N	2751-15443	10	GGF	25	32
08605W	4143N	2749-15324	50	GFGG	23	31	08939W	4722N	2753-15535	30	G3GG	27	27
08609W	4849N	2751-15420	90	GGGG	25	26	08940W	3017N	2749-15360	0	GGGG	23	39
08624W	3144N	2747-15241	0	FGGG	21	38	08949W	3435N	2750-15403	0	GGGG3GG	24	36
08626W	4433N	2750-15374	40	GGGG	24	29	08951W	4308N	2752-15492	70	GGGG	26	30
08630W	3601N	2748-15284	0	GGGF	22	35	08955W	3851N	2751-15450	10	GGGG	25	33
08635W	4018N	2749-15331	40	GGGG	23	32	09004W	2851N	2749-15363	20	FFFG	23	40
08645W	4723N	2751-15423	90	GGG	25	27	09013W	4557N	2753-15542	90	GGGG	27	28
08649W	3017N	2747-15244	20	FGFG	21	39	09015W	3309N	2750-15410	10	GGGGGG	24	37
08656W	3435N	2748-15291	10	GGGF	22	36	09022W	4142N	2752-15495	40	GGGG	26	31
08658W	4308N	2750-15380	10	GGGG	24	30	09023W	3726N	2751-15452	10	GGGF	25	34
08704W	3852N	2749-15333	10	GGGG	23	33	09028W	2725N	2749-15365	80	GGGG	23	41

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09040W	3143N	2750-15412	10	GGGG	24	38	09345W	4016N	2754-16014	60	GGGG	28	32
09047W	4432N	2753-15544	90	GGGG	27	29	09351W	4727N	2738-16114	20	GGGG	30	27
09050W	3600N	2751-15455	40	GGGF	25	35	09357W	4721N	2756-16110	50	FGGG	30	27
09052W	4017N	2752-15501	40	GGGG	26	32	09358W	3016N	2752-15531	50	GGGG	26	39
09103W	4722N	2754-15593	50	GGGG	28	27	09407W	4310N	2737-16071	60	GGGG	29	30
09105W	3017N	2750-15415	10	GGGG	24	39	09410W	4306N	2755-16063	0	GGGG	29	30
09117W	3434N	2751-15461	90	GGGF	25	36	09411W	3433N	2753-15574	0	GGGG	27	36
09119W	4307N	2753-15551	90	GGGG	27	30	09414W	3850N	2754-16020	50	GGGG	28	33
09130W	2851N	2750-15421	10	GGGG	24	40	09422W	2850N	2752-15533	90	GG G	26	40
09138W	4557N	2754-16000	70	GFGG	28	28	09426W	4601N	2738-16120	50	FGGG	30	28
09142W	3308N	2751-15464	90	GGGF	25	37	09432W	4556N	2756-16112	70	GGGG	30	28
09148W	3726N	2752-15510	80	GGGG	26	34	09436W	3307N	2753-15580	0	GFGG	27	37
09149W	4851N	2737-16053	30	GGGG	29	26	09437W	4145N	2737-16074	30	GGGG	29	31
09149W	4142N	2753-15553	20	GGGG	27	31	09438W	3730N	2736-16031	0	GGGG	28	34
09154W	4846N	2755-16045	10	FGGG	29	26	09441W	4851N	2739-16170	20	FGGG	31	26
09208W	3142N	2751-15470	70	GGGF	25	38	09441W	4141N	2755-16070	0	GGGG	29	31
09211W	4432N	2754-16002	80	GFGG	28	29	09442W	3724N	2754-16023	70	G PF	28	34
09215W	3601N	2752-15513	60	GGGG	26	35	09446W	2723N	2752-15540	100	GGG	26	41
09219W	4016N	2753-15560	10	GGGG	27	32	09501W	4436N	2738-16123	20	GGGG	30	29
09225W	4726N	2737-16060	30	GGGG	29	27	09501W	3141N	2753-15583	0	GGGG	27	38
09230W	4721N	2755-16052	10	GGGG	29	27	09505W	4431N	2756-16115	90	GGGG	30	29
09233W	3016N	2751-15473	70	FGGG	25	39	09505W	3604N	2736-16033	0	GGGG	28	35
09241W	3434N	2752-15515	80	GGGG	26	36	09507W	4020N	2737-16080	10	GGGG	29	32
09244W	4308N	2754-16005	60	GPGG	28	30	09508W	3559N	2754-16025	90	G GG	28	35
09248W	3851N	2753-15562	0	GGGG	27	33	09509W	2557N	2752-15542	80	GGG	26	42
09257W	2850N	2751-15475	30	G GG	25	40	09511W	4015N	2755-16072	10	GGGG	29	32
09300W	4601N	2737-16062	10	GGGG	29	28	09517W	4726N	2739-16172	10	GGGG	31	27
09305W	4556N	2755-16054	0	GGGG	29	28	09526W	4720N	2757-16164	50	GGGG	31	27
09307W	3308N	2752-15522	90	GGGG	26	37	09526W	3015N	2753-15585	0	GGGG	27	39
09315W	4142N	2754-16011	10	G GG	28	31	09532W	3439N	2736-16040	20	GGGG	28	36
09316W	3725N	2753-15565	0	GGGG	27	34	09532W	2431N	2752-15545	70	GGG	26	43
09321W	4846N	2756-16103	50	GGGG	30	26	09533W	4310N	2738-16125	10	GGGG	30	30
09333W	3143N	2752-15524	50	GGGG	26	38	09534W	3433N	2754-16032	50	GGGG	28	36
09334W	4436N	2737-16065	30	GGGG	29	29	09536W	3854N	2737-16083	0	FGGG	29	33
09338W	4431N	2755-16061	0	GGGG	29	29	09537W	4306N	2756-16121	90	GGGG	30	30
09344W	3559N	2753-15571	0	GGGG	27	35	09540W	3850N	2755-16075	10	GGGG	29	33

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PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
09550W	2850N	2753-15592	10	3GGG	27	40
09552W	4601N	2739-16175	10	GGGF	31	28
09558W	3313N	2736-16042	80	GGGG	28	37
09600W	3307N	2754-16034	10	GFGG	28	37
09601W	4555N	2757-16170	90	GGGG	31	28
09604W	3728N	2737-16085	10	FGGF	29	34
09605W	4144N	2738-16132	0	GGGG	30	31
09607W	3725N	2755-16081	20	GGGG	29	34
09608W	4852N	2740-16224	70	FGFG	32	26
09608W	4140N	2756-16124	90	FGGG	30	31
09614W	2724N	2753-15594	40	GGGG	27	41
09623W	3147N	2736-16045	10	GGGG	28	38
09625W	4436N	2739-16181	0	GGGG	31	29
09626W	3142N	2754-16041	10	GGGG	28	38
09632W	3602N	2737-16092	10	FFGG	29	35
09634W	4430N	2757-16173	10	G GG	31	29
09634W	4019N	2738-16134	0	GGGG	30	32
09635W	3559N	2755-16084	40	GGGG	29	35
09636W	2557N	2753-16001	90	GGGG	27	42
09638W	4014N	2756-16130	80	GGGG	30	32
09644W	4727N	2740-16230	10	FGGG	32	27
09649W	3020N	2736-16051	10	GGGG	28	39
09651W	4720N	2758-16222	30	GGGG	32	27
09651W	3016N	2754-16043	0	GGGG	28	39
09657W	4310N	2739-16184	10	GGGG	31	30
09658W	3436N	2737-16094	0	FGGG	29	36
09659W	2431N	2753-16003	100	GGGG	27	43
09701W	3433N	2755-16090	10	GGGG	29	36
09703W	3853N	2738-16141	0	GGGG	30	33
09706W	4305N	2757-16175	10	GGGG	31	30
09706W	3848N	2756-16133	70	GGGG	30	33
09713W	2854N	2736-16054	30	GGGG	28	40
09715W	2850N	2754-16050	0	GGGG	28	40
09719W	4601N	2740-16233	30	GGGG	32	28
09726W	4555N	2758-16225	80	GFGG	32	28
09727W	3306N	2755-16093	10	GGGG	29	37
09729W	4145N	2739-16190	10	GGGF	31	31
09731W	3728N	2738-16143	0	GGGG	30	34
09734W	4851N	2741-16282	10	GGGG	33	26
09734W	3723N	2756-16135	60	GGGG	30	34
09737W	4140N	2757-16182	0	GGGG	31	31
09737W	2728N	2736-16060	60	GGGG	28	41
09738W	2724N	2754-16052	0	GFFG	28	41
09750W	3144N	2737-16103	20	FGGG	29	38
09752W	3140N	2755-16095	50	GGGG	29	38
09753W	4436N	2740-16235	70	GGF	32	29
09758W	3602N	2738-16150	0	GFFF	30	35
09759W	4430N	2758-16231	70	GGGG	32	29
09759W	4019N	2739-16193	10	GGGG	31	32
09800W	2602N	2736-16063	30	GGGG	28	42
09801W	3557N	2756-16142	90	GGGG	30	35
09802W	2558N	2754-16055	0	GGFG	28	42
09807W	4014N	2757-16184	10	GGG	31	32
09810W	4726N	2741-16284	10	GGGG	33	27
09815W	3017N	2737-16110	0	GFGG	29	39
09817W	3015N	2755-16102	90	GGGG	29	39
09825W	4310N	2740-16242	90	GFGG	32	30
09825W	3436N	2738-16152	0	GFGG	30	36
09827W	3432N	2756-16144	70	GGGG	30	36
09828W	3854N	2739-16195	20	GFGF	31	33
09831W	4305N	2758-16234	90	GGGG	32	30
09835W	3849N	2757-16191	10	GGGG	31	33
09841W	2849N	2755-16104	90	GGGG	29	40
09845W	4601N	2741-16291	0	GGGG	33	28
09850W	4556N	2759-16283	50	GGGG	33	28
09851W	3310N	2738-16155	50	GGFG	30	37
09852W	3306N	2756-16151	60	GGGG	30	37
09856W	4145N	2740-16244	50	GGFG	32	31
09856W	3727N	2739-16202	20	GGGG	31	34
09902W	4139N	2758-16240	10	GGGG	32	31
09903W	3723N	2757-16193	10	GGGG	31	34
09903W	2725N	2737-16115	50	FGFG	29	41

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PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
09905W	4846N	2760-16332	10	GGGG	34	26	10047W	3139N	2757-16211	10	GGGG	31	38
09905W	2723N	2755-16111	100	GGGG	29	41	10049W	4431N	2760-16343	0	GGGG	34	29
09916W	3144N	2738-16161	50	GGGG	30	38	10051W	3602N	2740-16262	0	GGGF	32	35
09918W	3140N	2756-16153	10	FGGG	30	38	10052W	2559N	2738-16175	40	GGGG	30	42
09919W	4435N	2741-16293	0	GGGG	33	29	10053W	4019N	2741-16305	80	GGGG	33	32
09924W	4432N	2759-16285	30	GGGG	33	29	10054W	2556N	2756-16171	10	PGGG	30	42
09924W	3602N	2739-16204	50	GGGF	31	35	10055W	3556N	2758-16254	90	GGG	32	35
09926W	4019N	2740-16251	10	GGGF	32	32	10057W	4015N	2759-16301	0	GGGG	33	32
09926W	2559N	2737-16121	40	FGGG	29	42	10103W	4725N	2743-16401	80	GFGG	35	27
09929W	2557N	2755-16113	90	GGGG	29	42	10106W	3017N	2739-16222	90	GGGG	31	39
09930W	3557N	2757-16200	0	GGGG	31	35	10108W	4718N	2761-16393	10	GGGG	35	27
09932W	4013N	2758-16243	20	GGGG	32	32	10111W	3013N	2757-16214	0	GGGG	31	39
09941W	4721N	2760-16334	10	GGGG	34	27	10117W	3436N	2740-16265	0	FGGG	32	36
09941W	3018N	2738-16164	30	GGGG	30	39	10121W	3430N	2758-16261	10	GGGG	32	36
09943W	3014N	2756-16160	0	FGGG	30	39	10122W	4306N	2760-16350	0	GGGG	34	30
09950W	3435N	2739-16211	70	GGGG	31	36	10122W	3854N	2741-16311	70	GGGG	33	33
09952W	4310N	2741-16300	0	GGGG	33	30	10125W	3850N	2759-16303	10	GGGG	33	33
09953W	5009N	2761-16384	10	GGGG	35	25	10130W	2851N	2739-16225	80	GGGG	31	40
09955W	3853N	2740-16253	10	GGGG	32	33	10135W	2847N	2757-16220	0	GGGG	31	40
09956W	4307N	2759-16292	10	GGGG	33	30	10138W	4559N	2743-16403	70	GGGG	35	28
09956W	3431N	2757-16202	10	GGGG	31	36	10143W	4553N	2761-16395	10	GGGG	35	28
10000W	3848N	2758-16245	20	GGGG	32	33	10144W	3310N	2740-16271	10	GGGG	32	37
10005W	2851N	2738-16170	40	GGGG	30	40	10147W	3304N	2758-16263	10	GGGG	32	37
10007W	2848N	2756-16162	0	GGG	30	40	10150W	3728N	2741-16314	50	GGGG	33	34
10016W	4556N	2760-16341	0	GGGG	34	28	10153W	4140N	2760-16352	0	GGGG	34	31
10016W	3309N	2739-16213	90	GGGG	31	37	10153W	3725N	2759-16310	10	GGGG	33	34
10022W	3305N	2757-16205	0	GGGG	31	37	10154W	4849N	2744-16453	90	GGGG	36	26
10023W	4144N	2741-16302	60	GGGG	33	31	10154W	2725N	2739-16231	60	GGGG	31	41
10023W	3727N	2740-16260	0	GFGG	32	34	10158W	2721N	2757-16223	0	GGGG	31	41
10027W	4850N	2743-16394	90	GGGF	35	26	10209W	3144N	2740-16274	40	GGGG	32	38
10027W	4141N	2759-16294	10	GGGG	33	31	10212W	4435N	2743-16410	10	GGGG	35	29
10028W	3722N	2758-16252	30	GGGG	32	34	10212W	3139N	2758-16270	0	FGGF	32	38
10029W	2725N	2738-16179	60	GGGG	30	41	10216W	4429N	2761-16402	0	GGGG	35	29
10031W	2722N	2756-16165	0	FGGG	30	41	10217W	3602N	2741-16320	40	GGGG	33	35
10032W	4844N	2761-16390	10	GGGG	35	26	10221W	3559N	2759-16312	0	GGGG	33	35
10041W	3144N	2739-16229	90	GGGG	31	38	10222W	4015N	2760-16355	0	FFGG	34	32

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
10230W	4724N	2744-16455	70	GGGG	36	27
10234W	3018N	2740-16280	10	GGGG	32	39
10237W	3013N	2758-16272	10	FGPG	32	39
10244W	4309N	2743-16412	0	GGGG	35	30
10244W	3436N	2741-16323	10	GGGG	33	36
10247W	3434N	2759-16315	0	GGGG	33	36
10248W	4304N	2761-16404	10	FGGG	35	30
10251W	3850N	2760-16361	0	GGGG	34	33
10258W	2851N	2740-16283	40	FGGG	32	40
10301W	2848N	2758-16275	0	FG3G	32	40
10306W	4559N	2744-16462	50	GGGG	36	28
10310W	3309N	2741-16325	0	GGGG	33	37
10313W	3308N	2759-16321	0	FGGG	33	37
10315W	4144N	2743-16415	10	GGGG	35	31
10319W	4138N	2761-16411	20	GGGG	35	31
10320W	4848N	2745-16511	90	GGGG	37	26
10320W	3724N	2760-16364	10	FFGG	34	34
10321W	2725N	2740-16285	90	GGGG	32	41
10325W	2721N	2758-16281	0	GGGF	32	41
10335W	3143N	2741-16332	0	GGGG	33	38
10338W	3142N	2759-16324	10	GGGG	33	38
10339W	4434N	2744-16464	10	GGGG	36	29
10345W	4018N	2743-16421	10	GGGG	35	32
10346W	3558N	2760-16370	20	FFGG	34	35
10350W	4013N	2761-16413	40	FGGG	35	32
10357W	4723N	2745-16513	80	GGGG	37	27
10359W	3018N	2741-16334	0	FGGG	33	39
10403W	3016N	2759-16330	0	GGGG	33	39
10412W	4309N	2744-16471	20	GGGG	36	30
10412W	3432N	2760-16373	10	GGGG	34	36
10414W	3853N	2743-16424	0	GGGG	35	33
10418W	3848N	2761-16420	40	GGGG	35	33
10424W	2852N	2741-16341	0	GFGG	33	40
10427W	2850N	2759-16333	0	GGGG	33	40
10433W	4558N	2745-16520	20	GGGG	37	28
10438W	3306N	2760-16375	10	FGGG	34	37
10442W	3726N	2743-16430	10	GGGF	35	34
10443W	4143N	2744-16473	20	GGGG	36	31
10445W	4851N	2746-16565	60	G3GG	38	26
10447W	3722N	2761-16422	30	GGGG	35	34
10448W	2725N	2741-16343	0	GGGG	33	41
10450W	2724N	2759-16335	0	GGGG	33	41
10506W	4433N	2745-16522	10	GGGG	37	29
10509W	3600N	2743-16433	10	GGGG	35	35
10512W	4017N	2744-16480	10	GGGG	36	32
10514W	3556N	2761-16425	10	GGGG	35	35
10523W	4726N	2746-16571	80	GGGG	38	27
10528W	3014N	2760-16384	0	GFGG	34	39
10536W	3434N	2743-16435	10	GGGG	35	36
10539W	4307N	2745-16525	10	GGGF	37	30
10540W	3430N	2761-16431	10	GGGG	35	36
10541W	3852N	2744-16482	30	GFGG	36	33
10552W	2848N	2760-16391	0	FGGG	34	40
10558W	4601N	2746-16574	60	GGGG	38	28
10602W	3309N	2743-16442	10	GGGG	35	37
10605W	3304N	2761-16434	0	GF	35	37
10609W	4142N	2745-16531	20	GGGG	37	31
10609W	3726N	2744-16485	20	GGGG	36	34
10611W	4851N	2747-17023	10	GGGG	39	26
10628W	3143N	2743-16444	10	GGGF	35	38
10631W	4435N	2746-16580	10	GGGG	38	29
10637W	3600N	2744-16491	10	GGGG	36	35
10639W	4016N	2745-16534	30	GGGG	37	32
10648W	4726N	2747-17030	20	GGGG	39	27
10652W	3017N	2743-16451	10	GGGG	35	39
10655W	3013N	2761-16443	0	GG	35	39
10703W	4310N	2746-16583	30	GGGF	38	30
10703W	3434N	2744-16494	10	GGGG	36	36
10708W	3851N	2745-16540	30	GGGG	37	33
10723W	4600N	2747-17032	0	GGGG	39	28
10729W	3307N	2744-16500	0	GGGG	36	37
10733W	4144N	2746-16585	10	GGGG	38	31

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME RBV NUMBER
10736W	3725N	2745-16543	30	FGGG	37	34
10738W	4850N	2748-17081	10	GFGG	40	26
10754W	3142N	2744-16503	0	GGGG	36	38
10756W	4435N	2747-17035	0	GGGG	39	29
10803W	4019N	2746-16592	10	GGGG	38	32
10803W	3559N	2745-16545	40	FGGF	37	35
10815W	4725N	2748-17084	10	GGGG	40	27
10819W	3016N	2744-16505	10	FGGG	36	39
10828W	4310N	2747-17041	0	GGGG	39	30
10829W	3433N	2745-16552	20	GGGG	37	36
10832W	3853N	2746-16594	10	GGGG	38	33
10844W	2850N	2744-16512	10	GGGG	36	40
10850W	4559N	2748-17090	10	GGGG	40	28
10855W	3307N	2745-16554	10	GGFG	37	37
10859W	4144N	2747-17044	0	GGGG	39	31
10900W	3727N	2746-17001	10	GGGG	38	34
10904W	4849N	2749-17135	10	GGGG	41	26
10920W	3141N	2745-16561	10	GGGG	37	38
10924W	4434N	2748-17093	10	GGGG	40	29
10927W	3601N	2746-17003	0	GGGG	38	35
10929W	4019N	2747-17050	0	GGGG	39	32
10941W	4724N	2749-17142	10	GGGG	41	27
10945W	3015N	2745-16563	10	GGGG	37	39
10953W	3436N	2746-17010	10	GGGG	38	36
10956W	4309N	2748-17095	10	GGGG	40	30
10957W	3853N	2747-17053	0	GFGG	39	33
11016W	4559N	2749-17144	10	GGGG	41	28
11019W	3310N	2746-17012	20	GGGG	38	37
11025W	3727N	2747-17055	10	FGGG	39	34
11027W	4144N	2748-17102	0	GGGF	40	31
11044W	3144N	2746-17015	10	GGGG	38	38
11050W	4434N	2749-17151	0	GGGG	41	29
11053W	3602N	2747-17062	10	FGGG	39	35
11057W	4018N	2748-17104	10	GGGG	40	32
11107W	4723N	2750-17200	90	GGGG	42	27
11109W	3018N	2746-17021	0	GGGG	38	39
11119W	3436N	2747-17064	0	FGGG	39	36
11122W	4309N	2749-17153	10	G3GG	41	30
11126W	3852N	2748-17111	0	GGGG	40	33
11143W	4558N	2750-17203	90	GGGG	42	28
11145W	3310N	2747-17071	0	FGGG	39	37
11153W	4143N	2749-17160	10	GGGG	41	31
11153W	3726N	2748-17113	0	GGGG	40	34
11158W	4848N	2751-17252	10	G GF	43	26
11210W	3144N	2747-17073	0	FFGG	39	38
11216W	4434N	2750-17205	70	FGGG	42	29
11220W	3601N	2748-17120	10	GGGG	40	35
11223W	4018N	2749-17162	20	GGGG	41	32
11235W	4723N	2751-17254	40	GGGF	43	27
11235W	3017N	2747-17080	0	GGGG	39	39
11247W	3434N	2748-17122	10	GGGG	40	36
11249W	4308N	2750-17212	60	G3GG	42	30
11252W	3852N	2749-17165	40	GGFG	41	33
11310W	4558N	2751-17261	80	PGPG	43	28
11312W	3308N	2748-17125	10	GGGG	40	37
11320W	4143N	2750-17214	10	GGGG	42	31
11320W	3727N	2749-17171	50	GGGG	41	34
11322W	4848N	2752-17310	70	FG G	44	26
11338W	3143N	2748-17131	10	G3FG	40	38
11344W	4433N	2751-17263	40	P3GG	43	29
11347W	3601N	2749-17174	30	GGG	41	35
11350W	4018N	2750-17221	10	GGGG	42	32
11359W	4723N	2752-17313	90	F G	44	27
11403W	3018N	2748-17134	10	GGGF	40	39
11413W	3435N	2749-17180	10	G3GG	41	36
11417W	4308N	2751-17270	10	GPG	43	30
11419W	3852N	2750-17223	0	GGGG	42	33
11435W	4558N	2752-17315	80	GFGG	44	28
11439W	3309N	2749-17183	60	GGGG	41	37
11444W	4854N	2735-17372	80	PGGG	45	26
11447W	3725N	2750-17230	10	GGGG	42	34
11448W	4848N	2753-17364	10	FGGG	45	26

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
11448W	4142N	2751-17272	10	GGG	43	31	11757W	3141N	2751-17302	0	GGGF	43	38
11503W	3143N	2749-17185	30	GGGG	41	38	11802W	4432N	2754-17434	0	GGGG	46	29
11509W	4433N	2752-17322	50	FFGG	44	29	11804W	4021N	2735-17395	0	GGGG	45	32
11514W	3600N	2750-17232	10	PGGG	42	35	11806W	3559N	2752-17345	10	GFGG	44	35
11517W	4017N	2751-17275	10	GPGG	43	32	11808W	4016N	2753-17391	10	GGGG	45	32
11520W	4729N	2735-17375	30	FFGG	45	27	11812W	4730N	2737-17491	90	FGGG	47	27
11525W	4722N	2753-17371	30	GGGG	45	27	11821W	4721N	2755-17483	30	GGGG	47	27
11540W	3434N	2750-17235	10	GGGG	42	36	11829W	4314N	2736-17444	10	GGGG	46	30
11542W	4308N	2752-17324	50	GGGG	44	30	11831W	5010N	2756-17532	90	GGGG	48	25
11546W	3851N	2751-17281	0	GGGG	43	33	11832W	3434N	2752-17351	0	GFGG	44	36
11556W	4604N	2735-17381	30	FFGF	45	28	11833W	4306N	2754-17440	0	GGGG	46	30
11600W	4557N	2753-17373	10	GGGG	45	28	11834W	3856N	2735-17402	10	GGG	45	33
11606W	3309N	2750-17241	0	GGGG	42	37	11836W	3851N	2753-17394	0	GGGG	45	33
11613W	4142N	2752-17331	50	GFGG	44	31	11848W	4605N	2737-17494	80	FGGG	47	28
11614W	3725N	2751-17284	0	GFGG	43	34	11855W	4556N	2755-17490	20	GGGG	47	28
11617W	4847N	2754-17422	10	GGGG	46	26	11858W	3308N	2752-17354	0	GGGF	44	37
11630W	4438N	2735-17384	40	FGGG	45	29	11900W	4148N	2736-17451	0	GGGG	46	31
11631W	3143N	2750-17244	10	GGGG	42	38	11902W	3730N	2735-17404	10	FGGG	45	34
11634W	4432N	2753-17380	10	GGGG	45	29	11904W	4141N	2754-17443	0	GGGG	46	31
11641W	3559N	2751-17290	0	GFGG	43	35	11905W	3725N	2753-17400	10	GGGG	45	34
11642W	4016N	2752-17333	10	FG	44	32	11906W	4852N	2738-17543	30	GGGG	48	26
11647W	4729N	2736-17433	70	GGGG	46	27	11910W	4846N	2756-17535	10	GGGG	48	26
11653W	4722N	2754-17425	10	GGGG	46	27	11921W	4439N	2737-17500	10	GGGP	47	29
11703W	4313N	2735-17390	50	FGGG	45	30	11929W	4431N	2755-17492	60	GGGG	47	29
11707W	4307N	2753-17382	10	GGGG	45	30	11929W	3604N	2735-17411	60	GGFF	45	35
11707W	3433N	2751-17293	0	GGG	43	36	11930W	4022N	2736-17453	10	GGGG	46	32
11711W	3850N	2752-17340	10	GGGG	44	33	11932W	3559N	2753-17403	10	GGGG	45	35
11722W	4604N	2736-17435	30	GGGG	46	28	11934W	4016N	2754-17445	0	GGGG	46	32
11728W	4557N	2754-17431	10	GGGG	46	28	11942W	4727N	2738-17545	80	GGGG	48	27
11732W	3307N	2751-17295	0	GGGF	43	37	11947W	4721N	2756-17541	20	GGGG	48	27
11734W	4148N	2735-17393	10	FGGF	45	31	11954W	4314N	2737-17503	0	GGGG	47	30
11735W	4855N	2737-17485	40	FGGG	47	26	11956W	3438N	2735-17413	10	FFGG	45	36
11738W	4141N	2753-17385	10	GGGG	45	31	11958W	3433N	2753-17405	10	GGGG	45	36
11739W	3724N	2752-17342	0	FGGG	44	34	11959W	3856N	2736-17460	10	GGGG	46	33
11745W	4846N	2755-17481	50	GGGG	47	26	12001W	4306N	2755-17495	60	FGGG	47	30
11756W	4440N	2736-17442	30	GGGG	46	29	12003W	3850N	2754-17452	0	GGGG	46	33

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LANDSAT-2
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FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
12017W	4602N	2738-17552	80	GGGG	48	28	12233W	4727N	2740-18062	90	FGGG	50	27
12022W	3312N	2735-17420	10	FGFF	45	37	12238W	4720N	2738-18054	10	GGGG	50	27
12023W	4056N	2736-17544	20	GGGG	48	28	12247W	4311N	2739-18015	30	GGGG	49	30
12026W	4148N	2737-17505	0	FGGG	47	31	12247W	3438N	2737-17530	40	FGGF	47	36
12028W	3730N	2736-17462	50	GGGG	46	34	12253W	4305N	2757-18011	10	GGGG	49	30
12030W	4851N	2739-18001	30	GGGG	49	26	12253W	3853N	2738-17572	40	GGGG	48	33
12031W	3725N	2754-17454	10	GGGG	46	34	12257W	3849N	2756-17564	30	GGGG	48	33
12032W	4141N	2755-17501	70	FFGG	47	31	12308W	4601N	2740-18064	90	GGGP	50	28
12036W	4845N	2757-17593	70	GGGG	49	26	12313W	4555N	2758-18060	10	GGGG	50	28
12050W	4436N	2738-17554	30	GGGG	48	29	12318W	4145N	2739-18022	40	FGGG	49	31
12055W	3604N	2736-17465	50	GGGG	46	35	12321W	4851N	2741-18114	90	GGGF	51	26
12056W	4431N	2756-17550	40	GGGG	48	29	12321W	3727N	2738-17575	50	GGGG	48	34
12056W	4022N	2737-17512	10	FGGG	47	32	12324W	4140N	2757-18014	10	GGGG	49	31
12059W	3559N	2754-17461	10	GGGG	46	35	12325W	3723N	2756-17571	70	GGGG	48	34
12102W	4015N	2755-17504	60	GGGG	47	32	12341W	4436N	2740-18071	80	GGGF	50	29
12107W	4726N	2739-18004	40	GGGG	49	27	12347W	4429N	2758-18063	10	GGGG	50	29
12113W	4720N	2757-18000	50	GGGG	49	27	12348W	4020N	2739-18024	40	FGGF	49	32
12122W	4311N	2735-17561	0	GGGG	48	30	12349W	3602N	2738-17581	30	FGGG	48	35
12125W	3856N	2737-17514	40	FGGG	47	33	12354W	4014N	2757-18020	30	GGGG	49	32
12125W	3433N	2754-17463	40	GGGG	46	36	12358W	4726N	2741-18120	80	GGGF	51	27
12128W	4305N	2756-17553	30	GGGG	48	30	12402W	4722N	2759-18112	60	GFGG	51	27
12130W	3849N	2755-17510	10	GGGG	47	33	12414W	4311N	2740-18073	60	GGGG	50	30
12142W	4601N	2739-18010	40	GGGG	49	28	12417W	3854N	2739-18031	60	FGGF	49	33
12147W	3311N	2736-17474	80	FGGG	46	37	12419W	4304N	2758-18065	10	GGGG	50	30
12148W	4555N	2757-18002	40	GGGG	49	28	12423W	3848N	2757-18023	40	GGGG	49	33
12153W	4145N	2738-17563	0	GGGG	48	31	12434W	4601N	2741-18123	50	GGGG	51	28
12153W	3730N	2737-17521	40	PFFF	47	34	12437W	4556N	2759-18114	80	GGGG	51	28
12156W	4852N	2740-18055	90	FGGF	50	26	12446W	4145N	2740-18080	40	FGGG	50	31
12158W	3723N	2755-17513	10	GGGG	47	34	12449W	4850N	2742-18172	20	GGGG	52	26
12159W	4139N	2756-17550	20	GFGG	48	31	12450W	4138N	2758-18072	10	GGGG	50	31
12215W	4436N	2739-18013	30	GGGG	49	29	12451W	3723N	2757-18025	40	GGGG	49	34
12221W	4430N	2757-18005	20	GGGG	49	29	12510W	4431N	2759-18121	90	GGGG	51	29
12221W	3605N	2737-17523	10	FGFG	47	35	12516W	4019N	2740-18082	40	GFGF	50	32
12223W	4019N	2738-17570	10	GGG	48	32	12520W	4012N	2758-18074	50	GGGG	50	32
12225W	3558N	2755-17515	60	GGGG	47	35	12543W	4306N	2759-18123	70	GGGG	51	30
12228W	4014N	2756-17562	10	GGGG	48	32	12545W	3853N	2740-18085	40	FGGF	50	33

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
12615W	4850N	DW- C7W	0	DWGGG	53	26

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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

GPO 904-038

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