NTISUB/C/138-009

LANDSAT

U.S. STANDARD CATALOG

SEPTEMBER 1, 1977

THROUGH

SEPTEMBER 30, 1977

GSFC/LU-C/009

GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Subscription Service Now Available

"Landsat U. S. Standard Catalog", a monthly publication of NASA, is now available as a subscription item from the National Technical Information Service. For further information about starting a subscription, write to

Subscriptions
National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161

or call (703) 557-4630

Annual subscriptions (12 issues) cost $45 (North American Continent) or $90 for addresses outside the North American Continent.

Single copies $4.75 (North American Continent) or $9.50 for addresses outside the North American Continent.

BIBLIOGRAPHIC DATA SHEET	1. Report No. GSFC/LU-C/009	2.	3. Recipient's Accession No. NTISUB/C/138-009
4. Title and Subtitle Landsat U.S. Standard Catalog			5. Report Date September 1977 6.
7. Author(s) N/A			8. Performing Organization Rept. No. N/A
9. Performing Organization Name and Address National Aeronautics and Space Administration Goddard Space Flight Center Code 563 Greenbelt, Maryland 20771			10. Project/Task/Work Unit No. N/A 11. Contract/Grant No. N/A
12. Sponsoring Organization Name and Address same as above			13. Type of Report & Period Covered 14.

15. Supplementary Notes

Published monthly

16. Abstracts

The U.S. Standard Catalog lists U.S. imagery acquired by Landsat 1 and 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.

17. Key Words and Document Analysis. 17a. Descriptors

17b. Identifiers/Open-Ended Terms

Landsat (formerly ERTS)
ERTS
Earth Resources Technology Satellite

17c. COSATI Field/Group

18. Availability Statement	19. Security Class (This Report)	21. No. of Pages
release unlimited	UNCLASSIFIED	118 *
	20. Security Class (This Page) UNCLASSIFIED	22. Price

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

INDEX

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 ② FROM 09 01/75 TO 02.31/75

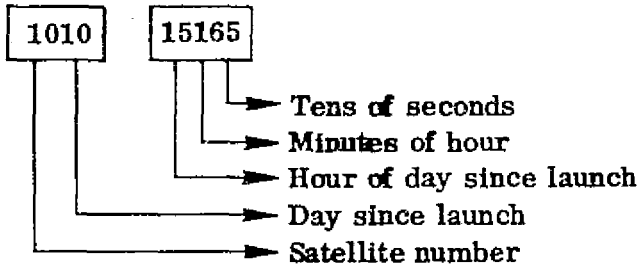
③ OBSERVATION ID	④ MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	⑤ DATE ACQUIRED	⑥ CLOUD COVER	⑦ ORBIT NUMBER	⑧ PRINCIPAL POINT OF IMAGE LAT	LONG	⑨ SUN ELEV	SUN AZIM	⑩ IMAGE QUALITY RBV 123	MSS 45678	⑪ MSS DATA MODE	⑫ MSS IMAGE GAIN
2218-14565	00000/0000	2-10010/0718	08/28/75	70	3038	3435N	07514W	52 1	121 3		EEGG		
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	2951N	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		TFFF		
2218-18192	00000/0000	2-10010/0724	08/28/75	90	3040	4725N	12218W	45 6	139 0		TFFF		
2218-18195	00000/0000	2-10010/0725	08/28/75	90	3040	4600N	12253W	46 5	137 4		TTTF		

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.

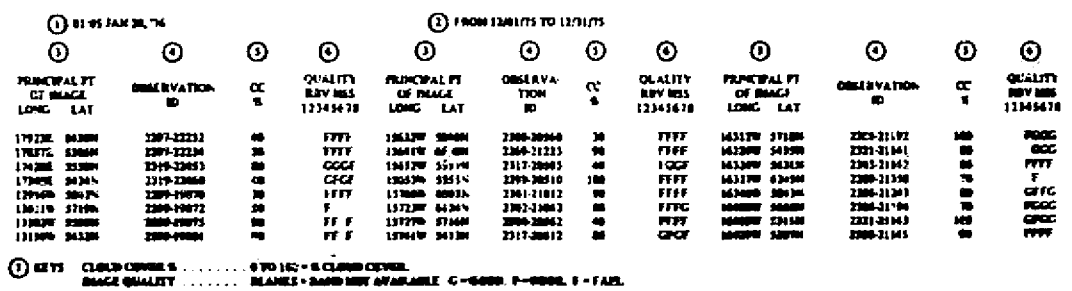


Figure 1-2. Coordinate Listing for Standard Catalog

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

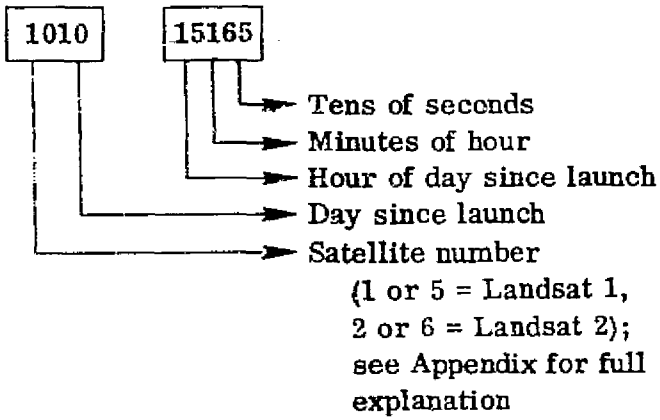
(3) PRINCIPAL POINT OF IMAGE LONG	LAT	(4) OBSERVATION ID	(5) MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	(6) DATE ACQUIRED	(7) CLOUD COVER %	(8) ORBIT NUMBER	(9) SUN ELEV.	SUN AZIM.	(10) IMAGE QUALITY RBV 123	MSS 4 5 6 7 8	(11) MSS DATA MODE	(12) MSS IMAGE GAIN
11555W	6128N	1817-18222	00000/0000	20050/1486	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	2806	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

.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.

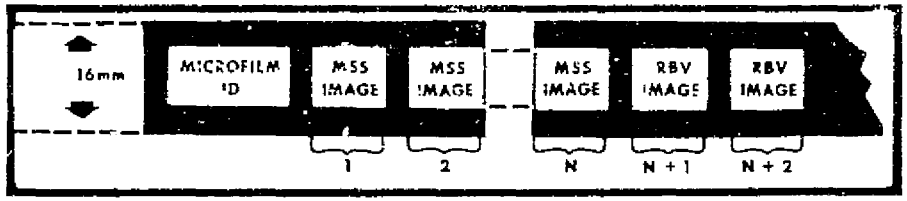


Figure 2-1. Microfilm Format

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.

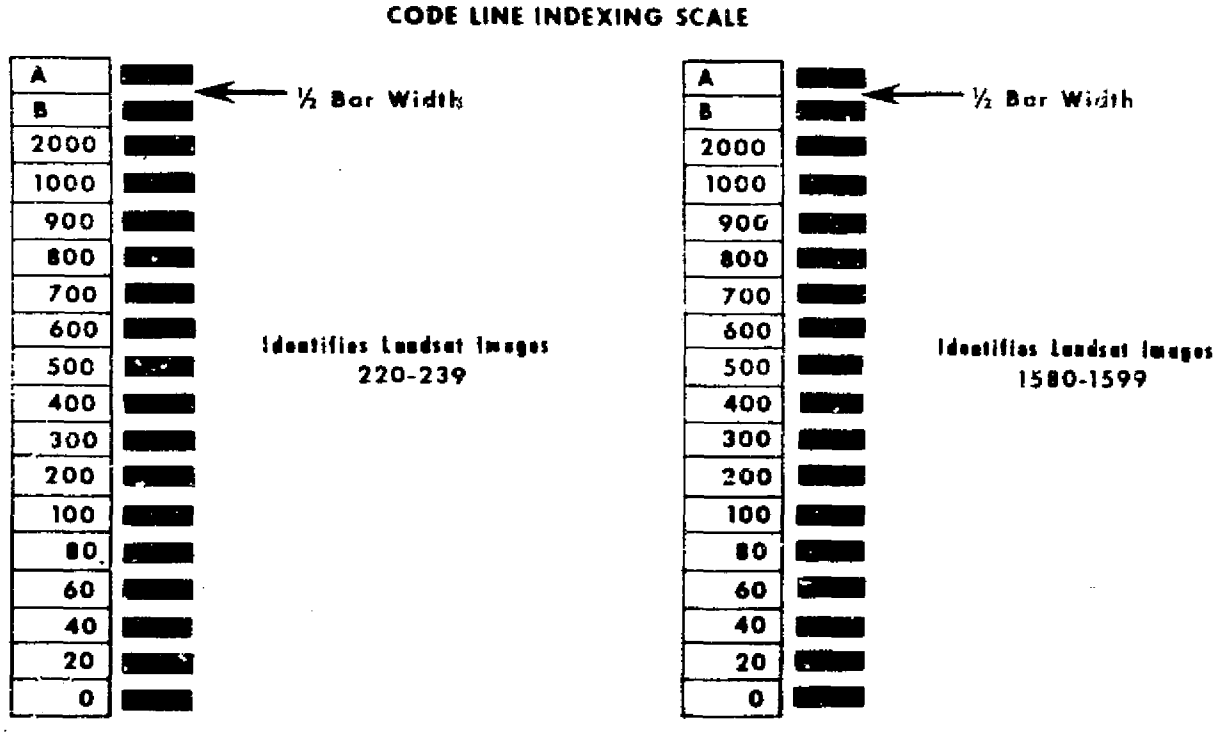


Figure 2-2. Code Line Indexing Scale

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 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 — CYCLE CHARTS

SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	214	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	16 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	31 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	8 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1089	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	8 Sep 75

SECTION 3.1 -- LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	11322	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

LANDSAT 1
OBSERVATION ID LISTING

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5842-15424	00000/0000	1-10062/0001	08/08/77	10	5685	4851N	10040W	40.2	114.6		FGG			35	26
5842-15431	00000/0000	1-10062/0002	08/08/77	10	5685	4726N	10116W	40.5	113.1		G G			35	27
5842-15433	00000/0000	1-10062/0003	08/08/77	10	5685	4601N	10151W	40.7	111.5		GGP			35	28
5842-15440	00000/0000	1-10062/0004	08/08/77	10	5685	4436N	10224W	40.9	109.9		GGG			35	29
5842-15442	00000/0000	1-10062/0005	08/08/77	70	5685	4311N	10256W	41.1	108.4		GGG			35	30
5842-15445	00000/0000	1-10062/0006	08/08/77	60	5685	4146N	10326W	41.2	106.8		GGG			35	31
5842-15451	00000/0000	1-10062/0007	08/08/77	10	5685	4021N	10356W	41.3	105.3		GGG			35	32
5842-15454	00000/0000	1-10062/0008	08/08/77	70	5685	3855N	10425W	41.4	103.8		GGG			35	33
5842-15460	00000/0000	1-10062/0009	08/08/77	40	5685	3729N	10453W	41.5	102.3		GGG			35	34
5842-15463	00000/0000	1-10062/0010	08/08/77	10	5685	3603N	10520W	41.5	100.8		GGG			35	35
5842-15465	00000/0000	1-10062/0011	08/08/77	0	5685	3437N	10546W	41.5	99.3		GGG			35	36
5842-15472	00000/0000	1-10062/0012	08/08/77	10	5685	3311N	10611W	41.4	97.8		GGG			35	37
5842-15474	00000/0000	1-10062/0013	08/08/77	0	5685	3146N	10635W	41.3	96.4		GGG			35	38
5842-15481	00000/0000	1-10062/0014	08/08/77	0	5685	3020N	10658W	41.2	94.9		GGF			35	39
5850-14472	00000/0000	1-10062/0023	08/16/77	80	5796	3855N	09000W	40.0	106.4		FGG			25	33
5850-14475	00000/0000	1-10062/0024	08/16/77	70	5796	3729N	09028W	40.1	104.9		GGG			25	34
5850-14481	00000/0000	1-10062/0025	08/16/77	70	5796	3603N	09055W	40.2	103.5		GGG			25	35
5850-14484	00000/0000	1-10062/0026	08/16/77	50	5796	3438N	09123W	40.3	102.0		GGG			25	36
5850-14490	00000/0000	1-10062/0027	08/16/77	10	5796	3313N	09150W	40.3	100.6		GGG			25	37
5850-14493	00000/0000	1-10062/0028	08/16/77	30	5796	3147N	09215W	40.3	99.2		GGG			25	38
5850-14495	00000/0000	1-10062/0029	08/16/77	50	5796	3021N	09239W	40.2	97.8		GGG			25	39
5850-14502	00000/0000	1-10062/0030	08/16/77	40	5796	2855N	09303W	40.1	96.5		GGG			25	40
5851-14542	00000/0000	1-10062/0096	08/17/77	90	5810	3439N	09250W	40.1	102.4		FGG			26	36
5851-14544	00000/0000	1-10062/0097	08/17/77	60	5810	3313N	09317W	40.1	101.0		GGG			26	37
5851-14551	00000/0000	1-10062/0098	08/17/77	10	5810	3147N	09342W	40.1	99.6		GGG			26	38
5851-14553	00000/0000	1-10062/0099	08/17/77	40	5810	3021N	09406W	40.1	98.2		GGG			26	39
5851-14560	00000/0000	1-10062/0100	08/17/77	50	5810	2854N	09430W	40.0	96.8		GGG			26	40
5851-14562	00000/0000	1-10062/0101	08/17/77	30	5810	2728N	09453W	39.9	95.5		GGG			26	41
5851-16330	00000/0000	1-10062/0107	08/17/77	0	5811	4851N	11333W	38.1	117.0		GGG			44	26
5851-16335	00000/0000	1-10062/0108	08/17/77	0	5811	4727N	11409W	38.5	115.5		GGG			44	27
5851-16341	00000/0000	1-10062/0109	08/17/77	10	5811	4603N	11444W	38.8	114.0		GFG			44	28
5851-16344	00000/0000	1-10062/0110	08/17/77	40	5811	4438N	11517W	39.0	112.6		GGG			44	29
5851-16350	00000/0000	1-10062/0111	08/17/77	60	5811	4313N	11549W	39.3	111.1		GGG			44	30
5851-16353	00000/0000	1-10062/0112	08/17/77	90	5811	4147N	11619W	39.5	109.7		GGG			44	31
5851-16355	00000/0000	1-10062/0113	08/17/77	100	5811	4021N	11649W	39.7	108.2		GGG			44	32
5851-16362	00000/0000	1-10062/0114	08/17/77	100	5811	3856N	11718W	39.8	106.8		GGG			44	33

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5851-16364	00000/0000	1-10062/0115	08/17/77	90	5811	3730N	11745W	39.9	105.3		GGG			44	34
5851-16371	00000/0000	1-10062/0116	08/17/77	90	5811	3604N	11813W	40.0	103.9		GGG			44	35
5851-16373	00000/0000	1-10062/0117	08/17/77	100	5811	3439N	11839W	40.1	102.5		GGG			44	36
5851-16380	00000/0000	1-10062/0118	08/17/77	100	5811	3313N	11905W	40.1	101.1		GGG			44	37
5852-14563	00000/0000	1-10062/0102	08/18/77	10	5824	4604N	09020W	38.5	114.3		GGG			27	28
5852-14570	00000/0000	1-10062/0103	08/18/77	0	5824	4439N	09053W	38.8	112.9		GGG			27	29
5852-14572	00000/0000	1-10062/0104	08/18/77	10	5824	4313N	09125W	39.1	111.4		FGG			27	30
5852-14575	00000/0000	1-10062/0105	08/18/77	10	5824	4148N	09155W	39.3	110.0		GGG			27	31
5852-14581	00000/0000	1-10062/0106	08/18/77	50	5824	4023N	09225W	39.5	108.5		GGG			27	32
5852-16390	00000/0000	1-10062/0331	08/18/77	10	5825	4853N	11500W	37.9	117.3		GGG			45	26
5852-16392	00000/0000	1-10062/0332	08/18/77	0	5825	4728N	11536W	38.2	115.8		GGG			45	27
5852-16395	00000/0000	1-10062/0333	08/18/77	10	5825	4603N	11609W	38.5	114.3		GGG			45	28
5853-15012	00000/0000	1-10062/0031	08/19/77	10	5838	4854N	09036W	37.7	117.6		GGP			28	26
5853-15015	00000/0000	1-10062/0032	08/19/77	20	5838	4728N	09111W	38.0	116.1		GGP			28	27
5853-15021	00000/0000	1-10062/0033	08/19/77	20	5838	4602N	09146W	38.3	114.6		FGP			28	28
5853-15024	00000/0000	1-10062/0034	08/19/77	60	5838	4437N	09219W	38.6	113.2		GGP			28	29
5853-15030	00000/0000	1-10062/0035	08/19/77	90	5838	4312N	09251W	38.9	111.7		GGP			28	30
5853-15033	00000/0000	1-10062/0036	08/19/77	60	5838	4148N	09322W	39.1	110.3		GGP			28	31
5853-15035	00000/0000	1-10062/0037	08/19/77	10	5838	4023N	09351W	39.3	108.9		GFP			28	32
5853-15042	00000/0000	1-10062/0038	08/19/77	70	5838	3857N	09420W	39.5	107.4		GGP			28	33
5853-15044	00000/0000	1-10062/0039	08/19/77	80	5838	3731N	09448W	39.6	106.0		GGP			28	34
5853-15051	00000/0000	1-10062/0040	08/19/77	100	5838	3604N	09515W	39.7	104.6		GGP			28	35
5853-15053	00000/0000	1-10062/0041	08/19/77	100	5838	3438N	09541W	39.8	103.2		GGP			28	36
5853-15060	00000/0000	1-10062/0042	08/19/77	70	5838	3313N	09607W	39.8	101.8		GGP			28	37
5853-15062	00000/0000	1-10062/0084	08/19/77	60	5838	3147N	09632W	39.8	100.4		GGG			28	38
5853-15065	00000/0000	1-10062/0085	08/19/77	50	5838	3021N	09656W	39.8	99.0		GGG			28	39
5853-15071	00000/0000	1-10062/0086	08/19/77	40	5838	2855N	09720W	39.8	97.7		FGG			28	40
5853-15074	00000/0000	1-10062/0087	08/19/77	20	5838	2728N	09743W	39.7	96.3		GGG			28	41
5853-15080	00000/0000	1-10062/0088	08/19/77	10	5838	2601N	09806W	39.6	95.0		GGG			28	42
5853-16450	00000/0000	1-10062/0334	08/19/77	10	5839	4728N	11701W	38.0	116.1		GGG			46	27
5853-16453	00000/0000	1-10062/0335	08/19/77	30	5839	4602N	11736W	38.3	114.6		GGG			46	28
5853-16455	00000/0000	1-10062/0336	08/19/77	10	5839	4437N	11810W	38.6	113.2		GGG			46	29
5854-13241	00000/0000	1-10062/0129	08/20/77	90	5851	4730N	06647W	37.8	116.4		GGG			11	27
5854-13243	00000/0000	1-10062/0130	08/20/77	80	5851	4605N	06722W	38.1	114.9		GGG			11	28
5854-13250	00000/0000	1-10062/0131	08/20/77	60	5851	4440N	06754W	38.4	113.5		GGG			11	29
5854-13252	00000/0000	1-10062/0132	08/20/77	10	5851	4314N	06826W	38.7	112.1		GGG			11	30

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5854-13255	00000/0000	1-10062/0133	08/20/77	10	5851	4148N	06858W	38.9	110.6		GFG			11	31
5854-13261	00000/0000	1-10062/0134	08/20/77	20	5851	4022N	06928W	39.1	109.2		GGG			11	32
5854-13264	00000/0000	1-10062/0135	08/20/77	60	5851	3856N	06957W	39.3	107.8		GGG			11	33
5854-15072	00000/0000	1-10062/0139	08/20/77	80	5852	4728N	09238W	37.8	116.4		GGG			29	27
5854-15075	00000/0000	1-10062/0140	08/20/77	60	5852	4603N	09312W	38.1	114.9		GGG			29	28
5854-15081	00000/0000	1-10062/0141	08/20/77	80	5852	4439N	09344W	38.4	113.5		GGG			29	29
5854-15084	00000/0000	1-10062/0142	08/20/77	90	5852	4314N	09415W	38.6	112.1		GGG			29	30
5854-16502	00000/0000	1-10062/0119	08/20/77	0	5853	4850N	11752W	37.4	117.9		GGG			47	26
5854-16504	00000/0000	1-10062/0120	08/20/77	0	5853	4725N	11828W	37.7	116.4		GGG			47	27
5854-16511	00000/0000	1-10062/0121	08/20/77	0	5853	4601N	11902W	38.1	114.9		GGG			47	28
5854-16513	00000/0000	1-10062/0122	08/20/77	30	5853	4437N	11936W	38.4	113.5		GGG			47	29
5854-16520	00000/0000	1-10062/0123	08/20/77	10	5853	4312N	12008W	38.6	112.1		GGG			47	30
5854-16522	00000/0000	1-10062/0124	08/20/77	20	5853	4147N	12038W	38.9	110.6		GGG			47	31
5854-16525	00000/0000	1-10062/0125	08/20/77	40	5853	4021N	12108W	39.1	109.2		GFG			47	32
5854-16531	00000/0000	1-10062/0126	08/20/77	10	5853	3855N	12137W	39.3	107.8		GGG			47	33
5854-16534	00000/0000	1-10062/0127	08/20/77	40	5853	3729N	12204W	39.4	106.4		GGG			47	34
5854-16540	00000/0000	1-10062/0128	08/20/77	80	5853	3602N	12231W	39.5	105.0		GGG			47	35
5855-15124	00000/0000	1-10062/0318	08/21/77	80	5866	4855N	09327W	37.2	118.1		GGG			30	26
5855-15130	00000/0000	1-10062/0319	08/21/77	60	5866	4729N	09404W	37.5	116.7		GGG			30	27
5855-15133	00000/0000	1-10062/0320	08/21/77	30	5866	4603N	09438W	37.8	115.2		GGG			30	28
5855-15135	00000/0000	1-10062/0321	08/21/77	30	5866	4437N	09511W	38.2	113.8		GGG			30	29
5855-15142	00000/0000	1-10062/0322	08/21/77	10	5866	4311N	09542W	38.4	112.4		GGG			30	30
5855-15144	00000/0000	1-10062/0323	08/21/77	10	5866	4146N	09612W	38.7	111.0		GGG			30	31
5855-15151	00000/0000	1-10062/0324	08/21/77	30	5866	4022N	09642W	38.9	109.5		GGG			30	32
5855-15153	00000/0000	1-10062/0325	08/21/77	50	5866	3857N	09712W	39.1	108.1		GGG			30	33
5855-16562	00000/0000	1-10062/0187	08/21/77	90	5867	4726N	11954W	37.5	116.7		GGG			48	27
5855-16564	00000/0000	1-10062/0194	08/21/77	60	5867	4601N	12028W	37.8	115.2		GG			48	28
5855-16571	00000/0000	1-10062/0188	08/21/77	40	5867	4436N	12101W	38.1	113.8		GGG			48	29
5855-16573	00000/0000	1-10062/0195	08/21/77	10	5867	4311N	12133W	38.4	112.4		GG			48	30
5855-16580	00000/0000	1-10062/0189	08/21/77	10	5867	4145N	12203W	38.7	111.0		GGG			48	31
5855-16582	00000/0000	1-10062/0190	08/21/77	10	5867	4020N	12233W	38.9	109.6		GGG			48	32
5855-16585	00000/0000	1-10062/0191	08/21/77	10	5867	3854N	12302W	39.1	108.1		GGG			48	33
5855-16591	00000/0000	1-10062/0192	08/21/77	20	5867	3728N	12330W	39.2	106.7		GGG			48	34
5855-16594	00000/0000	1-10062/0193	08/21/77	30	5867	3603N	12357W	39.3	105.3		GGG			48	35
5856-15184	00000/0000	1-10062/0242	08/22/77	10	5880	4730N	09527W	37.3	117.0		GGG			31	27
5856-15191	00000/0000	1-10062/0243	08/22/77	20	5880	4603N	09601W	37.6	115.5		GGG			31	28

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5856-15193	00000/0000	1-10062/0244	08/22/77	70	5880	4436N	09635W	37.9	114.1		GGG			31	29
5856-15200	00000/0000	1-10062/0245	08/22/77	60	5880	4310N	09708W	38.2	112.7		GFG			31	30
5856-15202	00000/0000	1-10062/0246	08/22/77	90	5880	4146N	09740W	38.5	111.3		GFG			31	31
5856-15205	00000/0000	1-10062/0247	08/22/77	70	5880	4022N	09810W	38.7	109.9		FGG			31	32
5856-15211	00000/0000	1-10062/0248	08/22/77	80	5880	3857N	09840W	38.9	108.5		GGG			31	33
5856-15214	00000/0000	1-10062/0249	08/22/77	50	5880	3730N	09907W	39.0	107.1		GGG			31	34
5856-15220	00000/0000	1-10062/0250	08/22/77	50	5880	3604N	09934W	39.2	105.7		GGG			31	35
5857-13424	00000/0000	1-10062/0305	08/23/77	20	5893	4148N	07318W	38.3	111.6		GGF			14	31
5857-13431	00000/0000	1-10062/0306	08/23/77	20	5893	4022N	07347W	38.5	110.2		GGG			14	32
5857-13433	00000/0000	1-10062/0307	08/23/77	50	5893	3856N	07416W	38.7	108.8		GGG			14	33
5857-13440	00000/0000	1-10062/0308	08/23/77	20	5893	3730N	07444W	38.9	107.4		GGF			14	34
5857-13442	00000/0000	1-10062/0309	08/23/77	10	5893	3605N	07511W	39.0	106.1		GGG			14	35
5857-13445	00000/0000	1-10062/0310	08/23/77	10	5893	3439N	07537W	39.1	104.7		GGG			14	36
5857-15235	00000/0000	1-10062/0089	08/23/77	50	5894	4853N	09622W	36.7	118.7		GGG			32	26
5857-15242	00000/0000	1-10062/0090	08/23/77	90	5894	4728N	09658W	37.0	117.3		GGG			32	27
5857-15244	00000/0000	1-10062/0091	08/23/77	90	5894	4602N	09732W	37.4	115.9		FGG			32	28
5857-15251	00000/0000	1-10062/0092	08/23/77	70	5894	4437N	09805W	37.7	114.4		GGG			32	29
5857-15253	00000/0000	1-10062/0093	08/23/77	80	5894	4312N	09837W	38.0	113.0		GGG			32	30
5857-15280	00000/0000	1-10062/0094	08/23/77	20	5894	3438N	10128W	39.1	104.7		GPG			32	36
5857-15283	00000/0000	1-10062/0095	08/23/77	0	5894	3313N	10153W	39.2	103.3		PP			32	37
5858-15302	00000/0000	1-10062/0052	08/24/77	40	5908	4602N	09900W	37.1	116.2		GGG			33	28
5858-15305	00000/0000	1-10062/0053	08/24/77	60	5908	4436N	09933W	37.5	114.8		GFG			33	29
5858-15311	00000/0000	1-10062/0054	08/24/77	70	5908	4310N	10004W	37.8	113.4		GGG			33	30
5858-15314	00000/0000	1-10062/0055	08/24/77	80	5908	4145N	10035W	38.0	112.0		GGG			33	31
5858-15320	00000/0000	1-10062/0056	08/24/77	80	5908	4019N	10104W	38.3	110.6		GGG			33	32
5858-15323	00000/0000	1-10062/0057	08/24/77	60	5908	3854N	10133W	38.5	109.2		GGG			33	33
5858-15325	00000/0000	1-10062/0058	08/24/77	10	5908	3729N	10201W	38.7	107.8		GGG			33	34
5859-13522	00000/0000	1-10062/0282	08/25/77	70	5921	4727N	07359W	36.6	117.9		GGG			16	27
5859-13524	00000/0000	1-10062/0283	08/25/77	40	5921	4603N	07433W	36.9	116.5		GGG			16	28
5859-13531	00000/0000	1-10062/0284	08/25/77	10	5921	4438N	07507W	37.3	115.1		GFG			16	29
5859-13533	00000/0000	1-10062/0285	08/25/77	10	5921	4314N	07540W	37.6	113.7		GGG			16	30
5859-13540	00000/0000	1-10062/0286	08/25/77	10	5921	4149N	07611W	37.8	112.3		GGG			16	31
5859-13542	00000/0000	1-10062/0287	08/25/77	0	5921	4022N	07640W	38.1	110.9		GGG			16	32
5859-13545	00000/0000	1-10062/0288	08/25/77	10	5921	3855N	07708W	38.3	109.5		GGF			16	33
5859-13551	00000/0000	1-10062/0289	08/25/77	10	5921	3727N	07735W	38.5	108.2		GGG			16	34
5859-13554	00000/0000	1-10062/0290	08/25/77	20	5921	3601N	07802W	38.7	106.8		GGG			16	35

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5859-13560	00000/0000	1-10062/0291	08/25/77	40	5921	3435N	07828W	38.8	105.4		GGG			16	36
5859-15374	00000/0000	1-10062/0143	08/25/77	10	5922	4021N	10228W	38.1	111.0		GGG			34	32
5859-15380	00000/0000	1-10062/0144	08/25/77	10	5922	3855N	10256W	38.3	109.6		GGG			34	33
5859-15383	00000/0000	1-10062/0145	08/25/77	0	5922	3731N	10324W	38.5	108.2		GGG			34	34
5859-15385	00000/0000	1-10062/0146	08/25/77	10	5922	3606N	10351W	38.6	106.9		GGG			34	35
5859-15392	00000/0000	1-10062/0147	08/25/77	10	5922	3441N	10418W	38.8	105.5		GGG			34	36
5859-15394	00000/0000	1-10062/0148	08/25/77	10	5922	3315N	10443W	38.9	104.2		GGG			34	37
5859-15401	00000/0000	1-10062/0149	08/25/77	10	5922	3149N	10508W	39.0	102.8		GGG			34	38
5859-15403	00000/0000	1-10062/0150	08/25/77	10	5922	3023N	10531W	39.0	101.5		GGG			34	39
5859-15410	00000/0000	1-10062/0151	08/25/77	10	5922	2857N	10554W	39.0	100.1		GGG			34	40
5860-13582	00000/0000	1-10062/0292	08/26/77	10	5935	4605N	07559W	36.7	116.8		GGG			17	28
5860-13585	00000/0000	1-10062/0293	08/26/77	30	5935	4440N	07632W	37.0	115.4		GGG			17	29
5860-13591	00000/0000	1-10062/0294	08/26/77	20	5935	4314N	07704W	37.3	114.1		GGG			17	30
5860-13594	00000/0000	1-10062/0295	08/26/77	40	5935	4148N	07734W	37.6	112.7		GGG			17	31
5860-14000	00000/0000	1-10062/0296	08/26/77	50	5935	4023N	07804W	37.9	111.3		GGG			17	32
5860-14003	00000/0000	1-10062/0297	08/26/77	60	5935	3857N	07833W	38.1	109.9		GGG			17	33
5860-14005	00000/0000	1-10062/0298	08/26/77	70	5935	3731N	07900W	38.3	108.6		GGG			17	34
5860-14012	00000/0000	1-10062/0299	08/26/77	50	5935	3606N	07927W	38.5	107.2		GGG			17	35
5860-14014	00000/0000	1-10062/0300	08/26/77	80	5935	3440N	07953W	38.6	105.9		GGG			17	36
5860-14021	00000/0000	1-10062/0301	08/26/77	70	5935	3314N	08018W	38.7	104.5		GGG			17	37
5860-14023	00000/0000	1-10062/0302	08/26/77	50	5935	3150N	08044W	38.8	103.2		GGG			17	38
5860-14030	00000/0000	1-10062/0303	08/26/77	40	5935	3023N	08109W	38.9	101.9		GGG			17	39
5860-14032	00000/0000	1-10062/0304	08/26/77	50	5935	2857N	08133W	38.9	100.5		GGG			17	40
5860-15405	00000/0000	1-10062/0690	08/26/77	90	5936	4854N	10036W	35.9	119.6		GGG			35	26
5860-15411	00000/0000	1-10062/0691	08/26/77	100	5936	4728N	10114W	36.3	118.2		GFG			35	27
5860-15414	00000/0000	1-10062/0692	08/26/77	80	5936	4603N	10149W	36.7	116.8		GGG			35	28
5860-15420	00000/0000	1-10062/0693	08/26/77	80	5936	4438N	10223W	37.0	115.4		GGG			35	29
5860-15423	00000/0000	1-10062/0694	08/26/77	70	5936	4313N	10255W	37.3	114.1		GGG			35	30
5860-15425	00000/0000	1-10062/0695	08/26/77	60	5936	4149N	10325W	37.6	112.7		GGG			35	31
5860-15432	00000/0000	1-10062/0696	08/26/77	10	5936	4023N	10354W	37.9	111.3		GGG			35	32
5860-15434	00000/0000	1-10062/0697	08/26/77	10	5936	3856N	10422W	38.1	110.0		GGG			35	33
5860-15441	00000/0000	1-10062/0698	08/26/77	10	5936	3729N	10450W	38.3	108.6		GGG			35	34
5861-14063	00000/0000	1-10062/0065	08/27/77	30	5949	3730N	08026W	38.1	108.9		GGG			18	34
5861-14065	00000/0000	1-10062/0066	08/27/77	90	5949	3603N	08053W	38.3	107.6		GGG			18	35
5861-14072	00000/0000	1-10062/0067	08/27/77	70	5949	3438N	08120W	38.5	106.3		GGG			18	36
5861-14074	00000/0000	1-10062/0068	08/27/77	60	5949	3312N	08145W	38.6	104.9		GGG			18	37

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5861-14081	00000/0000	1-10062/0069	08/27/77	50	5949	3147N	08210W	38.7	103.6		GGG			18	38
5861-14083	00000/0000	1-10062/0070	08/27/77	50	5949	3022N	08234W	38.7	102.3		GGG			18	39
5861-14090	00000/0000	1-10062/0071	08/27/77	30	5949	2857N	08258W	38.8	100.9		GGG			18	40
5861-15492	00000/0000	1-10062/0269	08/27/77	50	5950	3855N	10550W	37.9	110.3		GGG			36	33
5861-15494	00000/0000	1-10062/0270	08/27/77	50	5950	3729N	10617W	38.1	109.0		GGG			36	34
5861-15501	00000/0000	1-10062/0271	08/27/77	40	5950	3603N	10644W	38.3	107.6		GGG			36	35
5861-15503	00000/0000	1-10062/0272	08/27/77	40	5950	3437N	10710W	38.4	106.3		GGG			36	36
5861-15510	00000/0000	1-10062/0273	08/27/77	10	5950	3311N	10735W	38.6	104.9		FGG			36	37
5861-15512	00000/0000	1-10062/0274	08/27/77	30	5950	3145N	10800W	38.7	103.6		GGG			36	38
5861-15515	00000/0000	1-10062/0275	08/27/77	40	5950	3018N	10824W	38.7	102.3		GGG			36	39
5862-14100	00000/0000	1-10062/0072	08/28/77	30	5963	4438N	07923W	36.5	116.1		GGG			19	29
5862-14103	00000/0000	1-10062/0073	08/28/77	10	5963	4313N	07954W	36.9	114.7		GGG			19	30
5862-14105	00000/0000	1-10062/0074	08/28/77	10	5963	4147N	08024W	37.2	113.3		GGG			19	31
5862-14112	00000/0000	1-10062/0075	08/28/77	10	5963	4021N	08054W	37.5	112.0		GGG			19	32
5862-14114	00000/0000	1-10062/0076	08/28/77	10	5963	3856N	08124W	37.7	110.7		GGG			19	33
5862-14121	00000/0000	1-10062/0077	08/28/77	10	5963	3730N	08152W	37.9	109.3		GGG			19	34
5862-14123	00000/0000	1-10062/0078	08/28/77	50	5963	3604N	08219W	38.1	108.0		GGG			19	35
5862-14130	00000/0000	1-10062/0079	08/28/77	80	5963	3438N	08245W	38.3	106.6		GGG			19	36
5862-14132	00000/0000	1-10062/0080	08/28/77	90	5963	3313N	08311W	38.4	105.3		GGG			19	37
5862-14135	00000/0000	1-10062/0081	08/28/77	70	5963	3147N	08336W	38.5	104.0		GGG			19	38
5862-14141	00000/0000	1-10062/0082	08/28/77	60	5963	3021N	08401W	38.6	102.7		GGG			19	39
5862-14144	00000/0000	1-10062/0083	08/28/77	40	5963	2854N	08424W	38.6	101.4		GGG			19	40
5862-15520	00000/0000	1-10062/0152	08/28/77	10	5964	4855N	10330W	35.4	120.2		GGG			37	26
5862-15523	00000/0000	1-10062/0153	08/28/77	10	5964	4730N	10408W	35.8	118.8		GGG			37	27
5862-15525	00000/0000	1-10062/0154	08/28/77	10	5964	4606N	10443W	36.2	117.5		GGG			37	28
5862-15532	00000/0000	1-10062/0155	08/28/77	10	5964	4442N	10516W	36.5	116.1		GGG			37	29
5862-15534	00000/0000	1-10062/0156	08/28/77	10	5964	4317N	10548W	36.8	114.8		GGG			37	30
5862-15541	00000/0000	1-10062/0157	08/28/77	10	5964	4150N	10618W	37.2	113.4		GGG			37	31
5862-15543	00000/0000	1-10062/0158	08/28/77	50	5964	4023N	10648W	37.4	112.1		GGG			37	32
5862-15550	00000/0000	1-10062/0159	08/28/77	30	5964	3857N	10716W	37.7	110.7		GGG			37	33
5862-15552	00000/0000	1-10062/0160	08/28/77	10	5964	3731N	10743W	37.9	109.4		GGG			37	34
5862-15555	00000/0000	1-10062/0161	08/28/77	10	5964	3606N	10810W	38.1	108.0		GGG			37	35
5862-15561	00000/0000	1-10062/0162	08/28/77	10	5964	3441N	10837W	38.3	106.7		GGG			37	36
5862-15564	00000/0000	1-10062/0163	08/28/77	10	5964	3315N	10902W	38.4	105.4		GGG			37	37
5862-15570	00000/0000	1-10062/0164	08/28/77	10	5964	3150N	10927W	38.5	104.0		GGG			37	38
5862-15573	00000/0000	1-10062/0165	08/28/77	10	5964	3025N	10950W	38.6	102.7		GGG			37	39

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5863-14163	00000/0000	1-10062/0166	08/29/77	80	5977	4150N	08149W	36.9	113.7		GGG			20	31
5863-14165	00000/0000	1-10062/0167	08/29/77	60	5977	4022N	08219W	37.2	112.4		GGG			20	32
5863-14172	00000/0000	1-10062/0168	08/29/77	30	5977	3856N	08248W	37.5	111.1		GGG			20	33
5863-14174	00000/0000	1-10062/0169	08/29/77	10	5977	3730N	08316W	37.7	109.7		GGG			20	34
5863-14181	00000/0000	1-10062/0170	08/29/77	10	5977	3606N	08343W	37.9	108.4		GGG			20	35
5863-14183	00000/0000	1-10062/0171	08/29/77	10	5977	3441N	08409W	38.1	107.1		GGG			20	36
5863-16003	00000/0000	1-10062/0683	08/29/77	0	5978	3857N	10842W	37.5	111.1		GGG			38	33
5863-16010	00000/0000	1-10062/0684	08/29/77	0	5978	3730N	10910W	37.7	109.7		GGG			38	34
5863-16012	00000/0000	1-10062/0685	08/29/77	0	5978	3604N	10936W	37.9	108.4		GGG			38	35
5863-16015	00000/0000	1-10062/0686	08/29/77	10	5978	3438N	11003W	38.1	107.1		GGG			38	36
5863-16021	00000/0000	1-10062/0687	08/29/77	10	5978	3313N	11028W	38.2	105.8		GGG			38	37
5863-16024	00000/0000	1-10062/0688	08/29/77	0	5978	3148N	11052W	38.4	104.4		GGG			38	38
5863-16030	00000/0000	1-10062/0689	08/29/77	0	5978	3022N	11116W	38.4	103.1		GGG			38	39
5864-14203	00000/0000	1-10062/0172	08/30/77	40	5991	4730N	08109W	35.3	119.4		GGG			21	27
5864-14205	00000/0000	1-10062/0173	08/30/77	60	5991	4605N	08144W	35.7	118.1		GGG			21	28
5864-14212	00000/0000	1-10062/0174	08/30/77	40	5991	4440N	08218W	36.1	116.7		GGG			21	29
5864-14214	00000/0000	1-10062/0175	08/30/77	50	5991	4315N	08249W	36.4	115.4		GGG			21	30
5864-14221	00000/0000	1-10062/0176	08/30/77	40	5991	4149N	08319W	36.7	114.1		GGG			21	31
5864-14223	00000/0000	1-10062/0177	08/30/77	80	5991	4021N	08347W	37.0	112.8		GGG			21	32
5864-14230	00000/0000	1-10062/0178	08/30/77	90	5991	3854N	08416W	37.3	111.4		GGG			21	33
5864-14232	00000/0000	1-10062/0179	08/30/77	40	5991	3729N	08444W	37.5	110.1		GGG			21	34
5864-14235	00000/0000	1-10062/0180	08/30/77	10	5991	3605N	08511W	37.7	108.8		FGF			21	35
5864-16052	00000/0000	1-10062/0467	08/30/77	00	5992	4147N	10909W	36.7	114.1		GGG			39	31
5864-16055	00000/0000	1-10062/0468	08/30/77	10	5992	4021N	10939W	37.0	112.8		GGG			39	32
5864-16061	00000/0000	1-10062/0469	08/30/77	10	5992	3855N	11007W	37.3	111.4		GGG			39	33
5864-16064	00000/0000	1-10062/0470	08/30/77	20	5992	3729N	11035W	37.5	110.1		GGG			39	34
5864-16070	00000/0000	1-10062/0471	08/30/77	10	5992	3603N	11102W	37.7	108.8		GGG			39	35
5864-16073	00000/0000	1-10062/0472	08/30/77	10	5992	3438N	11129W	37.9	107.5		GGG			39	36
5864-16075	00000/0000	1-10062/0473	08/30/77	20	5992	3313N	11154W	38.1	106.2		GGG			39	37
5864-16082	00000/0000	1-10062/0474	08/30/77	10	5992	3147N	11219W	38.2	104.8		GGG			39	38
5864-16084	00000/0000	1-10062/0475	08/30/77	10	5992	3020N	11242W	38.3	103.5		GGF			39	39
5865-14283	00000/0000	1-10062/0337	08/31/77	0	6005	3854N	08543W	37.1	111.8		GGG			22	33
5865-14290	00000/0000	1-10062/0338	08/31/77	10	6005	3729N	08610W	37.3	110.5		GGG			22	34
5865-14292	00000/0000	1-10062/0339	08/31/77	10	6005	3603N	08637W	37.6	109.2		GGG			22	35
5865-14295	00000/0000	1-10062/0340	08/31/77	0	6005	3438N	08704W	37.7	107.9		GGG			22	36
5865-14301	00000/0000	1-10062/0341	08/31/77	0	6005	3313N	08730W	37.9	106.5		GGG			22	37

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5865-16085	00000/0000	1-10062/0429	08/31/77	90	6006	4856N	10747W	34.6	121.1		GGG			40	26
5865-16092	00000/0000	1-10062/0430	08/31/77	60	6006	4731N	10823W	35.0	119.8		GG			40	27
5865-16094	00000/0000	1-10062/0431	08/31/77	20	6006	4606N	10858W	35.4	118.5		GGG			40	28
5865-16101	00000/0000	1-10062/0432	08/31/77	10	6006	4440N	10931W	35.8	117.1		GGG			40	29
5865-16103	00000/0000	1-10062/0433	08/31/77	10	6006	4315N	11003W	36.1	115.8		GGG			40	30
5865-16110	00000/0000	1-10062/0434	08/31/77	10	6006	4149N	11034W	36.5	114.5		GGG			40	31
5865-16112	00000/0000	1-10062/0435	08/31/77	10	6006	4024N	11103W	36.8	113.2		GGG			40	32
5865-16115	00000/0000	1-10062/0436	08/31/77	10	6006	3857N	11131W	37.1	111.8		GGG			40	33
5865-16121	00000/0000	1-10062/0437	08/31/77	10	6006	3731N	11159W	37.3	110.5		GGG			40	34
5865-16124	00000/0000	1-10062/0438	08/31/77	10	6006	3605N	11226W	37.5	109.2		GGG			40	35
5865-16130	00000/0000	1-10062/0439	08/31/77	10	6006	3439N	11252W	37.7	107.9		GGG			40	36
5865-16133	00000/0000	1-10062/0440	08/31/77	0	6006	3314N	11318W	37.9	106.6		GGG			40	37
5865-16135	00000/0000	1-10062/0441	08/31/77	10	6006	3148N	11343W	38.0	105.3		GGG			40	38
5866-14335	00000/0000	1-10062/0634	09/01/77	60	6019	4027N	08641W	36.6	113.5		GGG			23	32
5866-14341	00000/0000	1-10062/0635	09/01/77	10	6019	3901N	08710W	36.9	112.2		GGG			23	33
5866-14344	00000/0000	1-10062/0636	09/01/77	10	6019	3735N	08738W	37.1	110.9		GGF			23	34
5866-14350	00000/0000	1-10062/0637	09/01/77	20	6019	3608N	08804W	37.4	109.6		GG			23	35
5866-16143	00000/0000	1-10062/0420	09/01/77	70	6020	4854N	10914W	34.3	121.4		GGG			41	26
5866-16150	00000/0000	1-10062/0421	09/01/77	60	6020	4729N	10949W	34.7	120.1		GGG			41	27
5866-16152	00000/0000	1-10062/0422	09/01/77	30	6020	4605N	11024W	35.2	118.8		GGG			41	28
5866-16155	00000/0000	1-10062/0423	09/01/77	10	6020	4440N	11057W	35.5	117.4		GGG			41	29
5866-16161	00000/0000	1-10062/0424	09/01/77	10	6020	4314N	11129W	35.9	116.1		GGG			41	30
5866-16164	00000/0000	1-10062/0425	09/01/77	10	6020	4149N	11200W	36.2	114.8		GGG			41	31
5866-16170	00000/0000	1-10062/0426	09/01/77	0	6020	4023N	11230W	36.6	113.5		GGG			41	32
5866-16191	00000/0000	1-10062/0428	09/01/77	10	6020	3314N	11445W	37.7	107.0		G			41	37
5866-16193	00000/0000	1-10062/0427	09/01/77	10	6020	3148N	11509W	37.9	105.7		GGG			41	38
5867-14392	00000/0000	1-10062/0181	09/02/77	70	6033	4026N	08808W	36.4	113.9		GGG			24	32
5867-14395	00000/0000	1-10062/0182	09/02/77	30	6033	3901N	08836W	36.7	112.6		FGF			24	33
5867-14401	00000/0000	1-10062/0183	09/02/77	10	6033	3734N	08904W	36.9	111.3		GGG			24	34
5867-14404	00000/0000	1-10062/0184	09/02/77	30	6033	3608N	08931W	37.2	110.0		GGG			24	35
5867-14410	00000/0000	1-10062/0185	09/02/77	10	6033	3441N	08957W	37.4	108.7		GFG			24	36
5867-14413	00000/0000	1-10062/0186	09/02/77	0	6033	3315N	09023W	37.6	107.4		GGG			24	37
5867-16201	00000/0000	1-10062/0408	09/02/77	20	6034	4854N	11041W	34.0	121.7		GGG			42	26
5867-16204	00000/0000	1-10062/0409	09/02/77	30	6034	4730N	11117W	34.5	120.4		GGG			42	27
5867-16210	00000/0000	1-10062/0410	09/02/77	40	6034	4606N	11152W	34.9	119.1		GGG			42	28
5867-16213	00000/0000	1-10062/0411	09/02/77	10	6034	4440N	11225W	35.3	117.8		GGG			42	29

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5867-16215	00000/00000	1-10062/04 12	09/02/77	0	6034	4315N	11257W	35.7	116.5		GGG			42	30
5867-16222	00000/00000	1-10062/04 13	09/02/77	0	6034	4150N	11328W	36.0	115.2		GGG			42	31
5867-16224	00000/00000	1-10062/04 14	09/02/77	0	6034	4024N	11358W	36.3	113.9		GGG			42	32
5867-16231	00000/00000	1-10062/04 15	09/02/77	0	6034	3857N	11425W	36.6	112.6		GGG			42	33
5867-16233	00000/00000	1-10062/04 16	09/02/77	10	6034	3730N	11453W	36.9	111.3		GGG			42	34
5867-16240	00000/00000	1-10062/04 17	09/02/77	30	6034	3603N	11519W	37.2	110.0		GGG			42	35
5867-16242	00000/00000	1-10062/04 18	09/02/77	70	6034	3437N	11546W	37.4	108.7		GGG			42	36
5867-16245	00000/00000	1-10062/04 19	09/02/77	30	6034	3311N	11611W	37.6	107.4		GGG			42	37
5868-14462	00000/00000	1-10062/03 76	09/03/77	10	6047	3607N	09051W	37.0	110.4		GGG			25	35
5868-14464	00000/00000	1-10062/03 77	09/03/77	10	6047	3440N	09118W	37.2	109.1		GGF			25	36
5868-14471	00000/00000	1-10062/03 79	09/03/77	0	6047	3312N	09146W	37.4	107.8		GG			25	37
5868-14473	00000/00000	1-10062/03 78	09/03/77	0	6047	3145N	09212W	37.6	106.5		GGG			25	38
5868-16255	00000/00000	1-10062/03 98	09/03/77	60	6048	4853N	11206W	33.8	122.0		GGG			43	26
5868-16261	00000/00000	1-10062/03 99	09/03/77	70	6048	4728N	11242W	34.2	120.7		GGG			43	27
5868-16264	00000/00000	1-10062/04 00	09/03/77	30	6048	4604N	11318W	34.6	119.4		GGG			43	28
5868-16270	00000/00000	1-10062/04 01	09/03/77	10	6048	4439N	11351W	35.1	118.1		GGG			43	29
5868-16273	00000/00000	1-10062/04 02	09/03/77	10	6048	4314N	11423W	35.4	116.8		GGG			43	30
5868-16275	00000/00000	1-10062/04 03	09/03/77	20	6048	4149N	11454W	35.8	115.5		GGG			43	31
5868-16282	00000/00000	1-10062/04 04	09/03/77	10	6048	4024N	11524W	36.1	114.2		GGG			43	32
5868-16284	00000/00000	1-10062/04 05	09/03/77	40	6048	3858N	11553W	36.4	113.0		GGG			43	33
5868-16291	00000/00000	1-10062/04 06	09/03/77	40	6048	3733N	11621W	36.7	111.7		GGG			43	34
5868-16293	00000/00000	1-10062/04 07	09/03/77	10	6048	3605N	11647W	37.0	110.4		GGG			43	35
5869-14502	00000/00000	1-10062/03 80	09/04/77	50	6061	4147N	09029W	35.6	115.9		GGG			26	31
5869-14504	00000/00000	1-10062/03 81	09/04/77	80	6061	4023N	09058W	35.9	114.6		GGG			26	32
5869-14511	00000/00000	1-10062/03 82	09/04/77	70	6061	3857N	09125W	36.2	113.3		GGG			26	33
5869-14513	00000/00000	1-10062/03 83	09/04/77	20	6061	3730N	09153W	36.5	112.0		GGG			26	34
5869-14520	00000/00000	1-10062/03 84	09/04/77	10	6061	3603N	09220W	36.8	110.8		GGG			26	35
5869-14522	00000/00000	1-10062/03 85	09/04/77	0	6061	3437N	09247W	37.0	109.5		GGF			26	36
5869-14525	00000/00000	1-10062/03 86	09/04/77	0	6061	3310N	09313W	37.2	108.2		FGG			26	37
5869-14531	00000/00000	1-10062/03 87	09/04/77	10	6061	3145N	09338W	37.4	106.9		GGG			26	38
5869-14534	00000/00000	1-10062/03 88	09/04/77	10	6061	3019N	09403W	37.6	105.7		FGG			26	39
5869-14540	00000/00000	1-10062/03 59	09/04/77	10	6061	2854N	09428W	37.7	104.4		GGG			26	40
5869-14543	00000/00000	1-10062/03 60	09/04/77	30	6061	2728N	09451W	37.8	103.1		GGG			26	41
5869-14545	00000/00000	1-10062/03 61	09/04/77	70	6061	2602N	09513W	37.8	101.9		GGG			26	42
5869-14552	00000/00000	1-10062/03 62	09/04/77	50	6061	2434N	09535W	37.9	100.6		GGG			26	43
5869-16324	00000/00000	1-10062/03 89	09/04/77	0	6062	4440N	11514W	34.8	118.5		G			44	29

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5869-16331	00000/0000	1-10062/0390	09/04/77	0	6062	4315N	11546W	35.2	117.3		FGG			44	30
5869-16333	00000/0000	1-10062/0391	09/04/77	0	6062	4149N	11617W	35.5	115.9		GGG			44	31
5869-16340	00000/0000	1-10062/0392	09/04/77	0	6062	4024N	11647W	35.9	114.6		GGG			44	32
5869-16342	00000/0000	1-10062/0393	09/04/77	0	6062	3858N	11717W	36.2	113.4		GGG			44	33
5869-16345	00000/0000	1-10062/0394	09/04/77	0	6062	3733N	11745W	36.5	112.1		GGG			44	34
5869-16351	00000/0000	1-10062/0395	09/04/77	0	6062	3607N	11811W	36.8	110.8		GGG			44	35
5869-16354	00000/0000	1-10062/0396	09/04/77	10	6062	3441N	11837W	37.0	109.5		GGG			44	36
5869-16360	00000/0000	1-10062/0397	09/04/77	90	6062	3314N	11902W	37.2	108.3		GGG			44	37
5870-14573	00000/0000	1-10062/0491	09/05/77	70	6075	3602N	09348W	36.6	111.2		GGG			27	35
5870-14580	00000/0000	1-10062/0492	09/05/77	60	6075	3436N	09414W	36.8	109.9		GGG			27	36
5870-14582	00000/0000	1-10062/0493	09/05/77	40	6075	3311N	09440W	37.0	108.6		GGG			27	37
5870-14585	00000/0000	1-10062/0494	09/05/77	30	6075	3146N	09505W	37.2	107.4		GGG			27	38
5870-14591	00000/0000	1-10062/0495	09/05/77	10	6075	3020N	09529W	37.4	106.1		GGG			27	39
5870-14594	00000/0000	1-10062/0496	09/05/77	10	6075	2855N	09553W	37.5	104.8		GGG			27	40
5870-15000	00000/0000	1-10062/0497	09/05/77	20	6075	2728N	09615W	37.6	103.6		GGG			27	41
5870-15003	00000/0000	1-10062/0498	09/05/77	10	6075	2601N	09637W	37.7	102.3		GFG			27	42
5870-15005	00000/0000	1-10062/0499	09/05/77	10	6075	2434N	09700W	37.8	101.1		FGG			27	43
5870-16370	00000/0000	1-10062/0699	09/05/77	60	6076	4856N	11457W	33.2	122.7		GGG			45	26
5870-16373	00000/0000	1-10062/0700	09/05/77	60	6076	4730N	11533W	33.7	121.4		GGG			45	27
5870-16375	00000/0000	1-10062/0701	09/05/77	60	6076	4605N	11607W	34.1	120.1		GGG			45	28
5870-16382	00000/0000	1-10062/0702	09/05/77	10	6076	4439N	11640W	34.5	118.8		GGG			45	29
5870-16384	00000/0000	1-10062/0703	09/05/77	0	6076	4314N	11712W	34.9	117.5		GGG			45	30
5870-16391	00000/0000	1-10062/0704	09/05/77	0	6076	4149N	11744W	35.3	116.3		GGG			45	31
5870-16393	00000/0000	1-10062/0705	09/05/77	10	6076	4023N	11814W	35.7	115.0		GGG			45	32
5870-16400	00000/0000	1-10062/0706	09/05/77	0	6076	3859N	11842W	36.0	113.7		GGG			45	33
5870-16402	00000/0000	1-10062/0707	09/05/77	0	6076	3733N	11910W	36.3	112.5		GGG			45	34
5870-16405	00000/0000	1-10062/0708	09/05/77	0	6076	3607N	11938W	36.6	111.2		GGG			45	35
5870-16411	00000/0000	1-10062/0709	09/05/77	40	6076	3441N	12004W	36.8	109.9		GGG			45	36
5870-16414	00000/0000	1-10062/0710	09/05/77	90	6076	3315N	12029W	37.0	108.7		GGG			45	37
5871-15034	00000/0000	1-10062/0196	09/06/77	90	6089	3437N	09540W	36.6	110.3		GGG			28	36
5871-15040	00000/0000	1-10062/0197	09/06/77	90	6089	3311N	09606W	36.9	109.0		GGG			28	37
5871-15043	00000/0000	1-10062/0198	09/06/77	40	6089	3146N	09630W	37.1	107.8		GGG			28	38
5871-15045	00000/0000	1-10062/0199	09/06/77	40	6089	3020N	09653W	37.2	106.5		GGG			28	39
5871-15052	00000/0000	1-10062/0200	09/06/77	80	6089	2853N	09718W	37.4	105.3		GGG			28	40
5871-15054	00000/0000	1-10062/0201	09/06/77	20	6089	2726N	09742W	37.5	104.0		GGG			28	41
5871-15061	00000/0000	1-10062/0202	09/06/77	0	6089	2559N	09805W	37.6	102.8		GGG			28	42

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

OBSERVATION ID	MICROFILM POSITION REV	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
5871-16424	00000/0000	1-10062/0203	09/06/77	10	6090	4855N	11623W	32.9	123.0		GGG			46	26
5871-16431	00000/0000	1-10062/0204	09/06/77	10	6090	4730N	11659W	33.4	121.7		GGG			46	27
5871-16433	00000/0000	1-10062/0205	09/06/77	10	6090	4606N	11735W	33.9	120.4		GGG			46	28
5871-16440	00000/0000	1-10062/0206	09/06/77	0	6090	4441N	11809W	34.3	119.1		GGG			46	29
5871-16442	00000/0000	1-10062/0207	09/06/77	0	6090	4316N	11840W	34.7	117.9		GGG			46	30
5871-16445	00000/0000	1-10062/0208	09/06/77	0	6090	4150N	11911W	35.1	116.6		GGG			46	31
5871-16451	00000/0000	1-10062/0209	09/06/77	0	6090	4023N	11940W	35.4	115.4		GGG			46	32
5871-16454	00000/0000	1-10062/0210	09/06/77	0	6090	3857N	12009W	35.8	114.1		GGG			46	33
5871-16460	00000/0000	1-10062/0211	09/06/77	0	6090	3730N	12037W	36.1	112.9		GGG			46	34
5871-16463	00000/0000	1-10062/0212	09/06/77	40	6090	3605N	12104W	36.4	111.6		GGG			46	35
5871-16465	00000/0000	1-10062/0213	09/06/77	90	6090	3439N	12130W	36.6	110.3		GGG			46	36
5872-15050	00000/0000	1-10062/0500	09/07/77	90	6103	4856N	09200W	32.7	123.2		GGG			29	26
5872-15053	00000/0000	1-10062/0516	09/07/77	20	6103	4731N	09237W	33.1	122.0		GG			29	27
5872-15055	00000/0000	1-10062/0501	09/07/77	90	6103	4606N	09311W	33.6	120.7		GGG			29	28
5872-15062	00000/0000	1-10062/0502	09/07/77	100	6103	4441N	09344W	34.0	119.5		FGG			29	29
5872-15064	00000/0000	1-10062/0503	09/07/77	90	6103	4315N	09415W	34.5	118.2		GGG			29	30
5872-15071	00000/0000	1-10062/0504	09/07/77	50	6103	4149N	09447W	34.8	117.0		GGG			29	31
5872-15073	00000/0000	1-10062/0505	09/07/77	30	6103	4023N	09516W	35.2	115.7		GGG			29	32
5872-15080	00000/0000	1-10062/0506	09/07/77	10	6103	3857N	09544W	35.6	114.5		GFG			29	33
5872-15082	00000/0000	1-10062/0507	09/07/77	10	6103	3732N	09612W	35.9	113.2		GGG			29	34
5872-15085	00000/0000	1-10062/0508	09/07/77	10	6103	3606N	09639W	36.2	112.0		GFG			29	35
5872-15091	00000/0000	1-10062/0509	09/07/77	30	6103	3441N	09705W	36.4	110.7		GGG			29	36
5872-15094	00000/0000	1-10062/0510	09/07/77	20	6103	3315N	09730W	36.7	109.5		GGG			29	37
5872-15100	00000/0000	1-10062/0511	09/07/77	10	6103	3149N	09755W	36.9	108.2		GGG			29	38
5872-15103	00000/0000	1-10062/0512	09/07/77	20	6103	3022N	09819W	37.1	107.0		GGG			29	39
5872-15105	00000/0000	1-10062/0513	09/07/77	60	6103	2856N	09843W	37.2	105.7		GGG			29	40
5872-15112	00000/0000	1-10062/0514	09/07/77	60	6103	2729N	09907W	37.4	104.5		GFG			29	41
5872-15114	00000/0000	1-10062/0515	09/07/77	20	6103	2603N	09929W	37.5	103.3		GGG			29	42
5872-16482	00000/0000	1-10062/0638	09/07/77	90	6104	4855N	11749W	32.6	123.3		GGG			47	26
5872-16484	00000/0000	1-10062/0639	09/07/77	30	6104	4730N	11826W	33.1	122.0		GGG			47	27
5872-16491	00000/0000	1-10062/0640	09/07/77	10	6104	4604N	11900W	33.6	120.7		GGG			47	28
5872-16493	00000/0000	1-10062/0641	09/07/77	10	6104	4438N	11933W	34.0	119.5		GGG			47	29
5872-16500	00000/0000	1-10062/0642	09/07/77	0	6104	4313N	12005W	34.4	118.2		GGG			47	30
5872-16502	00000/0000	1-10062/0643	09/07/77	0	6104	4148N	12035W	34.8	117.0		GGG			47	31
5872-16505	00000/0000	1-10062/0644	09/07/77	0	6104	4022N	12105W	35.2	115.7		GGG			47	32
5872-16511	00000/0000	1-10062/0645	09/07/77	0	6104	3856N	12134W	35.6	114.5		GGG			47	33

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5872-16514	00000/0000	1-10062/0646	09/07/77	10	6104	3731N	12202W	35.9	113.2		GGG			47	34
5872-16520	00000/0000	1-10062/0647	09/07/77	40	6104	3605N	12229W	36.2	112.0		GFG			47	35
5873-13275	00000/0000	1-10062/0586	09/08/77	10	6116	4728N	06815W	32.9	122.2		GGG			12	27
5873-13282	00000/0000	1-10062/0587	09/08/77	10	6116	4603N	06850W	33.4	121.0		FGG			12	28
5873-13284	00000/0000	1-10062/0588	09/08/77	10	6116	4438N	06923W	33.9	119.8		GGG			12	29
5873-13291	00000/0000	1-10062/0589	09/08/77	0	6116	4312N	06955W	34.2	118.5		FFF			12	30
5873-15122	00000/0000	1-10062/0624	09/08/77	10	6117	4314N	09543W	34.2	118.6		GGG			30	30
5873-15125	00000/0000	1-10062/0625	09/08/77	10	6117	4149N	09614W	34.6	117.3		GGG			30	31
5873-15131	00000/0000	1-10062/0626	09/08/77	0	6117	4023N	09643W	35.0	116.1		GGG			30	32
5873-15134	00000/0000	1-10062/0627	09/08/77	10	6117	3858N	09712W	35.3	114.9		GGG			30	33
5873-15140	00000/0000	1-10062/0628	09/08/77	10	6117	3732N	09740W	35.7	113.6		GGG			30	34
5873-15143	00000/0000	1-10062/0629	09/08/77	10	6117	3606N	09807W	36.0	112.4		GGG			30	35
5873-15145	00000/0000	1-10062/0630	09/08/77	10	6117	3440N	09834W	36.2	111.1		GGG			30	36
5873-15152	00000/0000	1-10062/0631	09/08/77	10	6117	3314N	09859W	36.5	109.9		GGG			30	37
5873-15154	00000/0000	1-10062/0632	09/08/77	10	6117	3148N	09922W	36.7	108.7		GGG			30	38
5873-15161	00000/0000	1-10062/0633	09/08/77	20	6117	3022N	09946W	36.9	107.4		GGG			30	39
5873-16540	00000/0000	1-10062/0570	09/08/77	10	6118	4853N	11917W	32.4	123.6		GGG			48	26
5873-16542	00000/0000	1-10062/0571	09/08/77	0	6118	4728N	11952W	32.9	122.3		GGG			48	27
5873-16545	00000/0000	1-10062/0572	09/08/77	0	6118	4604N	12027W	33.3	121.1		GGF			48	28
5873-16551	00000/0000	1-10062/0573	09/08/77	0	6118	4439N	12100W	33.8	119.8		GG			48	29
5873-16554	00000/0000	1-10062/0574	09/08/77	0	6118	4313N	12132W	34.2	118.6		GGF			48	30
5873-16560	00000/0000	1-10062/0575	09/08/77	0	6118	4147N	12203W	34.6	117.3		GGG			48	31
5873-16563	00000/0000	1-10062/0576	09/08/77	0	6118	4021N	12233W	35.0	116.1		GFG			48	32
5873-16565	00000/0000	1-10062/0577	09/08/77	10	6118	3856N	12302W	35.3	114.9		GGG			48	33
5873-16572	00000/0000	1-10062/0578	09/08/77	10	6118	3731N	12330W	35.7	113.6		GGF			48	34
5873-16574	00000/0000	1-10062/0579	09/08/77	10	6118	3605N	12358W	36.0	112.4		GGF			48	35
5874-13333	00000/0000	1-10062/0214	09/09/77	100	6130	4731N	06939W	32.6	122.6		GGG			13	27
5874-13335	00000/0000	1-10062/0215	09/09/77	90	6130	4606N	07014W	33.1	121.4		GGG			13	28
5874-13342	00000/0000	1-10062/0216	09/09/77	90	6130	4440N	07048W	33.5	120.1		GGG			13	29
5874-13344	00000/0000	1-10062/0217	09/09/77	70	6130	4315N	07119W	34.0	118.9		GGG			13	30
5874-13351	00000/0000	1-10062/0218	09/09/77	10	6130	4150N	07150W	34.4	117.7		GGG			13	31
5874-13353	00000/0000	1-10062/0219	09/09/77	10	6130	4024N	07220W	34.8	116.4		GGG			13	32
5874-13360	00000/0000	1-10062/0220	09/09/77	40	6130	3858N	07248W	35.1	115.2		GGG			13	33
5874-13362	00000/0000	1-10062/0221	09/09/77	90	6130	3731N	07316W	35.5	114.0		GGG			13	34
5874-15173	00000/0000	1-10062/0538	09/09/77	10	6131	4439N	09637W	33.5	120.1		GFG			31	29
5874-15180	00000/0000	1-10062/0539	09/09/77	0	6131	4314N	09709W	34.0	118.9		GGG			31	30

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 RBN NUMBER
5874-15182	00000/0000	1-10062/0540	09/09/77	0	6131	4148N	09740W	34.4	117.7		GGG			31	31
5874-15185	00000/0000	1-10062/0541	09/09/77	10	6131	4023N	09810W	34.8	116.5		GFG			31	32
5874-15191	00000/0000	1-10062/0542	09/09/77	10	6131	3857N	09838W	35.1	115.2		GGG			31	33
5874-15194	00000/0000	1-10062/0543	09/09/77	50	6131	3732N	09906W	35.5	114.0		GGG			31	34
5874-15200	00000/0000	1-10062/0544	09/09/77	90	6131	3606N	09933W	35.8	112.8		GGG			31	35
5874-15203	00000/0000	1-10062/0545	09/09/77	60	6131	3439N	09959W	36.1	111.5		GGG			31	36
5874-15205	00000/0000	1-10062/0546	09/09/77	10	6131	3313N	10025W	36.3	110.3		GGG			31	37
5874-15212	00000/0000	1-10062/0547	09/09/77	10	6131	3147N	10050W	36.5	109.1		GGG			31	38
5874-15214	00000/0000	1-10062/0548	09/09/77	10	6131	3022N	10115W	36.8	107.8		GGG			31	39
5874-15221	00000/0000	1-10062/0549	09/09/77	10	6131	2858N	10139W	36.9	106.6		FGG			31	40
5874-15223	00000/0000	1-10062/0550	09/09/77	10	6131	2731N	10201W	37.1	105.4		GGG			31	41
5874-16594	00000/0000	1-10062/0607	09/09/77	10	6132	4854N	12041W	32.1	123.8		GGG			49	26
5874-17000	00000/0000	1-10062/0608	09/09/77	10	6132	4729N	12117W	32.6	122.6		GGG			49	27
5874-17003	00000/0000	1-10062/0609	09/09/77	10	6132	4604N	12152W	33.1	121.4		GGG			49	28
5874-17005	00000/0000	1-10062/0610	09/09/77	10	6132	4438N	12225W	33.5	120.1		GGG			49	29
5874-17012	00000/0000	1-10062/0611	09/09/77	10	6132	4312N	12258W	33.9	118.9		GGG			49	30
5874-17014	00000/0000	1-10062/0612	09/09/77	10	6132	4146N	12329W	34.4	117.7		GGG			49	31
5874-17021	00000/0000	1-10062/0613	09/09/77	20	6132	4021N	12358W	34.7	116.5		GGG			49	32
5874-17023	00000/0000	1-10062/0614	09/09/77	30	6132	3856N	12427W	35.1	115.2		GGG			49	33
5875-15222	00000/0000	1-10062/0551	09/10/77	10	6145	4729N	09655W	32.3	122.9		FGG			32	27
5875-15225	00000/0000	1-10062/0552	09/10/77	10	6145	4604N	09729W	32.8	121.7		GGG			32	28
5875-15231	00000/0000	1-10062/0553	09/10/77	10	6145	4439N	09803W	33.3	120.5		GGG			32	29
5875-15234	00000/0000	1-10062/0554	09/10/77	0	6145	4314N	09835W	33.7	119.2		GGG			32	30
5875-15240	00000/0000	1-10062/0555	09/10/77	0	6145	4147N	09906W	34.1	118.0		GGG			32	31
5875-15243	00000/0000	1-10062/0556	09/10/77	0	6145	4021N	09936W	34.5	116.8		GGG			32	32
5875-15245	00000/0000	1-10062/0557	09/10/77	10	6145	3855N	10004W	34.9	115.6		GGG			32	33
5875-15252	00000/0000	1-10062/0558	09/10/77	10	6145	3730N	10032W	35.2	114.4		GGG			32	34
5875-15254	00000/0000	1-10062/0559	09/10/77	80	6145	3605N	10059W	35.6	113.2		GGG			32	35
5875-15261	00000/0000	1-10062/0560	09/10/77	90	6145	3440N	10125W	35.9	111.9		FGG			32	36
5875-15263	00000/0000	1-10062/0561	09/10/77	40	6145	3315N	10150W	36.1	110.7		GGG			32	37
5875-15270	00000/0000	1-10062/0562	09/10/77	0	6145	3149N	10214W	36.4	109.5		GGG			32	38
5875-15272	00000/0000	1-10062/0563	09/10/77	10	6145	3022N	10238W	36.6	108.3		GGG			32	39
5875-17054	00000/0000	1-10062/0580	09/10/77	20	6146	4731N	12243W	32.3	123.0		GGG			50	27
5875-17060	00000/0000	1-10062/0581	09/10/77	10	6146	4605N	12318W	32.8	121.7		GGG			50	28
5875-17063	00000/0000	1-10062/0582	09/10/77	20	6146	4439N	12351W	33.2	120.5		GGG			50	29
5875-17065	00000/0000	1-10062/0583	09/10/77	20	6146	4314N	12423W	33.7	119.3		GGG			50	30

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ ROLL 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
5875-17072	00000/0000	1-10062/0584	09/10/77	50	6146	4149N	12454W	34.1	118.1		GGF			50	31
5875-17074	00000/0000	1-10062/0585	09/10/77	80	6146	4024N	12523W	34.5	116.9		GGG			50	32
5876-13444	00000/0000	1-10062/0593	09/11/77	80	6158	4728N	07233W	32.1	123.2		GGG			15	27
5876-13451	00000/0000	1-10062/0594	09/11/77	70	6158	4603N	07306W	32.6	122.0		GGG			15	28
5876-13453	00000/0000	1-10062/0595	09/11/77	80	6158	4439N	07339W	33.0	120.8		FGG			15	29
5876-13460	00000/0000	1-10062/0596	09/11/77	70	6158	4314N	07411W	33.5	119.6		GGG			15	30
5876-13462	00000/0000	1-10062/0597	09/11/77	60	6158	4148N	07441W	33.9	118.4		GGG			15	31
5876-13465	00000/0000	1-10062/0598	09/11/77	40	6158	4022N	07511W	34.3	117.2		GGG			15	32
5876-13471	00000/0000	1-10062/0599	09/11/77	10	6158	3856N	07539W	34.7	116.0		GGF			15	33
5876-13474	00000/0000	1-10062/0600	09/11/77	10	6158	3730N	07606W	35.0	114.7		GGF			15	34
5876-13480	00000/0000	1-10062/0601	09/11/77	20	6158	3605N	07634W	35.4	113.5		GGF			15	35
5876-13483	00000/0000	1-10062/0602	09/11/77	20	6158	3439N	07700W	35.7	112.3		GGF			15	36
5876-13485	00000/0000	1-10062/0603	09/11/77	40	6158	3313N	07726W	36.0	111.1		GGF			15	37
5876-13492	00000/0000	1-10062/0604	09/11/77	50	6158	3146N	07752W	36.2	109.9		GGF			15	38
5876-13494	00000/0000	1-10062/0605	09/11/77	20	6158	3020N	07817W	36.4	108.7		GGP			15	39
5876-13501	00000/0000	1-10062/0606	09/11/77	10	6158	2855N	07841W	36.6	107.5		GGP			15	40
5876-15274	00000/0000	1-10062/0564	09/11/77	60	6159	4852N	09745W	31.5	124.4		GGG			33	26
5876-15280	00000/0000	1-10062/0565	09/11/77	30	6159	4727N	09821W	32.1	123.2		GGG			33	27
5876-15283	00000/0000	1-10062/0566	09/11/77	10	6159	4602N	09856W	32.5	122.0		FFF			33	28
5876-15285	00000/0000	1-10062/0567	09/11/77	40	6159	4437N	09929W	33.0	120.8		GGG			33	29
5876-15292	00000/0000	1-10062/0568	09/11/77	40	6159	4312N	10001W	33.5	119.6		GGG			33	30
5876-15294	00000/0000	1-10062/0569	09/11/77	60	6159	4147N	10031W	33.9	118.4		GGG			33	31
5877-13514	00000/0000	1-10062/0648	09/12/77	60	6172	4313N	07537W	33.2	119.9		PG			16	30
5877-13520	00000/0000	1-10062/0649	09/12/77	10	6172	4147N	07608W	33.7	118.7		GGG			16	31
5877-13523	00000/0000	1-10062/0650	09/12/77	10	6172	4021N	07637W	34.1	117.5		FFF			16	32
5877-13525	00000/0000	1-10062/0651	09/12/77	0	6172	3855N	07706W	34.5	116.3		GG			16	33
5877-13532	00000/0000	1-10062/0652	09/12/77	10	6172	3729N	07734W	34.8	115.1		GGF			16	34
5877-13534	00000/0000	1-10062/0653	09/12/77	10	6172	3603N	07801W	35.2	113.9		GGF			16	35
5877-13541	00000/0000	1-10062/0654	09/12/77	10	6172	3437N	07827W	35.5	112.7		GGF			16	36
5877-13543	00000/0000	1-10062/0655	09/12/77	30	6172	3311N	07852W	35.8	111.5		GG			16	37
5877-13550	00000/0000	1-10062/0656	09/12/77	50	6172	3145N	07917W	36.0	110.3		GG			16	38
5877-13552	00000/0000	1-10062/0657	09/12/77	40	6172	3019N	07941W	36.3	109.1		GGP			16	39
5877-13555	00000/0000	1-10062/0658	09/12/77	30	6172	2854N	08006W	36.5	107.9		GG			16	40
5877-13561	00000/0000	1-10062/0659	09/12/77	20	6172	2728N	08029W	36.7	106.7		GGG			16	41
5877-15331	00000/0000	1-10062/0517	09/12/77	40	6173	4856N	09909W	31.2	124.8		GGG			34	26
5877-15334	00000/0000	1-10062/0518	09/12/77	90	6173	4730N	09946W	31.8	123.6		GGG			34	27

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 RUN NUMBER
5877-15340	00000/0000	1-10062/0519	09/12/77	80	6173	4605N	10021W	32.3	122.4		GGG			34	28
5877-15343	00000/0000	1-10062/0520	09/12/77	80	6173	4440N	10054W	32.7	121.2		GGG			34	29
5877-15345	00000/0000	1-10062/0521	09/12/77	90	6173	4315N	10125W	33.2	120.0		GGG			34	30
5877-15352	00000/0000	1-10062/0522	09/12/77	90	6173	4149N	10156W	33.6	118.8		GGG			34	31
5877-15354	00000/0000	1-10062/0523	09/12/77	90	6173	4024N	10226W	34.0	117.6		FGG			34	32
5877-15361	00000/0000	1-10062/0524	09/12/77	90	6173	3858N	10254W	34.4	116.4		GGG			34	33
5877-15363	00000/0000	1-10062/0525	09/12/77	80	6173	3732N	10322W	34.8	115.2		GGG			34	34
5877-15370	00000/0000	1-10062/0526	09/12/77	40	6173	3606N	10348W	35.1	114.0		GGG			34	35
5877-15372	00000/0000	1-10062/0527	09/12/77	10	6173	3440N	10414W	35.5	112.8		FGG			34	36
5877-15375	00000/0000	1-10062/0528	09/12/77	20	6173	3314N	10439W	35.7	111.6		GGG			34	37
5877-15381	00000/0000	1-10062/0531	09/12/77	10	6173	3148N	10505W	36.0	110.4		GG			34	38
5877-15384	00000/0000	1-10062/0529	09/12/77	10	6173	3022N	10530W	36.3	109.2		GGG			34	39
5877-15390	00000/0000	1-10062/0530	09/12/77	20	6173	2856N	10554W	36.5	107.9		GGG			34	40
5877-17163	00000/0000	1-10062/0590	09/12/77	0	6174	4854N	12458W	31.2	124.8		FGG			52	26
5877-17165	00000/0000	1-10062/0591	09/12/77	10	6174	4729N	12535W	31.7	123.6		GGG			52	27
5877-17172	00000/0000	1-10062/0592	09/12/77	10	6174	4603N	12609W	32.2	122.4		GGG			52	28
5878-13580	00000/0000	1-10062/0660	09/13/77	80	6186	4022N	07802W	33.8	117.9		GF			17	32
5878-13583	00000/0000	1-10062/0661	09/13/77	60	6186	3856N	07830W	34.2	116.7		GG			17	33
5878-13585	00000/0000	1-10062/0662	09/13/77	40	6186	3731N	07858W	34.6	115.5		FGG			1.	34
5878-13592	00000/0000	1-10062/0663	09/13/77	10	6186	3606N	07925W	34.9	114.3		GFG			17	35
5878-13594	00000/0000	1-10062/0664	09/13/77	0	6186	3440N	07951W	35.3	113.2		GFG			17	36
5878-14001	00000/0000	1-10062/0665	09/13/77	10	6186	3314N	08017W	35.6	112.0		GGG			17	37
5878-14003	00000/0000	1-10062/0666	09/13/77	40	6186	3147N	08042W	35.8	110.8		FFF			17	38
5878-14010	00000/0000	1-10062/0667	09/13/77	50	6186	3021N	08107W	36.1	109.6		GFG			17	39
5878-14012	00000/0000	1-10062/0668	09/13/77	30	6186	2857N	08132W	36.3	108.3		GGG			17	40
5878-15385	00000/0000	1-10062/0669	09/13/77	10	6187	4854N	10036W	31.0	125.1		GGG			35	26
5878-15392	00000/0000	1-10062/0670	09/13/77	0	6187	4729N	10111W	31.5	123.9		GGG			35	27
5878-15394	00000/0000	1-10062/0681	09/13/77	0	6187	4603N	10146W	32.0	122.7		GG			35	28
5878-15401	00000/0000	1-10062/0682	09/13/77	0	6187	4437N	10220W	32.5	121.5		GG			35	29
5878-15403	00000/0000	1-10062/0671	09/13/77	0	6187	4312N	10252W	32.9	120.3		GGG			35	30
5878-15410	00000/0000	1-10062/0672	09/13/77	0	6187	4147N	10323W	33.4	119.1		GGG			35	31
5878-15412	00000/0000	1-10062/0673	09/13/77	10	6187	4022N	10352W	33.8	117.9		GGG			35	32
5878-15415	00000/0000	1-10062/0674	09/13/77	60	6187	3857N	10421W	34.2	116.7		FFF			35	33
5878-15421	00000/0000	1-10062/0675	09/13/77	70	6187	3732N	10448W	34.6	115.5		GGG			35	34
5878-15424	00000/0000	1-10062/0676	09/13/77	20	6187	3607N	10514W	34.9	114.4		GGG			35	35
5878-15430	00000/0000	1-10062/0677	09/13/77	20	6187	3442N	10540W	35.3	113.2		GGG			35	36

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

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
5878-15433	00000/0000	1-10062/0678	09/13/77	10	6187	3317N	10604W	35.6	112.0		GGG			35	37
5878-15435	00000/0000	1-10062/0679	09/13/77	10	6187	3149N	10629W	35.8	110.8		GGG			35	38
5878-15442	00000/0000	1-10062/0680	09/13/77	20	6187	3021N	10654W	36.1	109.6		GGG			35	39
5879-15443	00000/0000	1-10062/0222	09/14/77	0	6201	4855N	10205W	30.7	125.3		GGG			36	26
5879-15445	00000/0000	1-10062/0223	09/14/77	0	6201	4730N	10242W	31.2	124.2		GGG			36	27
5879-15452	00000/0000	1-10062/0224	09/14/77	0	6201	4605N	10315W	31.7	123.0		GGG			36	28
5879-15454	00000/0000	1-10062/0225	09/14/77	0	6201	4439N	10347W	32.2	121.8		GGG			36	29
5879-15461	00000/0000	1-10062/0226	09/14/77	0	6201	4312N	10418W	32.7	120.6		GGG			36	30
5879-15463	00000/0000	1-10062/0227	09/14/77	0	6201	4146N	10448W	33.1	119.4		GGG			36	31
5879-15470	00000/0000	1-10062/0228	09/14/77	0	6201	4020N	10518W	33.6	118.3		GGG			36	32
5879-15472	00000/0000	1-10062/0229	09/14/77	0	6201	3855N	10547W	34.0	117.1		GGG			36	33
5879-15475	00000/0000	1-10062/0230	09/14/77	10	6201	3730N	10616W	34.4	115.9		GGG			36	34
5879-15481	00000/0000	1-10062/0231	09/14/77	10	6201	3605N	10642W	34.7	114.7		GGG			36	35
5879-15484	00000/0000	1-10062/0232	09/14/77	10	6201	3440N	10707W	35.1	113.6		GGG			36	36
5879-15490	00000/0000	1-10062/0233	09/14/77	10	6201	3314N	10732W	35.4	112.4		GGG			36	37
5879-15493	00000/0000	1-10062/0234	09/14/77	0	6201	3148N	10758W	35.7	111.2		GGG			36	38
5879-15495	00000/0000	1-10062/0235	09/14/77	10	6201	3021N	10823W	35.9	110.0		GGG			36	39
5880-14065	00000/0000	1-10062/0236	09/15/77	80	6214	4853N	07740W	30.4	125.6		GGG			19	26
5880-14072	00000/0000	1-10062/0237	09/15/77	10	6214	4728N	07816W	30.9	124.4		GGG			19	27
5880-14074	00000/0000	1-10062/0238	09/15/77	30	6214	4603N	07851W	31.5	123.3		GGG			19	28
5880-14081	00000/0000	1-10062/0239	09/15/77	70	6214	4437N	07924W	32.0	122.1		GGG			19	29
5880-14083	00000/0000	1-10062/0240	09/15/77	90	6214	4312N	07956W	32.4	120.9		GGG			19	30
5880-14090	00000/0000	1-10062/0241	09/15/77	90	6214	4147N	08027W	32.9	119.8		GGG			19	31
5881-15554	00000/0000	1-10062/0737	09/16/77	90	6229	4854N	10454W	30.1	126.0		GFG			38	26
5881-15561	00000/0000	1-10062/0738	09/16/77	90	6229	4728N	10531W	30.6	124.8		GGG			38	27
5881-15572	00000/0000	1-10062/0739	09/16/77	10	6229	4312N	10711W	32.2	121.3		GGG			38	30
5881-15575	00000/0000	1-10062/0746	09/16/77	10	6229	4147N	10741W	32.6	120.2		GG			38	31
5881-15581	00000/0000	1-10062/0747	09/16/77	10	6229	4022N	10811W	33.1	119.0		GG			38	32
5881-15584	00000/0000	1-10062/0740	09/16/77	50	6229	3856N	10840W	33.5	117.9		GGG			38	33
5881-15590	00000/0000	1-10062/0748	09/16/77	80	6229	3730N	10908W	33.9	116.7		GG			38	34
5881-15593	00000/0000	1-10062/0741	09/16/77	80	6229	3605N	10935W	34.3	115.5		GGG			38	35
5881-15595	00000/0000	1-10062/0742	09/16/77	80	6229	3440N	11002W	34.6	114.4		GGG			38	36
5881-16002	00000/0000	1-10062/0743	09/16/77	60	6229	3315N	11028W	35.0	113.2		GGG			38	37
5881-16004	00000/0000	1-10062/0744	09/16/77	40	6229	3148N	11053W	35.3	112.0		GGG			38	38
5881-16011	00000/0000	1-10062/0745	09/16/77	50	6229	3021N	11117W	35.6	110.9		GGG			38	39
5884-16124	00000/0000	1-10062/0749	09/19/77	50	6271	4853N	10912W	29.2	126.9		GGG			41	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 09/01/77 TO 09/30/77

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
5884-16130	00000/0000	1-10062/0750	09/19/77	60	6271	4728N	10949W	29.8	125.7		GGG			41	27
5884-16133	00000/0000	1-10062/0751	09/19/77	50	6271	4603N	11023W	30.3	124.6		GGG			41	28
5884-16135	00000/0000	1-10062/0752	09/19/77	40	6271	4438N	11056W	30.8	123.5		GGG			41	29
5884-16142	00000/0000	1-10062/0753	09/19/77	50	6271	4313N	11128W	31.4	122.3		GGG			41	30
5884-16144	00000/0000	1-10062/0754	09/19/77	60	6271	4147N	11159W	31.9	121.2		GGG			41	31
5884-16151	00000/0000	1-10062/0755	09/19/77	90	6271	4022N	11228W	32.3	120.1		GGG			41	32
5884-16153	00000/0000	1-10062/0756	09/19/77	90	6271	3856N	11257W	32.8	119.0		GGG			41	33
5884-16160	00000/0000	1-10062/0757	09/19/77	80	6271	3730N	11325W	33.2	117.9		GGG			41	34
5884-16162	00000/0000	1-10062/0758	09/19/77	40	6271	3605N	11354W	33.6	116.7		GGG			41	35
5884-16165	00000/0000	1-10062/0759	09/19/77	10	6271	3440N	11420W	34.0	115.6		GGG			41	36
5884-16171	00000/0000	1-10062/0760	09/19/77	0	6271	3313N	11444W	34.4	114.4		GGG			41	37
5884-16174	00000/0000	1-10062/0761	09/19/77	0	6271	3146N	11508W	34.7	113.3		GGG			41	38
5888-14533	00000/0000	1-10062/0721	09/23/77	100	6326	4311N	09124W	30.3	123.6		GGG			27	30
5888-14540	00000/0000	1-10062/0722	09/23/77	100	6326	4146N	09155W	30.8	122.6		GGG			27	31
5888-14542	00000/0000	1-10062/0723	09/23/77	90	6326	4021N	09224W	31.3	121.5		GGG			27	32
5888-14545	00000/0000	1-10062/0724	09/23/77	90	6326	3855N	09251W	31.8	120.4		GGG			27	33
5888-14551	00000/0000	1-10062/0725	09/23/77	90	6326	3729N	09318W	32.3	119.3		GGG			27	34
5888-14554	00000/0000	1-10062/0726	09/23/77	100	6326	3603N	09345W	32.7	118.2		GGG			27	35
5888-14560	00000/0000	1-10062/0727	09/23/77	80	6326	3438N	09412W	33.2	117.1		GGG			27	36
5888-14563	00000/0000	1-10062/0728	09/23/77	40	6326	3312N	09439W	33.6	116.0		GGG			27	37
5888-14565	00000/0000	1-10062/0729	09/23/77	70	6326	3146N	09503W	33.9	114.9		GGG			27	38
5888-14572	00000/0000	1-10062/0730	09/23/77	60	6326	3020N	09527W	34.3	113.8		GGG			27	39
5888-14574	00000/0000	1-10062/0731	09/23/77	40	6326	2855N	09550W	34.6	112.7		GGG			27	40
5889-14593	00000/0000	1-10062/0711	09/24/77	10	6340	4149N	09[illegible]W	30.5	122.9		GGG			28	31
5889-15000	00000/0000	1-10062/0712	09/24/77	0	6340	4023N	09347W	31.1	121.9		GFG			28	32
5889-15002	00000/0000	1-10062/0713	09/24/77	0	6340	3858N	09415W	31.6	120.8		FGG			28	33
5889-15005	00000/0000	1-10062/0714	09/24/77	10	6340	3732N	09444W	32.0	119.7		GGG			28	34
5889-15011	00000/0000	1-10062/0715	09/24/77	60	6340	3606N	09512W	32.5	118.6		GGG			28	35
5889-15014	00000/0000	1-10062/0716	09/24/77	70	6340	3439N	09539W	32.9	117.5		GGG			28	36
5889-15020	00000/0000	1-10062/0717	09/24/77	50	6340	3314N	09605W	33.3	116.4		GGG			28	37

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

!FIN

LANDSAT 1
COORDINATE LISTING

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
06647W	4730N	[illegible]-13241	90	GGG	11	27	07540W	4314N	5859+13533	10	GGG	16	30
06722W	4605N	[illegible]-13243	80	GGG	11	28	07559W	4605N	5860+13582	10	GGG	17	88
06754W	4440N	5854-13250	60	GGG	11	29	07606W	3730N	5876+13474	10	GGF	15	34
06815W	4728N	5873-13275	10	GGG	12	27	07608W	4147N	5877+13520	10	GGG	16	31
06826W	4314N	5854-13252	10	GGG	11	30	07611W	4149N	5859+13540	10	GGG	16	31
06850W	4603N	5873-13282	10	FGG	12	28	07632W	4440N	5860-13585	30	GGG	17	89
06858W	4148N	5854-13255	10	GFG	11	31	07634W	3605N	5876+13480	20	GGF	15	35
06923W	4438N	5873-13284	10	GGG	12	29	07637W	4021N	5877-13523	10	FFF	16	32
06928W	4022N	5854-13261	20	GGG	11	32	07640W	4022N	5859-13542	0	GGG	16	32
06939W	4731N	5874-13333	100	GGG	13	27	07700W	3439N	5876-13483	20	GGF	15	36
06955W	4312N	5873-13291	0	FFF	12	30	07704W	4314N	5860+13591	20	GGG	17	30
06957W	3856N	5854-13264	60	GGG	11	33	07706W	3855N	5877+13525	0	GG	16	33
07014W	4606N	5874-13335	90	GGG	13	28	07708W	3855N	5859+13545	10	GGF	16	33
07048W	4440N	5874-13342	90	GGG	13	29	07726W	3313N	5876+13485	40	GGF	15	37
07119W	4315N	5874-13344	70	GGG	13	30	07734W	4148N	5860+13594	40	GGG	17	31
07150W	4150N	5874-13351	10	GGG	13	31	07734W	3729N	5877+13532	10	GGF	16	34
07220W	4024N	5874-13353	10	GGG	13	32	07735W	3727N	5859+13551	10	GGG	16	34
07233W	4728N	5876-13444	80	GGG	15	27	07740W	4853N	5880-14065	80	GGG	19	26
07248W	3858N	5874-13360	40	GGG	13	33	07752W	3146N	5876-13492	50	GGF	15	38
07306W	4603N	5876-13451	70	GGG	15	28	07801W	3603N	5877+13534	10	GGF	16	35
07316W	3731N	5874-13362	90	GGG	13	34	07802W	4022N	5878+13580	80	GF	17	32
07318W	4148N	5857-13424	20	GGF	14	31	07802W	3601N	5859-13554	20	GGG	16	35
07339W	4439N	5876-13453	80	FGG	15	29	07804W	4023N	5860-14000	50	GGG	17	32
07347W	4022N	5857-13431	20	GGG	14	32	07816W	4728N	5880+14072	10	GGG	19	27
07359W	4727N	5859-13522	70	GGG	16	27	07817W	3020N	5876+13494	20	GGP	15	39
07411W	4314N	5876-13460	70	GGG	15	30	07827W	3437N	5877+13541	10	GGF	16	36
07416W	3856N	5857-13433	50	GGG	14	33	07828W	3435N	5859+13560	40	GGG	16	36
07433W	4603N	5859-13524	40	GGG	16	28	07830W	3856N	5878+13583	60	GG	17	33
07441W	4148N	5876-13462	60	GGG	15	31	07833W	3857N	5860+14003	60	GGG	17	33
07444W	3730N	5857-13440	20	GGF	14	34	07841W	2855N	5876-13501	10	GGP	15	40
07507W	4438N	5859-13531	10	GFG	16	29	07851W	4603N	5880-14074	30	GGG	19	28
07511W	4022N	5876-13465	40	GGG	15	32	07852W	3311N	5877+13543	30	GG	16	37
07511W	3605N	5857-13442	10	GGG	14	35	07858W	3731N	5878+13585	40	FGG	17	34
07537W	4313N	5877-13514	60	PG	16	30	07900W	3731N	5860+14005	70	GGG	17	34
07537W	3439N	5857-13445	10	GGG	14	36	07917W	3145N	5877+13550	50	GG	16	38
07539W	3856N	5876-13471	10	GGF	15	33	07923W	4438N	5862+14100	30	GGG	19	29

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 09/01/77 TO 09/30/77

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
07924W	4437N	5880-14081	70	GGG	19	29	08248W	3856N	5863+14172	30	GGG	20	33
07925W	3606N	5878-13592	10	GFG	17	35	08249W	4315N	5864+14214	50	GGG	21	30
07927W	3606N	5860-14012	50	GGG	17	35	08258W	2857N	5861-14090	30	GGG	18	40
07941W	3019N	5877-13552	40	GGP	16	39	08311W	3313N	5862+14132	90	GGG	19	37
07951W	3440N	5878-13594	0	GFG	17	36	08316W	3730N	5863+14174	10	GGG	20	34
07953W	3440N	5860-14014	80	GGG	17	36	08319W	4149N	5864+14221	40	GGG	21	31
07954W	4313N	5862-14103	10	GGG	19	30	08336W	3147N	5862+14135	70	GGG	19	38
07956W	4312N	5880-14083	90	GGG	19	30	08343W	3606N	5863+14181	10	GGG	20	35
08006W	2854N	5877-13555	30	GG	16	40	08347W	4021N	5864+14223	80	GGG	21	32
08017W	3314N	5878-14001	10	GGG	17	37	08401W	3021N	5862+14141	60	GGG	19	39
08018W	3315N	5860-14021	70	GGG	17	37	08409W	3441N	5863+14183	10	GGG	20	36
08024W	4147N	5862-14105	10	GGG	19	31	08416W	3854N	5864+14230	90	GGG	21	33
08026W	3730N	5861-14063	30	GGG	18	34	08424W	2854N	5862+14144	40	GGG	19	40
08027W	4147N	5880-14090	90	GGG	19	31	08444W	3729N	5864+14232	40	GGG	21	34
08029W	2728N	5877-13561	20	GGG	16	41	08511W	3605N	5864+14235	10	FGF	21	35
08042W	3147N	5878-14003	40	FFF	17	38	08543W	3854N	5865+14283	0	GGG	22	33
08044W	3150N	5860-14023	50	GGG	17	38	08610W	3729N	5865+14290	10	GGG	22	34
08053W	3603N	5861-14065	90	GGG	18	35	08637W	3603N	5865+14292	10	GGG	22	35
08054W	4021N	5862-14112	10	GGG	19	32	08641W	4027N	5866+14335	60	GGG	23	32
08107W	3021N	5878-14010	50	GFG	17	39	08704W	3438N	5865+14295	0	GGG	22	36
08109W	4730N	5864-14203	40	GGG	21	27	08710W	3901N	5866+14341	10	GGG	23	33
08109W	3023N	5860-14030	40	GGG	17	39	08730W	3313N	5865+14301	0	GGG	22	37
08120W	3438N	5861-14072	70	GGG	18	36	08738W	3735N	5866+14344	10	GGF	23	34
08124W	3856N	5862-14114	10	GGG	19	33	08804W	3608N	5866+14350	20	GG	23	35
08132W	2857N	5878-14012	30	GGG	17	40	08808W	4026N	5867+14392	70	GGG	24	32
08133W	2857N	5860-14032	50	GGG	17	40	08836W	3901N	5867+14395	30	FGF	24	33
08144W	4605N	5864-14205	60	GGG	21	28	08904W	3734N	5867+14401	10	GGG	24	34
08145W	3312N	5861-14074	60	GGG	18	37	08931W	3608N	5867+14404	30	GGG	24	35
08149W	4150N	5863-14163	80	GGG	20	31	08957W	3441N	5867+14410	10	GFG	24	36
08152W	3730N	5862-14121	10	GGG	19	34	09000W	3855N	5850+14472	80	FGG	25	33
08210W	3147N	5861-14081	50	GGG	18	38	09020W	4604N	5852-14563	10	GGG	27	28
08218W	4440N	5864-14212	40	GGG	21	29	09023W	3315N	5867+14413	0	GGG	24	37
08219W	4022N	5863-14165	60	GGG	20	32	09028W	3729N	5850+14475	70	GGG	25	34
08219W	3604N	5862-14123	50	GGG	19	35	09029W	4147N	5869+14502	50	GGG	26	31
08234W	3022N	5861-14083	50	GGG	18	39	09036W	4854N	5853-15012	10	GGP	28	26
08245W	3438N	5862-14130	80	GGG	19	36	09051W	3607N	5868+14462	10	GGG	25	35

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 09/01/77 TO 09/30/77

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
09053W	4439N	5852-14570	0	GGG	27	29	09322W	4148N	5853-15033	60	GGP	28	31
09055W	3603N	5850-14481	70	GGG	25	35	09327W	4855N	5855-15124	80	GGG	30	26
09058W	4023N	5869-14504	80	GGG	26	32	09338W	3145N	5869-14531	10	GGG	26	38
09111W	4728N	5853-15015	20	GGP	28	27	09342W	3147N	5851-14551	10	GGG	26	38
09118W	3440N	5868-14464	10	GGF	25	36	09344W	4441N	5872-15062	100	FGG	29	29
09123W	3438N	5850-14484	50	GGG	25	36	09344W	4439N	5854-15081	80	GGG	29	29
09124W	4311N	5888-14533	100	GGG	27	30	09345N	3603N	5888-14554	100	GGG	27	35
09125W	4313N	5852-14572	10	FGG	27	30	09347W	4023N	5889-15000	0	GFG	28	32
09125W	3857N	5869-14511	70	GGG	26	33	09348W	3602N	5870-14573	70	GGG	27	35
09146W	4602N	5853-15021	20	FGP	28	28	09351W	4023N	5853-15035	10	GFP	28	32
09146W	3312N	5868-14471	0	GG	25	37	09403W	3019N	5869-14534	10	FGG	26	39
09150W	3313N	5850-14490	10	GGG	25	37	09404W	4729N	5855-15130	60	GGG	30	27
09153W	3730N	5869-14513	20	GGG	26	34	09406W	3021N	5851-14553	40	GGG	26	39
09155W	4148N	5852-14575	10	GGG	27	31	09412W	3438N	5888-14560	80	GGG	27	36
09155W	4146N	5888-14540	100	GGG	27	31	09414W	3436N	5870-14580	60	GGG	27	36
09201W	4856N	5872-15050	90	GGG	29	26	09415W	4315N	5872-15064	90	GGG	29	30
09212W	3145N	5868-14473	0	GGG	25	38	09415W	4314N	5854-15084	90	GGG	29	30
09215W	3147N	5850-14493	30	GGG	25	38	09415W	3858N	5889-15002	0	FGG	28	33
09219W	4437N	5853-15024	60	GGP	28	29	09420W	3857N	5853-15042	70	GGP	28	33
09220W	3603N	5869-14520	10	GGG	26	35	09428W	2854N	5869-14540	10	GGG	26	40
09224W	4021N	5888-14542	90	GGG	27	32	09430W	2854N	5851-14560	50	GGG	26	40
09225W	4023N	5852-14581	50	GGG	27	32	09438W	4603N	5855-15133	30	GGG	30	28
09237W	4731N	5872-15053	20	GG	29	27	09439W	3312N	5888-14563	40	GGG	27	37
09238W	4728N	5854-15072	80	GGG	29	27	09440W	3311N	5870-14582	40	GGG	27	37
09239W	3021N	5850-14495	50	GGG	25	39	09444W	3732N	5889-15005	10	GGG	28	34
09247W	3437N	5869-14522	0	GGF	26	36	09447W	4149N	5872-15071	50	GGG	29	31
09250W	3439N	5851-14542	90	FGG	26	36	09448W	3731N	5853-15044	80	GGP	28	34
09251W	4312N	5853-15030	90	GGP	28	30	09451W	2728N	5869-14543	30	GGG	26	41
09251W	3855N	5888-14545	90	GGG	27	33	09453W	2728N	5851-14562	30	GGG	26	41
09303W	2855N	5850-14502	40	GGG	25	40	09503W	3146N	5888-14565	70	GGG	27	38
09311W	4606N	5872-15055	90	GGG	29	28	09505W	3146N	5870-14585	30	GGG	27	38
09312W	4603N	5854-15075	60	GGG	29	28	09511W	4437N	5855-15135	30	GGG	30	29
09313W	3310N	5869-14525	0	FGG	26	37	09512W	3606N	5889-15011	60	GGG	28	35
09317W	3313N	5851-14544	60	GGG	26	37	09513W	2602N	5869-14545	70	GGG	26	42
09318W	4149N	5889-14593	10	GGG	28	31	09515W	3604N	5853-15051	100	GGP	28	35
09318W	3729N	5888-14551	90	GGG	27	34	09516W	4023N	5872-15073	30	GGG	29	32

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 09/01/77 TO 09/30/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
09527W	4730N	5856-15184	10	GGG	31	27
09527W	3020N	5888-14572	60	GGG	27	39
09529W	3020N	5870-14591	10	GGG	27	39
09535W	2434N	5869-14552	50	GGG	26	43
09539W	3439N	5889-15014	70	GGG	28	36
09540W	3437N	5871-15034	90	GGG	28	36
09541W	3438N	5853-15053	100	GGP	28	36
09542W	4311N	5855-15142	10	GGG	30	30
09543W	4314N	5873-15122	10	GGG	30	30
09544W	3857N	5872-15080	10	GFG	29	33
09550W	2855N	5888-14574	40	GGG	27	40
09553W	2855N	5870-14594	10	GGG	27	40
09601W	4603N	5856-15191	20	GGG	31	28
09605W	3314N	5889-15020	50	GGG	28	37
09606W	3311N	5871-15040	90	GGG	28	37
09607W	3313N	5853-15060	70	GGP	28	37
09612W	4146N	5855-15144	10	GGG	30	31
09612W	3732N	5872-15082	10	GGG	29	34
09614W	4149N	5873-15125	10	GGG	30	31
09615W	2728N	5870-15000	20	GGG	27	41
09622W	4853N	5857-15235	50	GGG	32	26
09630W	3146N	5871-15043	40	GGG	28	38
09632W	3147N	5853-15062	60	GGG	28	38
09635W	4436N	5856-15193	70	GGG	31	29
09637W	4439N	5874-15173	10	GFG	31	29
09637W	2601N	5870-15003	10	GFG	27	42
09639W	3606N	5872-15085	10	GFG	29	35
09642W	4022N	5855-15151	30	GGG	30	32
09643W	4023N	5873-15131	0	GGG	30	32
09653W	3020N	5871-15045	40	GGG	28	39
09655W	4729N	5875-15222	10	FGG	32	27
09656W	3021N	5853-15065	50	GGG	28	39
09658W	4728N	5857-15242	90	GGG	32	27
09700W	2434N	5870-15005	10	FGG	27	43
09705W	3441N	5872-15091	30	GGG	29	36
09708W	4310N	5856-15200	60	GFG	31	30
09709W	4314N	5874-15180	0	GGG	31	30
09712W	3858N	5873-15134	10	GGG	30	33
09712W	3857N	5855-15153	50	GGG	30	33
09718W	2853N	5871-15052	80	GGG	28	40
09720W	2855N	5853-15071	40	FGG	28	40
09729W	4604N	5875-15225	10	GGG	32	28
09730W	3315N	5872-15094	20	GGG	29	37
09732W	4602N	5857-15244	90	FGG	32	28
09740W	4148N	5874-15182	0	GGG	31	31
09740W	4146N	5856-15202	90	GFG	31	31
09740W	3732N	5873-15140	10	GGG	30	34
09742W	2726N	5871-15054	20	GGG	28	41
09743W	2728N	5853-15074	20	GGG	28	41
09745W	4852N	5876-15274	60	GGG	33	26
09755W	3149N	5872-15100	10	GGG	29	35
09803W	4439N	5875-15231	10	GGG	32	29
09805W	4437N	5857-15251	70	GGG	32	29
09805W	2559N	5871-15061	0	GGG	28	42
09806W	2601N	5853-15080	10	GGG	28	42
09807W	3606N	5873-15143	10	GGG	30	35
09810W	4023N	5874-15185	10	GFG	31	32
09810W	4022N	5856-15205	70	FGG	31	32
09819W	3022N	5872-15103	20	GGG	29	39
09821W	4727N	5876-15280	30	GGG	33	27
09834W	3440N	5873-15145	10	GGG	30	36
09835W	4314N	5875-15234	0	GGG	32	30
09837W	4312N	5857-15253	80	GGG	32	30
09838W	3857N	5874-15191	10	GGG	31	33
09840W	3857N	5856-15211	80	GGG	31	33
09843W	2856N	5872-15105	60	GGG	29	40
09856W	4602N	5876-15283	10	FFF	33	28
09859W	3314N	5873-15152	10	GGG	30	37
09900W	4602N	5858-15302	40	GGG	33	28
09906W	4147N	5875-15240	0	GGG	32	31
09906W	3732N	5874-15194	50	GGG	31	34
09907W	3730N	5856-15214	50	GGG	31	34

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

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
09907W	2729N	5872-15112	60	GFG	29	41	10146W	4603N	5878-15394	0	GG	35	28
09909W	4856N	5877-15331	40	GGG	34	26	10149W	4603N	5860-15414	80	GGG	35	28
09922W	3148N	5873-15154	10	GGG	30	38	10150W	3315N	5875-15263	40	GGG	32	37
09929W	4437N	5876-15285	40	GGG	33	29	10151W	4601N	5842+15433	10	GGP	35	28
09929W	2603N	5872-15114	20	GGG	29	42	10153W	3313N	5857+15283	0	PP	32	37
09933W	4436N	5858-15305	60	GFG	33	29	10156W	4149N	5877+15352	90	GGG	34	31
09933W	3606N	5874-15200	90	GGG	31	35	10201W	3729N	5858-15325	10	GGG	33	34
09934W	3604N	5856-15220	50	GGG	31	35	10201W	2731N	5874+15223	10	GGG	31	41
09936W	4021N	5875-15243	0	GGG	32	32	10205W	4855N	5879-15443	0	GGG	36	26
09946W	4730N	5877-15334	90	GGG	34	27	10214W	3149N	5875-15270	0	GGG	32	38
09946W	3022N	5873-15161	20	GGG	30	39	10220W	4437N	5878+15401	0	GG	35	29
09959W	3439N	5874-15203	60	GGG	31	36	10223W	4438N	5860+15420	80	GGG	35	29
10001W	4312N	5876-15292	40	GGG	33	30	10224W	4436N	5842-15440	10	GGG	35	29
10004W	4310N	5858-15311	70	GGG	33	30	10226W	4024N	5877+15354	90	FGG	34	32
10004W	3855N	5875-15245	10	GGG	32	33	10228W	4021N	5859-15374	10	GGG	34	32
10021W	4605N	5877-15340	80	GGG	34	28	10238W	3022N	5875-15272	10	GGG	32	39
10025W	3313N	5874-15205	10	GGG	31	37	10242W	4730N	5879-15445	0	GGG	36	27
10031W	4147N	5876-15294	60	GGG	33	31	10252W	4312N	5878+15403	0	GGG	35	30
10032W	3730N	5875-15252	10	GGG	32	34	10254W	3858N	5877-15361	90	GGG	34	33
10035W	4145N	5858-15314	80	GGG	33	31	10255W	4313N	5860-15423	70	GGG	35	30
10036W	4854N	5878-15385	10	GGG	35	26	10256W	4311N	5842+15442	70	GGG	35	30
10038W	4854N	5860-15405	90	GGG	35	26	10256W	3855N	5859+15380	10	GGG	34	33
10040W	4851N	5842-15424	10	FGG	35	26	10315W	4605N	5879-15452	0	GGG	36	28
10050W	3147N	5874-15212	10	GGG	31	38	10322W	3732N	5877+15363	80	GGG	34	34
10054W	4440N	5877-15343	80	GGG	34	29	10323W	4147N	5878+15410	0	GGG	35	31
10059W	3605N	5875-15254	80	GGG	32	35	10324W	3731N	5859+15383	0	GGG	34	34
10104W	4019N	5858-15320	80	GGG	33	32	10325W	4149N	5860-15425	60	GGG	35	31
10111W	4729N	5878-15392	0	GGG	35	27	10326W	4146N	5842+15445	60	GGG	35	31
10114W	4728N	5860-15411	100	GFG	35	27	10330W	4855N	5862+15520	10	GGG	37	26
10115W	3022N	5874-15214	10	GGG	31	39	10347W	4439N	5879+15454	0	GGG	36	29
10116W	4726N	5842-15431	10	G G	35	27	10348W	3606N	5877-15370	40	GGG	34	35
10125W	4315N	5877-15345	90	GGG	34	30	10351W	3606N	5859+15385	10	GGG	34	35
10125W	3440N	5875-15261	90	FGG	32	36	10352W	4022N	5878+15412	10	GGG	35	32
10128W	3438N	5857-15280	20	GPG	32	36	10354W	4023N	5860+15432	10	GGG	35	32
10133W	3854N	5858-15323	60	GGG	33	33	10356W	4021N	5842+15451	10	GGG	35	32
10139W	2858N	5874-15221	10	FGG	31	40	10408W	4730N	5862+15523	10	GGG	37	27

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 09/01/77 TO 09/30/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
10414W	3440N	5877-15372	10	FGG	34	36
10418W	4312N	5879-15461	0	GGG	36	30
10418W	3441N	5859-15392	10	GGG	34	36
10421W	3857N	5878-15415	60	FFF	35	33
10422W	3856N	5860-15434	10	GGG	35	33
10425W	3855N	5842-15454	70	GGG	35	33
10439W	3314N	5877-15375	20	GGG	34	37
10443W	4606N	5862-15525	10	GGG	37	28
10443W	3315N	5859-15394	10	GGG	34	37
10448W	4146N	5879-15463	0	GGG	36	31
10448W	3732N	5878-15421	70	GGG	35	34
10450W	3729N	5860-15441	10	GGG	35	34
10453W	3729N	5842-15460	40	GGG	35	34
10454W	4854N	5881-15554	90	GFG	38	26
10505W	3148N	5877-15381	10	GG	34	38
10508W	3149N	5859-15401	10	GGG	34	38
10514W	3607N	5878-15424	20	GGG	35	35
10516W	4442N	5862-15532	10	GGG	37	29
10518W	4020N	5879-15470	0	GGG	36	32
10520W	3603N	5842-15463	10	GGG	35	35
10530W	3022N	5877-15384	10	GGG	34	39
10531W	4728N	5881-15561	90	GGG	38	27
10531W	3023N	5859-15403	10	GGG	34	39
10540W	3442N	5878-15430	20	GGG	35	36
10546W	3437N	5842-15465	0	GGG	35	36
10547W	3855N	5879-15472	0	GGG	36	33
10548W	4317N	5862-15534	10	GGG	37	30
10550W	3855N	5861-15492	50	GGG	36	33
10554W	2857N	5859-15410	10	GGG	34	40
10554W	2856N	5877-15390	20	GGG	34	40
10604W	3317N	5878-15433	10	GGG	35	37
10611W	3311N	5842-15472	10	GGG	35	37
10616W	3730N	5879-15475	10	GGG	36	34
10617W	3729N	5861-15494	50	GGG	36	34
10618W	4150N	5862-15541	10	GGG	37	31
10629W	3149N	5878-15435	10	GGG	35	38
10635W	3146N	5842-15474	0	GGG	35	38
10642W	3605N	5879-15481	10	GGG	36	35
10644W	3603N	5861-15501	40	GGG	36	35
10648W	4023N	5862-15543	50	GGG	37	32
10654W	3021N	5878-15442	20	GGG	35	39
10658W	3020N	5842-15481	0	GGG	35	39
10707W	3440N	5879-15484	10	GGG	36	36
10710W	3437N	5861-15503	40	GGG	36	36
10711W	4312N	5881-15572	10	GGG	38	30
10716W	3857N	5862-15550	30	GGG	37	33
10732W	3314N	5879-15490	10	GGG	36	37
10735W	3311N	5861-15510	10	FGG	36	37
10741W	4147N	5881-15575	10	GG	38	31
10743W	3731N	5862-15552	10	GGG	37	34
10747W	4856N	5865-16085	90	GGG	40	26
10758W	3148N	5879-15493	0	GGG	36	38
10800W	3145N	5861-15512	30	GGG	36	38
10810W	3606N	5862-15555	10	GGG	37	35
10811W	4022N	5881-15581	10	GG	38	32
10823W	4731N	5865-16092	60	GG	40	27
10823W	3021N	5879-15495	10	GGG	36	39
10824W	3018N	5861-15515	40	GGG	36	39
10837W	3441N	5862-15561	10	GGG	37	36
10840W	3856N	5881-15584	50	GGG	38	33
10842W	3857N	5863-16003	0	GGG	38	33
10858W	4606N	5865-16094	20	GGG	40	28
10902W	3315N	5862-15564	10	GGG	37	37
10908W	3730N	5881-15590	80	GG	38	34
10909W	4147N	5864-16052	10	GGG	39	31
10910W	3730N	5863-16010	0	GGG	38	34
10912W	4853N	5884-16124	50	GGG	41	26
10914W	4854N	5866-16143	70	GGG	41	26
10927W	3150N	5862-15570	10	GGG	37	33
10931W	4440N	5865-16101	10	GGG	40	29
10935W	3605N	5881-15593	80	GGG	38	35
10936W	3604N	5863-16012	0	GGG	38	35

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 09/01/77 TO 09/30/77

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
10939W	4021N	5864-16055	10	GGG	39	32	11226W	3605N	5865?16124	10	GGG	40	35
10949W	4729N	5866-16150	60	GGG	41	27	11228W	4022N	58W4?16151	90	GGG	41	32
10949W	4728N	5884-16130	60	GGG	41	27	11230W	4023N	5866-16170	0	GGG	41	32
10950W	3025N	5862-15573	10	GGG	37	39	11242W	4728N	5868?16261	70	GGG	43	27
11002W	3440N	5881-15595	80	GGG	38	36	11242W	3020N	5864?16084	10	GGF	39	39
11003W	4315N	5865-16103	10	GGG	40	30	11252W	3439N	5865?16130	10	GGG	40	34
11003W	3438N	5863-16015	10	GGG	38	36	11257W	4315N	5867?16215	0	GGG	42	30
11007W	3855N	5864-16061	10	GGG	39	33	11257W	3856N	5884?16153	90	GGG	41	33
11023W	4603N	5884-16133	50	GGG	41	28	11318W	4604N	5868?16264	30	GGG	43	28
11024W	4605N	5866-16152	30	GGG	41	28	11318W	3314N	5865?16133	0	GGG	40	37
11028W	3315N	5881-16002	60	GGG	38	37	11325W	3730N	5884?16160	80	GGG	41	34
11028W	3313N	5863-16021	10	GGG	38	37	11328W	4150N	5867?16222	0	GGG	42	31
11034W	4149N	5865-16110	10	GGG	40	31	11333W	4851N	5851?16332	0	GGG	44	26
11035W	3729N	5864-16064	20	GGG	39	34	11343W	3148N	5865?16135	10	GGG	40	35
11041W	4854N	5867-16201	20	GGG	42	26	11351W	4439N	5868?16270	10	GGG	43	29
11052W	3148N	5863-16024	0	GGG	38	38	11354W	3605N	5884?16162	40	GGG	41	35
11053W	3148N	5881-16004	40	GGG	38	38	11358W	4024N	5867?16224	0	GGG	42	32
11056W	4438N	5884-16135	40	GGG	41	29	11409W	4727N	5851?16335	0	GGG	44	27
11057W	4440N	5866-16155	10	GGG	41	29	11420W	3440N	5884?16165	10	GGG	41	36
11102W	3603N	5864-16070	10	GGG	39	35	11423W	4314N	5868?16273	10	GGG	43	30
11103W	4024N	5865-16112	10	GGG	40	32	11425W	3857N	5867?16231	0	GGG	42	33
11116W	3022N	5863-16030	0	GGG	38	39	11444W	4603N	5851?16341	10	GGF	44	28
11117W	4730N	5867-16204	30	GGG	42	27	11444W	3313N	5884?16171	0	GGG	41	37
11117W	3021N	5881-16011	50	GGG	38	39	11445W	3314N	5866?16191	10	G	41	37
11128W	4313N	5884-16142	50	GGG	41	30	11453W	3730N	5867?16233	10	GGG	42	34
11129W	4314N	5866-16161	10	GGG	41	30	11454W	4149N	5868?16275	20	GGG	43	31
11129W	3438N	5864-16073	10	GGG	39	36	11457W	4856N	5870?16370	60	GGG	45	26
11131W	3857N	5865-16115	10	GGG	40	33	11500W	4853N	5852?16390	10	GGG	45	26
11152W	4606N	5867-16210	40	GGG	42	28	11508W	3146N	5884?16174	0	GGG	41	38
11154W	3313N	5864-16075	20	GGG	39	37	11509W	3148N	5866?16193	10	GGG	41	38
11159W	4147N	5884-16144	60	GGG	41	31	11514W	4440N	5869?16324	0	G	44	29
11159W	3731N	5865-16121	10	GGG	40	34	11517W	4438N	5851?16344	40	GGG	44	29
11200W	4149N	5866-16164	10	GGG	41	31	11519W	3603N	5867?16240	30	GGG	42	35
11206W	4853N	5868-16255	60	GGG	43	26	11524W	4024N	5868?16282	10	GGG	43	32
11219W	3147N	5864-16082	10	GGG	39	38	11533W	4730N	5870?16373	60	GGG	45	27
11225W	4440N	5867-16213	10	GGG	42	29	11536W	4728N	5852?16392	0	GGG	45	27

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 09/01/77 TO 09/30/77

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
11546W	4315N	5869-16331	0	FGG	44	30	11840W	4316N	5871-16442	0	GGG	46	30
11546W	3437N	5867-16242	70	GGG	42	36	11842W	3859N	5870-16400	0	GGG	45	33
11549W	4313N	5851-16350	60	GGG	44	30	11900W	4604N	5872-16491	10	GGG	47	28
11553W	3858N	5868-16284	40	GGG	43	33	11902W	4601N	5854-16511	0	GGG	47	28
11607W	4605N	5870-16375	60	GGG	45	28	11902W	3314N	5869-16360	90	GGG	44	37
11609W	4603N	5852-16395	10	GGG	45	28	11905W	3313N	5851-16380	100	GGG	44	37
11611W	3311N	5867-16245	30	GGG	42	37	11910W	3733N	5870-16402	0	GGG	45	34
11617W	4149N	5869-16333	0	GGG	44	31	11911W	4150N	5871-16445	0	GGG	46	31
11619W	4147N	5851-16353	90	GGG	44	31	11917W	4853N	5873-16540	10	GGG	48	36
11621W	3733N	5868-16291	40	GGG	43	34	11933W	4438N	5872-16493	10	GGG	47	29
11623W	4855N	5871-16424	10	GGG	46	26	11936W	4437N	5854-16513	30	GGG	47	29
11640W	4439N	5870-16382	10	GGG	45	29	11938W	3657N	5870-16405	0	GGG	45	35
11647W	4024N	5869-16340	0	GGG	44	32	11940W	4023N	5871-16451	0	GGG	46	32
11647W	3605N	5868-16293	10	GGG	43	35	11952W	4728N	5873-16542	0	GGG	48	27
11649W	4021N	5851-16355	100	GGG	44	32	11954W	4726N	5855-16562	90	GGG	48	27
11659W	4730N	5871-16431	10	GGG	46	27	12004W	3441N	5870-16411	40	GGG	45	26
11701W	4728N	5853-16450	10	GGG	46	27	12005W	4313N	5872-16500	0	GGG	47	30
11712W	4314N	5870-16384	0	GGG	45	30	12008W	4312N	5854-16520	10	GGG	47	30
11717W	3858N	5869-16342	0	GGG	44	33	12009W	3857N	5871-16454	0	GGG	46	32
11718W	3856N	5851-16362	100	GGG	44	33	12027W	4604N	5873-16545	0	GGF	48	28
11735W	4606N	5871-16433	10	GGG	46	28	12028W	4601N	5855-16564	60	GG	48	28
11736W	4602N	5853-16453	30	GGG	46	28	12029W	3315N	5870-16431	90	GGG	45	37
11744W	4149N	5870-16391	0	GGG	45	31	12035W	4148N	5872-16502	0	GGG	47	31
11745W	3733N	5869-16345	0	GGG	44	34	12037W	3730N	5871-16460	0	GGG	46	34
11745W	3730N	5851-16364	90	GGG	44	34	12038W	4147N	5854-16522	20	GGG	47	31
11749W	4855N	5872-16482	90	GGG	47	26	12041W	4854N	5874-16594	10	GGG	49	26
11752W	4850N	5854-16502	0	GGG	47	26	12100W	4439N	5873-16551	0	GG	48	29
11809W	4441N	5871-16440	0	GGG	46	29	12101W	4436N	5855-16571	40	GGG	48	29
11810W	4437N	5853-16455	10	GGG	46	29	12104W	3605N	5871-16463	40	GGG	46	35
11811W	3607N	5869-16351	0	GGG	44	35	12105W	4022N	5872-16505	0	GGG	47	32
11813W	3604N	5851-16371	90	GGG	44	35	12108W	4021N	5854-16525	40	GFG	47	32
11814W	4023N	5870-16393	10	GGG	45	32	12117W	4729N	5874-17000	10	GGG	49	27
11826W	4730N	5872-16484	30	GGG	47	27	12130W	3439N	5871-16465	90	GGG	46	36
11828W	4725N	5854-16504	0	GGG	47	27	12132W	4313N	5873-16554	0	GGF	48	30
11837W	3441N	5869-16354	10	GGG	44	36	12133W	4311N	5855-16573	10	GG	48	30
11839W	3439N	5851-16373	100	GGG	44	36	12134W	3856N	5872-16511	0	GGG	47	33

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 09/01/77 TO 09/30/77

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
12137W	3855N	5854-16531	10	GGG	47	33	12318W	4605N	5875+17040	10	GGG	50	28
12152W	4604N	5874-17003	10	GGG	49	28	12329W	4146N	5874+17014	10	GGG	49	31
12202W	3731N	5872-16514	10	GGG	47	34	12330W	3731N	5873+16572	10	GGF	48	34
12203W	4147N	5873-16560	0	GGG	48	31	12330W	3728N	5855+16591	20	GGG	48	34
12203W	4145N	5855-16580	10	GGG	48	31	12351W	4439N	5875+17063	20	GGG	50	29
12204W	3729N	5854-16534	40	GGG	47	34	12357W	3603N	5855-16594	30	GGG	48	35
12225W	4438N	5874-17005	10	GGG	49	29	12358W	4021N	5874-17021	20	GGG	49	32
12229W	3605N	5872-16520	40	GFG	47	35	12358W	3605N	5873+16574	10	GGF	48	35
12231W	3602N	5854-16540	80	GGG	47	35	12423W	4314N	5875+17065	20	GGG	50	30
12233W	4021N	5873-16563	0	GFG	48	32	12427W	3856N	5874-17023	30	GGG	49	33
12233W	4020N	5855-16582	10	GGG	48	32	12454W	4149N	5875+17072	50	GGF	50	31
12243W	4731N	5875-17054	20	GGG	50	27	12458W	4854N	5877+17163	0	FGG	52	26
12258W	4312N	5874-17012	10	GGG	49	30	12523W	4024N	5875+17074	80	GGG	50	32
12302W	3856N	5873-16565	10	GGG	48	33	12535W	4729N	5877+17165	10	GGG	52	27
12302W	3854N	5855-16585	10	GGG	48	33	12609W	4603N	5877-17172	10	GGG	52	28

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

IFIN

SECTION 5
LANDSAT 2 COVERAGE

LANDSAT 2
OBSERVATION ID LISTING

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 AZIN.	IMAGE-QUAL RBV 123	IMAGE-QUAL MSS 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2935-17390	00000/0000	2-10034/0001	08/14/77	30	3038	4848N	11738W	45.6	129.3		GGGG			47	26
2935-17393	00000/0000	2-10034/0002	08/14/77	10	3038	4723N	11815W	46.2	127.6		FGGG			47	27
2935-17395	00000/0000	2-10034/0003	08/14/77	30	3038	4559N	11850W	46.8	125.8		GGGG			47	28
2935-17402	00000/0000	2-10034/0004	08/14/77	40	3038	4434N	11923W	47.4	124.0		GGGG			47	29
2935-17404	00000/0000	2-10034/0005	08/14/77	30	3038	4309N	11955W	47.9	122.3		GGGG			47	30
2935-17411	00000/0000	2-10034/0006	08/14/77	20	3038	4143N	12026W	48.3	120.4		GGGG			47	31
2935-17413	00000/0000	2-10034/0007	08/14/77	0	3038	4018N	12056W	48.8	118.6		GGGG			47	32
2935-17420	00000/0000	2-10034/0008	08/14/77	0	3038	3853N	12125W	49.2	116.8		GGGG			47	33
2935-17422	00000/0000	2-10034/0009	08/14/77	30	3038	3727N	12153W	49.6	114.9		GGGG			47	34
2935-17425	00000/0000	2-10034/0010	08/14/77	70	3038	3601N	12220W	49.9	113.0		GGGG			47	35
2935-17431	00000/0000	2-10034/0011	08/14/77	90	3038	3436N	12246W	50.2	111.1		GGGG			47	36
2940-14421	00000/0000	2-10034/0033	08/19/77	30	3106	4433N	07456W	46.2	125.6		GFGG			16	29
2940-14424	00000/0000	2-10034/0034	08/19/77	40	3106	4307N	07528W	46.8	123.9		GGGG			16	30
2940-14430	00000/0000	2-10034/0035	08/19/77	20	3106	4142N	07559W	47.3	122.2		GGGG			16	31
2940-14433	00000/0000	2-10034/0036	08/19/77	10	3106	4016N	07628W	47.8	120.4		GGGG			16	32
2940-14435	00000/0000	2-10034/0037	08/19/77	40	3106	3851N	07657W	48.2	118.6		GGGG			16	33
2940-14442	00000/0000	2-10034/0038	08/19/77	40	3106	3726N	07725W	48.6	116.8		GGGG			16	34
2940-14444	00000/0000	2-10034/0039	08/19/77	40	3106	3600N	07752W	49.0	115.0		GGGG			16	35
2940-14451	00000/0000	2-10034/0040	08/19/77	80	3106	3435N	07819W	49.3	113.2		FGGG			16	36
2940-14453	00000/0000	2-10034/0041	08/19/77	90	3106	3309N	07844W	49.6	111.3		FGGG			16	37
2940-14460	00000/0000	2-10034/0042	08/19/77	90	3106	3143N	07909W	49.9	109.4		FGGG			16	38
2940-14462	00000/0000	2-10034/0043	08/19/77	70	3106	3017N	07933W	50.1	107.6		FGGG			16	39
2940-14465	00000/0000	2-10034/0044	08/19/77	20	3106	2851N	07958W	50.2	105.7		FGGG			16	40
2940-14471	00000/0000	2-10034/0045	08/19/77	20	3106	2726N	08021W	50.4	103.8		GGGG			16	41
2940-14474	00000/0000	2-10034/0046	08/19/77	20	3106	2559N	08044W	50.4	101.9		GGGG			16	42
2940-14480	00000/0000	2-10034/0047	08/19/77	10	3106	2432N	08107W	50.5	100.0		GGGG			16	43
2941-14482	00000/0000	2-10034/0048	08/20/77	50	3120	4306N	07655W	46.6	124.2		GGGG			17	30
2941-14484	00000/0000	2-10034/0049	08/20/77	20	3120	4141N	07725W	47.1	122.5		GGGG			17	31
2941-14491	00000/0000	2-10034/0050	08/20/77	30	3120	4015N	07756W	47.6	120.8		GGGG			17	32
2941-14493	00000/0000	2-10034/0051	08/20/77	20	3120	3850N	07825W	48.0	119.0		GGGG			17	33
2941-14511	00000/0000	2-10034/0052	08/20/77	70	3120	3309N	08011W	49.5	111.7		GGGF			17	37
2941-14514	00000/0000	2-10034/0053	08/20/77	80	3120	3143N	08036W	49.7	109.9		GGGG			17	38
2941-14520	00000/0000	2-10034/0054	08/20/77	90	3120	3017N	08101W	49.9	108.0		GGGG			17	39
2941-14523	00000/0000	2-10034/0055	08/20/77	80	3120	2850N	08125W	50.1	106.1		FGGG			17	40
2942-14533	00000/0000	2-10034/0119	08/21/77	30	3134	4434N	07746W	45.7	126.3		GGGG			18	29
2942-14540	00000/0000	2-10034/0120	08/21/77	70	3134	4309N	07819W	46.3	124.6		GGGG			18	30

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

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
2942-14542	00000/0000	2-10034/0121	08/21/77	80	3134	4144N	07650W	46.8	122.9		GGGG			18	31
2942-14545	00000/0000	2-10034/0122	08/21/77	30	3134	4018N	07920W	47.3	121.2		GGGG			18	32
2942-14551	00000/0000	2-10034/0123	08/21/77	30	3134	3853N	07949W	47.8	119.4		GGGG			18	33
2942-14554	00000/0000	2-10034/0124	08/21/77	30	3134	3728N	08016W	48.2	117.7		GGGG			13	34
2942-14560	00000/0000	2-10034/0125	08/21/77	30	3134	3602N	08044W	48.6	115.9		GGGG			18	35
2942-14563	00000/0000	2-10034/0126	08/21/77	10	3134	3437N	08110W	49.0	114.1		GGGG			18	36
2942-14565	00000/0000	2-10034/0127	08/21/77	20	3134	3311N	08135W	49.3	112.2		GGGG			18	37
2942-14572	00000/0000	2-10034/0128	08/21/77	60	3134	3145N	08200W	49.6	110.4		GGGG			18	38
2942-14574	00000/0000	2-10034/0129	08/21/77	70	3134	3018N	08225W	49.8	108.5		GGGG			18	39
2942-14581	00000/0000	2-10034/0130	08/21/77	80	3134	2853N	08249W	50.0	106.7		GGGG			18	40
2943-14585	00000/0000	2-10034/0142	08/22/77	60	3148	4558N	07840W	44.9	128.3		FG			19	28
2943-14591	00000/0000	2-10034/0131	08/22/77	80	3148	4433N	07914W	45.5	126.6		GGFG			19	29
2943-14594	00000/0000	2-10034/0132	08/22/77	30	3148	4308N	07946W	46.1	125.0		GGGG			19	30
2943-15000	00000/0000	2-10034/0133	08/22/77	50	3148	4143N	08017W	46.6	123.3		GGGG			19	31
2943-15003	00000/0000	2-10034/0134	08/22/77	60	3148	4019N	08047W	47.1	121.6		GGGG			19	32
2943-15005	00000/0000	2-10034/0135	08/22/77	70	3148	3853N	08116W	47.6	119.8		GGGG			19	33
2943-15012	00000/0000	2-10034/0136	08/22/77	90	3148	3727N	08144W	48.0	118.1		GGGG			19	34
2943-15014	00000/0000	2-10034/0137	08/22/77	60	3148	3601N	08211W	48.4	116.3		GGGG			19	35
2943-15021	00000/0000	2-10034/0138	08/22/77	10	3148	3435N	08237W	48.8	114.5		GGFG			19	36
2943-15023	00000/0000	2-10034/0139	08/22/77	10	3148	3309N	08302W	49.1	112.7		GGFG			19	37
2943-15030	00000/0000	2-10034/014C	08/22/77	40	3148	3143N	08328W	49.4	110.8		GGGG			19	38
2943-15032	00000/0000	2-10034/0141	08/22/77	80	3148	3017N	08352W	49.7	109.0		GGFG			19	39
2943-16411	00000/0000	2-10034/0143	08/22/77	60	3149	4847N	10321W	43.6	131.5		FGGG			37	26
2943-16414	00000/0000	2-10034/0144	08/22/77	90	3149	4722N	10357W	44.2	129.9		GGGG			37	27
2943-16420	00000/0000	2-10034/0145	08/22/77	80	3149	4557N	10431W	44.9	128.3		GGFG			37	28
2943-16423	00000/0000	2-10034/0146	08/22/77	40	3149	4432N	10504W	45.5	126.6		GGGG			37	29
2943-16425	00000/0000	2-10034/0147	08/22/77	20	3149	4307N	10537W	46.1	125.0		GGGG			37	30
2943-16432	00000/0000	2-10034/0148	08/22/77	20	3149	4142N	10607W	46.6	123.3		GGGG			37	31
2943-16434	00000/0000	2-10034/0149	08/22/77	30	3149	4016N	10637W	47.1	121.6		GGGG			37	32
2943-16441	00000/0000	2-10034/0150	08/22/77	30	3149	3851N	10706W	47.6	119.8		GGGG			37	33
2943-16443	00000/0000	2-10034/0151	08/22/77	20	3149	3725N	10733W	48.0	118.1		GGGG			37	34
2943-16450	00000/0000	2-10034/0152	08/22/77	50	3149	3600N	10800W	48.4	116.3		GGGG			37	35
2943-16452	00000/0000	2-10034/0153	08/22/77	40	3149	3430N	10827W	48.8	114.5		GGGG			37	36
2943-16455	00000/0000	2-10034/0154	08/22/77	40	3149	3309N	10852W	49.1	112.7		GGGG			37	37
2943-16461	00000/0000	2-10034/0155	08/22/77	30	3149	3143N	10917W	49.4	110.9		GGGG			37	38
2943-16464	00000/0000	2-10034/0156	08/22/77	40	3149	3017N	10941W	49.6	109.0		GGGG			37	39

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME RUN NUMBER
2944-15043	00000/0000	2-10034/0092	08/23/77	40	3162	4557N	08006W	44.6	128.6		GGGG			20	28
2944-15045	00000/0000	2-10034/0093	08/23/77	40	3162	4432N	08039W	45.3	127.0		GGFG			20	29
2944-15052	00000/0000	2-10034/0094	08/23/77	90	3162	4307N	08112W	45.8	125.3		GGGG			20	30
2944-15054	00000/0000	2-10034/0095	08/23/77	90	3162	4142N	08144W	46.4	123.6		GGGG			20	31
2944-15061	00000/0000	2-10034/0096	08/23/77	80	3162	4017N	08213W	46.9	121.9		GGGG			20	32
2944-15063	00000/0000	2-10034/0097	08/23/77	60	3162	3851N	08242W	47.4	120.2		GGGG			20	33
2944-15070	00000/0000	2-10034/0098	08/23/77	60	3162	3725N	08309W	47.8	118.5		GGGG			20	34
2944-15072	00000/0000	2-10034/0099	08/23/77	60	3162	3600N	08336W	48.3	116.7		GGGG			20	35
2944-15075	00000/0000	2-10034/0100	08/23/77	30	3162	3434N	08402W	48.6	114.9		FGGG			20	36
2944-15081	00000/0000	2-10034/0101	08/23/77	20	3162	3308N	08427W	49.0	113.1		GFGG			20	37
2944-15084	00000/0000	2-10034/0102	08/23/77	30	3162	3142N	08452W	49.3	111.3		GGGG			20	38
2944-15090	00000/0000	2-10034/0103	08/23/77	70	3162	3016N	08517W	49.5	109.5		GGGG			20	39
2944-16465	00000/0000	2-10034/0157	08/23/77	90	3163	4849N	10445W	43.3	131.9		GGFG			38	26
2944-16472	00000/0000	2-10034/0158	08/23/77	90	3163	4724N	10521W	44.0	130.3		GGGG			38	27
2944-16474	00000/0000	2-10034/0159	08/23/77	20	3163	4559N	10556W	44.6	128.7		FFFF			38	28
2944-16481	00000/0000	2-10034/0160	08/23/77	10	3163	4435N	10629W	45.2	127.0		GGGG			38	29
2944-16483	00000/0000	2-10034/0161	08/23/77	10	3163	4309N	10701W	45.8	125.4		GGGG			38	30
2944-16490	00000/0000	2-10034/0162	08/23/77	10	3163	4144N	10731W	46.4	123.7		FGGG			38	31
2944-16492	00000/0000	2-10034/0163	08/23/77	10	3163	4019N	10801W	46.9	122.0		GGGG			38	32
2944-16495	00000/0000	2-10034/0164	08/23/77	20	3163	3854N	10830W	47.4	120.3		GGGG			38	33
2944-16501	00000/0000	2-10034/0165	08/23/77	40	3163	3728N	10858W	47.8	118.5		GGGG			38	34
2944-16504	00000/0000	2-10034/0166	08/23/77	10	3163	3602N	10925W	48.2	116.8		GGGG			38	35
2944-16510	00000/0000	2-10034/0167	08/23/77	10	3163	3436N	10952W	48.6	115.0		GGGG			38	36
2944-16513	00000/0000	2-10034/0168	08/23/77	10	3163	3311N	11017W	48.9	113.2		FGGG			38	37
2944-16515	00000/0000	2-10034/0169	08/23/77	10	3163	3145N	11042W	49.2	111.4		GGGG			38	38
2944-16522	00000/0000	2-10034/0170	08/23/77	10	3163	3019N	11106W	49.5	109.6		GFGG			38	39
2945-15094	00000/0000	2-10034/0171	08/24/77	40	3176	4724N	08057W	43.7	130.6		GGGG			21	27
2945-15101	00000/0000	2-10034/0172	08/24/77	10	3176	4600N	08132W	44.4	129.0		FGGG			21	28
2945-15103	00000/0000	2-10034/0173	08/24/77	30	3176	4435N	08205W	45.0	127.3		FGGF			21	29
2945-15110	00000/0000	2-10034/0174	08/24/77	30	3176	4310N	08237W	45.6	125.7		FGGG			21	30
2945-15112	00000/0000	2-10034/0175	08/24/77	60	3176	4145N	08308W	46.1	124.0		FGGG			21	31
2945-15115	00000/0000	2-10034/0176	08/24/77	90	3176	4019N	08338W	46.7	122.4		FFGG			21	32
2945-15121	00000/0000	2-10034/0177	08/24/77	80	3176	3853N	08407W	47.2	120.7		GFGG			21	33
2945-15124	00000/0000	2-10034/0178	08/24/77	60	3176	3727N	08435W	47.6	118.9		GGGG			21	34
2945-15130	00000/0000	2-10034/0179	08/24/77	70	3176	3601N	08502W	48.1	117.2		FGGG			21	35
2945-15133	00000/0000	2-10034/0180	08/24/77	50	3176	3436N	08528W	48.4	115.4		GFGG			21	36

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2945-15135	00000/0000	2-10034/0181	08/24/77	60	3176	3310N	08554W	48.8	113.6		GGFG			21	37
2945-15142	00000/0000	2-10034/0182	08/24/77	90	3176	3144N	08619W	49.1	111.8		GGFG			21	38
2945-15144	00000/0000	2-10034/0183	08/24/77	90	3176	3018N	08643W	49.4	110.0		GGGP			21	39
2946-15152	00000/0000	2-10034/0184	08/25/77	70	3190	4724N	08222W	43.4	130.9		GGGG			22	27
2946-15155	00000/0000	2-10034/0185	08/25/77	30	3190	4559N	08258W	44.1	129.3		GGGG			22	28
2946-15161	00000/0000	2-10034/0186	08/25/77	10	3190	4434N	08331W	44.7	127.7		GGGG			22	29
2946-15173	00000/0000	2-10034/0187	08/25/77	10	3190	4018N	08504W	46.5	122.7		GGG			22	32
2946-15175	00000/0000	2-10034/0188	08/25/77	10	3190	3853N	08532W	47.0	121.0		FGG			22	33
2946-15182	00000/0000	2-10034/0189	08/25/77	70	3190	3727N	08600W	47.4	119.3		GFG			22	34
2946-15184	00000/0000	2-10034/0190	08/25/77	50	3190	3602N	08626W	47.9	117.6		FGGG			22	35
2946-15191	00000/0000	2-10034/0191	08/25/77	20	3190	3436N	08652W	48.3	115.8		GGGG			22	36
2946-15193	00000/0000	2-10034/0192	08/25/77	70	3190	3311N	08718W	48.6	114.1		GGFG			22	37
2946-15200	00000/0000	2-10034/0193	08/25/77	80	3190	3144N	08744W	48.9	112.3		GGFG			22	38
2946-15202	00000/0000	2-10034/0194	08/25/77	70	3190	3018N	08809W	49.2	110.5		GGGG			22	39
2946-16582	00000/0000	2-10034/0195	08/25/77	20	3191	4848N	10737W	42.7	132.5		GFFG			40	26
2946-16584	00000/0000	2-10034/0196	08/25/77	50	3191	4723N	10813W	43.4	130.9		GGGG			40	27
2946-16591	00000/0000	2-10034/0197	08/25/77	60	3191	4559N	10847W	44.1	129.3		GFGG			40	28
2946-16593	00000/0000	2-10034/0198	08/25/77	60	3191	4433N	10921W	44.7	127.7		GGGG			40	29
2946-17000	00000/0000	2-10034/0199	08/25/77	70	3191	4308N	10953W	45.3	126.1		GFGG			40	30
2946-17002	00000/0000	2-10034/0200	08/25/77	90	3191	4143N	11023W	45.9	124.4		GGGG			40	31
2946-17005	00000/0000	2-10034/0201	08/25/77	40	3191	4017N	11058W	46.4	122.8		GGGG			40	32
2946-17011	00000/0000	2-10034/0202	08/25/77	10	3191	3852N	11122W	46.9	121.1		GGGG			40	33
2946-17014	00000/0000	2-10034/0203	08/25/77	10	3191	3727N	11150W	47.4	119.4		GGGG			40	34
2946-17020	00000/0000	2-10034/0204	08/25/77	10	3191	3600N	11217W	47.8	117.6		GGGG			40	35
2946-17023	00000/0000	2-10034/0205	08/25/77	10	3191	3435N	11244W	48.2	115.9		GGGG			40	36
2946-17025	00000/0000	2-10034/0206	08/25/77	0	3191	3309N	11310W	48.6	114.1		GGGG			40	37
2946-17032	00000/0000	2-10034/0207	08/25/77	0	3191	3144N	11335W	48.9	112.3		FGGG			40	38
2946-17034	00000/0000	2-10034/0208	08/25/77	0	3191	3018N	11400W	49.2	110.5		GFGG			40	39
2947-15225	00000/0000	2-10034/0243	08/26/77	30	3204	4143N	08601W	45.7	124.8		GGGG			23	31
2947-15240	00000/0000	2-10034/0244	08/26/77	30	3204	3727N	08727W	47.2	119.7		GGGG			23	34
2947-15243	00000/0000	2-10034/0245	08/26/77	40	3204	3601N	08755W	47.7	118.0		GGGG			23	35
2947-15245	00000/0000	2-10034/0246	08/26/77	40	3204	3435N	08822W	48.1	116.3		GGGG			23	36
2947-15252	00000/0000	2-10034/0247	08/26/77	40	3204	3309N	08847W	48.4	114.5		GGGG			23	37
2947-15254	00000/0000	2-10034/0248	08/26/77	50	3204	3143N	08912W	48.8	112.7		GGGG			23	38
2947-17040	00000/0000	2-10034/1491	08/26/77	70	3205	4851N	10901W	42.4	132.8		GGGG			41	26
2947-17042	00000/0000	2-10034/1492	08/26/77	90	3205	4726N	10937W	43.1	131.3		GGGG			41	27

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2947-17045	00000/0000	2-10034/1493	08/26/77	80	3205	4601N	11012W	43.8	129.7		GGGG			41	28
2947-17051	00000/0000	2-10034/1494	08/26/77	90	3205	4436N	11045W	44.5	128.1		GGGG			41	29
2947-17054	00000/0000	2-10034/1495	08/26/77	80	3205	4311N	11117W	45.1	126.5		GGGG			41	30
2947-17060	00000/0000	2-10034/1496	08/26/77	80	3205	4146N	11148W	45.6	124.9		GGGG			41	31
2947-17063	00000/0000	2-10034/1497	08/26/77	80	3205	4020N	11218W	46.2	123.2		GGGG			41	32
2947-17065	00000/0000	2-10034/1498	08/26/77	70	3205	3855N	11247W	46.7	121.5		GGGG			41	33
2947-17072	00000/0000	2-10034/1499	08/26/77	10	3205	3729N	11315W	47.2	119.8		GGGG			41	34
2947-17074	00000/0000	2-10034/1500	08/26/77	0	3205	3604N	11342W	47.6	118.1		GGGG			41	35
2947-17081	00000/0000	2-10034/1501	08/26/77	0	3205	3438N	11409W	48.0	116.4		GGGG			41	36
2947-17083	00000/0000	2-10034/1502	08/26/77	0	3205	3312N	11435W	48.4	114.6		GGGG			41	37
2947-17090	00000/0000	2-10034/1503	08/26/77	10	3205	3146N	11501W	48.7	112.8		GGGG			41	38
2948-15262	00000/0000	2-10034/0276	08/27/77	90	3218	4851N	08438W	42.2	133.1		GGGG			24	26
2948-15265	00000/0000	2-10034/0277	08/27/77	90	3218	4726N	08514W	42.9	131.5		FGGG			24	27
2948-15271	00000/0000	2-10034/0278	08/27/77	80	3218	4601N	08549W	43.6	130.0		GGGG			24	28
2948-15274	00000/0000	2-10034/0279	08/27/77	60	3218	4436N	08622W	44.2	128.4		GGGG			24	29
2948-15280	00000/0000	2-10034/0280	08/27/77	30	3218	4310N	08654W	44.8	126.8		GGGG			24	30
2948-15283	00000/0000	2-10034/0281	08/27/77	20	3218	4146N	08725W	45.4	125.2		GGGG			24	31
2948-15285	00000/0000	2-10034/0282	08/27/77	20	3218	4021N	08756W	46.0	123.6		GGGG			24	32
2948-15292	00000/0000	2-10034/0283	08/27/77	40	3218	3855N	08825W	46.5	121.9		GGGG			24	33
2948-15294	00000/0000	2-10034/0284	08/27/77	50	3218	3729N	08853W	47.0	120.2		GGGG			24	34
2948-15301	00000/0000	2-10034/0285	08/27/77	70	3218	3604N	08920W	47.4	118.5		GGGG			24	35
2948-15303	00000/0000	2-10034/0286	08/27/77	80	3218	3438N	08947W	47.9	116.8		GGGG			24	36
2948-15310	00000/0000	2-10034/0287	08/27/77	70	3218	3312N	09013W	48.2	115.0		GGGG			24	37
2948-17094	00000/0000	2-10034/0260	08/27/77	90	3219	4850N	11028W	42.2	133.1		GGGG			42	26
2948-17100	00000/0000	2-10034/0261	08/27/77	80	3219	4725N	11105W	42.9	131.6		GGGG			42	27
2948-17103	00000/0000	2-10034/0262	08/27/77	80	3219	4600N	11140W	43.6	130.0		GGGG			42	28
2948-17105	00000/0000	2-10034/0263	08/27/77	60	3219	4435N	11213W	44.2	128.4		GGGG			42	29
2948-17112	00000/0000	2-10034/0264	08/27/77	30	3219	4310N	11245W	44.8	126.8		GGGG			42	30
2948-17114	00000/0000	2-10034/0265	08/27/77	30	3219	4145N	11316W	45.4	125.2		GGFG			42	31
2948-17121	00000/0000	2-10034/0266	08/27/77	20	3219	4019N	11346W	46.0	123.6		GGGG			42	32
2948-17123	00000/0000	2-10034/0267	08/27/77	20	3219	3854N	11415W	46.5	121.9		GGGG			42	33
2948-17130	00000/0000	2-10034/0268	08/27/77	10	3219	3728N	11443W	47.0	120.2		GGGG			42	34
2948-17132	00000/0000	2-10034/0269	08/27/77	0	3219	3603N	11511W	47.4	118.5		GGFG			42	35
2948-17135	00000/0000	2-10034/0270	08/27/77	0	3219	3437N	11537W	47.9	116.8		GGGG			42	36
2948-17141	00000/0000	2-10034/0271	08/27/77	10	3219	3311N	11603W	48.2	115.1		GGFG			42	37
2948-17144	00000/0000	2-10034/0272	08/27/77	30	3219	3145N	11628W	48.6	113.3		GGGG			42	38

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ ROLL IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL 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
2949-15323	00000/0000	2-10034/0294	08/28/77	80	3232	4726N	08642W	42.6	131.9		GGGG			25	27
2949-15325	00000/0000	2-10034/0295	08/28/77	70	3232	4601N	08717W	43.3	130.3		GGGG			25	28
2949-15332	00000/0000	2-10034/0296	08/28/77	80	3232	4436N	08750W	44.0	128.7		GGGG			25	29
2949-15334	00000/0000	2-10034/0297	08/28/77	80	3232	4310N	08822W	44.6	127.2		FGGG			25	30
2949-15341	00000/0000	2-10034/0298	08/28/77	70	3232	4145N	08853W	45.2	125.6		GFGG			25	31
2949-15343	00000/0000	2-10034/0299	08/28/77	60	3232	4020N	08923W	45.7	123.9		GGGG			25	32
2949-15364	00000/0000	2-10034/0300	08/28/77	50	3232	3312N	09139W	48.1	115.5		GGGG			25	37
2949-17152	00000/0000	2-10034/0377	08/28/77	60	3233	4850N	11154W	41.9	133.4		GGGG			43	26
2949-17154	00000/0000	2-10034/0378	08/28/77	60	3233	4726N	11231W	42.6	131.9		GGGG			43	27
2949-17161	00000/0000	2-10034/0379	08/28/77	40	3233	4600N	11305W	43.3	130.3		GGGG			43	28
2949-17163	00000/0000	2-10034/0380	08/28/77	40	3233	4435N	11339W	43.9	128.8		GGGG			43	29
2949-17170	00000/0000	2-10034/0381	08/28/77	10	3233	4310N	11411W	44.6	127.2		GGGG			43	30
2949-17172	00000/0000	2-10034/0382	08/28/77	10	3233	4145N	11441W	45.2	125.6		GGGG			43	31
2949-17175	00000/0000	2-10034/0383	08/28/77	10	3233	4020N	11511W	45.7	124.0		GGGG			43	32
2949-17181	00000/0000	2-10034/0384	08/28/77	10	3233	3854N	11540W	46.3	122.3		GGGG			43	33
2949-17184	00000/0000	2-10034/0385	08/28/77	0	3233	3729N	11608W	46.8	120.6		GGGG			43	34
2949-17190	00000/0000	2-10034/0386	08/28/77	0	3233	3603N	11635W	47.2	119.0		GGGG			43	35
2949-17193	00000/0000	2-10034/0387	08/28/77	0	3233	3437N	11702W	47.7	117.[illegible]		GGGG			[illegible]	36
2949-17195	00000/0000	2-10034/0388	08/28/77	50	3233	3311N	11727W	48.1	115.[illegible]		GGGG			43	37
2949-17202	00000/0000	2-10034/0389	08/28/77	90	3233	3146N	11752W	48.4	113.[illegible]		GGGG			43	38
2950-15374	00000/0000	2-10034/0249	08/29/77	60	3246	4851N	08731W	41.6	133.[illegible]		GGGG			26	26
2950-15381	00000/0000	2-10034/0250	08/29/77	20	3246	4726N	08807W	42.3	13[illegible]		FGGG			26	27
2950-15383	00000/0000	2-10034/0251	08/29/77	20	3246	4601N	08842W	43.0	[illegible]		.GGG			26	28
2950-15390	00000/0000	2-10034/0252	08/29/77	20	3246	4436N	08915W	43.7	[illegible]		GGGG			26	29
2950-15392	00000/0000	2-10034/0253	08/29/77	40	3246	4311N	08945W	44.3	[illegible]		GGGG			26	30
2950-15395	00000/0000	2-10034/0254	08/29/77	40	3246	4146N	09016W	44.9	125.[illegible]		GGGG			26	31
2950-15401	00000/0000	2-10034/0255	08/29/77	30	3246	4021N	09046W	45.5	124.3		GGGG			26	32
2950-15404	00000/0000	2-10034/0256	08/29/77	70	3246	3855N	09115W	46.1	122.7		GGGG			26	33
2950-15413	00000/0000	2-10034/0257	08/29/77	90	3246	3603N	09211W	47.0	119.4		GGGG			26	35
2950-15415	00000/0000	2-10034/0258	08/29/77	90	3246	3437N	09237W	47.5	117.7		GGGG			26	36
2950-15422	00000/0000	2-10034/0259	08/29/77	70	3246	3312N	09304W	47.9	115.9		GGGG			26	37
2950-15424	00000/0000	2-10034/0301	08/29/77	80	3246	3147N	09329W	48.3	114.2		FGGG			26	38
2950-15431	00000/0000	2-10034/0302	08/29/77	80	3246	3020N	09353W	48.6	112.4		GGGG			26	39
2950-15433	00000/0000	2-10034/0303	08/29/77	50	3246	2853N	09417W	48.9	110.7		PGGG			26	40
2950-15440	00000/0000	2-10034/0304	08/29/77	20	3246	2727N	09440W	49.1	108.9		PGGG			26	41
2950-15442	00000/0000	2-10034/0305	08/29/77	10	3246	2601N	09503W	49.3	107.1		FGGG			26	42

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 RUN NUMBER
2950-15445	00000/0000	2-10034/0306	08/29/77	10	3246	2434N	09526W	49.5	105.3		GGGG			26	43
2950-17210	00000/0000	2-10034/0307	08/29/77	40	3247	4850N	11321W	41.6	133.7		GGGG			44	26
2950-17212	00000/0000	2-10034/0308	08/29/77	80	3247	4726N	11357W	42.3	132.2		GGGG			44	27
2950-17215	00000/0000	2-10034/0309	08/29/77	70	3247	4600N	11432W	43.0	130.7		GGGG			44	28
2950-17221	00000/0000	2-10034/0310	08/29/77	60	3247	4435N	11505W	43.7	129.1		GGGG			44	29
2950-17224	00000/0000	2-10034/0311	08/29/77	30	3247	4310N	11537W	44.3	127.5		GGGG			44	30
2950-17230	00000/0000	2-10034/0312	08/29/77	20	3247	4145N	11608W	44.9	126.0		GGGG			44	31
2950-17233	00000/0000	2-10034/0313	08/29/77	10	3247	4019N	11637W	45.5	124.3		GGGG			44	32
2950-17235	00000/0000	2-10034/0314	08/29/77	0	3247	3853N	11707W	46.0	122.7		GGGG			44	33
2950-17242	00000/0000	2-10034/0315	08/29/77	0	3247	3728N	11735W	46.6	121.1		GGGG			44	34
2950-17244	00000/0000	2-10034/0316	08/29/77	0	3247	3603N	11802W	47.0	119.4		GGGG			44	35
2950-17251	00000/0000	2-10034/0317	08/29/77	10	3247	3438N	11829W	47.5	117.7		GGGG			44	36
2950-17253	00000/0000	2-10034/0318	08/29/77	90	3247	3311N	11854W	47.9	116.0		GGGG			44	37
2951-15432	00000/0000	2-10034/0432	08/30/77	80	3260	4851N	08856W	41.3	134.0		GGGG			27	26
2951-15435	00000/0000	2-10034/0433	08/30/77	70	3260	4726N	08932W	42.1	132.5		GGGG			27	27
2951-15441	00000/0000	2-10034/0434	08/30/77	70	3260	4602N	09007W	42.8	131.0		GGGG			27	28
2951-15444	00000/0000	2-10034/0435	08/30/77	70	3260	4436N	09039W	43.4	129.4		GGGG			27	29
2951-15450	00000/0000	2-10034/0436	08/30/77	80	3260	4311N	09111W	44.1	127.9		GGGG			27	30
2951-15453	00000/0000	2-10034/0437	08/30/77	70	3260	4145N	09142W	44.7	126.3		GGGG			27	31
2951-15455	00000/0000	2-10034/0438	08/30/77	90	3260	4019N	09212W	45.3	124.7		GGGG			27	32
2951-15462	00000/0000	2-10034/0439	08/30/77	70	3260	3854N	09241W	45.8	123.1		GGGG			27	33
2951-15464	00000/0000	2-10034/0440	08/30/77	60	3260	3728N	09309W	46.4	121.5		GGGG			27	34
2951-15471	00000/0000	2-10034/0441	08/30/77	30	3260	3603N	09337W	46.8	119.8		GGGG			27	35
2951-15473	00000/0000	2-10034/0442	08/30/77	10	3260	3437N	09404W	47.3	118.1		GGGG			27	36
2951-15480	00000/0000	2-10034/0443	08/30/77	10	3260	3311N	09429W	47.7	116.4		GFGG			27	37
2951-15482	00000/0000	2-10034/0444	08/30/77	10	3260	3145N	09454W	48.1	114.7		GGGG			27	38
2951-15485	00000/0000	2-10034/0289	08/30/77	60	3260	3020N	09519W	48.4	112.9		GGGG			27	39
2951-15491	00000/0000	2-10034/0290	08/30/77	70	3260	2853N	09543W	48.7	111.2		GFGG			27	40
2951-15494	00000/0000	2-10034/0291	08/30/77	50	3260	2726N	09607W	49.0	109.4		GGGG			27	41
2951-15500	00000/0000	2-10034/0292	08/30/77	40	3260	2559N	09630W	49.2	107.6		GGGF			27	42
2951-15503	00000/0000	2-10034/0293	08/30/77	30	3260	2433N	09652W	49.4	105.8		GGGG			27	43
2951-17264	00000/0000	2-10034/0406	08/30/77	70	3261	4853N	11444W	41.3	134.1		GGGG			45	26
2951-17270	00000/0000	2-10034/0407	08/30/77	90	3261	4728N	11521W	42.0	132.6		GGGG			45	27
2951-17273	00000/0000	2-10034/0408	08/30/77	90	3261	4603N	11556W	42.7	131.0		GGGG			45	28
2951-17275	00000/0000	2-10034/0409	08/30/77	80	3261	4438N	11630W	43.4	129.5		GGGG			45	29
2951-17282	00000/0000	2-10034/0410	08/30/77	40	3261	4312N	11702W	44.0	128.0		GGGG			45	30

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2951-17284	00000/0000	2-10034/0411	08/30/77	20	3261	4147N	11733W	44.7	126.4		GGGG			45	31
2951-17291	00000/0000	2-10034/0412	08/30/77	0	3261	4022N	11803W	45.2	124.8		GGGG			45	32
2951-17293	00000/0000	2-10034/0413	08/30/77	0	3261	3857N	11832W	45.8	123.2		GGGG			45	33
2951-17300	00000/0000	2-10034/0414	08/30/77	0	3261	3732N	11900W	46.3	121.5		GGGG			45	34
2951-17302	00000/0000	2-10034/0415	08/30/77	0	3261	3605N	11927W	46.8	119.9		GGGG			45	35
2951-17305	00000/0000	2-10034/0416	08/30/77	60	3261	3439N	11954W	47.3	118.2		GGGG			45	36
2951-17311	00000/0000	2-10034/0417	08/30/77	100	3261	3313N	12019W	47.7	116.5		GGGG			45	37
2952-15490	00000/0000	2-10034/0461	08/31/77	100	3274	4850N	09024W	41.1	134.3		FGG			28	26
2952-15493	00000/0000	2-10034/0462	08/31/77	90	3274	4725N	09101W	41.8	132.8		GGG			28	27
2952-15495	00000/0000	2-10034/0463	08/31/77	80	3274	4601N	09136W	42.5	131.3		GGGG			28	28
2952-15502	00000/0000	2-10034/0464	08/31/77	40	3274	4435N	09209W	43.2	129.8		GGGG			28	29
2952-15504	00000/0000	2-10034/0465	08/31/77	50	3274	4310N	09242W	43.8	128.2		GFGG			28	30
2952-15511	00000/0000	2-10034/0466	08/31/77	60	3274	4144N	09313W	44.4	126.7		GGGG			28	31
2952-15513	00000/0000	2-10034/0467	08/31/77	90	3274	4018N	09343W	45.0	125.1		FGGG			28	32
2952-15520	00000/0000	2-10034/0468	08/31/77	80	3274	3852N	09412W	45.6	123.5		GGGG			28	33
2952-15522	00000/0000	2-10034/0469	08/31/77	70	3274	3727N	09439W	46.1	121.9		GGFG			28	34
2952-15525	00000/0000	2-10034/0470	08/31/77	20	3274	3602N	09506W	46.6	120.2		GGGG			28	35
2952-15531	00000/0000	2-10034/0471	08/31/77	20	3274	3436N	09532W	47.1	118.6		GGGG			28	36
2952-15534	00000/0000	2-10034/0472	08/31/77	10	3274	3310N	09557W	47.5	116.9		GGGG			28	37
2952-15540	00000/0000	2-10034/0473	08/31/77	10	3274	3145N	09622W	47.9	115.1		GGGG			28	38
2952-15543	00000/0000	2-10034/0402	08/31/77	30	3274	3019N	09647W	48.3	113.4		GGGG			28	39
2952-15545	00000/0000	2-10034/0403	08/31/77	50	3274	2852N	09712W	48.6	111.7		GGGG			28	40
2952-15552	00000/0000	2-10034/0404	08/31/77	60	3274	2726N	09735W	48.8	109.9		GGCG			28	41
2952-15554	00000/0000	2-10034/0405	08/31/77	60	3274	2559N	09757W	49.1	108.1		GGGG			28	42
2952-17322	00000/0000	2-10034/0390	08/31/77	70	3275	4852N	11610W	41.0	134.3		GGGG			46	26
2952-17324	00000/0000	2-10034/0391	08/31/77	30	3275	4727N	11646W	41.7	132.9		GGGG			46	27
2952-17331	00000/0000	2-10034/0392	08/31/77	70	3275	4603N	11721W	42.5	131.4		GGGG			46	28
2952-17333	00000/0000	2-10034/0393	08/31/77	80	3275	4438N	11755W	43.1	129.9		GGGG			46	29
2952-17340	00000/0000	2-10034/0394	08/31/77	50	3275	4313N	11827W	43.8	128.3		GGGG			46	30
2952-17342	00000/0000	2-10034/0395	08/31/77	0	3275	4148N	11859W	44.4	126.8		FGGG			46	31
2952-17345	00000/0000	2-10034/0396	08/31/77	0	3275	4022N	11929W	45.0	125.2		GGGG			46	32
2952-17351	00000/0000	2-10034/0397	08/31/77	0	3275	3856N	11958W	45.6	123.6		GGGG			46	33
2952-17354	00000/0000	2-10034/0398	08/31/77	10	3275	3731N	12026W	46.1	122.0		GGGG			46	34
2952-17360	00000/0000	2-10034/0399	08/31/77	40	3275	3605N	12053W	46.6	120.3		GGGG			46	35
2952-17363	00000/0000	2-10034/0400	08/31/77	90	3275	3439N	12119W	47.1	118.6		GGGG			46	36
2952-17365	00000/0000	2-10034/0401	08/31/77	100	3275	3312N	12144W	47.5	117.0		GGGG			46	37

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 45679	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2953-14122	00000/0000	2-10034/0474	09/01/77	20	3287	4603N	06710W	42.2	131.7		GGGG			11	28
2953-14124	00000/0000	2-10034/0475	09/01/77	30	3287	4438N	06743W	42.9	130.2		GGF			11	29
2953-14131	00000/0000	2-10034/0476	09/01/77	70	3287	4313N	06814W	43.6	128.6		GGGF			11	30
2953-14133	00000/0000	2-10034/0477	09/01/77	60	3287	4148N	06845W	44.2	127.1		FFFF			11	31
2953-14140	00000/0000	2-10034/0478	09/01/77	20	3287	4023N	06915W	44.8	125.5		FFFF			11	32
2953-15544	00000/0000	2-10034/0987	09/01/77	70	3288	4853N	09148W	40.7	134.6		GGGG			29	26
2953-15551	00000/0000	2-10034/0988	09/01/77	80	3288	4729N	09224W	41.5	133.2		GGGG			29	27
2953-15553	00000/0000	2-10034/0989	09/01/77	70	3288	4604N	09259W	42.2	131.7		GGGG			29	28
2953-15560	00000/0000	2-10034/0990	09/01/77	30	3288	4439N	09333W	42.9	130.2		GGGG			29	29
2953-15562	00000/0000	2-10034/0991	09/01/77	50	3288	4313N	09405W	43.5	128.7		GGGG			29	30
2953-15565	00000/0000	2-10034/0992	09/01/77	90	3288	4148N	09436W	44.2	127.1		GGGG			29	31
2953-15571	00000/0000	2-10034/0993	09/01/77	80	3288	4022N	09505W	44.8	125.6		GGGG			29	32
2953-15574	00000/0000	2-10034/0994	09/01/77	90	3288	3857N	09534W	45.4	124.0		GGGF			29	33
2953-15580	00000/0000	2-10034/0995	09/01/77	80	3288	3731N	09602W	45.9	122.4		GGGG			29	34
2953-15583	00000/0000	2-10034/0996	09/01/77	30	3288	3605N	09629W	46.4	120.7		GGGG			29	35
2953-15585	00000/0000	2-10034/0997	09/01/77	30	3288	3440N	09656W	46.9	119.1		GGGG			29	36
2953-15592	00000/0000	2-10034/0998	09/01/77	30	3288	3314N	09722W	47.3	117.4		GGGG			29	37
2953-15594	00000/0000	2-10034/0999	09/01/77	50	3288	3148N	09747W	47.7	115.7		GGGG			29	38
2953-16001	00000/0000	2-10034/1000	09/01/77	60	3288	3021N	09812W	48.1	114.0		GGGG			29	39
2953-16003	00000/0000	2-10034/1001	09/01/77	60	3288	2855N	09835W	48.4	112.2		GGGG			29	40
2953-16010	00000/0000	2-10034/1002	09/01/77	60	3288	2729N	09858W	48.7	110.5		GGGG			29	41
2953-16012	00000/0000	2-10034/1003	09/01/77	50	3288	2602N	09921W	48.9	108.7		GGGG			29	42
2953-17380	00000/0000	2-10034/0479	09/01/77	20	3289	4852N	11737W	40.7	134.6		GFGG			47	26
2953-17383	00000/0000	2-10034/0480	09/01/77	10	3289	4727N	11813W	41.5	133.2		GGGG			47	27
2953-17385	00000/0000	2-10034/0481	09/01/77	0	3289	4602N	11849W	42.2	131.7		GGGG			47	28
2953-17392	00000/0000	2-10034/0482	09/01/77	0	3289	4437N	11922W	42.9	130.2		GGGF			47	29
2953-17394	00000/0000	2-10034/0483	09/01/77	0	3289	4312N	11954W	43.5	128.7		GGGG			47	30
2953-17401	00000/0000	2-10034/0484	09/01/77	0	3289	4147N	12025W	44.2	127.1		GGFG			47	31
2953-17403	00000/0000	2-10034/0485	09/01/77	0	3289	4021N	12055W	44.8	125.6		GGGG			47	32
2953-17410	00000/0000	2-10034/0486	09/01/77	0	3289	3856N	12124W	45.3	124.0		GGGG			47	33
2953-17412	00000/0000	2-10034/0487	09/01/77	30	3289	3730N	12153W	45.9	122.4		GGFG			47	34
2953-17415	00000/0000	2-10034/0488	09/01/77	40	3289	3604N	12220W	46.4	120.7		FGFG			47	35
2953-17421	00000/0000	2-10034/0489	09/01/77	60	3289	3438N	12247W	46.9	119.1		FFFF			47	36
2954-14173	00000/0000	2-10034/0527	09/02/77	60	3301	4728N	06802W	41.2	133.5		GGGG			12	27
2954-14180	00000/0000	2-10034/0528	09/02/77	90	3301	4603N	06838W	41.9	132.0		FGGG			12	28
2954-14182	00000/0000	2-10034/0529	09/02/77	80	3301	4437N	06911W	42.6	130.5		GGGG			12	29

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2954-14185	00000/0000	2-10034/0530	09/02/77	50	3301	4312N	06943W	43.3	129.0		GGGG			12	30
2954-14191	00000/0000	2-10034/0531	09/02/77	30	3301	4147N	07013W	43.9	127.5		GGGG			12	31
2954-14194	00000/0000	2-10034/0532	09/02/77	20	3301	4021N	07043W	44.6	125.9		GGGF			12	32
2954-14200	00000/0000	2-10034/0533	09/02/77	20	3301	3856N	07111W	45.1	124.3		GGGF			12	33
2954-14203	00000/0000	2-10034/0534	09/02/77	30	3301	3730N	07138W	45.7	122.7		FGGF			12	34
2954-14205	00000/0000	2-10034/0535	09/02/77	40	3301	3605N	07205W	46.2	121.1		GGGG			12	35
2954-16003	00000/0000	2-10034/0519	09/02/77	70	3302	4854N	09316W	40.5	134.9		GGGG			30	26
2954-16005	00000/0000	2-10034/0520	09/02/77	70	3302	4729N	09353W	41.2	133.5		GGGG			30	27
2954-16012	00000/0000	2-10034/0521	09/02/77	30	3302	4603N	09427W	41.9	132.0		GGGG			30	28
2954-16014	00000/0000	2-10034/0522	09/02/77	40	3302	4438N	09501W	42.6	130.5		GGGG			30	29
2954-16021	00000/0000	2-10034/0523	09/02/77	70	3302	4313N	09533W	43.3	129.0		GGGG			30	30
2954-16023	00000/0000	2-10034/0524	09/02/77	80	3302	4147N	09604W	43.9	127.5		GGGG			30	31
2954-16030	00000/0000	2-10034/0525	09/02/77	70	3302	4021N	09634W	44.5	125.9		GGGG			30	32
2954-16032	00000/0000	2-10034/0526	09/02/77	40	3302	3855N	09702W	45.1	124.4		GGGG			30	33
2954-16035	00000/0000	2-10034/0538	09/02/77	50	3302	3730N	09730W	45.7	122.8		FGGG			30	34
2954-16041	00000/0000	2-10034/0539	09/02/77	20	3302	3604N	09757W	46.2	121.2		GGGG			30	35
2954-16044	00000/0000	2-10034/0540	09/02/77	20	3302	3439N	09824W	46.7	119.5		FGGG			30	36
2954-16050	00000/0000	2-10034/0541	09/02/77	30	3302	3312N	09849W	47.1	117.8		GGGG			30	37
2954-16053	00000/0000	2-10034/0542	09/02/77	30	3302	3146N	09914W	47.5	116.2		GGGG			30	38
2954-16055	00000/0000	2-10034/0543	09/02/77	30	3302	3019N	09939W	47.9	114.4		GGGG			30	39
2954-16062	00000/0000	2-10034/0544	09/02/77	60	3302	2853N	10003W	48.2	112.7		GGGG			30	40
2954-16064	00000/0000	2-10034/0545	09/02/77	70	3302	2727N	10027W	48.5	111.0		GGGG			30	41
2954-16071	00000/0000	2-10034/0546	09/02/77	90	3302	2601N	10049W	48.8	109.2		GFG			30	42
2954-17434	00000/0000	2-10034/0788	09/02/77	90	3303	4852N	11903W	40.4	134.9		GGGG			48	26
2954-17441	00000/0000	2-10034/0789	09/02/77	90	3303	4727N	11940W	41.2	133.5		GGGG			48	27
2954-17443	00000/0000	2-10034/0790	09/02/77	80	3303	4602N	12013W	41.9	132.0		GGGG			48	28
2954-17455	00000/0000	2-10034/0795	09/02/77	100	3303	4146N	12151W	43.9	127.5		GG			48	31
2954-17461	00000/0000	2-10034/0791	09/02/77	10	3303	4021N	12221W	44.5	126.0		GGGG		H	48	32
2954-17464	00000/0000	2-10034/0792	09/02/77	30	3303	3856N	12250W	45.1	124.4		GGGG		H	48	33
2954-17470	00000/0000	2-10034/0793	09/02/77	90	3303	3730N	12318W	45.7	122.8		GGGG		H	48	34
2954-17473	00000/0000	2-10034/0794	09/02/77	90	3303	3604N	12345W	46.2	121.2		GGGG		H	48	35
2955-14232	00000/0000	2-10034/0824	09/03/77	30	3315	4727N	06929W	40.9	133.8		GGGG			13	27
2955-14234	00000/0000	2-10034/0825	09/03/77	70	3315	4603N	07003W	41.7	132.3		GGGG			13	28
2955-14241	00000/0000	2-10034/0826	09/03/77	80	3315	4438N	07036W	42.4	130.8		GGGG			13	29
2955-14243	00000/0000	2-10034/0827	09/03/77	80	3315	4313N	07108W	43.0	129.3		GGGG			13	30
2955-14250	00000/0000	2-10034/0828	09/03/77	70	3315	4147N	07139W	43.7	127.8		GGGG			13	31

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2955-14252	00000/0000	2-10034/0829	09/03/77	60	3315	4021N	07209W	44.3	126.3		GGGG			13	32
2955-14255	00000/0000	2-10034/0830	09/03/77	60	3315	3855N	07238W	44.9	124.7		GGGG			13	33
2955-14261	00000/0000	2-10034/0831	09/03/77	30	3315	3730N	07307W	45.5	123.2		GGGG			13	34
2955-14264	00000/0000	2-10034/0832	09/03/77	40	3315	3604N	07334W	46.0	121.6		GGGG			13	35
2955-14270	00000/0000	2-10034/0833	09/03/77	30	3315	3438N	07400W	46.5	119.9		GGFF			13	36
2955-14273	00000/0000	2-10034/0834	09/03/77	30	3315	3313N	07426W	46.9	118.3		GGGF			13	37
2955-14275	00000/0000	2-10034/0835	09/03/77	40	3315	3147N	07450W	47.4	116.6		GGGG			13	38
2955-16061	00000/0000	2-10034/0561	09/03/77	90	3316	4853N	09441W	40.2	135.2		FGGF			31	26
2955-16063	00000/0000	2-10034/0562	09/03/77	30	3316	4728N	09517W	40.9	133.8		GGG			31	27
2955-16070	00000/0000	2-10034/0563	09/03/77	60	3316	4603N	09552W	41.6	132.3		GGG			31	28
2955-16072	00000/0000	2-10034/0564	09/03/77	80	3316	4438N	09628W	42.3	130.9		GGGG			31	29
2955-16075	00000/0000	2-10034/0565	09/03/77	70	3316	4313N	09657W	43.0	129.4		GGGG			31	30
2955-16081	00000/0000	2-10034/0566	09/03/77	50	3316	4147N	09728W	43.7	127.9		GGGG			31	31
2955-16084	00000/0000	2-10034/0567	09/03/77	50	3316	4021N	09759W	44.3	126.3		GGGG			31	32
2955-16090	00000/0000	2-10034/0568	09/03/77	90	3316	3856N	09827W	44.9	124.8		GGGG			31	33
2955-16102	00000/0000	2-10034/0569	09/03/77	10	3316	3438N	09948W	46.5	120.0		GGGG			31	36
2955-16104	00000/0000	2-10034/0570	09/03/77	20	3316	3312N	10014W	46.9	118.3		GGGG			31	37
2955-16111	00000/0000	2-10034/0571	09/03/77	40	3316	3144N	10039W	47.4	116.6		GGGG			31	38
2955-16113	00000/0000	2-10034/0572	09/03/77	40	3316	3020N	10104W	47.7	114.9		GGGG			31	39
2955-16120	00000/0000	2-10034/0573	09/03/77	40	3316	2854N	10128W	48.1	113.2		GGG			31	40
2955-16122	00000/0000	2-10034/0574	09/03/77	50	3316	2727N	10152W	48.4	111.5		GGFG			31	41
2955-17492	00000/0000	2-10034/0811	09/03/77	50	3317	4852N	12038W	40.2	135.2		GGGG			49	26
2955-17495	00000/0000	2-10034/0812	09/03/77	60	3317	4727N	12107W	40.9	133.8		GGGG			49	27
2955-17501	00000/0000	2-10034/0813	09/03/77	70	3317	4602N	12142W	41.6	132.3		GFGG			49	28
2955-17504	00000/0000	2-10034/0814	09/03/77	90	3317	4437N	12215W	42.3	130.9		GGGG			49	29
2955-17510	00000/0000	2-10034/0819	09/03/77	50	3317	4312N	12247W	43.0	129.4		GG		H	49	30
2955-17513	00000/0000	2-10034/0815	09/03/77	20	3317	4147N	12318W	43.7	127.9		GGGG		H	49	31
2955-17515	00000/0000	2-10034/0816	09/03/77	20	3317	4021N	12349W	44.3	126.3		GGGG		H	49	32
2955-17522	00000/0000	2-10034/0817	09/03/77	70	3317	3855N	12418W	44.9	124.8		GGGG		H	49	33
2955-17524	00000/0000	2-10034/0818	09/03/77	90	3317	3729N	12446W	45.4	123.2		GGGG		H	49	34
2956-14292	00000/0000	2-10034/0582	09/04/77	30	3329	4602N	07129W	41.4	132.6		GGGG			14	28
2956-14295	00000/0000	2-10034/0583	09/04/77	30	3329	4437N	07202W	42.1	131.2		GGGG			14	29
2956-14301	00000/0000	2-10034/0584	09/04/77	30	3329	4312N	07234W	42.8	129.7		GGGG			14	30
2956-14304	00000/0000	2-10034/0585	09/04/77	20	3329	4147N	07304W	43.4	128.2		GGGG			14	31
2956-14310	00000/0000	2-10034/0586	09/04/77	30	3329	4021N	07334W	44.1	126.7		GFGG			14	32
2956-14313	00000/0000	2-10034/0587	09/04/77	40	3329	3855N	07403W	44.7	125.1		GGGG			14	33

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2956-14315	00000/0000	2-10034/0588	09/04/77	60	3329	3729N	07431W	45.2	123.6		3G			14	34
2956-14322	00000/0000	2-10034/0589	09/04/77	50	3329	3604N	07459W	45.8	122.0		GGG			14	35
2956-14324	00000/0000	2-10034/0590	09/04/77	40	3329	3438N	07526W	46.3	120.4		GGGG			14	36
2956-14331	00000/0000	2-10034/0591	09/04/77	50	3329	3312N	07551W	46.7	118.7		GGGG			14	37
2956-14333	00000/0000	2-10034/0592	09/04/77	90	3329	3146N	07616W	47.2	117.1		GGGG			14	38
2956-14340	00000/0000	2-10034/0593	09/04/77	90	3329	3020N	07641W	47.6	115.4		GGGG			14	39
2956-14342	00000/0000	2-10034/0594	09/04/77	90	3329	2854N	07706W	47.9	113.7		GGGG			14	40
2956-14345	00000/0000	2-10034/0595	09/04/77	80	3329	2728N	07730W	48.3	112.0		GGGG			14	41
2956-16115	00000/0000	2-10034/0627	09/04/77	100	3330	4852N	09606W	39.9	135.5		G GG			32	26
2956-16121	00000/0000	2-10034/0629	09/04/77	90	3330	4728N	09643W	40.6	134.1		GGFG			32	27
2956-16124	00000/0000	2-10034/0630	09/04/77	60	3330	4602N	09718W	41.4	132.7		GGGG			32	28
2956-16130	00000/0000	2-10034/0628	09/04/77	40	3330	4437N	09751W	42.1	131.2		G GG			32	29
2956-16133	00000/0000	2-10034/0631	09/04/77	40	3330	4312N	09823W	42.8	129.7		PFGG			32	30
2956-16135	00000/0000	2-10034/0632	09/04/77	10	3330	4146N	09854W	43.4	128.2		GGG			32	31
2956-16142	00000/0000	2-10034/0633	09/04/77	50	3330	4020N	09924W	44.0	126.7		GGGG			32	32
2956-16144	00000/0000	2-10034/0634	09/04/77	60	3330	3855N	09953W	44.6	125.2		GGGG			32	33
2956-16151	00000/0000	2-10034/0635	09/04/77	20	3330	3729N	10021W	45.2	123.6		FGFG			32	34
2956-16153	00000/0000	2-10034/0636	09/04/77	20	3330	3603N	10048W	45.8	122.0		GGGG			32	35
2956-16160	00000/0000	2-10034/0637	09/04/77	20	3330	3437N	10115W	46.3	120.4		GGGG			32	36
2956-16162	00000/0000	2-10034/0638	09/04/77	10	3330	3312N	10141W	46.7	118.8		GGG			32	37
2956-16165	00000/0000	2-10034/0639	09/04/77	10	3330	3145N	10205W	47.2	117.1		GGG			32	38
2956-16171	00000/0000	2-10034/0640	09/04/77	0	3330	3019N	10229W	47.6	115.4		GGGG			32	39
2956-16174	00000/0000	2-10034/0641	09/04/77	10	3330	2853N	10253W	47.9	113.7		GGGG			32	40
2956-16180	00000/0000	2-10034/0642	09/04/77	10	3330	2727N	10317W	48.2	112.0		GGGG			32	41
2956-17550	00000/0000	2-10034/0643	09/04/77	90	3331	4851N	12156W	39.9	135.5		GGGG			50	26
2956-17553	00000/0000	2-10034/0644	09/04/77	90	3331	4726N	12232W	40.6	134.1		GGFG			50	27
2956-17555	00000/0000	2-10034/0650	09/04/77	90	3331	4601N	12307W	41.4	132.7		GG		H	50	28
2956-17562	00000/0000	2-10034/0645	09/04/77	90	3331	4436N	12340W	42.1	131.2		GGGG		H	50	29
2956-17564	00000/0000	2-10034/0646	09/04/77	70	3331	4311N	12413W	42.7	129.7		GGGG		H	50	30
2956-17571	00000/0000	2-10034/0647	09/04/77	50	3331	4146N	12444W	43.4	128.2		GGGG		H	50	31
2956-17573	00000/0000	2-10034/0648	09/04/77	50	3331	4020N	12514W	44.0	126.7		GGGG		H	50	32
2956-17580	00000/0000	2-10034/0649	09/04/77	90	3331	3854N	12543W	44.6	125.2		GGGG		H	50	33
2957-14353	00000/0000	2-10034/0651	09/05/77	90	3343	4436N	07328W	41.8	131.5		GGGG			15	29
2957-14355	00000/0000	2-10034/0652	09/05/77	80	3343	4312N	07400W	42.5	130.1		GGGG			15	30
2957-14362	00000/0000	2-10034/0653	09/05/77	90	3343	4146N	07432W	43.2	128.6		GGGG			15	31
2957-14364	00000/0000	2-10034/0654	09/05/77	90	3343	4020N	07502W	43.8	127.1		GGGG			15	32

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2957-14371	00000/0000	2-10034/0655	09/05/77	70	3343	3854N	07532W	44.4	125.5		FOOF			15	33
2957-14373	00000/0000	2-10034/0656	09/05/77	10	3343	3729N	07559W	45.0	124.0		GOOF			15	34
2957-14380	00000/0000	2-10034/0657	09/05/77	60	3343	3603N	07627W	45.6	122.4		GGGG			15	35
2957-14382	00000/0000	2-10034/0658	09/05/77	80	3343	3437N	07653W	46.1	120.8		FGGG			15	36
2957-14385	00000/0000	2-10034/0659	09/05/77	90	3343	3311N	07719W	46.5	119.2		FGGG			15	37
2957-14391	00000/0000	2-10034/0660	09/05/77	100	3343	3145N	07744W	47.0	117.5		GGGG			15	38
2957-14394	00000/0000	2-10034/0661	09/05/77	70	3343	3019N	07808W	47.4	115.9		GGGF			15	39
2957-14400	00000/0000	2-10034/0662	09/05/77	60	3343	2852N	07832W	47.8	114.2		GGGG			15	40
2957-14403	00000/0000	2-10034/0663	09/05/77	60	3343	2726N	07856W	48.1	112.5		GGGG			15	41
2957-14405	00000/0000	2-10034/0664	09/05/77	40	3343	2601N	07920W	48.4	110.7		FGGG			15	42
2957-16173	00000/0000	2-10034/0697	09/05/77	90	3344	4851N	09732W	39.6	135.8		GGGG			33	26
2957-16175	00000/0000	2-10034/0698	09/05/77	40	3344	4726N	09809W	40.3	134.4		GGGG			33	27
2957-16182	00000/0000	2-10034/0699	09/05/77	10	3344	4601N	09843W	41.1	133.0		GGGG			33	28
2957-16184	00000/0000	2-10034/0700	09/05/77	10	3344	4436N	09917W	41.8	131.5		FGGG			33	29
2957-16191	00000/0000	2-10034/0701	09/05/77	0	3344	4311N	09949W	42.5	130.1		GGGG			33	30
2957-16193	00000/0000	2-10034/0702	09/05/77	20	3344	4145N	10020W	43.2	128.6		GGGG			33	31
2957-16200	00000/0000	2-10034/0703	09/05/77	80	3344	4020N	10050W	43.8	127.1		GGGG			33	32
2957-16202	00000/0000	2-10034/0704	09/05/77	80	3344	3854N	10119W	44.4	125.6		GGGG			33	33
2957-16205	00000/0000	2-10034/0705	09/05/77	80	3344	3728N	10147W	45.0	124.0		GGGG			33	34
2957-16211	00000/0000	2-10034/0706	09/05/77	70	3344	3602N	10215W	45.5	122.4		GGGG			33	35
2957-16214	00000/0000	2-10034/0707	09/05/77	70	3344	3437N	10241W	46.1	120.8		GGGG			33	36
2957-16220	00000/0000	2-10034/0708	09/05/77	10	3344	3311N	10307W	46.5	119.2		GGGG			33	37
2957-16223	00000/0000	2-10034/0709	09/05/77	10	3344	3145N	10332W	47.0	117.6		GGGG			33	38
2957-16225	00000/0000	2-10034/0710	09/05/77	60	3344	3019N	10356W	47.4	115.9		GGGG			33	39
2957-16232	00000/0000	2-10034/0711	09/05/77	50	3344	2853N	10420W	47.8	114.2		GGGG			33	40
2957-16234	00000/0000	2-10034/0712	09/05/77	10	3344	2727N	10444W	48.1	112.5		GGGG			33	41
2957-18004	00000/0000	2-10034/0729	09/05/77	40	3345	4853N	12321W	39.5	135.9		FGGG			51	26
2957-18011	00000/0000	2-10034/0730	09/05/77	40	3345	4729N	12357W	40.3	134.5		GGGG			51	27
2957-18013	00000/0000	2-10034/0731	09/05/77	30	3345	4604N	12432W	41.0	133.0		GGG			51	28
2957-18020	00000/0000	2-10034/0734	09/05/77	10	3345	4439N	12506W	41.8	131.6		GG		H	51	29
2957-18022	00000/0000	2-10034/0732	09/05/77	20	3345	4313N	12538W	42.5	130.1		GFG		H	51	30
2957-18025	00000/0000	2-10034/0733	09/05/77	20	3345	4148N	12609W	43.1	128.7		GGG		H	51	31
2958-14402	00000/0000	2-10034/0665	09/06/77	50	3357	4729N	07345W	40.1	134.7		GGGG			14	27
2958-14404	00000/0000	2-10034/0666	09/06/77	60	3357	4604N	07420W	40.8	133.3		GGGG			14	28
2958-14411	00000/0000	2-10034/0667	09/06/77	80	3357	4439N	07454W	41.5	131.9		GGGG			14	29
2958-14413	00000/0000	2-10034/0668	09/06/77	70	3357	4314N	07526W	42.2	130.5		GGGG			14	30

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2958-14420	00000/0000	2-10034/0669	09/06/77	80	3357	4149N	07558W	42.9	129.0		GGGG			16	31
2958-14422	00000/0000	2-10034/0670	09/06/77	60	3357	4023N	07628W	43.5	127.5		GGGG			16	32
2958-14425	00000/0000	2-10034/0671	09/06/77	40	3357	3858N	07657W	44.2	126.0		GGGG			16	33
2958-14431	00000/0000	2-10034/0672	09/06/77	50	3357	3732N	07725W	44.8	124.5		GGGG			16	34
2958-14434	00000/0000	2-10034/0673	09/06/77	50	3357	3606N	07753W	45.3	122.9		GGGG			16	35
2958-14440	00000/0000	2-10034/0674	09/06/77	70	3357	3440N	07819W	45.8	121.3		GGGG			16	36
2958-14443	00000/0000	2-10034/0675	09/06/77	50	3357	3314N	07845W	46.3	119.7		GGGG			16	37
2958-14445	00000/0000	2-10034/0676	09/06/77	20	3357	3147N	07909W	46.8	118.1		GGGG			16	38
2958-14452	00000/0000	2-10034/0677	09/06/77	30	3357	3021N	07934W	47.2	116.4		GGGG			16	39
2958-14454	00000/0000	2-10034/0678	09/06/77	30	3357	2855N	07958W	47.6	114.7		GGGG			16	40
2958-14461	00000/0000	2-10034/0679	09/06/77	40	3357	2729N	08021W	47.9	113.0		GGGG			16	41
2958-16231	00000/0000	2-10034/0751	09/06/77	80	3358	4854N	09857W	39.3	136.2		GGGG			34	26
2958-16233	00000/0000	2-10034/0752	09/06/77	90	3358	4729N	09933W	40.0	134.8		GGG			34	27
2958-16240	00000/0000	2-10034/0753	09/06/77	90	3358	4604N	10008W	40.8	133.4		GGG			34	28
2958-16242	00000/0000	2-10034/0754	09/06/77	30	3358	4438N	10042W	41.5	131.9		GGGG			34	29
2958-16245	00000/0000	2-10034/0755	09/06/77	10	3358	4313N	10115W	42.2	130.5		GGGG			34	30
2958-16251	00000/0000	2-10034/0756	09/06/77	0	3358	4147N	10146W	42.9	129.0		FFFF			34	31
2958-16254	00000/0000	2-10034/0757	09/06/77	0	3358	4022N	10215W	43.5	127.5		GGGG			34	32
2958-16260	00000/0000	2-10034/0758	09/06/77	0	3358	3857N	10244W	44.2	126.0		GGGG			34	33
2958-16263	00000/0000	2-10034/0759	09/06/77	0	3358	3731N	10312W	44.7	124.5		GGGG			34	34
2958-16265	00000/0000	2-10034/0760	09/06/77	10	3358	3606N	10340W	45.3	122.9		GGGG			34	35
2958-16272	00000/0000	2-10034/0761	09/06/77	10	3358	3439N	10406W	45.8	121.3		GGGG			34	36
2958-16274	00000/0000	2-10034/0762	09/06/77	20	3358	3313N	10432W	46.3	119.7		GGGG			34	37
2958-16281	00000/0000	2-10034/0763	09/06/77	40	3358	3147N	10457W	46.8	118.1		GGGG			34	38
2958-16283	00000/0000	2-10034/0764	09/06/77	40	3358	3021N	10521W	47.2	116.4		GGGG			34	39
2958-16290	00000/0000	2-10034/0765	09/06/77	30	3358	2856N	10545W	47.6	114.8		GGG			34	40
2958-18062	00000/0000	2-10034/0680	09/06/77	30	3359	4852N	12447W	39.2	136.2		GGGG			52	26
2958-18065	00000/0000	2-10034/0681	09/06/77	40	3359	4727N	12523W	40.0	134.8		GGFF			52	27
2958-18071	00000/0000	2-10034/0682	09/06/77	20	3359	4602N	12558W	40.8	133.4		GGGG			52	28
2959-16285	00000/0000	2-10034/0836	09/07/77	40	3372	4852N	10025W	39.0	136.5		GGGG			35	26
2959-16291	00000/0000	2-10034/0837	09/07/77	50	3372	4727N	10101W	39.7	135.1		GGGG			35	27
2959-16294	00000/0000	2-10034/0838	09/07/77	80	3372	4602N	10136W	40.5	133.7		GGGG			35	28
2959-16300	00000/0000	2-10034/0839	09/07/77	80	3372	4438N	10210W	41.2	132.3		GGGG			35	29
2959-16303	00000/0000	2-10034/0840	09/07/77	10	3372	4313N	10242W	41.9	130.8		GGGG			35	30
2959-16305	00000/0000	2-10034/0841	09/07/77	40	3372	4147N	10313W	42.6	129.4		GGGG			35	31
2959-16312	00000/0000	2-10034/0842	09/07/77	20	3372	4022N	10343W	43.3	127.9		GGGG			35	32

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2959-16314	00000/0000	2-10034/0843	09/07/77	10	3372	3856N	10412W	43.9	126.4		GGGG			35	33
2959-16321	00000/0000	2-10034/0844	09/07/77	10	3372	3730N	10440W	44.5	124.9		GGGG			35	34
2959-16323	00000/0000	2-10034/0845	09/07/77	10	3372	3605N	10507W	45.1	123.3		GGGG			35	35
2959-16330	00000/0000	2-10034/0846	09/07/77	10	3372	3438N	10533W	45.6	121.8		FFGG			35	36
2959-16332	00000/0000	2-10034/0847	09/07/77	10	3372	3312N	10559W	46.1	120.2		GGGG			35	37
2959-16335	00000/0000	2-10034/0848	09/07/77	10	3372	3147N	10623W	46.6	118.6		GGGF			35	38
2959-16341	00000/0000	2-10034/0849	09/07/77	10	3372	3021N	10648W	47.0	116.9		GGGG			35	39
2959-16344	00000/0000	2-10034/0850	09/07/77	60	3372	2854N	10712W	47.4	115.2		GGGG			35	40
2960-14523	00000/0000	2-10034/0916	09/08/77	20	3385	4437N	07745W	41.0	132.6		GGFG			18	29
2960-14525	00000/0000	2-10034/0917	09/08/77	10	3385	4312N	07817W	41.7	131.1		GGFG			18	30
2960-14532	00000/0000	2-10034/0918	09/08/77	60	3385	4146N	07848W	42.4	129.7		GGGG			18	31
2960-14534	00000/0000	2-10034/0919	09/08/77	70	3385	4021N	07918W	43.0	128.2		GGGG			18	32
2960-14541	00000/0000	2-10034/0920	09/08/77	60	3385	3855N	07947W	43.7	126.8		GGGG			18	33
2960-14543	00000/0000	2-10034/0921	09/08/77	90	3385	3730N	08015W	44.3	125.3		GGFG			18	34
2960-14550	00000/0000	2-10034/0922	09/08/77	90	3385	3604N	08042W	44.9	123.7		FGGG			18	35
2960-14552	00000/0000	2-10034/0923	09/08/77	90	3385	3438N	08108W	45.4	122.2		GGGG			18	36
2960-14555	00000/0000	2-10034/0924	09/08/77	80	3385	3312N	08134W	45.9	120.6		GGGG			18	37
2960-14561	00000/0000	2-10034/0925	09/08/77	60	3385	3146N	08159W	46.4	119.0		GGGG			18	38
2960-14564	00000/0000	2-10034/0926	09/08/77	50	3385	3019N	08224W	46.9	117.4		GGGG			18	39
2960-14570	00000/0000	2-10034/0927	09/08/77	30	3385	2853N	08248W	47.3	115.7		GGGF			18	40
2960-16343	00000/0000	2-10034/0851	09/08/77	90	3386	4854N	10148W	38.6	136.8		GGGG			36	26
2960-16345	00000/0000	2-10034/0852	09/08/77	70	3386	4729N	10225W	39.4	135.4		GGGG			36	27
2960-16352	00000/0000	2-10034/0853	09/08/77	70	3386	4604N	10300W	40.2	134.0		GGGG			36	28
2960-16354	00000/0000	2-10034/0854	09/08/77	30	3386	4439N	10333W	40.9	132.6		GGGG			36	29
2960-16361	00000/0000	2-10034/0855	09/08/77	10	3386	4314N	10406W	41.7	131.2		GGGG			36	30
2960-16363	00000/0000	2-10034/0856	09/08/77	10	3386	4149N	10437W	42.3	129.8		GGGG			36	31
2960-16370	00000/0000	2-10034/0857	09/08/77	10	3386	4023N	10507W	43.0	128.3		GGGG			36	32
2960-16372	00000/0000	2-10034/0858	09/08/77	10	3386	3858N	10537W	43.6	126.8		GGGG			36	33
2960-16375	00000/0000	2-10034/0859	09/08/77	10	3386	3732N	10605W	44.3	125.3		GGGG			36	34
2960-16381	00000/0000	2-10034/0860	09/08/77	10	3386	3606N	10632W	44.8	123.8		GGGG			36	35
2960-16384	00000/0000	2-10034/0861	09/08/77	0	3386	3441N	10659W	45.4	122.3		GGGG			36	36
2960-16390	00000/0000	2-10034/0862	09/08/77	0	3386	3315N	10724W	45.9	120.7		GGGG			36	37
2960-16393	00000/0000	2-10034/0863	09/08/77	0	3386	3149N	10749W	46.4	119.1		GGGG			36	38
2960-16395	00000/0000	2-10034/0864	09/08/77	10	3386	3023N	10813W	46.8	117.4		GGGG			36	39
2960-16402	00000/0000	2-10034/0865	09/08/77	10	3386	2856N	10838W	47.2	115.8		GGGG			36	40
2961-14581	00000/0000	2-10034/0946	09/09/77	60	3399	4440N	07911W	40.7	132.9		FGGG			19	29

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2961-14583	00000/0000	2-10034/0947	09/09/77	60	3399	4314N	07543W	41.4	131.5		GGGG			19	30
2961-14590	00000/0000	2-10034/0948	09/09/77	30	3399	4149N	08015W	42.1	130.1		GGGG			19	31
2961-14592	00000/0000	2-10034/0949	09/09/77	10	3399	4023N	08045W	42.8	128.7		GGGG			19	32
2961-14595	00000/0000	2-10034/0950	09/09/77	10	3399	3857N	08114W	43.4	127.2		GGGG			19	33
2961-15001	00000/0000	2-10034/0951	09/09/77	50	3399	3731N	08142W	44.0	125.7		GGGG			19	34
2961-15004	00000/0000	2-10034/0952	09/09/77	70	3399	3604N	08209W	44.6	124.2		GGGG			19	35
2961-15010	00000/0000	2-10034/0953	09/09/77	60	3399	34 0N	08235W	45.2	122.7		GGGG			19	36
2961-15013	00000/0000	2-10034/0954	09/09/77	70	3399	3314N	08301W	45.7	121.1		GGGG			19	37
2961-15015	00000/0000	2-10034/0955	09/09/77	40	3399	3149N	08326W	46.2	119.5		GGGG			19	38
2961-15022	00000/0000	2-10034/0956	09/09/77	10	3399	3023N	08351W	46.7	117.9		GGGG			19	39
2961-16401	00000/0000	2-10034/0866	09/09/77	10	3400	4854N	10316W	38.3	137.1		GGGG			37	26
2961-16404	00000/0000	2-10034/0867	09/09/77	10	3400	4728N	10353W	39.1	135.7		GGGG			37	27
2961-16410	00000/0000	2-10034/0868	09/09/77	10	3400	4603N	10428W	39.9	134.3		GGGG			37	28
2961-16413	00000/0000	2-10034/0869	09/09/77	10	3400	4438N	10501W	40.7	133.0		GGGG			37	29
2961-16415	00000/0000	2-10034/0870	09/09/77	0	3400	4313N	10534W	41.4	131.6		GGGG			37	30
2961-16422	00000/0000	2-10034/0871	09/09/77	0	3400	4147N	10606W	42.1	130.1		GGGG			37	31
2961-16424	00000/0000	2-10034/0872	09/09/77	20	3400	4022N	10636W	42.8	128.7		GGGG			37	32
2961-16431	00000/0000	2-10034/0873	09/09/77	30	3400	3856N	10705W	43.4	127.2		GGGG			37	33
2961-16433	00000/0000	2-10034/0874	09/09/77	20	3400	373ON	10732W	44.0	125.7		GGGG			37	34
2961-16440	00000/0000	2-10034/0875	09/09/77	20	3400	3605N	10759W	44.6	124.2		GGGG			37	35
2961-16442	00000/0000	2-10034/0876	09/09/77	10	3400	3439N	10825W	45.2	122.7		GGGG			37	36
2961-16445	00000/0000	2-10034/0877	09/09/77	10	3400	3313N	10851W	45.7	121.1		GGGG			37	37
2961-16451	00000/0000	2-10034/0878	09/09/77	10	3400	3147N	10916W	46.2	119.5		GGGG			37	38
2961-16454	00000/0000	2-10034/0879	09/09/77	10	3400	3021N	10941W	46.6	117.9		GGGG			37	39
2961-16460	00000/0000	2-10034/0880	09/09/77	10	3400	2855N	11004W	47.1	116.3		GGGF			37	40
2962-15033	00000/0000	2-10034/0957	09/10/77	90	3413	4604N	08004W	39.6	134.6		GGGG			20	28
2962-15035	00000/0000	2-10034/0958	09/10/77	70	3413	4438N	08038W	40.4	133.3		GFGG			20	29
2962-15042	00000/0000	2-10034/0959	09/10/77	50	3413	4312N	08110W	41.1	131.9		GGGG			20	30
2962-15044	00000/0000	2-10034/0960	09/10/77	30	3413	4147N	08141W	41.8	130.5		GGGG			20	31
2962-15051	00000/0000	2-10034/0961	09/10/77	10	3413	4022N	08211W	42.5	129.0		GGGG			20	32
2962-15053	00000/0000	2-10034/0962	09/10/77	20	3413	3856N	08240W	43.2	127.6		GGGG			20	33
2962-15060	00000/0000	2-10034/0963	09/10/77	90	3413	3731N	08307W	43.8	126.1		GGGG			20	34
2962-15062	00000/0000	2-10034/0964	09/10/77	60	3413	3604N	08334W	44.4	124.6		FGGG			20	35
2962-15065	00000/0000	2-10034/0965	09/10/77	90	3413	3439N	08401W	45.0	123.1		GGGG			20	36
2962-15071	00000/0000	2-10034/0966	09/10/77	40	3413	3314N	08427W	45.5	121.5		FGGG			20	37
2962-15074	00000/0000	2-10034/0967	09/10/77	10	3413	3148N	08452W	46.0	120.0		GGGG			20	38

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2962-15080	00000/0000	2-10034/0968	09/10/77	10	3413	3022N	08517W	46.5	118.4		GGG			20	39
2962-15083	00000/0000	2-10034/0969	09/10/77	20	3413	2855N	08541W	46.9	116.7		GG G			20	40
2962-16455	00000/0000	2-10034/0881	09/10/77	10	3414	4853N	10444W	38.0	137.4		GGGG			38	26
2962-16462	00000/0000	2-10034/0882	09/10/77	30	3414	4728N	10520W	38.8	136.0		GGGG			38	27
2962-16464	00000/0000	2-10034/0883	09/10/77	0	3414	4603N	10555W	39.6	134.7		GGGG			38	28
2962-16471	00000/0000	2-10034/0884	09/10/77	0	3414	4438N	10628W	40.4	133.3		GGGG			38	29
2962-16473	00000/0000	2-10034/0885	09/10/77	10	3414	4312N	10700W	41.1	131.9		GGGG			38	30
2962-16480	00000/0000	2-10034/0886	09/10/77	30	3414	4147N	10731W	41.8	130.5		GGGF			38	31
2962-16482	00000/0000	2-10034/0887	09/10/77	30	3414	4021N	10801W	42.5	129.1		GGGG			38	32
2962-16485	00000/0000	2-10034/0888	09/10/77	40	3414	3855N	10830W	43.2	127.6		GGGG			38	33
2962-16491	00000/0000	2-10034/0889	09/10/77	70	3414	3729N	10858W	43.8	126.1		GGGG			38	34
2962-16494	00000/0000	2-10034/0890	09/10/77	90	3414	3604N	10925W	44.4	124.6		GGGG			38	35
2962-16500	00000/0000	2-10034/0891	09/10/77	80	3414	3439N	10951W	45.0	123.1		GGGG			38	36
2962-16503	00000/0000	2-10034/0892	09/10/77	60	3414	3313N	11017W	45.5	121.6		GGGG			38	37
2962-16505	00000/0000	2-10034/0893	09/10/77	70	3414	3147N	11042W	46.0	120.0		GGGG			38	38
2962-16512	00000/0000	2-10034/0894	09/10/77	90	3414	3021N	11107W	46.5	118.4		GGGG			38	39
2963-15082	00000/0000	2-10034/0547	09/11/77	90	3427	4856N	08017W	37.7	137.7		GGGG			21	26
2963-15084	00000/0000	2-10034/0548	09/11/77	70	3427	4731N	08053W	38.5	136.4		GGGG			21	27
2963-15091	00000/0000	2-10034/0549	09/11/77	20	3427	4606N	08128W	39.3	135.0		GGGG			21	28
2963-15093	00000/0000	2-10034/0550	09/11/77	30	3427	4441N	08202W	40.1	133.7		GGGG			21	29
2963-15100	00000/0000	2-10034/0551	09/11/77	30	3427	4315N	08234W	40.8	132.3		GGGG			21	30
2963-15102	00000/0000	2-10034/0552	09/11/77	20	3427	4150N	08306W	41.5	130.9		GGGG			21	31
2963-15105	00000/0000	2-10034/0553	09/11/77	20	3427	4024N	08336W	42.2	129.5		GGGG			21	32
2963-15111	00000/0000	2-10034/0554	09/11/77	20	3427	3859N	08405W	42.9	128.0		GGGG			21	33
2963-15114	00000/0000	2-10034/0555	09/11/77	10	3427	3733N	08433W	43.5	126.6		GGFG			21	34
2963-15120	00000/0000	2-10034/0556	09/11/77	0	3427	3608N	08500W	44.1	125.1		GGGG			21	35
2963-15123	00000/0000	2-10034/0557	09/11/77	0	3427	3442N	08527W	44.7	123.6		GGGG			21	36
2963-15125	00000/0000	2-10034/0558	09/11/77	10	3427	3316N	08553W	45.3	122.0		GGGG			21	37
2963-15132	00000/0000	2-10034/0559	09/11/77	30	3427	3151N	08618W	45.8	120.5		GGGG			21	38
2963-15134	00000/0000	2-10034/0560	09/11/77	30	3427	3024N	08642W	46.3	118.9		GGGG			21	39
2963-16513	00000/0000	2-10034/0683	09/11/77	40	3428	4855N	10607W	37.7	137.7		GGGG			39	26
2963-16520	00000/0000	2-10034/0684	09/11/77	30	3428	4730N	10643W	38.5	136.4		GGGG			39	27
2963-16522	00000/0000	2-10034/0685	09/11/77	20	3428	4605N	10718W	39.3	135.0		GGGG			39	28
2963-16525	00000/0000	2-10034/0686	09/11/77	10	3428	4440N	10751W	40.1	133.7		GGGG			39	29
2963-16531	00000/0000	2-10034/0687	09/11/77	40	3428	4314N	10824W	40.8	132.3		GGGG			39	30
2963-16534	00000/0000	2-10034/0688	09/11/77	60	3428	4149N	10855W	41.5	130.9		GGGG			39	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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2963-16540	00000/0000	2-10034/0689	09/11/77	100	3428	4023N	10925W	42.2	129.5		GGFG			39	32
2963-16543	00000/0000	2-10034/0690	09/11/77	90	3428	3857N	10954W	42.9	128.1		GGGG			39	33
2963-16545	00000/0000	2-10034/0691	09/11/77	80	3428	3732N	11022W	43.5	126.6		GGGG			39	34
2963-16552	00000/0000	2-10034/0692	09/11/77	90	3428	3606N	11049W	44.1	125.1		GGGG			39	35
2963-16554	00000/0000	2-10034/0693	09/11/77	40	3428	3441N	11115W	44.7	123.6		GGGG			39	36
2963-16561	00000/0000	2-10034/0694	09/11/77	40	3428	3315N	11141W	45.3	122.1		GGGG			39	37
2963-16563	00000/0000	2-10034/0695	09/11/77	40	3428	3149N	11207W	45.8	120.6		GGGG			39	38
2963-16570	00000/0000	2-10034/0696	09/11/77	10	3428	3022N	11232W	46.3	118.9		GGGG			39	39
2964-16574	00000/0000	2-10034/1006	09/12/77	10	3442	4730N	10808W	38.2	136.7		FGGG			40	27
2964-16580	00000/0000	2-10034/1007	09/12/77	10	3442	4604N	10843W	39.0	135.3		GGGG			40	28
2964-16583	00000/0000	2-10034/1008	09/12/77	30	3442	4439N	10917W	39.8	134.0		GGGG			40	29
2964-16585	00000/0000	2-10034/1009	09/12/77	30	3442	4314N	10950W	40.5	132.6		GGGG			40	30
2964-16592	00000/0000	2-10034/1010	09/12/77	20	3442	4148N	11021W	41.3	131.3		GGGG			40	31
2964-16594	00000/0000	2-10034/1011	09/12/77	30	3442	4022N	11051W	42.0	129.9		GGGG			40	32
2964-17001	00000/0000	2-10034/1012	09/12/77	30	3442	3857N	11120W	42.6	128.4		GGGG			40	33
2964-17003	00000/0000	2-10034/1013	09/12/77	30	3442	3731N	11149W	43.3	127.0		GGGG			40	34
2964-17010	00000/0000	2-10034/1014	09/12/77	40	3442	3605N	11216W	43.9	125.5		GGGG			40	35
2964-17015	00000/0000	2-10034/1015	09/12/77	10	3442	3315N	11309W	45.0	122.5		GGGG			40	37
2964-17021	00000/0000	2-10034/1016	09/12/77	10	3442	3149N	11334W	45.6	121.0		GGGG			40	38
2964-17024	00000/0000	2-10034/1017	09/12/77	10	3442	3021N	11359W	46.1	119.4		GGGG			40	39
2965-15194	00000/0000	2-10034/1031	09/13/77	80	3455	4854N	08311W	37.1	138.3		GGGG			23	26
2965-15200	00000/0000	2-10034/1032	09/13/77	90	3455	4730N	08348W	37.9	137.0		GGGG			23	27
2965-15203	00000/0000	2-10034/1033	09/13/77	90	3455	4604N	08423W	38.7	135.6		GGGG			23	28
2965-15205	00000/0000	2-10034/1034	09/13/77	90	3455	4439N	08456W	39.5	134.3		GGGG			23	29
2965-15212	00000/0000	2-10034/1035	09/13/77	90	3455	4314N	08528W	40.3	133.0		FGGG			23	30
2965-15214	00000/0000	2-10034/1036	09/13/77	90	3455	4148N	08559W	41.0	131.6		FFFF			23	31
2965-15221	00000/0000	2-10034/1037	09/13/77	90	3455	4022N	08629W	41.7	130.2		GGGG			23	32
2965-15223	00000/0000	2-10034/1038	09/13/77	80	3455	3857N	08658W	42.4	128.8		GGGG			23	33
2965-15230	00000/0000	2-10034/1039	09/13/77	90	3455	3731N	08726W	43.0	127.4		FGGG			23	34
2965-15232	00000/0000	2-10034/1040	09/13/77	90	3455	3606N	08753W	43.7	125.9		GGGG			23	35
2965-15235	00000/0000	2-10034/1041	09/13/77	80	3455	3440N	08820W	44.3	124.4		GFGG			23	36
2965-15241	00000/0000	2-10034/1042	09/13/77	80	3455	3313N	08846W	44.8	122.9		GGGG			23	37
2965-15244	00000/0000	2-10034/1043	09/13/77	70	3455	3148N	08911W	45.4	121.4		GGGG			23	38
2965-17025	00000/0000	2-10034/1018	09/13/77	0	3456	4854N	10858W	37.1	138.3		GGGG			41	26
2965-17032	00000/0000	2-10034/1019	09/13/77	0	3456	4729N	10935W	37.9	137.0		3GG			41	27
2965-17034	00000/0000	2-10034/1020	09/13/77	0	3456	4604N	11010W	38.7	135.7		GGGG			41	28

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2965-17041	00000/0000	2-10034/1021	09/13/77	10	3456	4439N	11043W	39.5	134.3		GGGG			41	29
2965-17043	00000/0000	2-10034/1022	09/13/77	0	3456	4314N	11116W	40.3	133.0		GGF			41	30
2965-17050	00000/0000	2-10034/1023	09/13/77	0	3456	4148N	11147W	41.0	131.6		GGGG			41	31
2965-17052	00000/0000	2-10034/1024	09/13/77	0	3456	4022N	11217W	41.7	130.2		GGG			41	32
2965-17055	00000/0000	2-10034/1025	09/13/77	10	3456	3857N	11246W	42.4	128.8		GGGG			41	33
2965-17061	00000/0000	2-10034/1026	09/13/77	10	3456	3731N	11314W	43.0	127.4		GGG			41	34
2965-17064	00000/0000	2-10034/1027	09/13/77	10	3456	3606N	11341W	43.7	125.9		GGGG			41	35
2965-17070	00000/0000	2-10034/1028	09/13/77	20	3456	3439N	11408W	44.3	124.5		GGGG			41	36
2965-17073	00000/0000	2-10034/1029	09/13/77	10	3456	3313N	11433W	44.8	123.0		GGGG			41	37
2965-17075	00000/0000	2-10034/1030	09/13/77	0	3456	3147N	11458W	45.4	121.4		GGGG			41	38
2966-15252	00000/0000	2-10034/1092	09/14/77	0	3469	4853N	08439W	36.3	138.5		FGGG			24	26
2966-15254	00000/0000	2-10034/1093	09/14/77	10	3469	4728N	08515W	37.6	137.2		FFGF			24	27
2966-15261	00000/0000	2-10034/1094	09/14/77	10	3469	4603N	08550W	38.4	135.9		GGGG			24	28
2966-15263	00000/0000	2-10034/1095	09/14/77	10	3469	4438N	08623W	39.2	134.6		GFFG			24	29
2966-15270	00000/0000	2-10034/1096	09/14/77	10	3469	4313N	08655W	40.0	133.3		FGFF			24	30
2966-15272	00000/0000	2-10034/1097	09/14/77	20	3469	4148N	08726W	40.7	132.0		GGGG			24	31
2966-15275	00000/0000	2-10034/1098	09/14/77	30	3469	4022N	08756W	41.4	130.6		GGGG			24	32
2966-15281	00000/0000	2-10034/1099	09/14/77	50	3469	3856N	08825W	42.1	129.2		GGGG			24	33
2966-15284	00000/0000	2-10034/1100	09/14/77	90	3469	3730N	08853W	42.8	127.8		GFGG			24	34
2966-15290	00000/0000	2-10034/1101	09/14/77	90	3469	3604N	08920W	43.4	126.3		GFGF			24	35
2966-15293	00000/0000	2-10034/1102	09/14/77	90	3469	3438N	08947W	44.0	124.9		GGGG			24	36
2966-15295	00000/0000	2-10034/1103	09/14/77	90	3469	3312N	09013W	44.6	123.4		GGGG			24	37
2966-17083	00000/0000	2-10034/1183	09/14/77	10	3470	4854N	11025W	36.8	138.6		GGGG			42	26
2966-17090	00000/0000	2-10034/1184	09/14/77	20	3470	4729N	11102W	37.6	137.3		GGGG			42	27
2966-17092	00000/0000	2-10034/1185	09/14/77	10	3470	4603N	11137W	38.4	136.0		GGGG			42	28
2966-17095	00000/0000	2-10034/1186	09/14/77	10	3470	4438N	11210W	39.2	134.7		GGGG			42	29
2966-17101	00000/0000	2-10034/1187	09/14/77	60	3470	4312N	11242W	40.0	133.3		GGGG			42	30
2966-17104	00000/0000	2-10034/1188	09/14/77	70	3470	4147N	11313W	40.7	132.0		GGGG			42	31
2966-17110	00000/0000	2-10034/1189	09/14/77	50	3470	4022N	11343W	41.4	130.6		GGGG			42	32
2966-17113	00000/0000	2-10034/1190	09/14/77	30	3470	3856N	11412W	42.1	129.2		GGGG			42	33
2966-17115	00000/0000	2-10034/1191	09/14/77	40	3470	3730N	11440W	42.8	127.8		GGGG			42	34
2966-17122	00000/0000	2-10034/1192	09/14/77	40	3470	3605N	11507W	43.4	126.4		GGGG			42	35
2966-17124	00000/0000	2-10034/1193	09/14/77	10	3470	3438N	11533W	44.0	124.9		GGGG			42	36
2966-17131	00000/0000	2-10034/1194	09/14/77	10	3470	3312N	11559W	44.6	123.4		GGGG			42	37
2966-17133	00000/0000	2-10034/1195	09/14/77	30	3470	3147N	11624W	45.2	121.9		GGGG			42	38
2967-15310	00000/0000	2-10034/1044	09/15/77	20	3483	4853N	08603W	36.5	138.8		FFFF			25	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-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2967-15312	00000/0000	2-10034/1045	09/15/77	30	3483	4728N	08639W	37.3	137.5		GGGG			25	27
2967-15315	00000/0000	2-10034/1046	09/15/77	90	3483	4603N	08714W	38.1	136.3		GGGG			25	28
2967-15321	00000/0000	2-10034/1047	09/15/77	90	3483	4438N	08747W	38.9	135.0		GGGG			25	29
2967-15324	00000/0000	2-10034/1048	09/15/77	100	3483	4313N	08819W	39.7	133.6		GGGG			25	30
2967-15330	00000/0000	2-10034/1049	09/15/77	100	3483	4147N	08850W	40.5	132.3		GGGG			25	31
2967-15333	00000/0000	2-10034/1050	09/15/77	90	3483	4022N	08920W	41.2	131.0		GGGG			25	32
2967-15335	00000/0000	2-10034/1051	09/15/77	80	3483	3856N	08949W	41.9	129.6		GGGG			25	33
2967-15342	00000/0000	2-10034/1052	09/15/77	80	3483	3730N	09017W	42.6	128.2		GGGG			25	34
2967-15344	00000/0000	2-10034/1053	09/15/77	50	3483	3604N	09044W	43.2	126.8		GGGG			25	35
2967-15351	00000/0000	2-10034/1054	09/15/77	40	3483	3438N	09111W	43.8	125.3		GGGG			25	36
2967-15353	00000/0000	2-10034/1055	09/15/77	60	3483	3313N	09136W	44.4	123.8		GGGG			25	37
2967-17141	00000/0000	2-10034/1122	09/15/77	90	3484	4856N	11150W	36.5	138.9		GGGG			43	26
2967-17144	00000/0000	2-10034/1123	09/15/77	90	3484	4732N	11226W	37.3	137.6		GGGG			43	27
2967-17150	00000/0000	2-10034/1124	09/15/77	90	3484	4607N	11301W	38.1	136.3		GGGG			43	28
2967-17153	00000/0000	2-10034/1125	09/15/77	80	3484	4441N	11336W	38.9	135.0		GGGG			43	29
2967-17155	00000/0000	2-10034/1126	09/15/77	20	3484	4315N	11408W	39.7	133.7		GGGG			43	30
2967-17162	00000/0000	2-10034/1127	09/15/77	20	3484	4150N	11439W	40.4	132.4		GGGG			43	31
2967-17164	00000/0000	2-10034/1128	09/15/77	20	3484	4024N	11509W	41.1	131.0		GGGG			43	32
2967-17171	00000/0000	2-10034/1129	09/15/77	10	3484	3859N	11537W	41.8	129.7		GGGG			43	33
2967-17173	00000/0000	2-10034/1130	09/15/77	0	3484	3734N	11605W	42.5	128.3		GGGG			43	34
2967-17180	00000/0000	2-10034/1131	09/15/77	0	3484	3609N	11633W	43.2	126.8		GGGG			43	35
2967-17182	00000/0000	2-10034/1132	09/15/77	10	3484	3442N	11700W	43.8	125.4		GGGG			43	36
2967-17185	00000/0000	2-10034/1133	09/15/77	50	3484	3316N	11725W	44.4	123.9		GGGG			43	37
2967-17191	00000/0000	2-10034/1134	09/15/77	70	3484	3150N	11751W	44.9	122.4		GGGG			43	38
2968-15364	00000/0000	2-10034/1135	09/16/77	30	3497	4857N	08727W	36.2	139.2		GGGG			26	26
2968-15370	00000/0000	2-10034/1136	09/16/77	70	3497	4732N	08804W	37.0	137.9		GGGG			26	27
2968-15373	00000/0000	2-10034/1137	09/16/77	100	3497	4607N	08838W	37.8	136.6		GGGG			26	28
2968-15375	00000/0000	2-10034/1138	09/16/77	100	3497	4441N	08912W	38.6	135.3		GGGG			26	29
2968-15382	00000/0000	2-10034/1139	09/16/77	100	3497	4316N	08945W	39.4	134.0		GGGG			26	30
2968-15384	00000/0000	2-10034/1140	09/16/77	100	3497	4150N	09016W	40.1	132.7		GGGG			26	31
2968-15391	00000/0000	2-10034/1141	09/16/77	90	3497	4024N	09046W	40.9	131.4		GGGG			26	32
2968-15393	00000/0000	2-10034/1142	09/16/77	60	3497	3859N	09115W	41.6	130.0		GGGG			26	33
2968-15400	00000/0000	2-10034/1143	09/16/77	40	3497	3733N	09143W	42.3	128.6		GGGG			26	34
2968-15402	00000/0000	2-10034/1144	09/16/77	40	3497	3608N	09211W	42.9	127.2		GGGG			26	35
2968-15405	00000/0000	2-10034/1145	09/16/77	80	3497	3442N	09237W	43.6	125.8		GGGG			26	36
2968-15411	00000/0000	2-10034/1146	09/16/77	90	3497	3315N	09303W	44.2	124.3		GGGG			26	37

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2968-15414	00000/0000	2-10034/1147	09/16/77	90	3497	3149N	09328W	44.7	122.8		GGGG			26	38
2968-15420	00000/0000	2-10034/1210	09/16/77	60	3497	3023N	09353W	45.3	121.3		GGGG			26	39
2968-15423	00000/0000	2-10034/1211	09/16/77	30	3497	2856N	09417W	45.8	119.8		GGGG			26	40
2968-15425	00000/0000	2-10034/1212	09/16/77	30	3497	2730N	09441W	46.2	118.2		GGGG			26	41
2968-15432	00000/0000	2-10034/1213	09/16/77	30	3497	2604N	09503W	46.7	116.6		GGGG			26	42
2968-15434	00000/0000	2-10034/1214	09/16/77	20	3497	2438N	09525W	47.1	115.0		GGGG			26	43
2968-17200	00000/0000	2-10034/1215	09/16/77	90	3498	4855N	11317W	36.1	139.2		GGGG			44	26
2968-17202	00000/0000	2-10034/1216	09/16/77	80	3498	4730N	11353W	37.0	137.9		GGG			44	27
2968-17205	00000/0000	2-10034/1217	09/16/77	80	3498	4605N	11428W	37.8	136.6		GGG			44	28
2968-17211	00000/0000	2-10034/1218	09/16/77	90	3498	4439N	11502W	38.6	135.4		FF G			44	29
2968-17214	00000/0000	2-10034/1219	09/16/77	90	3498	4314N	11534W	39.4	134.1		GGGG			44	30
2968-17220	00000/0000	2-10034/1220	09/16/77	80	3498	4149N	11605W	40.1	132.7		GGGG			44	31
2968-17223	00000/0000	2-10034/1221	09/16/77	70	3498	4023N	11635W	40.9	131.4		GGGG			44	32
2968-17225	00000/0000	2-10034/1222	09/16/77	50	3498	3858N	11704W	41.6	130.0		GGGG			44	33
2968-17232	00000/0000	2-10034/1223	09/16/77	10	3498	3732N	11732W	42.3	128.7		GGGG			44	34
2968-17234	00000/0000	2-10034/1224	09/16/77	20	3498	3607N	11759W	42.9	127.2		GGGG			44	35
2968-17241	00000/0000	2-10034/1225	09/16/77	40	3498	3441N	11825W	43.5	125.8		GGGG			44	36
2968-17243	00000/0000	2-10034/1226	09/16/77	40	3498	3315N	11851W	44.1	124.3		GGGG			44	37
2969-15422	00000/0000	2-10034/1227	09/17/77	90	3511	4855N	08854W	35.8	139.4		GFGG			27	26
2969-15425	00000/0000	2-10034/1228	09/17/77	90	3511	4731N	08931W	36.7	138.2		GGGG			27	27
2969-15431	00000/0000	2-10034/1229	09/17/77	80	3511	4606N	09006W	37.5	136.9		GGGG			27	28
2969-15434	00000/0000	2-10034/1230	09/17/77	100	3511	4441N	09040W	38.3	135.7		GGGG			27	29
2969-15440	00000/0000	2-10034/1231	09/17/77	80	3511	4315N	09112W	39.1	134.4		GGGG			27	30
2969-15443	00000/0000	2-10034/1232	09/17/77	50	3511	4150N	09143W	39.9	133.1		GGGG			27	31
2969-15445	00000/0000	2-10034/1233	09/17/77	70	3511	4024N	09213W	40.6	131.7		GGGG			27	32
2969-15452	00000/0000	2-10034/1234	09/17/77	60	3511	3859N	09242W	41.3	130.4		GGGG			27	33
2969-15454	00000/0000	2-10034/1235	09/17/77	30	3511	3733N	09310W	42.0	129.0		GGGG			27	34
2969-15461	00000/0000	2-10034/1236	09/17/77	30	3511	3606N	09337W	42.7	127.6		GGGG			27	35
2969-15463	00000/0000	2-10034/1237	09/17/77	60	3511	3441N	09404W	43.3	126.2		GGGG			27	36
2969-15470	00000/0000	2-10034/1238	09/17/77	60	3511	3315N	09429W	43.9	124.8		GGGG			27	37
2969-15472	00000/0000	2-10034/1251	09/17/77	60	3511	3146N	09454W	44.5	123.3		GGGG			27	38
2969-15475	00000/0000	2-10034/1252	09/17/77	60	3511	3022N	09519W	45.1	121.8		GGGG			27	39
2969-15481	00000/0000	2-10034/1253	09/17/77	40	3511	2855N	09543W	45.6	120.2		GGGG			27	40
2969-15484	00000/0000	2-10034/1254	09/17/77	40	3511	2729N	09606W	46.1	118.7		GGGF			27	41
2969-15490	00000/0000	2-10034/1255	09/17/77	30	3511	2603N	09630W	46.5	117.1		GGGG			27	42
2969-15493	00000/0000	2-10034/1256	09/17/77	30	3511	2436N	09653W	46.9	115.5		GGGG			27	43

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2969-17254	00000/0000	2-10034/1239	09/17/77	90	3512	4856N	11442W	35.8	139.5		GGGG			45	26
2969-17260	00000/0000	2-10034/1240	09/17/77	90	3512	4730N	11519W	36.7	138.2		GGGG			45	27
2969-17263	00000/0000	2-10034/1241	09/17/77	50	3512	4605N	11554W	37.5	136.9		GGGG			45	28
2969-17265	00000/0000	2-10034/1242	09/17/77	40	3512	4440N	11628W	38.3	135.7		GGGG			45	29
2969-17272	00000/0000	2-10034/1243	09/17/77	30	3512	4315N	11700W	39.1	134.4		GGGG			45	30
2969-17274	00000/0000	2-10034/1244	09/17/77	40	3512	4149N	11731W	39.8	133.1		GGGG			45	31
2969-17281	00000/0000	2-10034/1245	09/17/77	30	3512	4023N	11801W	40.6	131.8		GGGG			45	32
2969-17283	00000/0000	2-10034/1246	09/17/77	20	3512	3858N	11830W	41.3	130.4		GGGG			45	33
2969-17290	00000/0000	2-10034/1247	09/17/77	10	3512	3732N	11858W	42.0	129.0		GGGG			45	34
2969-17292	00000/0000	2-10034/1248	09/17/77	10	3512	3607N	11925W	42.7	127.6		GGGG			45	35
2969-17295	00000/0000	2-10034/1249	09/17/77	10	3512	3441N	11952W	43.3	126.2		FFGG			45	36
2969-17301	00000/0000	2-10034/1250	09/17/77	20	3512	3314N	12018W	43.9	124.8		GGGF			45	37
2970-15480	00000/0000	2-10034/1338	09/18/77	90	3525	4855N	09021W	35.5	139.7		GGGG			28	26
2970-15483	00000/0000	2-10034/1339	09/18/77	90	3525	4731N	09057W	36.4	138.5		GGGF			28	27
2970-15485	00000/0000	2-10034/1340	09/18/77	90	3525	4605N	09132W	37.2	137.2		GGGG			28	28
2970-15492	00000/0000	2-10034/1341	09/18/77	80	3525	4440N	09206W	38.0	136.0		GGGG			28	29
2970-15494	00000/0000	2-10034/1342	09/18/77	70	3525	4315N	09238W	38.8	134.7		GGGG			28	30
2970-15501	00000/0000	2-10034/1343	09/18/77	70	3525	4150N	09310W	39.6	133.4		GGGG			28	31
2970-15503	00000/0000	2-10034/1344	09/18/77	60	3525	4024N	09340W	40.3	132.1		FGGG			28	32
2970-15510	00000/0000	2-10034/1345	09/18/77	50	3525	3858N	09409W	41.1	130.8		GGFF			28	33
2970-15512	00000/0000	2-10034/1346	09/18/77	40	3525	3732N	09436W	41.8	129.4		GGGG			28	34
2970-15515	00000/0000	2-10034/1347	09/18/77	50	3525	3607N	09503W	42.4	128.0		GGGG			28	35
2970-15521	00000/0000	2-10034/1348	09/18/77	50	3525	3441N	09529W	43.1	126.6		GGGG			28	36
2970-15524	00000/0000	2-10034/1349	09/18/77	50	3525	3314N	09555W	43.7	125.2		GGGG			28	37
2970-15530	00000/0000	2-10034/1333	09/18/77	50	3525	3148N	09620W	44.3	123.7		GGGG			28	38
2970-15533	00000/0000	2-10034/1334	09/18/77	50	3525	3022N	09644W	44.9	122.2		GGGG			28	39
2970-15535	00000/0000	2-10034/1335	09/18/77	50	3525	2856N	09708W	45.4	120.7		GGGG			28	40
2970-15542	00000/0000	2-10034/1336	09/18/77	40	3525	2730N	09732W	45.9	119.2		GGGG			28	41
2970-15544	00000/0000	2-10034/1337	09/18/77	30	3525	2603N	09755W	46.3	117.6		GGGG			28	42
2970-17312	00000/0000	2-10034/1377	09/18/77	90	3526	4855N	11611W	35.5	139.7		GGGG			46	26
2970-17314	00000/0000	2-10034/1378	09/18/77	90	3526	4730N	11647W	36.4	138.5		GGGG			46	27
2970-17321	00000/0000	2-10034/1379	09/18/77	60	3526	4604N	11722W	37.2	137.3		GGGG			46	28
2970-17323	00000/0000	2-10034/1380	09/18/77	50	3526	4439N	11755W	38.0	136.0		GGGG			46	29
2970-17330	00000/0000	2-10034/1381	09/18/77	50	3526	4315N	11828W	38.8	134.7		GGGG			46	30
2970-17332	00000/0000	2-10034/1382	09/18/77	40	3526	4149N	11859W	39.6	133.4		GGGG			46	31
2970-17335	00000/0000	2-10034/1383	09/18/77	20	3526	4023N	11929W	40.3	132.1		GGGG			46	32

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2970-17341	00000/0000	2-10034/1384	09/18/77	10	3526	3856N	11959W	41.0	130.8		GGGG			46	33
2970-17344	00000/0000	2-10034/1385	09/18/77	10	3526	3732N	12027W	41.7	129.4		GGGG			46	34
2970-17350	00000/0000	2-10034/1386	09/18/77	10	3526	3606N	12055W	42.4	128.1		GGGG			46	35
2970-17353	00000/0000	2-10034/1387	09/18/77	30	3526	3440N	12121W	43.1	126.7		GGGG			46	36
2970-17355	00000/0000	2-10034/1388	09/18/77	40	3526	3315N	12147W	43.7	125.2		GGGG			46	37
2971-14105	00000/0000	2-10034/1292	09/19/77	70	3538	4730N	06634W	36.1	138.8		GGGG			11	27
2971-14112	00000/0000	2-10034/1293	09/19/77	70	3538	4606N	06709W	36.9	137.5		GGFG			11	28
2971-14114	00000/0000	2-10034/1294	09/19/77	70	3538	4441N	06743W	37.7	136.3		GGGG			11	29
2971-14121	00000/0000	2-10034/1295	09/19/77	90	3538	4315N	06814W	38.5	135.0		GGFG			11	30
2971-14123	00000/0000	2-10034/1296	09/19/77	80	3538	4150N	06845W	39.3	133.7		GGGG			11	31
2971-14130	00000/0000	2-10034/1297	09/19/77	60	3538	4025N	06915W	40.1	132.4		GGGF			11	32
2971-15534	00000/0000	2-10034/1298	09/19/77	100	3539	4855N	09148W	35.2	140.0		GGF			29	26
2971-15541	00000/0000	2-10034/1299	09/19/77	90	3539	4729N	09224W	36.1	138.8		GGG			29	27
2971-15543	00000/0000	2-10034/1300	09/19/77	80	3539	4604N	09259W	36.9	137.5		GGGP			29	28
2971-15550	00000/0000	2-10034/1301	09/19/77	90	3539	4440N	09333W	37.7	136.3		GGGP			29	29
2971-15552	00000/0000	2-10034/1302	09/19/77	90	3539	4314N	09405W	38.5	135.0		GGGF			29	30
2971-15555	00000/0000	2-10034/1303	09/19/77	50	3539	4149N	09436W	39.3	133.8		GGGF			29	31
2971-15561	00000/0000	2-10034/1304	09/19/77	40	3539	4023N	09506W	40.1	132.5		GGGF			29	32
2971-15564	00000/0000	2-10034/1305	09/19/77	10	3539	3858N	09535W	40.8	131.1		GGGF			29	33
2971-15570	00000/0000	2-10034/1273	09/19/77	0	3539	3733N	09602W	41.5	129.8		FGGG			29	34
2971-15573	00000/0000	2-10034/1274	09/19/77	0	3539	3606N	09629W	42.2	128.4		GGG			29	35
2971-15575	00000/0000	2-10034/1275	09/19/77	0	3539	3439N	09655W	42.8	127.0		GGG			29	36
2971-15582	00000/0000	2-10034/1276	09/19/77	10	3539	3314N	09720W	43.5	125.6		GGGG			29	37
2971-15584	00000/0000	2-10034/1277	09/19/77	20	3539	3148N	09746W	44.1	124.2		GGGG			29	38
2971-15591	00000/0000	2-10034/1278	09/19/77	20	3539	3022N	09810W	44.6	122.7		GGGG			29	39
2971-15593	00000/0000	2-10034/1279	09/19/77	10	3539	2855N	09834W	45.2	121.2		GGGG			29	40
2971-16000	00000/0000	2-10034/1280	09/19/77	30	3539	2728N	09858W	45.7	119.7		GGGG			29	41
2971-16002	00000/0000	2-10034/1281	09/19/77	10	3539	2602N	09922W	46.2	118.1		GGGG			29	42
2971-17372	00000/0000	2-10034/1282	09/19/77	100	3540	4730N	11811W	36.0	138.8		GGGG			47	27
2971-17375	00000/0000	2-10034/1283	09/19/77	100	3540	4605N	11846W	36.9	137.6		GGGG			47	28
2971-17381	00000/0000	2-10034/1284	09/19/77	90	3540	4440N	11920W	37.7	136.3		GGGG			47	29
2971-17384	00000/0000	2-10034/1285	09/19/77	80	3540	4314N	11953W	38.5	135.1		GGGG			47	30
2971-17390	00000/0000	2-10034/1286	09/19/77	80	3540	4149N	12024W	39.3	133.8		GGGG			47	31
2971-17393	00000/0000	2-10034/1287	09/19/77	80	3540	4024N	12054W	40.0	132.5		GGGG			47	32
2971-17395	00000/0000	2-10034/1288	09/19/77	80	3540	3858N	12124W	40.8	131.2		GGGG			47	33
2971-17402	00000/0000	2-10034/1289	09/19/77	70	3540	3732N	12152W	41.5	129.8		GGGG			47	34

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
2971-17404	00000/0000	2-10034/1290	09/19/77	50	3540	3606N	12219W	42.2	128.5		GGG			47	35
2971-17411	00000/0000	2-10034/1291	09/19/77	50	3540	3440N	12245W	42.8	127.1		GGGG			47	36
2972-14163	00000/0000	2-10034/1306	09/20/77	50	3552	4730N	06801W	35.8	139.1		GGGG			12	27
2972-14170	00000/0000	2-10034/1307	09/20/77	90	3552	4605N	06835W	36.6	137.8		GGGG			12	28
2972-14172	00000/0000	2-10034/1308	09/20/77	90	3552	4440N	06909W	37.4	136.6		GGGG			12	29
2972-14175	00000/0000	2-10034/1309	09/20/77	100	3552	4315N	06941W	38.2	135.4		GGFG			12	30
2972-14181	00000/0000	2-10034/1310	09/20/77	100	3552	4149N	07011W	39.0	134.1		GGFG			12	31
2972-14184	00000/0000	2-10034/1311	09/20/77	90	3552	4024N	07041W	39.8	132.8		GGGG			12	32
2972-14190	00000/0000	2-10034/1312	09/20/77	60	3552	3859N	07110W	40.5	131.5		GGGG			12	33
2972-14193	00000/0000	2-10034/1313	09/20/77	50	3552	3732N	07138W	41.3	130.2		GGGG			12	34
2972-14195	00000/0000	2-10034/1314	09/20/77	50	3552	3606N	07206W	41.9	128.8		GGGG			12	35
2972-15592	00000/0000	2-10034/1350	09/20/77	30	3553	4855N	09315W	34.9	140.3		GGGG			30	26
2972-15595	00000/0000	2-10034/1351	09/20/77	70	3553	4730N	09351W	35.8	139.1		GGGG			30	27
2972-16001	00000/0000	2-10034/1352	09/20/77	90	3553	4604N	09426W	36.6	137.8		FGGG			30	28
2972-16004	00000/0000	2-10034/1353	09/20/77	70	3553	4439N	09459W	37.4	136.6		GGGG			30	29
2972-16010	00000/0000	2-10034/1354	09/20/77	20	3553	4314N	09531W	38.2	135.4		FGGG			30	30
2972-16013	00000/0000	2-10034/1355	09/20/77	20	3553	4149N	09602W	39.0	134.1		GGGG			30	31
2972-16015	00000/0000	2-10034/1356	09/20/77	60	3553	4023N	09631W	39.8	132.8		GGGG			30	32
2972-16022	00000/0000	2-10034/1357	09/20/77	70	3553	3858N	09700W	40.5	131.5		GGGG			30	33
2972-16024	00000/0000	2-10034/1358	09/20/77	50	3553	3732N	09728W	41.2	130.2		GGGG			30	34
2972-16031	00000/0000	2-10034/1359	09/20/77	60	3553	3606N	09755W	41.9	128.8		GGGG			30	35
2972-16033	00000/0000	2-10034/1360	09/20/77	20	3553	3440N	09822W	42.6	127.5		GGGG			30	36
2972-16040	00000/0000	2-10034/1361	09/20/77	10	3553	3313N	09848W	43.2	126.1		FGGG			30	37
2972-16042	00000/0000	2-10034/1362	09/20/77	10	3553	3147N	09913W	43.9	124.6		GGGG			30	38
2972-16045	00000/0000	2-10034/1363	09/20/77	10	3553	3021N	09938W	44.4	123.2		GGGG			30	39
2972-16051	00000/0000	2-10034/1364	09/20/77	10	3553	2854N	10002W	45.0	121.7		GGGG			30	40
2972-16054	00000/0000	2-10034/1365	09/20/77	20	3553	2728N	10025W	45.5	120.2		GGGG			30	41
2972-16060	00000/0000	2-10034/1366	09/20/77	10	3553	2601N	10048W	46.0	118.6		GGGG			30	42
2972-17424	00000/0000	2-10034/1367	09/20/77	50	3554	4854N	11900W	34.9	140.3		GGGG			48	26
2972-17430	00000/0000	2-10034/1368	09/20/77	30	3554	4729N	11937W	35.7	139.1		GGGG			48	27
2972-17433	00000/0000	2-10034/1369	09/20/77	30	3554	4604N	12013W	36.6	137.9		GGGG			48	28
2972-17435	00000/0000	2-10034/1370	09/20/77	50	3554	4439N	12046W	37.4	136.6		GGGG			48	29
2972-17442	00000/0000	2-10034/1371	09/20/77	60	3554	4313N	12118W	38.2	135.4		GGGG			48	30
2972-17444	00000/0000	2-10034/1372	09/20/77	50	3554	4147N	12149W	39.0	134.1		GGGG			48	31
2972-17451	00000/0000	2-10034/1373	09/20/77	40	3554	4022N	12220W	39.8	132.8		GGGG			48	32
2972-17453	00000/0000	2-10034/1374	09/20/77	40	3554	3856N	12249W	40.5	131.5		GGGG			48	33

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2972-17460	00000/0000	2-10034/1375	09/20/77	70	3554	3731N	12317W	41.2	130.2		GGGG			48	34
2972-17462	00000/0000	2-10034/1376	09/20/77	40	3554	3604N	12345W	41.9	128.9		GGGG			48	35
2973-14221	00000/0000	2-10034/1389	09/21/77	90	3566	4730N	06926W	35.5	139.3		GGGG			13	27
2973-14224	00000/0000	2-10034/1390	09/21/77	90	3566	4605N	07001W	36.3	138.1		GGGG			13	28
2973-14230	00000/0000	2-10034/1391	09/21/77	100	3566	4439N	07035W	37.1	136.9		GGGG			13	29
2973-14233	00000/0000	2-10034/1392	09/21/77	90	3566	4314N	07107W	38.0	135.7		GGFG			13	30
2973-14235	00000/0000	2-10034/1393	09/21/77	90	3566	4148N	07138W	38.7	134.4		GGG			13	31
2973-14242	00000/0000	2-10034/1394	09/21/77	100	3566	4023N	07208W	39.5	133.2		GGGG			13	32
2973-14244	00000/0000	2-10034/1395	09/21/77	90	3566	3858N	07238W	40.3	131.9		GGGF			13	33
2973-14251	00000/0000	2-10034/1396	09/21/77	60	3566	3732N	07306W	41.0	130.6		FGGG			13	34
2973-14253	00000/0000	2-10034/1397	09/21/77	50	3566	3606N	07333W	41.7	129.2		GGG			13	35
2973-14260	00000/0000	2-10034/1398	09/21/77	60	3566	3439N	07359W	42.4	127.9		GGGF			13	36
2973-14262	00000/0000	2-10034/1399	09/21/77	70	3566	3313N	07424W	43.0	126.5		GGG			13	37
2973-14265	00000/0000	2-10034/1400	09/21/77	50	3566	3147N	07449W	43.6	125.0		GGGG			13	38
2973-16050	00000/0000	2-10034/1460	09/21/77	80	3567	4854N	09440W	34.6	140.6		GGGG			31	26
2973-16053	00000/0000	2-10034/1461	09/21/77	70	3567	4729N	09517W	35.4	139.4		GGGG			31	27
2973-16055	00000/0000	2-10034/1462	09/21/77	80	3567	4604N	09552W	36.3	138.2		GGGG			31	28
2973-16062	00000/0000	2-10034/1463	09/21/77	90	3567	4439N	09625W	37.1	136.9		GGGG			31	29
2973-16064	00000/0000	2-10034/1464	09/21/77	90	3567	4313N	09657W	37.9	135.7		GGGG			31	30
2973-16071	00000/0000	2-10034/1465	09/21/77	50	3567	4148N	09728W	38.7	134.5		GGGG			31	31
2973-16073	00000/0000	2-10034/1466	09/21/77	30	3567	4023N	09758W	39.5	133.2		GGGG			31	32
2973-16080	00000/0000	2-10034/1467	09/21/77	10	3567	3857N	09827W	40.3	131.9		GGGG			31	33
2973-16082	00000/0000	2-10034/1468	09/21/77	10	3567	3731N	09855W	41.0	130.6		GGGG			31	34
2973-16085	00000/0000	2-10034/1469	09/21/77	10	3567	3604N	09922W	41.7	129.2		GGGG			31	35
2973-16091	00000/0000	2-10034/1470	09/21/77	10	3567	3439N	09949W	42.4	127.9		GGGG			31	36
2973-16094	00000/0000	2-10034/1471	09/21/77	20	3567	3313N	10014W	43.0	126.5		GGGG			31	37
2973-16100	00000/0000	2-10034/1472	09/21/77	10	3567	3147N	10039W	43.6	125.1		GGGG			31	38
2973-16103	00000/0000	2-10034/1473	09/21/77	10	3567	3020N	10104W	44.2	123.6		GGGG			31	39
2973-16105	00000/0000	2-10034/1474	09/21/77	10	3567	2854N	10128W	44.8	122.2		GGGF			31	40
2973-16112	00000/0000	2-10034/1475	09/21/77	10	3567	2728N	10151W	45.3	120.6		GGGG			31	41
2973-17482	00000/0000	2-10034/1434	09/21/77	70	3568	4857N	12026W	34.5	140.6		GGGG			49	26
2973-17484	00000/0000	2-10034/1435	09/21/77	40	3568	4732N	12102W	35.4	139.4		GGGG			49	27
2973-17491	00000/0000	2-10034/1436	09/21/77	50	3568	4607N	12137W	36.2	138.2		GGGG			49	28
2973-17493	00000/0000	2-10034/1437	09/21/77	60	3568	4442N	12211W	37.1	137.0		GGGG			49	29
2973-17500	00000/0000	2-10034/1438	09/21/77	50	3568	4316N	12243W	37.9	135.8		GGGG			49	30
2973-17502	00000/0000	2-10034/1439	09/21/77	20	3568	4150N	12314W	38.7	134.5		GGGG			49	31

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

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2973-17505	00000/0000	2-10034/1440	09/21/77	10	3568	4025N	12344W	39.5	133.3		GGGG			49	32
2973-17511	00000/0000	2-10034/1441	09/21/77	10	3568	3859N	12414W	40.2	132.0		GGGG			49	33
2973-17514	00000/0000	2-10034/1442	09/21/77	30	3568	3733N	12442W	40.9	130.7		GGGG			49	34
2975-16333	00000/0000	2-10034/1418	09/23/77	10	3594	4732N	07217W	34.8	140.0		GGGG			15	27
2975-16340	00000/0000	2-10034/1419	09/23/77	10	3594	4607N	07252W	35.7	138.8		GGGG			15	28
2975-16342	00000/0000	2-10034/1420	09/23/77	80	3594	4442N	07326W	36.5	137.6		GGGG			15	29
2975-16345	00000/0000	2-10034/1421	09/23/77	100	3594	4317N	07358W	37.3	136.4		FGGG			15	30
2975-16351	00000/0000	2-10034/1422	09/23/77	30	3594	4152N	07429W	38.1	135.2		GGGG			15	31
2975-16354	00000/0000	2-10034/1423	09/23/77	90	3594	4026N	07459W	38.9	133.9		GGGG			15	32
2975-16360	00000/0000	2-10034/1424	09/23/77	50	3594	3900N	07528W	39.7	132.6		GGGG			15	33
2975-16363	00000/0000	2-10034/1425	09/23/77	40	3594	3735N	07556W	40.4	131.4		GGGF			15	34
2975-16365	00000/0000	2-10034/1426	09/23/77	20	3594	3609N	07622W	41.2	130.1		GGGF			15	35
2975-16372	00000/0000	2-10034/1427	09/23/77	10	3594	3443N	07648W	41.9	128.7		GGGF			15	36
2975-16374	00000/0000	2-10034/1428	09/23/77	30	3594	3317N	07714W	42.5	127.4		GGGG			15	37
2975-16381	00000/0000	2-10034/1429	09/23/77	50	3594	3151N	07740W	43.2	126.0		GGGG			15	38
2975-16383	00000/0000	2-10034/1430	09/23/77	60	3594	3025N	07804W	43.8	124.6		GGGG			15	39
2975-16390	00000/0000	2-10034/1431	09/23/77	70	3594	2858N	07827W	44.4	123.1		GGGG			15	40
2975-16392	00000/0000	2-10034/1432	09/23/77	50	3594	2731N	07851W	44.9	121.6		GGG			15	41
2975-16395	00000/0000	2-10034/1433	09/23/77	50	3594	2604N	07914W	45.4	120.1		GGGP			15	42
2975-16163	00000/0000	2-10034/1519	09/23/77	100	3595	4858N	09728W	33.9	141.1		GGGG			33	26
2975-16165	00000/0000	2-10034/1520	09/23/77	100	3595	4733N	09805W	34.8	140.0		GGGG			33	27
2975-16172	00000/0000	2-10034/1521	09/23/77	100	3595	4608N	09841W	35.6	138.8		GGGG			33	28
2975-16174	00000/0000	2-10034/1522	09/23/77	90	3595	4443N	09914W	36.5	137.6		GGGG			33	29
2975-16181	00000/0000	2-10034/1523	09/23/77	40	3595	4317N	09947W	37.3	136.4		GGGG			33	30
2975-16183	00000/0000	2-10034/1524	09/23/77	40	3595	4151N	10018W	38.1	135.2		GGGG			33	31
2975-16190	00000/0000	2-10034/1525	09/23/77	30	3595	4026N	10048W	38.9	133.9		GGGG			33	32
2975-16192	00000/0000	2-10034/1526	09/23/77	10	3595	3900N	10117W	39.7	132.7		GGGG			33	33
2975-16195	00000/0000	2-10034/1527	09/23/77	20	3595	3734N	10146W	40.4	131.4		GGGG			33	34
2975-16201	00000/0000	2-10034/1528	09/23/77	30	3595	3608N	10213W	41.1	130.1		GGGG			33	35
2975-16204	00000/0000	2-10034/1529	09/23/77	40	3595	3442N	10240W	41.8	128.7		GGGG			33	36
2975-16210	00000/0000	2-10034/1530	09/23/77	40	3595	3316N	10306W	42.5	127.4		GGGG			33	37
2975-16213	00000/0000	2-10034/1531	09/23/77	20	3595	3150N	10331W	43.2	126.0		GGGG			33	38
2975-16215	00000/0000	2-10034/1532	09/23/77	0	3595	3024N	10356W	43.8	124.6		GGGG			33	39
2975-16222	00000/0000	2-10034/1533	09/23/77	0	3595	2857N	10420W	44.4	123.1		GG G			33	40
2975-16224	00000/0000	2-10034/1534	09/23/77	0	3595	2731N	10444W	44.9	121.7		GG G			33	41
2975-17594	00000/0000	2-10034/1539	09/23/77	90	3596	4857N	12320W	33.9	141.2		GGGG			51	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-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2975-18001	00000/0000	2-10034/1540	09/23/77	80	3596	4732N	12356W	34.8	140.0		GGGG			51	27
2975-18003	00000/0000	2-10034/1541	09/23/77	70	3596	4607N	12431W	35.6	138.8		GGGG			51	28
2975-18010	00000/0000	2-10034/1542	09/23/77	70	3596	4441N	12505W	36.5	137.6		GGGG			51	29
2975-18012	00000/0000	2-10034/1543	09/23/77	90	3596	4316N	12537W	37.3	136.4		GGGG			51	30
2975-18015	00000/0000	2-10034/1544	09/23/77	80	3596	4151N	12608W	38.1	135.2		GGGG			51	31
2976-14392	00000/0000	2-10034/1504	09/24/77	10	3608	4732N	07344W	34.5	140.2		GGGG			16	27
2976-14394	00000/0000	2-10034/1505	09/24/77	10	3608	4607N	07419W	35.4	139.1		GGGG			16	28
2976-14401	00000/0000	2-10034/1506	09/24/77	30	3608	4442N	07453W	36.2	137.9		GGGG			16	29
2976-14403	00000/0000	2-10034/1507	09/24/77	90	3608	4317N	07525W	37.0	136.7		GGGG			16	30
2976-14410	00000/0000	2-10034/1508	09/24/77	100	3608	4150N	07556W	37.9	135.5		GGGG			16	31
2976-14412	00000/0000	2-10034/1509	09/24/77	90	3608	4024N	07626W	38.7	134.3		GGGG			16	32
2976-14415	00000/0000	2-10034/1510	09/24/77	50	3608	3858N	07655W	39.4	133.0		GGGG			16	33
2976-14421	00000/0000	2-10034/1511	09/24/77	50	3608	3733N	07723W	40.2	131.7		GGGG			16	34
2976-14424	00000/0000	2-10034/1512	09/24/77	50	3608	3606N	07750W	40.9	130.4		GGGG			16	35
2976-14430	00000/0000	2-10034/1513	09/24/77	80	3608	3440N	07816W	41.6	129.1		GGGG			16	36
2976-14433	00000/0000	2-10034/1514	09/24/77	40	3608	3315N	07842W	42.3	127.8		GGGG			16	37
2976-14435	00000/0000	2-10034/1515	09/24/77	20	3608	3149N	07907W	42.9	126.4		GGGG			16	38
2976-14442	00000/0000	2-10034/1516	09/24/77	20	3608	3023N	07932W	43.6	125.0		GGGG			16	39
2976-14444	00000/0000	2-10034/1517	09/24/77	20	3608	2857N	07956W	44.2	123.6		GGGG			16	40
2976-14451	00000/0000	2-10034/1518	09/24/77	30	3608	2731N	08020W	44.7	122.1		GGGG			16	41

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

!FIN

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2939-19403	00000/0000	2-10034/0012	08/18/77	50	3095	6402N	13939W	35.9	149.0		GFGF			69	15
2939-19405	00000/0000	2-10034/0013	08/18/77	60	3095	6240N	14051W	36.8	147.2		GGGG			69	16
2939-19412	00000/0000	2-10034/0014	08/18/77	30	3095	6119N	14158W	37.7	145.4		GFGG			69	17
2939-19414	00000/0000	2-10034/0015	08/18/77	40	3095	5956N	14259W	38.6	143.7		GGGG			69	18
2939-19421	00000/0000	2-10034/0016	08/18/77	60	3095	5834N	14356W	39.4	142.0		GGGF			69	19
2939-21211	00000/0000	2-10034/0017	08/18/77	100	3096	7157N	15459W	30.3	162.6		GGGG			88	9
2939-21214	00000/0000	2-10034/0018	08/18/77	90	3096	7041N	15715W	31.2	159.9		GGGG			87	10
2939-21220	00000/0000	2-10034/0019	08/18/77	90	3096	6925N	15915W	32.2	157.4		GGGG			87	11
2939-21223	00000/0000	2-10034/0020	08/18/77	100	3096	6806N	16102W	33.1	155.1		GGFG			87	12
2939-21225	00000/0000	2-10034/0021	08/18/77	80	3096	6646N	16239W	34.1	153.0		GGGF			87	13
2939-21232	00000/0000	2-10034/0022	08/18/77	100	3096	6525N	16407W	35.0	151.0		GGGG			87	14
2939-21234	00000/0000	2-10034/0023	08/18/77	100	3096	6404N	16527W	35.9	149.1		GGGG			87	15
2939-21241	00000/0000	2-10034/0024	08/18/77	100	3096	6243N	16640W	36.8	147.2		GGGG			87	16
2939-21243	00000/0000	2-10034/0025	08/18/77	100	3096	6121N	16747W	37.7	145.5		GGGG			87	17
2939-21250	00000/0000	2-10034/0026	08/18/77	90	3096	5959N	16848W	38.5	143.7		GGGG			87	18
2939-21252	00000/0000	2-10034/0027	08/18/77	100	3096	5836N	16945W	39.3	142.0		GGGG			87	19
2939-21255	00000/0000	2-10034/0028	08/18/77	100	3096	5713N	17039W	40.2	140.4		GGGG			87	20
2939-21261	00000/0000	2-10034/0029	08/18/77	100	3096	5550N	17129W	41.0	138.7		GGGG			87	21
2939-21264	00000/0000	2-10034/0030	08/18/77	90	3096	5426N	17216W	41.7	137.1		GGGG			87	22
2939-21270	00000/0000	2-10034/0031	08/18/77	90	3096	5302N	17301W	42.5	135.4		GGGG			87	23
2939-21273	00000/0000	2-10034/0032	08/18/77	80	3096	5138N	17343W	43.2	133.8		GGGG			87	24
2941-19512	00000/0000	2-10034/0056	08/20/77	80	3123	6525N	14111W	34.4	151.2		GGGG			71	14
2941-19515	00000/0000	2-10034/0057	08/20/77	30	3123	6404N	14231W	35.3	149.3		GGGG			71	15
2941-19521	00000/0000	2-10034/0058	08/20/77	10	3123	6242N	14344W	36.2	147.5		GGGG			71	16
2941-19524	00000/0000	2-10034/0059	08/20/77	10	3123	6120N	14451W	37.1	145.8		GGGG			71	17
2941-19530	00000/0000	2-10034/0060	08/20/77	10	3123	5958N	14553W	37.9	144.1		GGGF			71	18
2941-19533	00000/0000	2-10034/0061	08/20/77	30	3123	5835N	14649W	38.8	142.4		FGGG			71	19
2941-19535	00000/0000	2-10034/0062	08/20/77	40	3123	5712N	14743W	39.6	140.7		GGGG			71	20
2941-21323	00000/0000	2-10034/0104	08/20/77	60	3124	7156N	15755W	29.6	162.7		GGGG			90	9
2941-21330	00000/0000	2-10034/0105	08/20/77	40	3124	7040N	16011W	30.6	160.1		GFGG			89	10
2941-21335	00000/0000	2-10034/0106	08/20/77	30	3124	6803N	16400W	32.5	155.3		GGGG			89	12
2941-21341	00000/0000	2-10034/0107	08/20/77	30	3124	6644N	16536W	33.5	153.2		GGGG			89	13
2941-21344	00000/0000	2-10034/0108	08/20/77	20	3124	6524N	16702W	34.4	151.2		FGGG			89	14
2941-21350	00000/0000	2-10034/0109	08/20/77	40	3124	6403N	16821W	35.3	149.3		FGGG			89	15
2941-21353	00000/0000	2-10034/0110	08/20/77	80	3124	6241N	16933W	36.2	147.5		GGGG			89	16
2941-21355	00000/0000	2-10034/0111	08/20/77	100	3124	6119N	17039W	37.1	145.8		GGGG			89	17

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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 RBW NUMBER
2941-21362	00000/0000	2-10034/0112	08/20/77	100	3124	5957N	17140W	37.9	144.1		0000			89	18
2941-21364	00000/0000	2-10034/0113	08/20/77	100	3124	5834N	17237W	38.8	142.4		F000			89	19
2941-21371	00000/0000	2-10034/0114	08/20/77	90	3124	5711N	17330W	39.6	140.7		00F0			89	20
2941-21373	00000/0000	2-10034/0115	08/20/77	90	3124	5547N	17421W	40.4	139.1		0000			89	21
2941-21380	00000/0000	2-10034/0116	08/20/77	90	3124	5424N	17509W	41.2	137.5		000F			89	22
2941-21382	00000/0000	2-10034/0117	08/20/77	90	3124	5300N	17554W	41.9	135.9		0000			89	23
2941-21385	00000/0000	2-10034/0118	08/20/77	80	3124	5135N	17636W	42.7	134.3		0000			89	24
2942-19564	00000/0000	2-10034/0063	08/21/77	10	3137	6645N	14109W	33.2	153.4		0000			72	13
2942-19570	00000/0000	2-10034/0064	08/21/77	30	3137	6525N	14236W	34.1	151.4		0000			72	14
2942-19573	00000/0000	2-10034/0065	08/21/77	10	3137	6403N	14356W	35.0	149.5		0000			72	15
2942-19575	00000/0000	2-10034/0066	08/21/77	10	3137	6241N	14508W	35.9	147.7		0000			72	16
2942-19582	00000/0000	2-10034/0067	08/21/77	10	3137	6120N	14614W	36.8	145.9		0000			72	17
2942-19584	00000/0000	2-10034/0068	08/21/77	30	3137	5957N	14716W	37.6	144.2		0000			72	18
2942-19591	00000/0000	2-10034/0069	08/21/77	90	3137	5834N	14814W	38.5	142.6		0000			72	19
2942-19593	00000/0000	2-10034/0070	08/21/77	90	3137	5711N	14907W	39.3	140.9		0000			72	20
2942-21381	00000/0000	2-10034/0327	08/21/77	30	3138	7158N	15914W	29.3	162.9		0000			91	9
2942-21384	00000/0000	2-10034/0328	08/21/77	30	3138	7042N	16030W	30.2	160.2		000F			90	10
2942-21390	00000/0000	2-10034/0329	08/21/77	10	3138	6925N	16330W	31.2	157.8		0F00			90	11
2942-21393	00000/0000	2-10034/0330	08/21/77	10	3138	6806N	16519W	32.2	155.5		00FF			90	12
2942-21395	00000/0000	2-10034/0331	08/21/77	10	3138	6647N	16657W	33.1	153.4		00F0			90	13
2942-21402	00000/0000	2-10034/0332	08/21/77	10	3138	6526N	16824W	34.0	151.4		F000			90	14
2942-21404	00000/0000	2-10034/0333	08/21/77	10	3138	6405N	16944W	34.9	149.5		00FF			90	15
2942-21411	00000/0000	2-10034/0334	08/21/77	10	3138	6244N	17056W	35.8	147.7		0000			90	16
2942-21413	00000/0000	2-10034/0335	08/21/77	30	3138	6122N	17203W	36.7	146.0		0F00			90	17
2942-21420	00000/0000	2-10034/0336	08/21/77	10	3138	5959N	17304W	37.6	144.3		0000			90	18
2942-21422	00000/0000	2-10034/0337	08/21/77	20	3138	5837N	17401W	38.4	142.6		0000			90	19
2942-21425	00000/0000	2-10034/0338	08/21/77	70	3138	5713N	17454W	39.3	141.0		0000			90	20
2942-21431	00000/0000	2-10034/0339	08/21/77	90	3138	5550N	17544W	40.1	139.4		0000			90	21
2942-21434	00000/0000	2-10034/0340	08/21/77	90	3138	5426N	17630W	40.9	137.8		0000			90	22
2942-21440	00000/0000	2-10034/0341	08/21/77	90	3138	5303N	17718W	41.6	136.2		0000			90	23
2942-21443	00000/0000	2-10034/0342	08/21/77	90	3138	5139N	17757W	42.4	134.6		00F0			90	24
2943-20013	00000/0000	2-10034/0071	08/22/77	40	3151	6925N	13911W	30.5	157.9		0000			73	13
2943-20015	00000/0000	2-10034/0072	08/22/77	40	3151	6807N	14058W	31.9	155.7		0000			73	12
2943-20022	00000/0000	2-10034/0073	08/22/77	20	3151	6647N	14235W	32.8	153.5		F000			73	13
2943-20024	00000/0000	2-10034/0074	08/22/77	10	3151	6527N	14402W	33.7	151.6		0000			73	14
2943-20031	00000/0000	2-10034/0075	08/22/77	20	3151	6406N	14522W	34.6	149.7		0000			73	15

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

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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 4567B	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2943-20033	00060/0000	2-10034/0076	08/22/77	20	3151	6244N	14634W	35.6	147.9		GGGG			73	16
2943-20040	00000/0000	2-10034/0077	08/22/77	30	3151	6122N	14741W	36.4	146.2		GGGG			73	17
2943-20042	00000/0000	2-10034/0078	08/22/77	70	3151	5959N	14842W	37.3	144.5		GGGG			73	18
2943-20045	00000/0000	2-10034/0079	08/22/77	90	3151	5836N	14939W	38.2	142.8		GGGG			73	19
2943-20051	00000/0000	2-10034/0080	08/22/77	70	3151	5713N	15033W	39.0	141.2		GGGG			73	20
2943-21440	00000/0000	2-10034/0319	08/22/77	70	3152	7157N	16045W	28.9	163.0		FGGG			92	9
2943-21442	00000/0000	2-10034/0320	08/22/77	60	3152	7041N	16301W	29.9	160.3		FFGG			91	10
2943-21445	00000/0000	2-10034/0321	08/22/77	40	3152	6924N	16502W	30.9	157.9		FGGG			91	11
2943-21451	00000/0000	2-10034/0322	08/22/77	10	3152	6806N	16650W	31.8	155.6		GGGG			91	12
2943-21454	00000/0000	2-10034/0323	08/22/77	20	3152	6646N	16826W	32.8	153.5		PGGF			91	13
2943-21460	00000/0000	2-10034/0324	08/22/77	20	3152	6526N	16954W	33.7	151.6		FGGG			91	14
2943-21463	00000/0000	2-10034/0325	08/22/77	10	3152	6404N	17113W	34.6	149.7		GGGG			91	15
2943-21501	00000/0000	2-10034/0326	08/22/77	90	3152	5138N	17926W	42.1	134.8		FGGG			91	24
2944-20071	00000/0000	2-10034/0081	08/23/77	50	3165	6924N	14033W	30.6	158.0		GGGG			74	11
2944-20074	00000/0000	2-10034/0082	08/23/77	40	3165	6806N	14221W	31.5	155.7		GGGG			74	12
2944-20080	00000/0000	2-10034/0083	08/23/77	10	3165	6646N	14359W	32.5	153.7		GGGG			74	13
2944-20083	00000/0000	2-10034/0084	08/23/77	10	3165	6526N	14527W	33.4	151.7		GGGG			74	14
2944-20085	00000/0000	2-10034/0085	08/23/77	10	3165	6405N	14647W	34.3	149.8		GGGG			74	15
2944-20092	00000/0000	2-10034/0086	08/23/77	10	3165	6243N	14800W	35.2	148.0		GGGG			74	16
2944-20094	00000/0000	2-10034/0087	08/23/77	30	3165	6122N	14907W	36.1	146.3		GGGG			74	17
2944-20101	00000/0000	2-10034/0088	08/23/77	40	3165	5959N	15010W	37.0	144.6		GGGG			74	18
2944-20103	00000/0000	2-10034/0089	08/23/77	40	3165	5836N	15107W	37.9	143.0		GGGG			74	19
2944-20110	00000/0000	2-10034/0090	08/23/77	40	3165	5713N	15200W	38.7	141.4		GGGF			74	20
2944-20112	00000/0000	2-10034/0091	08/23/77	70	3165	5549N	15249W	39.5	139.8		GGFG			74	21
2945-20123	00000/0000	2-10034/0343	08/24/77	40	3179	7041N	14000W	29.3	160.5		GGGG			75	10
2945-20125	00000/0000	2-10034/0344	08/24/77	60	3179	6923N	14201W	30.3	158.1		GGGG			75	11
2945-20132	00000/0000	2-10034/0345	08/24/77	60	3179	6805N	14349W	31.2	155.9		GGGG			75	12
2945-20134	00000/0000	2-10034/0346	08/24/77	50	3179	6645N	14526W	32.2	153.8		GGGG			75	13
2945-20141	00000/0000	2-10034/0347	08/24/77	50	3179	6525N	14654W	33.1	151.8		GGGG			75	14
2945-20143	00000/0000	2-10034/0348	08/24/77	10	3179	6404N	14814W	34.0	150.0		GFGG			75	15
2945-20150	00000/0000	2-10034/0349	08/24/77	10	3179	6242N	14927W	34.9	148.2		GGGG			75	16
2945-20152	00000/0000	2-10034/0350	08/24/77	80	3179	6120N	15033W	35.8	146.5		GGGG			75	17
2945-20155	00000/0000	2-10034/0351	08/24/77	70	3179	5958N	15134W	36.7	144.8		GGGG			75	18
2945-20161	00000/0000	2-10034/0352	08/24/77	80	3179	5835N	15231W	37.6	143.2		GGGG			75	19
2945-20164	00000/0000	2-10034/0353	08/24/77	90	3179	5712N	15325W	38.4	141.6		GGGG			75	20
2945-20170	00000/0000	2-10034/0354	08/24/77	90	3179	5548N	15416W	39.2	140.0		GGGG			75	21

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

00:29 OCT 18,'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
2945-21561	00000/0000	2-10034/0211	08/24/77	90	3180	6926N	14749W	30.2	158.2		GGGG			93	11
2945-21563	00000/0000	2-10034/0212	08/24/77	70	3180	6807N	14938W	31.2	155.9		GGGG			93	12
2945-21570	00000/0000	2-10034/0213	08/24/77	40	3180	6648N	17115W	32.1	153.8		GGGG			93	13
2946-18393	00000/0000	2-10034/0209	08/25/77	90	3192	5552N	12952W	38.9	140.3		GG G			58	21
2946-18395	00000/0000	2-10034/0210	08/25/77	60	3192	5428N	13040W	39.7	138.7		GG G			58	22
2946-20181	00000/0000	2-10034/0214	08/25/77	60	3193	7043N	14124W	28.9	160.7		GFGG			76	10
2946-20183	00000/0000	2-10034/0215	08/25/77	90	3193	6926N	14325W	29.9	158.3		GGGG			76	11
2946-20190	00000/0000	2-10034/0216	08/25/77	90	3193	6807N	14513W	30.8	156.1		GGFG			76	12
2946-20192	00000/0000	2-10034/0217	08/25/77	90	3193	6648N	14650W	31.8	154.0		GGGG			76	13
2946-20195	00000/0000	2-10034/0218	08/25/77	70	3193	6528N	14819W	32.7	152.0		GGGG			76	14
2946-20201	00000/0000	2-10034/0219	08/25/77	50	3193	6406N	14939W	33.7	150.2		FGGG			76	15
2946-20204	00000/0000	2-10034/0220	08/25/77	80	3193	6244N	15052W	34.6	148.4		FGGG			76	16
2946-20210	00000/0000	2-10034/0221	08/25/77	50	3193	6123N	15158W	35.5	146.7		GGGG			76	17
2946-20213	00000/0000	2-10034/0222	08/25/77	70	3193	6001N	15300W	36.4	145.1		GGGG			76	18
2946-20215	00000/0000	2-10034/0223	08/25/77	90	3193	5837N	15357W	37.2	143.4		GGGG			76	19
2946-20222	00000/0000	2-10034/0224	08/25/77	90	3193	5714N	15451W	38.1	141.9		GGGG			76	20
2946-20224	00000/0000	2-10034/0225	08/25/77	100	3193	5551N	15542W	38.9	140.3		GGGG			76	21
2946-22065	00000/0000	2-10034/0355	08/25/77	80	3194	5302N	17657E	40.5	137.2		GGGG			94	23
2947-18442	00000/0000	2-10034/0226	08/26/77	90	3206	5838N	12933W	36.9	143.6		GGG			59	19
2947-18444	00000/0000	2-10034/0227	08/26/77	90	3206	5715N	13028W	37.8	142.1		GGGG			59	20
2947-18451	00000/0000	2-10034/0228	08/26/77	90	3206	5551N	13119W	38.6	140.5		GGGG			59	21
2947-18453	00000/0000	2-10034/0229	08/26/77	40	3206	5427N	13206W	39.4	139.0		GGGG			59	22
2947-20235	00000/0000	2-10034/0230	08/26/77	90	3207	7044N	14249W	28.6	160.8		GGGG			77	10
2947-20241	00000/0000	2-10034/0231	08/26/77	80	3207	6926N	14451W	29.6	158.4		GGGG			77	11
2947-20244	00000/0000	2-10034/0232	08/26/77	40	3207	6807N	14639W	30.5	156.2		GGGG			77	12
2947-20250	00000/0000	2-10034/0233	08/26/77	70	3207	6648N	14816W	31.5	154.1		GGGG			77	13
2947-20253	00000/0000	2-10034/0234	08/26/77	80	3207	6527N	14944W	32.4	152.2		GGGG			77	14
2947-20255	00000/0000	2-10034/0235	08/26/77	60	3207	6405N	15103W	33.3	150.3		GGGG			77	15
2947-20262	00000/0000	2-10034/0236	08/26/77	80	3207	6244N	15216W	34.3	148.6		FGGG			77	16
2947-20264	00000/0000	2-10034/0237	08/26/77	60	3207	6122N	15323W	35.2	146.9		GGGG			77	17
2947-20271	00000/0000	2-10034/0238	08/26/77	90	3207	6000N	15425W	36.0	145.2		GGGG			77	18
2947-20273	00000/0000	2-10034/0239	08/26/77	90	3207	5838N	15523W	36.9	143.6		GGGG			77	19
2947-20280	00000/0000	2-10034/0240	08/26/77	90	3207	5715N	15617W	37.8	142.1		FGGG			77	20
2947-20282	00000/0000	2-10034/0241	08/26/77	90	3207	5551N	15707W	38.6	140.5		FGGG			77	21
2947-20285	00000/0000	2-10034/0242	08/26/77	90	3207	5427N	15754W	39.4	139.0		FGGG			77	22
2948-18502	00000/0000	2-10034/0273	08/27/77	90	3220	5715N	13151W	37.5	142.3		GGFG			60	20

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2948-18505	00000/0000	2-10034/0274	08/27/77	80	3220	5551N	13243W	38.3	140.7		CGGG			60	21
2948-18511	00000/0000	2-10034/0275	08/27/77	90	3220	5427N	13331W	39.1	139.2		GGGG			60	22
2948-22174	00000/0000	2-10034/0288	08/27/77	90	3222	5428N	17450E	39.1	139.3		GGGG			96	22
2949-18554	00000/0000	2-10034/0445	08/28/77	70	3234	5837N	13225W	36.3	144.0		GGGG			61	19
2949-18560	00000/0000	2-10034/0446	08/28/77	90	3234	5714N	13319W	37.1	142.5		GGGG			61	20
2949-18563	00000/0000	2-10034/0447	08/28/77	70	3234	5550N	13410W	38.0	141.0		GGGG			61	21
2949-18565	00000/0000	2-10034/0448	08/28/77	50	3234	5426N	13458W	38.8	139.4		GGGG			61	22
2949-20353	00000/0000	2-10034/0449	08/28/77	10	3235	6929N	14738W	28.8	158.7		GGGG			79	11
2949-20360	00000/0000	2-10034/0450	08/28/77	10	3235	6810N	14927W	29.8	156.5		GGGG			79	12
2949-20362	00000/0000	2-10034/0451	08/28/77	30	3235	6650N	15104W	30.8	154.4		GGGG			79	13
2949-20365	00000/0000	2-10034/0452	08/28/77	90	3235	6530N	15232W	31.7	152.5		GGGF			79	14
2949-20371	00000/0000	2-10034/0453	08/28/77	50	3235	6409N	15353W	32.6	150.7		GGGG			79	15
2949-20374	00000/0000	2-10034/0454	08/28/77	10	3235	6247N	15506W	33.6	149.0		GGGG			79	16
2949-20380	00000/0000	2-10034/0455	08/28/77	10	3235	6125N	15614W	34.5	147.3		GGGG			79	17
2949-20383	00000/0000	2-10034/0456	08/28/77	10	3235	6003N	15716W	35.4	145.7		GFGG			79	18
2949-20385	00000/0000	2-10034/0457	08/28/77	40	3235	5839N	15814W	36.2	144.1		GGGG			79	19
2949-20392	00000/0000	2-10034/0458	08/28/77	90	3235	5716N	15908W	37.1	142.6		GGGG			79	20
2949-20394	00000/0000	2-10034/0459	08/28/77	40	3235	5553N	15959W	37.9	141.0		GGGG			79	21
2949-20401	00000/0000	2-10034/0460	08/28/77	40	3235	5429N	16046W	38.8	139.5		GGGG			79	22
2950-19003	00000/0000	2-10034/0356	08/29/77	80	3248	6126N	13149W	34.2	147.5		GGGG			62	17
2950-19005	00000/0000	2-10034/0357	08/29/77	70	3248	6003N	13251W	35.1	145.9		GGGG			62	18
2950-19012	00000/0000	2-10034/0358	08/29/77	90	3248	5841N	13349W	35.9	144.3		GGGG			62	19
2950-19014	00000/0000	2-10034/0359	08/29/77	90	3248	5717N	13444W	36.8	142.8		FGFG			62	20
2950-19021	00000/0000	2-10034/0360	08/29/77	60	3248	5553N	13534W	37.6	141.2		GGGG			62	21
2950-20405	00000/0000	2-10034/0361	08/29/77	70	3249	7046N	14704W	27.5	161.2		GGGG			80	10
2950-20411	00000/0000	2-10034/0362	08/29/77	10	3249	6928N	14906W	28.5	158.8		FGFF			80	11
2950-20414	00000/0000	2-10034/0363	08/29/77	70	3249	6810N	15055W	29.5	156.6		GGFG			80	12
2950-20420	00000/0000	2-10034/0364	08/29/77	90	3249	6650N	15232W	30.4	154.6		FGGG			80	13
2950-20423	00000/0000	2-10034/0365	08/29/77	90	3249	6530N	15400W	31.4	152.7		FGGG			80	14
2950-20425	00000/0000	2-10034/0366	08/29/77	90	3249	6408N	15520W	32.3	150.9		FGGG			80	15
2950-20432	00000/0000	2-10034/0367	08/29/77	50	3249	6246N	15634W	33.2	149.1		FGGG			80	16
2950-20434	00000/0000	2-10034/0368	08/29/77	30	3249	6125N	15741W	34.2	147.5		GGGG			80	17
2950-20441	00000/0000	2-10034/0369	08/29/77	10	3249	6002N	15844W	35.0	145.9		GGGG			80	18
2950-20443	00000/0000	2-10034/0370	08/29/77	50	3249	5839N	15941W	35.9	144.3		FGGG			80	19
2950-20450	00000/0000	2-10034/0371	08/29/77	70	3249	5716N	16035W	36.8	142.8		GGFG			80	20
2950-20452	00000/0000	2-10034/0372	08/29/77	90	3249	5553N	16125W	37.6	141.3		FGGG			80	21

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2950-20455	00000/0000	2-10034/0373	08/29/77	80	3249	5429N	16212W	38.5	139.8		FGGG			80	22
2951-19063	00000/0000	2-10034/0374	08/30/77	50	3262	6003N	13416W	34.7	146.1		GGGG			63	18
2951-19070	00000/0000	2-10034/0375	08/30/77	40	3262	5840N	13515W	35.6	144.5		GGGG			63	19
2951-19072	00000/0000	2-10034/0376	08/30/77	40	3262	5717N	13609W	36.5	143.0		GGGG			63	20
2951-20463	00000/0000	2-10034/0418	08/30/77	70	3263	7045N	14825W	27.2	161.3		PGGG			81	10
2951-20470	00000/0000	2-10034/0419	08/30/77	50	3263	6928N	15031W	28.1	158.9		FG G			81	11
2951-20472	00000/0000	2-10034/0420	08/30/77	80	3263	6810N	15220W	29.1	156.7		FGGG			81	12
2951-20475	00000/0000	2-10034/0421	08/30/77	90	3263	6650N	15357W	30.1	154.7		PGGG			81	13
2951-20481	00000/0000	2-10034/0422	08/30/77	10	3263	6529N	15525W	31.0	152.8		FGGG			81	14
2951-20484	00000/0000	2-10034/0423	08/30/77	10	3263	6408N	15646W	32.0	151.0		GGGG			81	15
2951-20490	00000/0000	2-10034/0424	08/30/77	10	3263	6247N	15800W	32.9	149.3		FGGG			81	16
2951-20493	00000/0000	2-10034/0425	08/30/77	30	3263	6124N	15907W	33.8	147.7		FGGG			81	17
2951-20495	00000/0000	2-10034/0426	08/30/77	40	3263	6002N	16009W	34.7	146.1		FGGG			81	18
2951-20502	00000/0000	2-10034/0427	08/30/77	70	3263	5840N	16105W	35.6	144.5		FGGG			81	19
2951-20504	00000/0000	2-10034/0428	08/30/77	90	3263	5716N	16159W	36.5	143.0		PGGG			81	20
2951-20511	00000/0000	2-10034/0429	08/30/77	90	3263	5553N	16249W	37.3	141.5		PGGG			81	21
2951-20513	00000/0000	2-10034/0430	08/30/77	90	3263	5429N	16337W	38.2	140.0		FGGG			81	22
2951-20520	00000/0000	2-10034/0431	08/30/77	60	3263	5305N	16422W	39.0	138.5		PGGG			81	23
2952-19122	00000/0000	2-10034/0980	08/31/77	30	3276	6003N	13542W	34.4	146.3		GGGG			64	18
2952-19124	00000/0000	2-10034/0981	08/31/77	10	3276	5840N	13640W	35.3	144.7		GGGG			64	19
2952-19131	00000/0000	2-10034/0982	08/31/77	20	3276	5717N	13735W	36.2	143.2		GGGG			64	20
2952-20521	00000/0000	2-10034/0766	08/31/77	90	3277	7045N	14955W	26.8	161.4		GGGG			82	10
2952-20524	00000/0000	2-10034/0767	08/31/77	80	3277	6928N	15156W	27.8	159.1		GGGG			82	11
2952-20530	00000/0000	2-10034/0768	08/31/77	70	3277	6810N	15345W	28.8	156.9		GGGG			82	12
2952-20533	00000/0000	2-10034/0769	08/31/77	30	3277	6650N	15524W	29.7	154.9		GGGG			82	13
2952-20535	00000/0000	2-10034/0770	08/31/77	40	3277	6529N	15654W	30.7	153.0		GGGG			82	14
2952-20542	00000/0000	2-10034/0771	08/31/77	70	3277	6408N	15813W	31.6	151.2		GGGG			82	15
2952-20544	00000/0000	2-10034/0772	08/31/77	80	3277	6246N	15926W	32.6	149.5		GGGG			82	16
2952-20551	00000/0000	2-10034/0773	08/31/77	70	3277	6124N	16033W	33.5	147.8		FGGG			82	17
2952-20553	00000/0000	2-10034/0774	08/31/77	80	3277	6001N	16135W	34.4	146.3		FGGG			82	18
2952-20560	00000/0000	2-10034/0775	08/31/77	70	3277	5839N	16232W	35.3	144.7		GGGG			82	19
2952-20562	00000/0000	2-10034/0776	08/31/77	50	3277	5716N	16326W	36.2	143.2		GGGG			82	20
2952-20565	00000/0000	2-10034/0777	08/31/77	70	3277	5552N	16416W	37.0	141.7		GGGG			82	21
2952-20571	00000/0000	2-10034/0778	08/31/77	60	3277	5429N	16503W	37.8	140.2		GFGG			82	22
2952-20574	00000/0000	2-10034/0779	08/31/77	60	3277	5305N	16547W	38.7	138.8		FGGG			82	23
2953-19173	00000/0000	2-10034/0983	09/01/77	50	3290	6125N	13609W	33.2	148.0		GGGG			65	17

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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 AZIN.	IMAGE-QUAL RBV 123	IMAGE-QUAL MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2953-19180	00000/0000	2-10034/0984	09/01/77	10	3290	6003N	13712W	34.1	146.5		GGGG			65	18
2953-19182	00000/0000	2-10034/0985	09/01/77	10	3290	5839N	13811W	35.0	144.9		GGGG			65	19
2953-19185	00000/0000	2-10034/0986	09/01/77	20	3290	5716N	13904W	35.8	143.4		GGGG			65	20
2953-20575	00000/0000	2-10034/0491	09/01/77	90	3291	7045N	15116W	26.5	161.5		GPGG			83	10
2953-20582	00000/0000	2-10034/0492	09/01/77	30	3291	6928N	15319W	27.4	159.2		FGGG			83	11
2953-20584	00000/0000	2-10034/0493	09/01/77	30	3291	6810N	15502W	28.4	157.0		GGGG			83	12
2953-20591	00000/0000	2-10034/0494	09/01/77	10	3291	6650N	15647W	29.4	155.0		GGGG			83	13
2953-20593	00000/0000	2-10034/0490	09/01/77	10	3291	6529N	15816W	30.4	153.1		G GG			83	14
2953-21000	00000/0000	2-10034/0495	09/01/77	20	3291	6408N	15936W	31.3	151.3		FGGG			83	15
2953-21002	00000/0000	2-10034/0496	09/01/77	40	3291	6247N	16049W	32.2	149.6		FPGG			83	16
2953-21005	00000/0000	2-10034/0497	09/01/77	50	3291	6125N	16157W	33.2	148.0		GGGG			83	17
2953-21011	00000/0000	2-10034/0498	09/01/77	50	3291	6002N	16259W	34.1	146.4		GPGG			83	18
2953-21014	00000/0000	2-10034/0499	09/01/77	50	3291	5839N	16356W	35.0	144.9		FGGG			83	19
2953-21020	00000/0000	2-10034/0500	09/01/77	40	3291	5716N	16449W	35.8	143.4		PGGG			83	20
2953-21023	00000/0000	2-10034/0501	09/01/77	70	3291	5552N	16540W	36.7	141.9		PGGG			83	21
2953-21025	00000/0000	2-10034/0502	09/01/77	70	3291	5428N	16629W	37.5	140.5		PGGG			83	22
2953-21032	00000/0000	2-10034/0503	09/01/77	100	3291	5304N	16714W	38.4	139.0		PGGG			83	23
2954-19234	00000/0000	2-10034/0536	09/02/77	20	3304	6002N	13836W	33.7	146.6		GGGG			66	18
2954-19240	00000/0000	2-10034/0537	09/02/77	20	3304	5839N	13934W	34.6	145.1		GGGF			66	19
2954-21033	00000/0000	2-10034/0504	09/02/77	10	3305	7048N	15240W	26.1	161.7		GGGG			84	10
2954-21040	00000/0000	2-10034/0505	09/02/77	10	3305	6931N	15443W	27.1	159.4		GGGG			84	11
2954-21042	00000/0000	2-10034/0506	09/02/77	10	3305	6812N	15633W	28.0	157.2		GGGG			84	12
2954-21045	00000/0000	2-10034/0507	09/02/77	10	3305	6652N	15812W	29.0	155.2		FGGG			84	13
2954-21051	00000/0000	2-10034/0508	09/02/77	40	3305	6532N	15941W	30.0	153.3		GGGG			84	14
2954-21054	00000/0000	2-10034/0509	09/02/77	70	3305	6411N	16101W	30.9	151.6		PGGG			84	15
2954-21060	00000/0000	2-10034/0510	09/02/77	80	3305	6249N	16215W	31.9	149.9		GGGG			84	16
2954-21063	00000/0000	2-10034/0511	09/02/77	30	3305	6127N	16322W	32.8	148.3		GGGG			84	17
2954-21065	00000/0000	2-10034/0512	09/02/77	40	3305	6005N	16424W	33.7	146.8		GGGG			84	18
2954-21072	00000/0000	2-10034/0513	09/02/77	20	3305	5842N	16522W	34.6	145.2		GGGG			84	19
2954-21074	00000/0000	2-10034/0514	09/02/77	40	3305	5719N	16617W	35.5	143.7		GGGG			84	20
2954-21081	00000/0000	2-10034/0515	09/02/77	10	3305	5555N	16708W	36.3	142.2		GGGG			84	21
2954-21083	00000/0000	2-10034/0516	09/02/77	30	3305	5431N	16756W	37.2	140.8		GGGG			84	22
2954-21090	00000/0000	2-10034/0517	09/02/77	20	3305	5307N	16840W	38.0	139.3		GGGG			84	23
2954-21092	00000/0000	2-10034/0518	09/02/77	40	3305	5143N	16922W	38.8	137.9		GGGG			84	24
2955-19283	00000/0000	2-10034/0820	09/03/77	10	3318	6247N	13752W	31.6	150.0		GGGG			67	16
2955-19285	00000/0000	2-10034/0821	09/03/77	0	3318	6125N	13900W	32.5	148.4		GGGG			67	17

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2955-19292	00000/0000	2-10034/0822	09/03/77	10	3318	6002N	14002W	33.4	146.8		GGGG			67	18
2955-19294	00000/0000	2-10034/0823	09/03/77	10	3318	5840N	14100W	34.3	145.3		GGGG			67	19
2955-21091	00000/0000	2-10034/0796	09/03/77	80	3319	7048N	15405W	25.7	161.9		GGGG			85	10
2955-21094	00000/0000	2-10034/0797	09/03/77	70	3319	6930N	15609W	26.7	159.5		GGGG			85	11
2955-21100	00000/0000	2-10034/0798	09/03/77	70	3319	6812N	15759W	27.7	157.4		GGGF			85	12
2955-21103	00000/0000	2-10034/0799	09/03/77	70	3319	6652N	15938W	28.7	155.4		GGGG			85	13
2955-21105	00000/0000	2-10034/0800	09/03/77	80	3319	6532N	16107W	29.6	153.5		GGGG			85	14
2955-21112	00000/0000	2-10034/0801	09/03/77	60	3319	6411N	16227W	30.6	151.7		GGGG			85	15
2955-21114	00000/0000	2-10034/0802	09/03/77	90	3319	6249N	16340W	31.5	150.1		GGGG			85	16
2955-21121	00000/0000	2-10034/0803	09/03/77	80	3319	6127N	16447W	32.5	148.4		GGGG			85	17
2955-21123	00000/0000	2-10034/0804	09/03/77	70	3319	6005N	16550W	33.4	146.9		GGGG			85	18
2955-21130	00000/0000	2-10034/0805	09/03/77	80	3319	5842N	16648W	34.3	145.4		GGGG			85	19
2955-21132	00000/0000	2-10034/0806	09/03/77	60	3319	5718N	16741W	35.2	143.9		GGGG			85	20
2955-21135	00000/0000	2-10034/0807	09/03/77	50	3319	5555N	16831W	36.0	142.5		GGGG			85	21
2955-21141	00000/0000	2-10034/0808	09/03/77	50	3319	5431N	16919W	36.9	141.0		GGGG			85	22
2955-21144	00000/0000	2-10034/0809	09/03/77	90	3319	5307N	17003W	37.7	139.6		GGGG			85	23
2955-21150	00000/0000	2-10034/0810	09/03/77	90	3319	5143N	17046W	38.5	138.2		GGGG			85	24
2956-19326	00000/0000	2-10034/0575	09/04/77	10	3332	6652N	13516W	28.3	155.5		GGGG			68	13
2956-19332	00000/0000	2-10034/0576	09/04/77	10	3332	6532N	13645W	29.3	153.4		GGGG			68	14
2956-19334	00000/0000	2-10034/0577	09/04/77	0	3332	6411N	13805W	30.3	151.9		GGGG			68	15
2956-19341	00000/0000	2-10034/0578	09/04/77	10	3332	6249N	13919W	31.2	150.2		GFGG			68	16
2956-19343	00000/0000	2-10034/0579	09/04/77	10	3332	6127N	14026W	32.1	148.6		GGGG			68	17
2956-19350	00000/0000	2-10034/0580	09/04/77	10	3332	6005N	14128W	33.0	147.1		GGGG			68	18
2956-19352	00000/0000	2-10034/0581	09/04/77	0	3332	5842N	14226W	34.0	145.6		GGFF			68	19
2956-21143	00000/0000	2-10034/0713	09/04/77	90	3333	7203N	15311W	24.3	164.5		GGGG			86	9
2956-21145	00000/0000	2-10034/0714	09/04/77	90	3333	7048N	15530W	25.3	162.0		GGGG			86	10
2956-21152	00000/0000	2-10034/0715	09/04/77	90	3333	6930N	15733W	26.3	159.6		GGGG			86	11
2956-21154	00000/0000	2-10034/0716	09/04/77	80	3333	6812N	15923W	27.3	157.5		GGGG			86	12
2956-21161	00000/0000	2-10034/0717	09/04/77	70	3333	6652N	16103W	28.3	155.5		GGGG			86	13
2956-21163	00000/0000	2-10034/0718	09/04/77	90	3333	6531N	16236W	29.3	153.6		GGGG			86	14
2956-21170	00000/0000	2-10034/0719	09/04/77	90	3333	6410N	16352W	30.2	151.9		GGGG			86	15
2956-21172	00000/0000	2-10034/0720	09/04/77	60	3333	6249N	16505W	31.2	150.2		GGGG			86	16
2956-21175	00000/0000	2-10034/0721	09/04/77	80	3333	6127N	16613W	32.1	148.6		GGGG			86	17
2956-21181	00000/0000	2-10034/0722	09/04/77	90	3333	6004N	16715W	33.0	147.1		GGGG			86	18
2956-21184	00000/0000	2-10034/0723	09/04/77	90	3333	5841N	16813W	33.9	145.6		GGGG			86	19
2956-21190	00000/0000	2-10034/0724	09/04/77	90	3333	5718N	16907W	34.8	144.1		GGGG			86	20

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2956-21193	00000/0000	2-10034/0725	09/04/77	100	3333	5554N	16958W	35.7	142.7		GGGG			86	21
2956-21195	00000/0000	2-10034/0726	09/04/77	90	3333	5431N	17046W	36.6	141.3		GGGG			86	22
2956-21202	00000/0000	2-10034/0727	09/04/77	90	3333	5307N	17131W	37.4	139.8		GGGG			86	23
2956-21204	00000/0000	2-10034/0728	09/04/77	20	3333	5142N	17213W	38.2	138.4		GGGG			86	24
2957-19383	00000/0000	2-10034/0596	09/05/77	50	3346	6652N	13641W	28.0	155.6		GGGG			69	13
2957-19390	00000/0000	2-10034/0597	09/05/77	30	3346	6532N	13810W	28.9	153.8		FGGG			69	14
2957-19392	00000/0000	2-10034/0598	09/05/77	20	3346	6411N	13931W	29.9	152.0		GGGG			69	15
2957-19395	00000/0000	2-10034/0599	09/05/77	30	3346	6249N	14045W	30.9	150.4		GGGG			69	16
2957-19401	00000/0000	2-10034/0600	09/05/77	40	3346	6127N	14153W	31.8	148.8		GGGG			69	17
2957-19404	00000/0000	2-10034/0601	09/05/77	30	3346	6004N	14255W	32.7	147.3		GGGG			69	18
2957-19410	00000/0000	2-10034/0602	09/05/77	50	3346	5841N	14353W	33.6	145.8		GGGG			69	19
2957-21201	00000/0000	2-10034/0735	09/05/77	90	3347	7203N	15439W	24.0	164.6		GGGG			87	9
2957-21204	00000/0000	2-10034/0736	09/05/77	90	3347	7046N	15658W	25.0	162.1		GGGG			87	10
2957-21210	00000/0000	2-10034/0737	09/05/77	80	3347	6929N	15900W	26.0	159.7		GGFG			87	11
2957-21213	00000/0000	2-10034/0738	09/05/77	90	3347	6811N	16049W	27.0	157.6		GGGG			87	12
2957-21215	00000/0000	2-10034/0739	09/05/77	90	3347	6651N	16227W	28.0	155.6		GGGG			87	13
2957-21222	00000/0000	2-10034/0740	09/05/77	90	3347	6531N	16356W	28.9	153.8		GGGG			87	14
2957-21224	00000/0000	2-10034/0741	09/05/77	100	3347	6410N	16517W	29.9	152.0		GGGG			87	15
2957-21231	00000/0000	2-10034/0742	09/05/77	100	3347	6248N	16631W	30.8	150.4		GGGG			87	16
2957-21233	00000/0000	2-10034/0743	09/05/77	90	3347	6126N	16739W	31.8	148.8		GGGG			87	17
2957-21240	00000/0000	2-10034/0744	09/05/77	100	3347	6003N	16842W	32.7	147.3		GGGG			87	18
2957-21242	00000/0000	2-10034/0745	09/05/77	90	3347	5841N	16940W	33.6	145.8		GGGG			87	19
2957-21245	00000/0000	2-10034/0746	09/05/77	100	3347	5717N	17034W	34.5	144.3		GFGG			87	20
2957-21251	00000/0000	2-10034/0747	09/05/77	100	3347	5554N	17124W	35.4	142.9		GGGG			87	21
2957-21254	00000/0000	2-10034/0748	09/05/77	100	3347	5430N	17212W	36.2	141.5		GGGG			87	22
2957-21260	00000/0000	2-10034/0749	09/05/77	100	3347	5306N	17257W	37.1	140.1		GGGG			87	23
2957-21263	00000/0000	2-10034/0750	09/05/77	100	3347	5141N	17340W	37.9	138.7		GGGG			87	24
2958-19442	00000/0000	2-10034/0780	09/06/77	10	3360	6651N	13808W	27.6	155.8		GGGG			70	13
2958-19444	00000/0000	2-10034/0781	09/06/77	10	3360	6531N	13937W	28.6	153.9		FGGF			70	14
2958-19451	00000/0000	2-10034/0782	09/06/77	10	3360	6410N	14058W	29.6	152.2		FGGG			70	15
2958-19453	00000/0000	2-10034/0783	09/06/77	10	3360	6248N	14212W	30.5	150.6		GGGG			70	16
2958-19460	00000/0000	2-10034/0784	09/06/77	40	3360	6126N	14319W	31.5	149.0		GGGG			70	17
2958-19462	00000/0000	2-10034/0785	09/06/77	70	3360	6003N	14421W	32.4	147.5		GGGG			70	18
2958-19465	00000/0000	2-10034/0786	09/06/77	60	3360	5840N	14519W	33.3	146.0		GGGG			70	19
2958-19471	00000/0000	2-10034/0787	09/06/77	60	3360	5717N	14613W	34.2	144.6		GGGG			70	20
2959-19493	00000/0000	2-10034/0603	09/07/77	90	3374	6813N	13751W	26.3	157.9		GGGG			71	12

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

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2959-19500	00000/0000	2-10034/0604	09/07/77	90	3374	6654N	13929W	27.2	156.0		GGGG			71	13
2959-19502	00000/0000	2-10034/0605	09/07/77	90	3374	6533N	14057W	28.2	154.1		GGGG			71	14
2959-19505	00000/0000	2-10034/0606	09/07/77	50	3374	6412N	14218W	29.2	152.4		GGGG			71	15
2959-19511	00000/0000	2-10034/0607	09/07/77	90	3374	6251N	14332W	30.1	150.8		GGGG			71	16
2959-19514	00000/0000	2-10034/0608	09/07/77	90	3374	6129N	14439W	31.1	149.2		GGGG			71	17
2959-19520	00000/0000	2-10034/0609	09/07/77	80	3374	6006N	14542W	32.0	147.7		GGGG			71	18
2959-19523	00000/0000	2-10034/0610	09/07/77	40	3374	5843N	14640W	32.9	146.2		GGGG			71	19
2959-19525	00000/0000	2-10034/0611	09/07/77	40	3374	5720N	14735W	33.8	144.8		GGGG			71	20
2959-21313	00000/0000	2-10034/0612	09/07/77	80	3375	7204N	15730W	23.2	164.9		GGGG			89	9
2959-21320	00000/0000	2-10034/0613	09/07/77	90	3375	7048N	15949W	24.2	162.6		GGGG			89	10
2959-21322	00000/0000	2-10034/0614	09/07/77	90	3375	6931N	16152W	25.2	160.0		GGGG			89	11
2959-21325	00000/0000	2-10034/0615	09/07/77	80	3375	6813N	16342W	26.2	157.9		GGGG			89	12
2959-21331	00000/0000	2-10034/0616	09/07/77	80	3375	6653N	16520W	27.2	156.0		FGGG			89	13
2959-21334	00000/0000	2-10034/0617	09/07/77	90	3375	6533N	16649W	28.2	154.1		GGGG			89	14
2959-21340	00000/0000	2-10034/0618	09/07/77	90	3375	6411N	16809W	29.2	152.4		GGGG			89	15
2959-21343	00000/0000	2-10034/0619	09/07/77	90	3375	6250N	16923W	30.1	150.8		GGGG			89	16
2959-21345	00000/0000	2-10034/0620	09/07/77	90	3375	6127N	17032W	31.1	149.2		GGGG			89	17
2959-21352	00000/0000	2-10034/06[illegible]	09/07/77	80	3375	6005N	17134W	32.0	147.7		GGGG			89	18
2959-21354	00000/0000	2-10034/0622	09/07/77	30	3375	5842N	17232W	32.9	146.2		GGGG			89	19
2959-21363	00000/0000	2-10034/0623	09/07/77	40	3375	5555N	17417W	34.7	143.4		GGGG			89	21
2959-21370	00000/0000	2-10034/0624	09/07/77	90	3375	5431N	17505W	35.6	142.0		GGGG			89	22
2959-21372	00000/0000	2-10034/0625	09/07/77	100	3375	5306N	17550W	36.4	140.6		FGGG			89	23
2959-21375	00000/0000	2-10034/0626	09/07/77	90	3375	5142N	17632W	37.3	139.3		GGGG			89	24
2960-19554	00000/0000	2-10034/0895	09/08/77	90	3388	6653N	14059W	26.9	156.1		GGGG			72	13
2960-19560	00000/0000	2-10034/0896	09/08/77	90	3388	6533N	14228W	27.9	154.3		GGGG			72	14
2960-19563	00000/0000	2-10034/0897	09/08/77	60	3388	6412N	14348W	28.8	153.6		GGGG			72	15
2960-19565	00000/0000	2-10034/0898	09/08/77	50	3388	6250N	14501W	29.8	151.9		GGGG			72	16
2960-19572	00000/0000	2-10034/0899	09/08/77	40	3388	6127N	14609W	30.7	149.4		GGGG			72	17
2960-19574	00000/0000	2-10034/0900	09/08/77	80	3388	6005N	14712W	31.7	147.9		GGGG			72	18
2960-19581	00000/0000	2-10034/0901	09/08/77	30	3388	5842N	14811W	32.6	146.4		GGFG			72	19
2960-19583	00000/0000	2-10034/0902	09/08/77	20	3388	5718N	14905W	33.5	145.0		GGGG			72	20
2960-21371	00000/0000	2-10034/0903	09/08/77	40	3389	7204N	15855W	22.9	165.0		GGGG			90	9
2960-21374	00000/0000	2-10034/0904	09/08/77	90	3389	7047N	16115W	23.9	162.4		GGGG			90	10
2960-21380	00000/0000	2-10034/0905	09/08/77	60	3389	6930N	16317W	24.9	160.1		GGGG			90	11
2960-21383	00000/0000	2-10034/0906	09/08/77	10	3389	6811N	16505W	25.9	158.0		GGGG			90	12
2960-21385	00000/0000	2-10034/0907	09/08/77	20	3389	6652N	16643W	26.9	156.1		GGGG			90	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

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2960-21392	00000/0000	2-10034/0908	09/08/77	50	3389	6532N	16812W	27.9	154.3		GGGG			90	14
2960-21394	00000/0000	2-10034/0909	09/08/77	70	3389	6411N	16933W	28.8	152.6		GGGG			90	15
2960-21401	00000/0000	2-10034/0910	09/08/77	30	3389	6249N	17048W	29.8	150.9		GGGG			90	16
2960-21403	00000/0000	2-10034/0911	09/08/77	10	3389	6127N	17157W	30.7	149.4		GGGG			90	17
2960-21410	00000/0000	2-10034/0912	09/08/77	50	3389	6004N	17300W	31.7	147.9		GGGG			90	18
2960-21412	00000/0000	2-10034/0913	09/08/77	50	3389	5841N	17358W	32.6	146.4		GGGG			90	19
2960-21415	00000/0000	2-10034/0914	09/08/77	80	3389	5717N	17452W	33.5	145.0		GGGG			90	20
2960-21421	00000/0000	2-10034/0915	09/08/77	90	3389	5554N	17543W	34.4	143.6		GGGG			90	21
2961-20003	00000/0000	2-10034/0928	09/09/77	50	3402	6930N	13856W	24.5	160.3		GGGG			73	11
2961-20005	00000/0000	2-10034/0929	09/09/77	40	3402	6812N	14045W	25.5	158.2		GGGG			73	12
2961-20012	00000/0000	2-10034/0930	09/09/77	60	3402	6653N	14222W	26.5	156.2		GGGG			73	13
2961-20014	00000/0000	2-10034/0931	09/09/77	70	3402	6532N	14351W	27.5	154.4		GGGG			73	14
2961-20021	00000/0000	2-10034/0932	09/09/77	50	3402	6411N	14512W	28.5	152.7		GGGG			73	15
2961-20023	00000/0000	2-10034/0933	09/09/77	50	3402	6249N	14626W	29.5	151.1		GGGG			73	16
2961-20030	00000/0000	2-10034/0934	09/09/77	60	3402	6127N	14734W	30.4	149.6		GGGG			73	17
2961-20032	00000/0000	2-10034/0935	09/09/77	90	3402	6004N	14837W	31.3	148.1		GGGG			73	18
2961-20035	00000/0000	2-10034/0936	09/09/77	100	3402	5841N	14935W	32.3	146.6		GGGG			73	19
2961-20041	00000/0000	2-10034/0937	09/09/77	100	3402	5718N	15029W	33.2	145.2		GGGG			73	20
2961-21425	00000/0000	2-10034/0938	09/09/77	80	3403	7207N	16021W	22.5	165.2		GGGG			91	9
2961-21432	00000/0000	2-10034/0939	09/09/77	90	3403	7051N	16240W	23.5	162.6		GGGG			91	10
2961-21434	00000/0000	2-10034/0940	09/09/77	60	3403	6933N	16443W	24.5	160.3		GGGG			91	11
2961-21441	00000/0000	2-10034/0941	09/09/77	20	3403	6814N	16633W	25.5	158.2		GGGG			91	12
2961-21443	00000/0000	2-10034/0942	09/09/77	40	3403	6654N	16812W	26.5	156.3		GGGG			91	13
2961-21450	00000/0000	2-10034/0943	09/09/77	50	3403	6533N	16940W	27.5	154.5		GGGG			91	14
2961-21452	00000/0000	2-10034/0944	09/09/77	70	3403	6412N	17101W	28.4	152.8		GGGG			91	15
2961-21491	00000/0000	2-10034/0945	09/09/77	90	3403	5144N	17923W	36.6	139.8		GGGG			91	24
2962-20063	00000/0000	2-10034/0970	09/10/77	10	3416	6814N	14209W	25.1	158.4		GGGG			74	12
2962-20070	00000/0000	2-10034/0971	09/10/77	30	3416	6654N	14347W	26.1	156.4		GGGG			74	13
2962-20072	00000/0000	2-10034/0972	09/10/77	40	3416	6534N	14516W	27.1	154.6		GGGG			74	14
2962-20075	00000/0000	2-10034/0973	09/10/77	50	3416	6413N	14637W	28.1	152.9		GGGG			74	15
2962-20081	00000/0000	2-10034/0974	09/10/77	90	3416	6251N	14751W	29.1	151.3		GGGG			74	16
2962-20084	00000/0000	2-10034/0975	09/10/77	100	3416	6129N	14859W	30.0	149.8		GGGF			74	17
2962-20090	00000/0000	2-10034/0976	09/10/77	100	3416	6006N	15002W	31.0	148.3		GGGG			74	18
2962-20093	00000/0000	2-10034/0977	09/10/77	100	3416	5843N	15100W	31.9	146.9		GGGG			74	19
2962-20095	00000/0000	2-10034/0978	09/10/77	100	3416	5720N	15154W	32.8	145.5		GGGF			74	20
2962-20102	00000/0000	2-10034/0979	09/10/77	100	3416	5557N	15244W	33.7	144.1		GGGG			74	21

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2962-21490	00000/0000	2-10034/1072	09/10/77	80	3417	7049N	16404W	23.1	162.7		GGGG			92	10
2962-21492	00000/0000	2-10034/1073	09/10/77	80	3417	6932N	16608W	24.1	160.4		GGGG			92	11
2962-21495	00000/0000	2-10034/1074	09/10/77	80	3417	6813N	16758W	25.2	158.4		GGGG			92	12
2962-21501	00000/0000	2-10034/1075	09/10/77	70	3417	6654N	16937W	26.1	156.4		GGGG			92	13
2962-21504	00000/0000	2-10034/1076	09/10/77	70	3417	6533N	17106W	27.1	154.6		GGGG			92	14
2962-18324	00000/0000	2-10034/1004	09/11/77	90	3429	5557N	12823W	33.4	144.3		FGGF			57	21
2963-18331	00000/0000	2-10034/1005	09/11/77	90	3429	5433N	12910W	34.3	143.0		FGGF			57	22
2963-20115	00000/0000	2-10034/1077	09/11/77	90	3430	6932N	14144W	23.8	160.6		GGGG			75	11
2963-20121	00000/0000	2-10034/1078	09/11/77	90	3430	6813N	14334W	24.8	158.5		FGFG			75	12
2963-20124	00000/0000	2-10034/1079	09/11/77	90	3430	6654N	14513W	25.8	156.6		FGFF			75	13
2963-20130	00000/0000	2-10034/1080	09/11/77	90	3430	6533N	14642W	26.8	154.8		GGGG			75	14
2963-20133	00000/0000	2-10034/1081	09/11/77	90	3430	6412N	14802W	27.8	153.1		FGGG			75	15
2963-20135	00000/0000	2-10034/1082	09/11/77	90	3430	6250N	14916W	28.7	151.5		GGGG			75	16
2963-20142	00000/0000	2-10034/1083	09/11/77	80	3430	6128N	15024W	29.7	150.0		GGGG			75	17
2963-20144	00000/0000	2-10034/1084	09/11/77	80	3430	6006N	15127W	30.6	148.5		GGGG			75	18
2963-20151	00000/0000	2-10034/1085	09/11/77	90	3430	5843N	15226W	31.6	147.1		FGGG			75	19
2963-20153	00000/0000	2-10034/1086	09/11/77	70	3430	5719N	15319W	32.5	145.7		GGGG			75	20
2963-20160	00000/0000	2-10034/1087	09/11/77	80	3430	5556N	15410W	33.4	144.3		GGGG			75	21
2963-21550	00000/0000	2-10034/1088	09/11/77	90	3431	6934N	16730W	23.7	160.6		GGGG			93	11
2963-21553	00000/0000	2-10034/1089	09/11/77	80	3431	6815N	16921W	24.7	158.5		GGGG			93	12
2963-21555	00000/0000	2-10034/1090	09/11/77	70	3431	6656N	17059W	25.7	156.6		FGGF			93	13
2963-22000	00000/0000	2-10034/1091	09/11/77	90	3431	5309N	17827E	35.1	141.7		GGFG			93	23
2964-18380	00000/0000	2-10034/1056	09/12/77	90	3443	5720N	12900W	32.2	145.9		GGGG			58	20
2964-18382	00000/0000	2-10034/1057	09/12/77	90	3443	5556N	12950W	33.1	144.6		GGGG			58	21
2964-18385	00000/0000	2-10034/1058	09/12/77	90	3443	5431N	13037W	34.0	143.2		GGGG			58	22
2964-20170	00000/0000	2-10034/1059	09/12/77	90	3444	7049N	14109W	22.4	163.0		GGGG			76	10
2964-20173	00000/0000	2-10034/1060	09/12/77	90	3444	6931N	14311W	23.4	160.7		GFGG			76	11
2964-20175	00000/0000	2-10034/1061	09/12/77	90	3444	6812N	14501W	24.4	158.6		GGGG			76	12
2964-20182	00000/0000	2-10034/1062	09/12/77	90	3444	6653N	14640W	25.4	156.7		GGGG			76	13
2964-20184	00000/0000	2-10034/1063	09/12/77	90	3444	6532N	14808W	26.4	154.9		GGGG			76	14
2964-20191	00000/0000	2-10034/1064	09/12/77	90	3444	6412N	14928W	27.4	153.2		GGGG			76	15
2964-20193	00000/0000	2-10034/1065	09/12/77	70	3444	6250N	15042W	28.4	151.7		GGGG			76	16
2964-20200	00000/0000	2-10034/1066	09/12/77	20	3444	6127N	15150W	29.3	150.1		GGGG			76	17
2964-20202	00000/0000	2-10034/1067	09/12/77	10	3444	6005N	15253W	30.3	148.7		GGGG			76	18
2964-20205	00000/0000	2-10034/1068	09/12/77	30	3444	5842N	15351W	31.2	147.3		GGFG			76	19
2964-20211	00000/0000	2-10034/1069	09/12/77	30	3444	5719N	15446W	32.1	145.9		GGGG			76	20

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2964-20214	00000/0000	2-10034/1070	09/12/77	20	3444	5555N	15536W	33.1	144.6		FGGG			76	21
2964-22054	00000/0000	2-10034/1071	09/12/77	40	3445	5310N	17701E	34.8	142.0		GGGG			94	23
2965-18434	00000/0000	2-10034/1196	09/13/77	50	3457	5718N	13023W	31.8	146.1		GGGG			59	20
2965-20224	00000/0000	2-10034/1197	09/13/77	50	3458	7052N	14234W	22.0	163.2		GGGG			77	10
2965-20231	00000/0000	2-10034/1198	09/13/77	30	3458	6934N	14438W	23.0	160.9		GGGG			77	11
2965-20233	00000/0000	2-10034/1199	09/13/77	40	3458	6815N	14628W	24.0	158.8		FGGG			77	12
2965-20240	00000/0000	2-10034/1200	09/13/77	80	3458	6656N	14806W	25.0	156.9		FGGG			77	13
2965-20242	00000/0000	2-10034/1201	09/13/77	90	3458	6535N	14935W	26.0	155.1		FGGG			77	14
2965-20245	00000/0000	2-10034/1202	09/13/77	90	3458	6414N	15056W	27.0	153.5		FGFG			77	15
2965-20251	00000/0000	2-10034/1203	09/13/77	90	3458	6253N	15210W	28.0	151.9		FGGG			77	16
2965-20254	00000/0000	2-10034/1204	09/13/77	100	3458	6131N	15318W	28.9	150.4		FGGG			77	17
2965-20260	00000/0000	2-10034/1205	09/13/77	100	3458	6008N	15421W	29.9	148.9		FGGG			77	18
2965-20263	00000/0000	2-10034/1206	09/13/77	90	3458	5845N	15519W	30.8	147.5		FGGG			77	19
2965-20265	00000/0000	2-10034/1207	09/13/77	90	3458	5721N	15614W	31.8	146.2		FGGG			77	20
2965-20272	00000/0000	2-10034/1208	09/13/77	90	3458	5557N	15704W	32.7	144.8		FGGG			77	21
2965-20274	00000/0000	2-10034/1209	09/13/77	90	3458	5433N	15752W	33.6	143.5		FGGG			77	22
2966-18485	00000/0000	2-10034/1104	09/14/77	90	3471	5845N	13056W	30.5	147.7		GGFG			60	19
2966-18492	00000/0000	2-10034/1105	09/14/77	90	3471	5721N	13150W	31.4	146.4		FGFG			60	20
2966-18494	00000/0000	2-10034/1106	09/14/77	80	3471	5558N	13240W	32.4	145.1		FGFG			60	21
2966-18501	00000/0000	2-10034/1107	09/14/77	90	3471	5434N	13328W	33.3	143.8		FGFG			60	22
2966-18503	00000/0000	2-10034/1108	09/14/77	90	3471	5310N	13413W	34.2	142.5		FGFG			60	23
2966-20283	00000/0000	2-10034/1109	09/14/77	70	3472	7051N	14404W	21.6	163.3		GGFG			78	10
2966-20285	00000/0000	2-10034/1110	09/14/77	70	3472	6933N	14607W	22.6	161.0		FGGG			78	11
2966-20292	00000/0000	2-10034/1111	09/14/77	90	3472	6814N	14756W	23.7	158.9		FGFG			78	12
2966-20294	00000/0000	2-10034/1112	09/14/77	90	3472	6655N	14933W	24.7	157.0		FGFG			78	13
2966-20303	00000/0000	2-10034/1113	09/14/77	100	3472	6414N	15222W	26.6	153.6		GGFG			78	15
2966-20310	00000/0000	2-10034/1114	09/14/77	90	3472	6252N	15337W	27.6	152.1		GGGG			78	16
2966-20312	00000/0000	2-10034/1115	09/14/77	80	3472	6130N	15445W	28.6	150.6		FGGG			78	17
2966-20315	00000/0000	2-10034/1116	09/14/77	90	3472	6008N	15548W	29.6	149.1		PGFG			78	18
2966-20321	00000/0000	2-10034/1117	09/14/77	90	3472	5844N	15646W	30.5	147.7		PGGG			78	19
2966-20324	00000/0000	2-10034/1118	09/14/77	80	3472	5721N	15740W	31.4	146.4		FGGG			78	20
2966-20330	00000/0000	2-10034/1119	09/14/77	80	3472	5557N	15831W	32.4	145.1		FGGG			78	21
2966-20333	00000/0000	2-10034/1120	09/14/77	90	3472	5433N	15919W	33.3	143.8		FGGG			78	22
2966-22164	00000/0000	2-10034/1121	09/14/77	90	3473	5432N	17451E	33.3	143.8		GGGG			96	22
2967-18541	00000/0000	2-10034/1166	09/15/77	50	3485	6007N	13124W	29.2	149.3		GGGG			61	18
2967-18544	00000/0000	2-10034/1167	09/15/77	10	3485	5844N	13223W	30.2	147.9		GGGG			61	19

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

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME RBV NUMBER
2967-18550	00000/0000	2-10034/1168	09/15/77	10	3485	5720N	13316W	31.1	146.6		GGGG			61	20
2967-18553	00000/0000	2-10034/1169	09/15/77	20	3485	5557N	13407W	32.0	145.3		GGGG			61	21
2967-18555	00000/0000	2-10034/1170	09/15/77	60	3485	5434N	13454W	32.9	144.0		GGGG			61	22
2967-20343	00000/0000	2-10034/1171	09/15/77	40	3486	6933N	14731W	22.3	161.1		GGGG			79	11
2967-20350	00000/0000	2-10034/1172	09/15/77	90	3486	6815N	14922W	23.3	159.1		GGGG			79	12
2967-20352	00000/0000	2-10034/1173	09/15/77	100	3486	6655N	15100W	24.3	157.2		GGPG			79	13
2967-20355	00000/0000	2-10034/1174	09/15/77	100	3486	6535N	15230W	25.3	155.4		GGFG			79	14
2967-20361	00000/0000	2-10034/1175	09/15/77	100	3486	6413N	15351W	26.3	153.8		FGFG			79	15
2967-20364	00000/0000	2-10034/1176	09/15/77	90	3486	6251N	15505W	27.3	152.2		FGGG			79	16
2967-20370	00000/0000	2-10034/1177	09/15/77	90	3486	6129N	15612W	28.2	150.7		PGGG			79	17
2967-20373	00000/0000	2-10034/1178	09/15/77	90	3486	6007N	15714W	29.2	149.3		PGGG			79	18
2967-20375	00000/0000	2-10034/1179	09/15/77	90	3486	5844N	15812W	30.2	147.9		PGGG			79	19
2967-20382	00000/0000	2-10034/1180	09/15/77	90	3486	5721N	15906W	31.1	146.6		PGGG			79	20
2967-20384	00000/0000	2-10034/1181	09/15/77	90	3486	5557N	15958W	32.0	145.3		PGFG			79	21
2967-20391	00000/0000	2-10034/1182	09/15/77	90	3486	5433N	16045W	32.9	144.0		PGFG			79	22
2968-18593	00000/0000	2-10034/1148	09/16/77	50	3499	6130N	13149W	27.9	150.9		GGGG			62	17
2968-18595	00000/0000	2-10034/1149	09/16/77	90	3499	6007N	13252W	28.9	149.5		GGGG			62	18
2968-19002	00000/0000	2-10034/1150	09/16/77	90	3499	5844N	13350W	29.8	148.1		GGGG			62	19
2968-19004	00000/0000	2-10034/1151	09/16/77	90	3499	5721N	13445W	30.8	146.8		GGGG			62	20
2968-19011	00000/0000	2-10034/1152	09/16/77	100	3499	5557N	13535W	31.7	145.5		GGGG			62	21
2968-20395	00000/0000	2-10034/1153	09/16/77	80	3500	7051N	14651W	20.9	163.5		GGGG			80	10
2968-20401	00000/0000	2-10034/1154	09/16/77	60	3500	6933N	14855W	21.9	161.2		GGGG			80	11
2968-20404	00000/0000	2-10034/1155	09/16/77	10	3500	6814N	15046W	22.9	159.2		GGGG			80	12
2968-20410	00000/0000	2-10034/1156	09/16/77	10	3500	6655N	15224W	23.9	157.3		GGGG			80	13
2968-20413	00000/0000	2-10034/1157	09/16/77	10	3500	6535N	15354W	24.9	155.6		GGGG			80	14
2968-20415	00000/0000	2-10034/1158	09/16/77	40	3500	6413N	15515W	25.9	153.9		GGGG			80	15
2968-20422	00000/0000	2-10034/1159	09/16/77	60	3500	6251N	15628W	26.9	152.4		GGGG			80	16
2968-20424	00000/0000	2-10034/1160	09/16/77	60	3500	6129N	15736W	27.9	150.9		GGGG			80	17
2968-20431	00000/0000	2-10034/1161	09/16/77	50	3500	6006N	15838W	28.9	149.5		GGGG			80	18
2968-20433	00000/0000	2-10034/1162	09/16/77	40	3500	5843N	15936W	29.8	148.1		GGGG			80	19
2968-20440	00000/0000	2-10034/1163	09/16/77	70	3500	5720N	16031W	30.8	146.8		GGGG			80	20
2968-20442	00000/0000	2-10034/1164	09/16/77	80	3500	5556N	16122W	31.7	145.5		GGGG			80	21
2968-20445	00000/0000	2-10034/1165	09/16/77	30	3500	5433N	16209W	32.6	144.2		GGGG			80	22
2969-19053	00000/0000	2-10034/1257	09/17/77	90	3513	6006N	13417W	28.5	149.7		GGGG			63	18
2969-19060	00000/0000	2-10034/1258	09/17/77	80	3513	5843N	13515W	29.5	148.3		FFG			63	19
2969-19062	00000/0000	2-10034/1259	09/17/77	30	3513	5720N	13609W	30.4	147.0		FFGG			63	20

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-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
2969-20453	00000/0000	2-10034/1260	09/17/77	80	3514	7053N	14818W	20.4	163.7		GFGG			81	10
2969-20462	00000/0000	2-10034/1261	09/17/77	80	3514	6817N	15210W	22.5	159.4		GGGG			81	12
2969-20464	00000/0000	2-10034/1262	09/17/77	90	3514	6658N	15348W	23.5	157.5		GGGG			81	13
2969-20471	00000/0000	2-10034/1263	09/17/77	90	3514	6537N	15517W	24.5	155.8		GGGG			81	14
2969-20473	00000/0000	2-10034/1264	09/17/77	90	3514	6416N	15639W	25.5	154.1		GGGG			81	15
2969-20480	00000/0000	2-10034/1265	09/17/77	90	3514	6254N	15753W	26.5	152.6		GGGG			81	16
2969-20482	00000/0000	2-10034/1266	09/17/77	90	3514	6132N	15901W	27.5	151.1		GGGG			81	17
2969-20485	00000/0000	2-10034/1267	09/17/77	80	3514	6009N	16005W	28.5	149.7		GGGG			81	18
2969-20491	00000/0000	2-10034/1268	09/17/77	80	3514	5846N	16104W	29.4	148.4		GGGG			81	19
2969-20494	00000/0000	2-10034/1269	09/17/77	90	3514	5723N	16158W	30.4	147.1		GGGG			81	20
2969-20500	00000/0000	2-10034/1270	09/17/77	90	3514	5559N	16249W	31.3	145.8		FGGF			81	21
2969-20503	00000/0000	2-10034/1271	09/17/77	90	3514	5435N	163[illegible]	32.2	144.5		GGGF			81	22
2969-20505	00000/0000	2-10034/1272	09/17/77	90	3514	5311N	1642[illegible]W	[illegible]3.1	143.3		GGFG			81	23
2970-19105	00000/0000	2-10034/1443	09/18/77	80	3527	6130N	13436W	[illegible]7.2	151.3		GGGG			64	17
2970-19111	00000/0000	2-10034/1444	09/18/77	70	3527	6008N	13540W	[illegible]8.2	149.9		GGGG			64	18
2970-19114	00000/0000	2-10034/1445	09/18/77	90	3527	5844N	13638W	29.1	148.5		GGGG			64	19
2970-19120	00000/0000	2-10034/1446	09/18/77	90	3527	5721N	13733W	30.1	147.2		GGGG			64	20
2970-20511	00000/0000	2-10034/1447	09/18/77	80	3528	7053N	14943W	20.1	163.8		GGGG			82	10
2970-20513	00000/0000	2-10034/1448	09/18/77	80	3528	6936N	15146W	21.1	161.6		GGGG			82	11
2970-20520	00000/0000	2-10034/1449	09/18/77	80	3528	6816N	15337W	22.1	159.5		GGGG			82	12
2970-20522	00000/0000	2-10034/1450	09/18/77	70	3528	6657N	15515W	23.1	157.7		GGGG			82	13
2970-20525	00000/0000	2-10034/1451	09/18/77	80	3528	6536N	15644W	24.2	155.9		GGGG			82	14
2970-20531	00000/0000	2-10034/1452	09/18/77	80	3528	6415N	15805W	25.2	154.3		GGGG			82	15
2970-20534	00000/0000	2-10034/1453	09/18/77	80	3528	6254N	15920W	26.2	152.8		GGGG			82	16
2970-20540	00000/0000	2-10034/1454	09/18/77	80	3528	6131N	16027W	27.1	151.3		GGGG			82	17
2970-20545	00000/0000	2-10034/1455	09/18/77	70	3528	5846N	16228W	29.1	148.6		GGGG			82	19
2970-20552	00000/0000	2-10034/1456	09/18/77	70	3528	5723N	16322W	30.0	147.3		GGGG			82	20
2970-20554	00000/0000	2-10034/1457	09/18/77	80	3528	5559N	16413W	31.0	146.0		GGGG			82	21
2970-20561	00000/0000	2-10034/1458	09/18/77	30	3528	5435N	16500W	31.9	144.7		GGGG			82	22
2970-20563	00000/0000	2-10034/1459	09/18/77	80	3528	5311N	16545W	32.8	143.5		GGGG			82	23
2971-19163	00000/0000	2-10034/1315	09/19/77	40	3541	6133N	13603W	26.8	151.5		GGGG			65	17
2971-19165	00000/0000	2-10034/1316	09/19/77	60	3541	6010N	13706W	27.8	150.1		GGGG			65	18
2971-19172	00000/0000	2-10034/1317	09/19/77	70	3541	5846N	13804W	28.7	148.8		GGGG			65	19
2971-19174	00000/0000	2-10034/1318	09/19/77	50	3541	5723N	13857W	29.7	147.5		GGGG			65	20
2971-20565	00000/0000	2-10034/1319	09/19/77	80	3542	7053N	15110W	19.7	163.9		GGGG			83	10
2971-20571	00000/0000	2-10034/1320	09/19/77	90	3542	6936N	15314W	20.7	161.7		FGGG			83	11

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

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

OBSERVATION ID	MICROFILM POSITION FBV	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
2971-20574	00000/0000	2-10034/1321	09/19/77	90	3542	6817N	15504W	21.8	159.6		GGGG			83	12
2971-20580	00000/0000	2-10034/1322	09/19/77	90	3542	6657N	15643W	22.8	157.8		GGGG			83	13
2971-20583	00000/0000	2-10034/1323	09/19/77	90	3542	6536N	15812W	23.8	156.1		GGGG			83	14
2971-20585	00000/0000	2-10034/1324	09/19/77	60	3542	6415N	15933W	24.8	154.5		GGGG			83	15
2971-20592	00000/0000	2-10034/1325	09/19/77	60	3542	6253N	16047W	25.8	152.9		GGGG			83	16
2971-20594	00000/0000	2-10034/1326	09/19/77	60	3542	6131N	16155W	26.8	151.5		GGGG			83	17
2971-21001	00000/0000	2-10034/1327	09/19/77	70	3542	6008N	16257W	27.8	150.1		GGGG			83	18
2971-21003	00000/0000	2-10034/1328	09/19/77	90	3542	5845N	16355W	28.7	148.8		GGGG			83	19
2971-21010	00000/0000	2-10034/1329	09/19/77	90	3542	5722N	16449W	29.7	147.5		GGGG			83	20
2971-21012	00000/0000	2-10034/1330	09/19/77	100	3542	5558N	16540W	30.6	146.2		GGGG			83	21
2971-21015	00000/0000	2-10034/1331	09/19/77	100	3542	5434N	16628W	31.5	145.0		GGGG			83	22
2971-21021	00000/0000	2-10034/1332	09/19/77	100	3542	5310N	16713W	32.5	143.7		GGGG			83	23
2972-19223	00000/0000	2-10034/1401	09/20/77	10	3555	6010N	13831W	27.4	150.3		GGGF			66	18
2972-19230	00000/0000	2-10034/1402	09/20/77	10	3555	5846N	13929W	28.4	149.0		GGGF			66	19
2972-21023	00000/0000	2-10034/1403	09/20/77	90	3556	7053N	15231W	19.3	164.0		GGGG			84	10
2972-21030	00000/0000	2-10034/1404	09/20/77	80	3556	6935N	15436W	20.4	161.8		GGGG			84	11
2972-21032	00000/0000	2-10034/1405	09/20/77	90	3556	6816N	15626W	21.4	159.8		GGGG			84	12
2972-21035	00000/0000	2-10034/1406	09/20/77	70	3556	6657N	15806W	22.4	157.9		GGGG			84	13
2972-21041	00000/0000	2-10034/1407	09/20/77	90	3556	6536N	15935W	23.4	156.2		GGGF			84	14
2972-21044	00000/0000	2-10034/1408	09/20/77	80	3556	6415N	16056W	24.4	154.6		GGGG			84	15
2972-21050	00000/0000	2-10034/1409	09/20/77	60	3556	6253N	16210W	25.4	153.1		GGGG			84	16
2972-21053	00000/0000	2-10034/1410	09/20/77	60	3556	6131N	16317W	26.4	151.7		GGGG			84	17
2972-21055	00000/0000	2-10034/1411	09/20/77	70	3556	6009N	16420W	27.4	150.3		GGGG			84	18
2972-21062	00000/0000	2-10034/1412	09/20/77	60	3556	5846N	16518W	28.4	149.0		GGGG			84	19
2972-21064	00000/0000	2-10034/1413	09/20/77	60	3556	5722N	16613W	29.3	147.7		GGGG			84	20
2972-21071	00000/0000	2-10034/1414	09/20/77	70	3556	5558N	16704W	30.3	146.4		GGGG			84	21
2972-21073	00000/0000	2-10034/1415	09/20/77	70	3556	5434N	16751W	31.2	145.2		GGGG			84	22
2972-21080	00000/0000	2-10034/1416	09/20/77	80	3556	5310N	16836W	32.1	144.0		GGGG			84	23
2972-21082	00000/0000	2-10034/1417	09/20/77	90	3556	5145N	16918W	33.0	142.8		GGGG			84	24
2973-19273	00000/0000	2-10034/1535	09/21/77	90	3569	6253N	13749W	25.1	153.3		GGGG			67	16
2973-19275	00000/0000	2-10034/1536	09/21/77	90	3569	6132N	13856W	26.1	151.9		FGFG			67	17
2973-19282	00000/0000	2-10034/1537	09/21/77	90	3569	6009N	13959W	27.1	150.5		FGGG			67	18
2973-19284	00000/0000	2-10034/1538	09/21/77	90	3569	5846N	14057W	28.0	149.2		FGGG			67	19
2973-21081	00000/0000	2-10034/1476	09/21/77	80	3570	7052N	15402W	18.9	164.1		GGGG			85	10
2973-21084	00000/0000	2-10034/1477	09/21/77	80	3570	6935N	15606W	20.0	161.9		GGGG			85	11
2973-21090	00000/0000	2-10034/1478	09/21/77	60	3570	6816N	15756W	21.0	159.9		GGGG			85	12

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

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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 4567	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2973-21093	00000/0000	2-10034/1479	09/21/77	30	3570	6656N	15936W	22.0	158.1		GGGG			85	13
2973-21095	00000/0000	2-10034/1480	09/21/77	30	3570	6535N	16106W	23.1	156.4		GGGG			85	14
2973-21102	00000/0000	2-10034/1481	09/21/77	20	3570	6414N	16227W	24.1	154.8		GGGG			85	15
2973-21104	00000/0000	2-10034/1482	09/21/77	60	3570	6252N	16341W	25.1	153.3		GGGG			85	16
2973-21111	00000/0000	2-10034/1483	09/21/77	50	3570	6130N	16448W	26.1	151.8		GGGG			85	17
2973-21113	00000/0000	2-10034/1484	09/21/77	70	3570	6008N	16550W	27.0	150.5		GGGG			85	18
2973-21120	00000/0000	2-10034/1485	09/21/77	90	3570	5845N	16648W	28.0	149.2		GGGG			85	19
2973-21122	00000/0000	2-10034/1486	09/21/77	90	3570	5720N	16743W	29.0	147.9		GGGG			85	20
2973-21125	00000/0000	2-10034/1487	09/21/77	90	3570	5557N	16833W	29.9	146.7		GGGG			85	21
2973-21131	00000/0000	2-10034/1488	09/21/77	90	3570	5433N	16921W	30.9	145.4		GGGG			85	22
2973-21134	00000/0000	2-10034/1489	09/21/77	90	3570	5309N	17006W	31.8	144.2		GGGG			85	23
2973-21140	00000/0000	2-10034/1490	09/21/77	100	3570	5144N	17048W	32.7	143.0		GGGG			85	24
2975-19373	00000/0000	2-10034/1545	09/23/77	80	3597	6658N	13632W	21.3	158.3		GGGG			69	13
2975-19380	00000/0000	2-10034/1546	09/23/77	90	3597	6537N	13802W	22.3	156.6		GGGG			69	14
2975-19382	00000/0000	2-10034/1547	09/23/77	20	3597	6416N	13924W	23.4	155.1		GGGG			69	15
2975-19385	00000/0000	2-10034/1548	09/23/77	40	3597	6254N	14039W	24.4	153.6		GGGG			69	16
2975-19391	00000/0000	2-10034/1549	09/23/77	10	3597	6132N	14147W	25.4	152.2		GGGG			69	17
2975-19394	00000/0000	2-10034/1550	09/23/77	10	3597	6009N	14250W	26.3	150.8		GGGG			69	18
2975-19400	00000/0000	2-10034/1551	09/23/77	20	3597	5846N	14348W	27.3	149.5		GGGG			69	19
2975-21191	00000/0000	2-10034/1552	09/23/77	40	3598	7211N	15427W	17.1	166.9		GGGG			87	9
2975-21193	00000/0000	2-10034/1553	09/23/77	90	3598	7055N	15647W	18.1	164.4		GGGG			87	10
2975-21200	00000/0000	2-10034/1554	09/23/77	90	3598	6938N	15851W	19.2	162.2		GGGG			87	11
2975-21202	00000/0000	2-10034/1555	09/23/77	90	3598	6819N	16041W	20.2	160.2		GGGG			87	12
2975-21205	00000/0000	2-10034/1556	09/23/77	90	3598	6700N	16220W	21.3	158.4		GGGG			87	13
2975-21211	00000/0000	2-10034/1557	09/23/77	90	3598	6539N	16351W	22.3	156.7		GGGG			87	14
2975-21214	00000/0000	2-10034/1558	09/23/77	100	3598	6418N	16513W	23.3	155.1		GGGG			87	15
2975-21220	00000/0000	2-10034/1559	09/23/77	90	3598	6256N	16627W	24.3	153.6		GGGG			87	16
2975-21223	00000/0000	2-10034/1560	09/23/77	50	3598	6134N	16735W	25.3	152.2		GGGG			87	17
2975-21225	00000/0000	2-10034/1561	09/23/77	30	3598	6011N	16838W	26.3	150.9		GGGG			87	18
2975-21232	00000/0000	2-10034/1562	09/23/77	20	3598	5848N	16936W	27.3	149.6		GGGG			87	19
2975-21234	00000/0000	2-10034/1563	09/23/77	10	3598	5725N	17030W	28.2	148.3		GGGG			87	20
2975-21241	00000/0000	2-10034/1564	09/23/77	10	3598	5601N	17121W	29.2	147.1		GGGG			87	21
2975-21243	00000/0000	2-10034/1565	09/23/77	10	3598	5437N	17209W	30.2	145.9		GGGG			87	22
2975-21250	00000/0000	2-10034/1566	09/23/77	10	3598	5313N	17253W	31.1	144.7		GGGG			87	23
2975-21252	00000/0000	2-10034/1567	09/23/77	10	3598	5148N	17336W	32.0	143.6		GGGG			87	24
2976-19434	00000/0000	2-10034/1569	09/24/77	80	3611	6536N	13932W	22.0	156.8		FFGG			70	14

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

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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 RBN NUMBER
2976-19440	00000/0000	2-10034/1570	09/24/77	90	3611	6415N	14054W	23.0	155.2		GFGG			70	15
2976-19443	00000/0000	2-10034/1571	09/24/77	90	3611	6253N	14208W	24.0	153.7		FGGG			70	16
2976-19445	00000/0000	2-10034/1572	09/24/77	20	3611	6131N	14315W	25.0	152.3		GGGG			70	17
2976-19452	00000/0000	2-10034/1573	09/24/77	10	3611	6008N	14417W	26.0	151.0		GGFG			70	18
2976-19454	00000/0000	2-10034/1574	09/24/77	40	3611	5845N	14515W	27.0	149.7		GGGG			70	19
2976-19461	00000/0000	2-10034/1575	09/24/77	60	3611	5722N	14609W	28.0	148.5		GGFF			70	20
2976-21245	00000/0000	2-10034/1576	09/24/77	80	3612	7210N	15556W	16.7	166.9		GFGG			88	9
2976-21251	00000/0000	2-10034/1577	09/24/77	30	3612	7054N	15816W	17.8	164.5		GFGF			88	10
2976-21254	00000/0000	2-10034/1578	09/24/77	80	3612	6937N	16020W	18.8	162.3		GFFF			88	11
2976-21260	00000/0000	2-10034/1568	09/24/77	100	3612	6818N	16211W	19.9	160.3		G GG			88	12
2976-21263	00000/0000	2-10034/1579	09/24/77	90	3612	6659N	16349W	20.9	158.5		FGGF			88	13
2976-21265	00000/0000	2-10034/1580	09/24/77	80	3612	6539N	16518W	21.9	156.8		GFGG			88	14
2976-21272	00000/0000	2-10034/1581	09/24/77	90	3612	6417N	16640W	22.9	155.3		FGGG			88	15
2976-21274	00000/0000	2-10034/1582	09/24/77	70	3612	6255N	16754W	23.9	153.8		GFGG			88	16
2976-21281	00000/0000	2-10034/1583	09/24/77	90	3612	6133N	16902W	24.9	152.4		GGGG			88	17
2976-21283	00000/0000	2-10034/1584	09/24/77	100	3612	6011N	17005W	25.9	151.1		GGFG			88	18
2976-21290	00000/0000	2-10034/1585	09/24/77	90	3612	5847N	17103W	26.9	149.8		FGGG			88	19
2976-21292	00000/0000	2-10034/1586	09/24/77	70	3612	5724N	17157W	27.9	148.5		GGGF			88	20
2976-21295	00000/0000	2-10034/1587	09/24/77	60	3612	5600N	17248W	28.9	147.3		GGGF			88	21
2976-21301	00000/0000	2-10034/1588	09/24/77	50	3612	5436N	17335W	29.8	146.1		GGGF			88	22
2976-21304	00000/0000	2-10034/1589	09/24/77	50	3612	5312N	17421W	30.8	145.0		FFGF			88	23
2976-21310	00000/0000	2-10034/1590	09/24/77	80	3612	5148N	17503W	31.7	143.8		GGGG			88	24

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

!FIN

LANDSAT 2
COORDINATE LISTING

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

PRINCIPAL PT. OF IMAGE LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
06634W	4730N	2971-14105	70	GGGG	11	27
06709W	4606N	2971-14112	70	GGFG	11	28
06710W	4603N	2953-14122	20	GGGG	11	28
06743W	4441N	2971-14114	70	GGGG	11	29
06743W	4438N	2953-14124	30	GGF	11	29
06801W	4730N	2972-14163	50	GGGG	12	27
06802W	4728N	2954-14173	60	GGGG	12	27
06814W	4315N	2971-14121	90	GGFG	11	30
06814W	4313N	2953-14131	70	GGGF	11	30
06835W	4605N	2972-14170	90	CGGG	12	28
06838W	4603N	2954-14180	90	FGGG	12	28
06845W	4150N	2971-14123	80	GGGG	11	31
06845W	4148N	2953-14133	60	FFFF	11	31
06909W	4440N	2972-14172	90	GGGG	12	29
06911W	4437N	2954-14182	80	GGGG	12	29
06915W	4025N	2971-14130	60	GGGF	11	32
06915W	4023N	2953-14140	20	FFFF	11	32
06926W	4730N	2973-14221	90	GGGG	13	27
06929W	4727N	2955-14232	30	GGGG	13	27
06941W	4315N	2972-14175	100	GGFG	12	30
06943W	4312N	2954-14185	50	GGGG	12	30
07001W	4605N	2973-14224	90	GGGG	13	28
07003W	4603N	2955-14234	70	GGGG	13	28
07011W	4149N	2972-14181	100	CGFG	12	31
07013W	4147N	2954-14191	30	GGGG	12	31
07035W	4439N	2973-14230	100	GGCG	13	29
07036W	4438N	2955-14241	80	GGGG	13	29
07041W	4024N	2972-14184	90	GGGG	12	32
07043W	4022N	2954-14194	20	GGGF	12	32
07107W	4314N	2973-14233	90	GGFG	13	30
07108W	4313N	2955-14243	80	GGGG	13	30
07110W	3859N	2972-14190	60	GGGG	12	33
07111W	3856N	2954-14200	20	GGGF	12	33
07129W	4602N	2956-14292	30	GGGG	14	28
07138W	4148N	2973-14239	90	GGG	13	31
07138W	3732N	2972-14193	50	GGGG	12	34
07138W	3730N	2954-14203	30	FGGF	12	34
07139W	4147N	2955-14250	70	G3GG	13	31
07202W	4437N	2956-14295	30	GGGG	14	29
07205W	3605N	2954-14205	40	GGGG	12	35
07206W	3606N	2972-14195	50	GGGG	12	35
07208W	4023N	2973-14242	100	GGGG	13	32
07209W	4021N	2955-14252	60	GGGG	13	32
07217W	4732N	2975-14335	10	GGG1	15	27
07234W	4312N	2956-14301	30	GGGG	14	30
07238W	3858N	2973-14244	90	GGGF	13	33
07238W	3855N	2955-14255	60	GGGG	13	33
07252W	4607N	2975-14340	10	GGGG	15	28
07304W	4147N	2956-14304	20	GGGG	14	31
07306W	3732N	2973-14251	60	FGGG	13	34
07307W	3730N	2955-14261	30	GGGG	13	34
07326W	4442N	2975-14342	80	GGGG	15	29
07328W	4436N	2957-14353	90	GGGG	15	29
07333W	3606N	2973-14253	50	GGG	13	35
07334W	4021N	2956-14310	30	GFGG	14	32
07334W	3604N	2955-14264	40	GGGG	13	35
07344W	4732N	2976-14392	10	GGGG	16	27
07345W	4729N	2958-14402	50	GGGG	16	27
07358W	4317N	2975-14345	100	FGGG	15	30
07359W	3439N	2973-14260	60	GGGF	13	36
07400W	4312N	2957-14355	80	GGGG	15	30
07400W	3438N	2955-14270	30	GGFF	13	36
07403W	3855N	2956-14313	40	GGGG	14	33
07419W	4607N	2976-14394	10	GGGG	16	28
07420W	4604N	2958-14404	60	GGGG	16	28
07424W	3313N	2973-14262	70	GGG	13	37
07426W	3313N	2955-14273	30	GGGF	13	37
07429W	4152N	2975-14351	90	GGGG	15	31
07431W	3729N	2956-14315	60	GGGG	14	34
07432W	4146N	2957-14362	90	GGGG	15	31
07449W	3147N	2975-14265	50	GGGG	13	38
07450W	3147N	2957-14275	40	GGGG	13	38

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

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 09/01/77 TO 09/30/77

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
07453W	4442N	2976-14401	30	GGGG	16	29	07725W	3732N	2958+14431	50	GGGG	16	34
07454W	4439N	2958-14411	80	GGGG	16	29	07725W	3726N	2940+14442	40	GGGG	16	34
07456W	4433N	2940-14421	30	GFGG	16	29	07730W	2728N	2956-14345	80	GGGG	14	41
07459W	4026N	2975-14354	90	GGGG	15	32	07740W	3151N	2975+14381	50	GGGG	15	38
07459W	3604N	2956-14322	50	GGGG	14	35	07744W	3145N	2957-14391	100	GGGG	15	38
07502W	4020N	2957-14364	90	GGGG	15	32	07745W	4437N	2960+14523	20	GGFG	18	29
07525W	4317N	2976-14403	90	GGGG	16	30	07746W	4434N	2942+14533	30	GGGG	18	29
07526W	4314N	2958-14413	70	GGGG	16	30	07750W	3606N	2976+14424	50	GGGG	16	35
07526W	3438N	2956-14324	40	GGGG	14	36	07752W	3600N	2940-14444	40	GGGG	16	35
07528W	4307N	2940-14424	40	GGGG	16	30	07753W	3606N	2958+14434	50	GGGG	16	35
07528W	3900N	2975-14360	50	GGGG	15	33	07756W	4015N	2941-14491	30	GGGG	17	32
07532W	3854N	2957-14371	70	FGGF	15	33	07804W	3025N	2975+14383	60	GGGG	15	39
07551W	3312N	2956-14331	50	GGGG	14	37	07808W	3019N	2957-14394	70	GGGF	15	39
07556W	4150N	2976-14410	100	GGGG	16	31	07816W	3440N	2976+14430	80	GGGG	16	36
07556W	3735N	2975-14363	40	GGGF	15	34	07817W	4312N	2960+14525	10	GGFG	18	30
07558W	4149N	2958-14420	80	GGGG	16	31	07819W	4309N	2942+14540	70	GGGG	18	30
07559W	4142N	2940-14430	20	GGGG	16	31	07819W	3440N	2958+14440	70	GGGG	16	36
07559W	3729N	2957-14373	10	GGGF	15	34	07819W	3435N	2940-14451	80	FGGG	16	36
07616W	3146N	2956-14333	90	GGGG	14	38	07825W	3850N	2941+14493	20	GGGG	17	33
07622W	3609N	2975-14365	20	GGGF	15	35	07827W	2858N	2975+14390	70	GGGG	15	40
07626W	4024N	2976-14412	90	GGGG	16	32	07832W	2852N	2957-14400	60	GGGG	15	40
07627W	3603N	2957-14380	60	GGGG	15	35	07840W	4558N	2943+14585	60	FG	19	28
07628W	4023N	2958-14422	60	GGGG	16	32	07842W	3315N	2976+14433	40	GGGG	16	37
07628W	4016N	2940-14433	10	GGGG	16	32	07844W	3309N	2940+14453	90	FGGG	16	37
07641W	3020N	2956-14340	90	GGGG	14	39	07845W	3314N	2958-14443	50	GGGG	16	37
07648W	3443N	2975-14372	10	GGGF	15	36	07848W	4146N	2960+14532	60	GGGG	18	31
07653W	3437N	2957-14382	80	FGGG	15	36	07850W	4144N	2942+14542	80	GGGG	18	31
07655W	4306N	2941-14482	50	GGGG	17	30	07851W	2731N	2975+14392	50	GGG	15	41
07655W	3858N	2976-14415	50	GGGG	16	33	07856W	2726N	2957+14403	60	GGGG	15	41
07657W	3858N	2958-14425	40	GGGG	16	33	07907W	3149N	2976+14435	20	GGGG	16	38
07657W	3851N	2940-14435	40	GGGG	16	33	07909W	3147N	2958+14445	20	GGGG	16	38
07706W	2854N	2956-14342	90	GGGG	14	40	07909W	3143N	2940+14460	90	FGGG	16	38
07714W	3317N	2975-14374	30	GGGG	15	37	07911W	4440N	2961-14581	60	FGGG	19	29
07719W	3311N	2957-14385	90	FGGG	15	37	07914W	4433N	2943+14591	80	GGFG	19	29
07723W	3733N	2976-14421	50	GGGG	16	34	07914W	2604N	2975+14395	50	GGGP	15	42
07725W	4141N	2941-14484	20	GGGG	17	31	07918W	4021N	2960+14534	70	GGGG	18	32

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 09/01/77 TO 09/30/77

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
07920W	4018N	2942-14545	30	GGGG	18	32	08110W	4312N	2962-15042	50	GGGG	20	30
07920W	2601N	2957-14405	40	FGGG	15	42	08110W	3437N	2942-14563	10	GGGG	18	36
07932W	3023N	2976-14442	20	GGGG	16	39	08112W	4307N	2944-15052	90	GGGG	20	30
07933W	3017N	2940-14462	70	FGGG	16	39	08114W	3857N	2961-14595	10	GGGG	19	33
07934W	3021N	2958-14452	30	GGGG	16	39	08116W	3853N	2943-15005	70	GGGG	19	33
07943W	4314N	2961-14583	60	GGGG	19	30	08125W	2850N	2941-14523	80	FGGG	17	40
07946W	4308N	2943-14594	30	GGGG	19	30	08128W	4606N	2963-15091	20	GGGG	21	28
07947W	3855N	2960-14541	60	GGGG	18	33	08132W	4600N	2945-15101	10	FGGG	21	28
07949W	3853N	2942-14551	30	GGGG	18	33	08134W	3312N	2960-14555	80	GGGG	18	37
07956W	2857N	2976-14444	20	GGGG	16	40	08135W	3311N	2942-14565	20	GGGG	18	37
07958W	2855N	2958-14454	30	GGGG	16	40	08141W	4147N	2962-15044	30	GGGG	20	31
07958W	2851N	2940-14465	20	FGGG	16	40	08142W	3731N	2961-15001	50	GGGG	19	34
08004W	4604N	2962-15033	90	GGGG	20	28	08144W	4142N	2944-15054	90	GGGG	20	31
08006W	4557N	2944-15043	40	GGGG	20	28	08144W	3727N	2943-15012	50	GGGG	19	34
08011W	3309N	2941-14511	70	GGGF	17	37	08159W	3146N	2960-14561	60	GGGG	18	38
08015W	4149N	2961-14590	30	GGGG	19	31	08200W	3145N	2942-14572	60	GGGG	18	38
08015W	3730N	2960-14543	90	GGFG	18	34	08202W	4441N	2963-15093	30	GGGG	21	29
08016W	3728N	2942-14554	30	GGGG	18	34	08205W	4435N	2945-15103	30	FGGF	21	29
08017W	4856N	2963-15082	90	GGGG	21	26	08209W	3606N	2961-15004	70	GGGG	19	35
08017W	4143N	2943-15000	50	GGGG	19	31	08211W	4022N	2962-15051	10	GGGG	20	32
08021W	2731N	2976-14451	30	GGGG	16	41	08211W	3601N	2943-15014	60	GGGG	19	35
08021W	2729N	2958-14461	40	GGGG	16	41	08213W	4017N	2944-15061	80	GGGG	20	32
08021W	2726N	2940-14471	20	GGGG	16	41	08222W	4724N	2946-15152	70	GGGG	22	27
08036W	3143N	2941-14514	80	GGGG	17	38	08224W	3019N	2960-14564	50	GGGG	18	39
08038W	4438N	2962-15035	70	GFGG	20	29	08225W	3018N	2942-14574	70	GGGG	18	39
08039W	4432N	2944-15045	40	GGFG	20	29	08234W	4315N	2963-15100	30	GGGG	21	30
08042W	3604N	2960-14550	90	FGGG	18	35	08235W	3440N	2961-15010	60	GGGG	19	36
08044W	3602N	2942-14560	30	GGGG	18	35	08237W	4310N	2945-15110	30	FGGG	21	30
08044W	2559N	2940-14474	20	GGGG	16	42	08237W	3435N	2943-15021	10	GGFG	19	36
08045W	4023N	2961-14592	10	GGGG	19	32	08240W	3856N	2962-15053	20	GGGG	20	33
08047W	4019N	2943-15003	60	GGGG	19	32	08242W	3851N	2944-15063	60	GGGG	20	33
08053W	4731N	2963-15084	70	GGGG	21	27	08248W	2853N	2960-14570	30	GGGF	18	40
08057W	4724N	2945-15094	40	GGGG	21	27	08249W	2853N	2942-14581	80	GGGG	18	40
08101W	3017N	2941-14520	90	GGGG	17	39	08258W	4559N	2946-15155	30	GGGG	22	28
08107W	2432N	2940-14480	10	GGGG	16	43	08301W	3314N	2961-15013	70	GGGG	19	37
08108W	3438N	2960-14552	90	GGGG	18	36	08302W	3309N	2943-15023	10	GGFG	19	37

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

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
08306W	4150N	2963-15102	20	GGGG	21	31	08527W	3442N	2963+15123	0	GGGG	21	36
08307W	3731N	2962-15060	90	GGGG	20	34	08528W	4314N	2965+15212	90	FGGG	23	30
08308W	4145N	2945-15112	60	FGGG	21	31	08528W	3436N	2945-15133	50	GFGG	21	36
08309W	3723N	2944-15070	60	GGGG	20	34	08532W	3853N	2946+15175	10	FGG	22	33
08311W	4854N	2963-15194	80	GGGG	23	26	08541W	2855N	2962-15083	20	GG G	20	40
08326W	3149N	2961-15015	40	GGGG	19	38	08549W	4601N	2948+15271	80	GGGG	24	28
08328W	3143N	2943-15030	40	GGGG	19	38	08550W	4603N	2966+15261	10	GGGG	24	28
08331W	4434N	2946-15161	10	GGGG	22	29	08553W	3316N	2963+15125	10	GGGG	21	37
08334W	3604N	2962-15062	60	FGGG	20	35	08554W	3310N	2945-15135	60	GGFG	21	37
08336W	4024N	2963-15105	20	GGGG	21	32	08559W	4148N	2965+15214	90	FFFF	23	31
08336W	3600N	2944-15072	60	GGGG	20	35	08600W	3727N	2946-15182	70	GFG	22	34
08338W	4019N	2945-15115	90	FFGG	21	32	08601W	4143N	2947+15225	30	GGGG	23	31
08348W	4730N	2965-15200	90	GGGG	23	27	08603W	4853N	2967-15310	20	FFFF	25	26
08351W	3023N	2961-15022	10	GGGG	19	33	08618W	3151N	2963+15132	30	GGGG	21	38
08352W	3017N	2943-15032	80	GGFG	19	39	08619W	3144N	2945+15142	90	GGFG	21	38
08401W	3439N	2962-15065	90	GGGG	20	36	08622W	4436N	2948+15274	60	GGGG	24	29
08402W	3434N	2944-15075	30	FGGG	20	36	08623W	4438N	2966+15263	10	GFFG	24	29
08405W	3859N	2963-15111	20	GGGG	21	33	08626W	3602N	2946+15184	50	FGGG	22	35
08407W	3853N	2945-15121	80	GFGG	21	33	08629W	4022N	2965+15221	90	GGGG	23	32
08423W	4604N	2965-15203	90	GGGG	23	28	08639W	4728N	2967+15312	30	GGGG	25	27
08427W	3314N	2962-15071	40	FGGG	20	37	08642W	4726N	2949-15323	80	GGGG	25	27
08427W	3308N	2944-15081	20	GFGG	20	37	08642W	3024N	2963+15134	30	GGGG	21	39
08433W	3733N	2963-15114	10	GGFG	21	34	08643W	3018N	2945+15144	90	GGGP	21	39
08435W	3727N	2945-15124	60	GGGG	21	34	08652W	3426N	2946+15191	20	GGGG	22	36
08438W	4851N	2948-15262	90	GGGG	24	26	08654W	4310N	2948-15280	30	GGGG	24	30
08439W	4853N	2966-15252	0	FGGG	24	26	08655W	4313N	2966+15270	10	FGFF	24	30
08452W	3148N	2962-15074	10	GGGG	20	38	08658W	3857N	2965+15223	80	GGGG	23	33
08452W	3142N	2944-15084	30	GGGG	20	38	08714W	4603N	2967+15315	90	GGGG	25	28
08456W	4439N	2965-15205	90	GGGG	23	29	08717W	4601N	2949-15325	70	GGGG	25	28
08500W	3608N	2963-15120	0	GGGG	21	35	08718W	3311N	2946+15193	70	GGFG	22	37
08502W	3601N	2945-15130	70	FGGG	21	35	08725W	4146N	2948+15283	20	GGGG	24	31
08504W	4013N	2966-15173	10	GGG	22	32	08726W	4148N	2966+15272	20	GGGG	24	31
08514W	4726N	2948-15265	90	FGGG	24	27	08726W	3731N	2965+15230	90	FGGG	23	34
08515W	4728N	2966-15254	10	FFGF	24	27	08727W	4857N	2968+15364	30	GGGG	26	26
08517W	3022N	2962-15080	10	GGG	20	39	08727W	3727N	2947+15240	30	GGGG	23	34
08517W	3016N	2944-15090	70	GGGG	20	39	08731W	4851N	2950+15374	60	GGGG	26	26

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 09/01/77 TO 09/30/77

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
087 44W	3144N	2946-15200	80	GGFG	22	38	089 45W	4316N	2968-15382	100	GGGG	26	30
087 47W	4438N	2967-15321	90	GGGG	25	29	089 45W	4311N	2950+15392	40	GGGG	26	30
087 50W	4436N	2949-15332	80	GGGG	25	29	089 47W	3438N	2948+15303	80	GGGG	24	36
087 53W	3606N	2965-15232	90	GGGG	23	35	089 47W	3438N	2966+15293	90	GGGG	24	36
087 55W	3601N	2947-15243	40	GGGG	23	35	089 49W	3856N	2967-15335	80	GGGG	25	33
087 56W	4022N	2966-15275	30	GGGG	24	32	090 06W	4606N	2969+15431	80	GGGG	27	28
087 56W	4021N	2948-15285	20	GGGG	24	32	090 07W	4602N	2951+15441	70	GGGG	27	28
088 04W	4732N	2968-15370	70	GGGG	26	27	090 13W	3312N	2948+15310	70	GGGG	24	37
088 07W	4726N	2950-15381	20	FGGG	26	27	090 13W	3312N	2966-15295	90	GGGG	24	37
088 09W	3018N	2946-15202	70	GGGG	22	39	090 16W	4150N	2968+15384	100	GGGG	26	31
088 19W	4313N	2967-15324	100	GGGG	25	30	090 16W	4146N	2950+15395	40	GGGG	26	31
088 20W	3440N	2965-15235	80	GFGG	23	36	090 17W	3730N	2967+15342	80	GGGG	25	34
088 22W	4310N	2949-15334	80	FGGG	25	30	090 21W	4855N	2970-15480	90	GGGG	28	26
088 22W	3435N	2947-15245	40	GGGG	23	36	090 24W	4850N	2952+15490	100	FGG	28	26
088 25W	3856N	2966-15281	50	GGGG	24	33	090 39W	4436N	2951+15444	70	GGGG	27	29
088 25W	3855N	2948-15292	40	GGGG	24	33	090 40W	4441N	2969+15434	100	GGGG	27	29
088 38W	4607N	2968-15373	100	GGGG	26	28	090 44W	3604N	2967-15344	50	GGGG	25	35
088 42W	4601N	2950-15383	20	GGGG	26	28	090 46W	4024N	2968+15391	90	GGGG	26	32
088 46W	3313N	2965-15241	80	GGGG	23	37	090 46W	4021N	2950+15401	30	GGGG	26	32
088 47W	3309N	2947-15252	40	GGGG	23	37	090 57W	4731N	2970+15483	90	GGGF	28	27
088 50W	4147N	2967-15330	100	GGGG	25	31	091 01W	4725N	2952+15493	90	GGG	28	27
088 53W	4145N	2949-15341	70	GFGG	25	31	091 11W	4311N	2951+15450	80	GGGG	27	30
088 53W	3730N	2966-15284	90	GFGG	24	34	091 11W	3438N	2967-15351	40	GGGG	25	36
088 53W	3729N	2948-15294	50	GGGG	24	34	091 12W	4315N	2969+15440	80	GGGG	27	30
088 54W	4855N	2969-15422	90	GFGG	27	26	091 15W	3859N	2968-15393	60	GGGG	26	33
088 56W	4851N	2951-15432	80	GGGG	27	26	091 15W	3855N	2950+15404	70	GGGG	26	33
089 11W	3148N	2965-15244	70	GGGG	23	38	091 32W	4605N	2970-15485	90	GGGG	28	28
089 12W	4441N	2948-15375	100	GGGG	26	29	091 36W	4601N	2952+15495	80	GGGG	28	28
089 12W	3143N	2947-15254	50	GGGG	23	38	091 36W	3313N	2967-15353	60	GGGG	25	37
089 15W	4436N	2950-15390	20	GGGG	26	29	091 39W	3312N	2949+15364	50	GGGG	25	37
089 20W	4022N	2967-15333	90	GGGG	25	32	091 42W	4145N	2951+15453	70	GGGG	27	31
089 20W	3604N	2948-15301	70	GGGG	24	35	091 43W	4150N	2969+15443	50	GGGG	27	31
089 20W	3604N	2966-15290	90	GFGF	24	35	091 43W	3733N	2968-15400	40	GGGG	26	34
089 23W	4020N	2949-15343	60	GGGG	25	32	091 48W	4855N	2971+15534	100	GGF	29	26
089 31W	4731N	2969-15425	90	GGGG	27	27	091 48W	4853N	2953+15544	70	GGGG	29	26
089 32W	4726N	2951-15435	70	GGGG	27	27	092 06W	4440N	2970+15492	80	GGGG	28	29

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 09/01/77 TO 09/30/77

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
09209W	4435N	2952-15502	40	GGGG	28	29	09404W	3437N	2951+15473	10	GGGG	27	36
09211W	3608N	2968-15402	40	GGGG	26	35	09405W	4314N	2971+15552	90	GGGF	29	30
09211W	3603N	2950-15413	90	GGGG	26	35	09405W	4313N	2953+15562	50	GGGG	29	30
09212W	4019N	2951-15455	90	GGGG	27	32	09409W	3858N	2970+15510	50	GGFF	28	33
09213W	4024N	2969-15445	70	GGGG	27	32	09412W	3852N	2952+15520	80	GGGG	28	33
09224W	4729N	2953-15551	80	GGGG	29	27	09417W	2856N	2968+15423	30	GGGG	26	40
09224W	4729N	2971-15541	90	GGG	29	27	09417W	2853N	2950+15433	50	PGGG	26	40
09237W	3442N	2968-15405	80	GGGG	26	36	09426W	4604N	2972+16001	90	FGGG	30	28
09237W	3437N	2950-15415	90	GGGG	26	36	09427W	4603N	2954+16012	30	GGGG	30	28
09238W	4315N	2970-15494	70	GGGG	28	30	09429W	3315N	2969+15470	60	GGGG	27	37
09241W	3854N	2951-15462	70	GGGG	27	33	09429W	3311N	2951+15480	10	GFGG	27	37
09242W	4310N	2952-15504	50	GFGG	28	30	09436W	4149N	2971+15555	50	GGGF	29	31
09242W	3859N	2969-15452	60	GGGG	27	33	09436W	4148N	2953-15565	90	GGGG	29	31
09259W	4604N	2953-15553	70	GGGG	29	28	09436W	3732N	2970+15512	40	GGGG	28	34
09259W	4604N	2971-15543	80	GGGP	29	28	09439W	3727N	2952+15522	70	GGFG	28	34
09303W	3315N	2968-15411	90	GGGG	26	37	09440W	4854N	2973+16050	80	GGGG	31	26
09304W	3312N	2950-15422	70	GGGG	26	37	09440W	2727N	2950-13440	20	PGGG	26	41
09309W	3728N	2951-15464	60	GGGG	27	34	09441W	4853N	2955+16061	90	FGGF	31	26
09310W	4150N	2970-15501	70	GGGG	28	31	09441W	2730N	2968-15425	30	GGGG	26	41
09310W	3733N	2969-15454	30	GGGG	27	34	09454W	3148N	2969+15472	60	GGGG	27	38
09313W	4144N	2952-15511	60	GGGG	28	31	09454W	3145N	2951+15482	10	GGGG	27	38
09315W	4855N	2972-15592	30	GGGG	30	26	09459W	4439N	2972+16004	70	GGGG	30	29
09316W	4854N	2954-16003	70	GGGG	30	26	09501W	4438N	2954+16014	40	GGGG	30	29
09328W	3149N	2968-15414	90	GGGG	26	38	09503W	3607N	2970+15515	50	GGGG	28	35
09329W	3147N	2950-15424	80	FGGG	26	38	09503W	2604N	2968-15432	30	GGGG	26	42
09333W	4440N	2971-15550	90	GGGP	29	29	09503W	2601N	2950+15442	10	FGGG	26	42
09333W	4439N	2953-15560	30	GGGG	29	29	09505W	4022N	2953+15571	80	GGGG	29	32
09337W	3606N	2969-15461	30	GGGG	27	35	09506W	4023N	2971+15561	40	GGGF	29	32
09337W	3603N	2951-15471	30	GGGG	27	35	09506W	3602N	2952-15525	20	GGGG	28	35
09340W	4024N	2970-15503	60	FGGG	28	32	09517W	4729N	2973+16053	70	GGGG	31	27
09343W	4018N	2952-15513	90	FGGG	28	32	09517W	4728N	2955-16063	30	GGG	31	27
09351W	4730N	2972-15595	70	GGGG	30	27	09519W	3022N	2969+15475	60	GGGG	27	39
09353W	4729N	2954-16005	70	GGGG	30	27	09519W	3020N	2951-15485	60	GGGG	27	39
09353W	3023N	2968-15420	60	GGGG	26	39	09525W	2438N	2968+15434	20	GGGG	26	43
09353W	3020N	2950-15431	80	GGGG	26	39	09526W	2434N	2950+15445	10	GGGG	26	43
09404W	3441N	2969-15463	60	GGGG	27	36	09529W	3441N	2970+15521	50	GGGG	28	36

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

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
09531W	4314N	2972-16010	20	FGGG	30	30	09657W	4313N	2973▼16064	90	GGGG	31	30
09532W	3436N	2952-15531	20	GGGG	28	36	09700W	3858N	2972▼16022	70	GGGG	30	33
09533W	4313N	2954-16021	70	GGGG	30	30	09702W	3855N	2954-16032	40	GGGG	30	33
09534W	3857N	2953-15574	90	GGGF	29	33	09708W	2856N	2970▼15535	50	GGGG	28	40
09535W	3858N	2971-15564	10	GGGF	29	33	09712W	2852N	2952▼15545	50	GGGG	28	40
09543W	2855N	2969-15481	40	GGGG	27	40	09718W	4602N	2956▼16124	60	GGGG	32	28
09543W	2853N	2951-15491	70	GFGG	27	40	09720W	3314N	2971▼15582	10	GGGG	29	37
09552W	4604N	2973-16055	80	GGGG	31	28	09722W	3314N	2953▼15592	30	GGGG	29	37
09552W	4603N	2955-16070	60	GGG	31	28	09728W	4858N	2975-16163	100	GGGG	33	26
09555W	3314N	2970-15524	50	GGGG	28	37	09728W	4148N	2973▼16071	50	GGGG	31	31
09557W	3310N	2952-15534	10	GGGG	28	37	09728W	4147N	2955-16081	50	GGGG	31	31
09602W	4149N	2972-16013	20	GGGG	30	31	09728W	3732N	2972▼16024	50	GGGG	30	34
09602W	3733N	2971-15570	0	FGGG	29	34	09730W	3730N	2954-16035	50	FGGG	30	34
09602W	3731N	2953-15580	80	GGGG	29	34	09732W	4851N	2957▼16173	90	GGGG	33	26
09604W	4147N	2954-16023	80	GGGG	30	31	09732W	2730N	2970-15542	40	GGGG	28	41
09606W	4852N	2956-16115	100	G GG	32	26	09735W	2726N	2952▼15552	60	GGGG	28	41
09606W	2729N	2969-15484	40	GGGF	27	41	09746W	3148N	2971▼15584	20	GGGG	29	38
09607W	2726N	2951-15494	50	GGGG	27	41	09747W	3148N	2953▼15594	50	GGGG	29	38
09620W	3148N	2970-15530	50	GGGG	28	38	09751W	4437N	2956▼16130	40	G GG	32	29
09622W	3145N	2952-15540	10	GGGG	28	38	09755W	3606N	2972▼16031	60	GGGG	30	35
09625W	4439N	2973-16062	90	GGGG	31	29	09755W	2603N	2970-15544	30	GGGG	28	42
09625W	4438N	2955-16072	80	GGGG	31	29	09757W	3604N	2954▼16041	20	GGGG	30	35
09629W	3606N	2971-15573	0	GGG	29	35	09757W	2559N	2952-15554	60	GGGG	28	42
09629W	3605N	2953-15583	30	GGGG	29	35	09758W	4023N	2973▼16073	30	GGGG	31	32
09630W	2603N	2969-15490	30	GGGG	27	42	09759W	4021N	2955-16084	50	GGGG	31	32
09630W	2559N	2951-15500	40	GGGF	27	42	09805W	4733N	2975▼16165	100	GGGG	33	27
09631W	4023N	2972-16015	60	GGGG	30	32	09809W	4726N	2957-16175	40	GGGG	33	27
09634W	4021N	2954-16030	70	GGGG	30	32	09810W	3022N	2971▼15591	20	GGGG	29	39
09643W	4728N	2956-16121	90	GGFG	32	27	09812W	3021N	2953-16001	60	GGGG	29	39
09644W	3022N	2970-15533	50	GGGG	28	39	09822W	3440N	2972▼16033	20	GGGG	30	36
09647W	3019N	2952-15543	30	GGGG	28	39	09823W	4312N	2956▼16133	40	PFGG	32	30
09652W	2433N	2951-15503	30	GGGG	27	43	09824W	3439N	2954▼16044	20	FGGG	30	36
09653W	2436N	2969-15493	30	GGGG	27	43	09827W	3857N	2973-16080	10	GGGG	31	33
09655W	3439N	2971-15575	0	GGG	29	36	09827W	3856N	2955▼16090	90	GGGG	31	33
09656W	3440N	2953-15585	30	GGGG	29	36	09834W	2855N	2971▼15593	10	GGGG	29	40
09657W	4313N	2955-16075	70	GGGG	31	30	09835W	2855N	2953▼16003	60	GGGG	29	40

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

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
09841W	4608N	2975-16172	100	GGGG	33	28	10039W	3147N	2973+16100	10	GGGG	31	38
09843W	4601N	2957-16182	10	GGGG	33	28	10039W	3146N	2955+16111	40	GGGG	31	38
09848W	3313N	2972-16040	10	FGGG	30	37	10042W	4438N	2958-16242	30	GGGG	34	29
09849W	3312N	2954-16050	30	GGGG	30	37	10048W	4026N	2975+16190	30	GGGG	33	32
09854W	4146N	2956-16135	10	GGG	32	31	10048W	3603N	2956-16153	20	GGGG	32	35
09855W	3731N	2973-16082	10	GGGG	31	34	10048W	2601N	2972+16060	10	GGGG	30	42
09857W	4854N	2958-16231	80	GGGG	34	26	10049W	2601N	2954+16071	90	GFG	30	42
09858W	2729N	2953-16010	60	GGGG	29	41	10050W	4020N	2957+16200	80	GGGG	33	32
09858W	2728N	2971-16000	30	GGGG	29	41	10101W	4727N	2959-16291	50	GGGG	35	27
09913W	3147N	2972-16042	10	GGGG	30	38	10104W	3020N	2955+16113	40	GGGG	31	39
09914W	4443N	2975-16174	90	GGGG	33	29	10104W	3020N	2973+16103	10	GGGG	31	39
09914W	3146N	2954-16053	30	GGGG	30	38	10115W	4313N	2958+16245	10	GGGG	34	30
09917W	4436N	2957-16184	10	FGGG	33	29	10115W	3437N	2956-16160	20	GGGG	32	36
09921W	2602N	2953-16012	50	GGGG	29	42	10117W	3900N	2975+16192	10	GGGG	33	33
09922W	3604N	2973-16085	10	GGGG	31	35	10119W	3854N	2957+16202	80	GGGG	33	33
09922W	2602N	2971-16002	10	GGGG	29	42	10128W	2854N	2955+16120	40	GGG	31	40
09924W	4020N	2956-16142	50	GGGG	32	32	10128W	2854N	2973-16105	10	GGGF	31	40
09933W	4729N	2958-16233	90	GGG	34	27	10136W	4602N	2959+16294	80	GGGG	35	28
09938W	3021N	2972-16045	10	GGGG	30	39	10141W	3312N	2956-16162	10	GGG	32	37
09939W	3019N	2954-16055	30	GGGG	30	39	10146W	4147N	2958+16251	0	FFFF	34	31
09947W	4317N	2975-16181	40	GGGG	33	30	10146W	3734N	2975-16195	20	GGGG	33	34
09948W	3438N	2955-16102	10	GGGG	31	36	10147W	3728N	2957+16205	80	GGGG	33	34
09949W	4311N	2957-16191	0	GGGG	33	30	10148W	4854N	2960+16343	90	GGGG	36	26
09949W	3439N	2973-16091	10	GGGG	31	36	10151W	2728N	2973+16112	10	GGGG	31	41
09953W	3855N	2956-16144	60	GGGG	32	33	10152W	2727N	2955+16122	50	GGFG	31	41
10002W	2854N	2972-16051	10	GGGG	30	40	10205W	3145N	2956+16165	10	GGG	32	38
10003W	2853N	2954-16062	60	GGGG	30	40	10210W	4438N	2959+16300	80	GGGG	35	29
10008W	4604N	2958-16240	90	GGG	34	28	10213W	3608N	2975+16201	90	GGGG	33	35
10014W	3313N	2973-16094	20	GGGG	31	37	10215W	4022N	2958+16254	0	GGGG	34	32
10014W	3312N	2955-16104	20	GGGG	31	37	10215W	3602N	2957-16211	70	GGGG	33	35
10018W	4151N	2975-16183	40	GGGG	33	31	10225W	4729N	2960+16345	70	GGGG	36	27
10020W	4145N	2957-16193	20	GGGG	33	31	10229W	3019N	2956-16171	0	GGGG	32	39
10021W	3729N	2956-16151	20	FGFG	32	34	10240W	3442N	2975+16204	40	GGGG	33	36
10025W	4852N	2959-16285	40	GGGG	35	26	10241W	3437N	2957+16214	70	GGGG	33	36
10025W	2728N	2972-16054	10	GGGG	30	41	10242W	4313N	2959+16303	10	GGGG	35	30
10027W	2727N	2954-16064	70	GGGG	30	41	10244W	3857N	2958+16260	0	GGGG	34	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 09/01/77 TO 09/30/77

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
10253W	2853N	2956-16174	10	GGGG	32	40	10507W	3605N	2959-16323	10	GGGG	35	35
10300W	4604N	2960-16352	70	GGGG	36	28	10520W	4728N	2962-16462	30	GGGG	38	27
10306W	3314N	2975-16210	40	GGGG	33	37	10521W	4724N	2964-16472	90	GGGG	38	27
10307W	3311N	2957-16220	10	GGGG	33	37	10521W	3021N	2958-16283	40	GGGG	34	39
10312W	3731N	2958-16263	0	GGGG	34	34	10533W	3438N	2959-16330	10	FFGG	35	36
10313W	4147N	2959-16305	40	GGGG	35	31	10534W	4313N	2961-16415	0	GGGG	37	30
10316W	4854N	2961-16401	10	GGGG	37	26	10537W	4307N	2943-16425	20	GGGG	37	30
10317W	2727N	2956-16180	10	GGGG	32	41	10537W	3858N	2960-16372	10	GGGG	36	33
10321W	4847N	2943-16411	60	FGGG	37	26	10545W	2856N	2958-16290	30	GGG	34	40
10331W	3150N	2975-16213	20	GGGG	33	38	10555W	4603N	2962-16464	0	GGGG	38	28
10332W	3145N	2957-16223	10	GGGG	33	38	10556W	4559N	2944-16474	20	FFFF	38	28
10333W	4439N	2960-16354	30	GGGG	36	29	10559W	3312N	2959-16332	10	GGGG	35	37
10340W	3606N	2958-16265	10	GGGG	34	35	10605W	3732N	2960-16375	10	GGGG	36	34
10343W	4022N	2959-16312	20	GGGG	35	32	10606W	4147N	2961-16422	0	GGGG	37	31
10353W	4728N	2961-16404	10	GGGG	37	27	10607W	4855N	2963-16513	40	GGGG	39	26
10356W	3024N	2975-16215	0	GGGG	33	39	10607W	4142N	2943-16432	20	GGGG	37	31
10356W	3019N	2957-16225	60	GGGG	33	39	10623W	3147N	2959-16335	10	GGGF	35	38
10357W	4722N	2943-16414	90	GGGG	37	27	10628W	4438N	2962-16471	0	GGGG	38	29
10406W	4314N	2960-16361	10	GGGG	36	30	10629W	4435N	2944-16481	10	GGGG	38	29
10406W	3439N	2958-16272	10	GGGG	34	36	10632W	3606N	2960-16381	10	GGGG	36	35
10412W	3856N	2959-16314	10	GGGG	35	33	10636W	4022N	2961-16424	20	GGGG	37	32
10420W	2857N	2975-16222	0	GG G	33	40	10637W	4016N	2943-16434	30	GGGG	37	32
10420W	2853N	2957-16232	50	GGGG	33	40	10643W	4730N	2963-16520	30	GGGG	39	27
10428W	4603N	2961-16410	10	GGGG	37	28	10648W	3021N	2959-16341	10	GGGG	35	39
10431W	4557N	2943-16420	80	GGFG	37	28	10659W	3441N	2960-16384	0	GGGG	36	36
10432W	3313N	2958-16274	20	GGGG	34	37	10700W	4312N	2962-16473	10	GGGG	38	30
10437W	4149N	2960-16363	10	GGGG	36	31	10701W	4309N	2944-16483	10	GGGG	38	30
10440W	3730N	2955-16321	10	GGGG	35	34	10705W	3856N	2961-16431	30	GGGG	37	33
10444W	4853N	2962-16455	10	GGGG	38	26	10706W	3851N	2943-16441	30	GGGG	37	33
10444W	2731N	2975-16224	0	GG G	33	41	10712W	2854N	2959-16344	60	GGGG	35	40
10444W	2727N	2957-16234	10	GGGG	33	41	10718W	4605N	2963-16522	20	GGGG	39	28
10445W	4849N	2944-16465	90	GGFG	38	26	10724W	3315N	2960-16390	0	GGGG	36	37
10457W	3147N	2958-16281	40	GGGG	34	38	10731W	4147N	2962-16480	30	GGGF	38	31
10501W	4438N	2961-16413	10	GGGG	37	29	10731W	4144N	2944-16490	10	FGGG	38	31
10504W	4432N	2943-16423	40	GGGG	37	29	10732W	3730N	2961-16433	20	GGGG	37	34
10507W	4023N	2960-16370	10	GGGG	36	32	10733W	3725N	2943-16443	20	GGGG	37	34

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 09/01/77 TO 09/30/77

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
10737W	4848N	2946-16582	20	GFFG	40	26	10950W	4314N	2964+16585	30	GGGG	40	30
10749W	3149N	2960-16393	0	GGGG	36	38	10951W	3439N	2962-16500	80	GGGG	38	36
10751W	4440N	2963-16525	10	GGGG	39	29	10952W	3436N	2944+16510	10	GGGG	38	36
10759W	3605N	2961-16440	20	GGGG	37	35	10953W	4308N	2946+17000	70	GFGG	40	30
10800W	3600N	2943-16450	50	GGGG	37	35	10954W	3857N	2963+16543	90	GGGG	39	33
10801W	4021N	2962-16482	30	GGGG	38	32	11004W	2855N	2961-16460	10	GGGF	37	40
10801W	4019N	2944-16492	10	GGGG	38	32	11010W	4604N	2965+17034	0	GGGG	41	28
10808W	4730N	2964-16574	10	FGGG	40	27	11012W	4601N	2947+17045	80	GGGG	41	28
10813W	4723N	2946-16584	50	GGGG	40	27	11017W	3313N	2962-16503	60	GGGG	38	37
10813W	3023N	2960-16395	10	GGGG	36	39	11017W	3311N	2944-16513	10	FGGG	38	37
10824W	4314N	2963-16531	40	GGGG	39	30	11021W	4148N	2964+16592	20	GGGG	40	31
10825W	3439N	2961-16442	10	GGGG	37	36	11022W	3732N	2963+16545	80	GGGG	39	34
10827W	3434N	2943-16452	40	GGGG	37	36	11023W	4143N	2946-17002	90	GGGG	40	31
10830W	3855N	2962-16485	40	GGGG	38	33	11025W	4854N	2966+17083	10	GGGG	42	26
10830W	3854N	2944-16495	20	GGGG	38	33	11028W	4850N	2948+17094	90	GGGG	42	26
10838W	2856N	2960-16402	10	GGGG	36	40	11042W	3147N	2962+16505	70	GGGG	38	38
10843W	4604N	2964-16580	10	GGGG	40	28	11042W	3145N	2944-16515	10	GGGG	38	38
10847W	4559N	2946-16591	60	GFGG	40	28	11043W	4439N	2965-17041	10	GGGG	41	29
10851W	3313N	2961-16445	10	GGGG	37	37	11045W	4436N	2947-17051	90	GGGG	41	29
10852W	3309N	2943-16455	40	GGGG	37	37	11049W	3606N	2963+16552	90	GGGG	39	35
10855W	4149N	2963-16534	60	GGGG	39	31	11051W	4022N	2964-16594	30	GGGG	40	32
10858W	4854N	2965-17025	0	GGGG	41	26	11053W	4017N	2946+17005	40	GGGG	40	32
10858W	3729N	2962-16491	70	GGGG	38	34	11102W	4729N	2966+17090	20	GGGG	42	27
10858W	3728N	2944-16501	40	GGGG	38	34	11105W	4725N	2948+17100	80	GGGG	42	27
10901W	4851N	2947-17040	70	GGGG	41	26	11106W	3019N	2944+16522	10	GFGG	38	39
10916W	3147N	2961-16451	10	GGGG	37	38	11107W	3021N	2962-16512	90	GGGG	38	39
10917W	4439N	2964-16583	30	GGGG	40	29	11115W	3441N	2963+16554	40	GGGG	39	36
10917W	3143N	2943-16461	30	GGGG	37	38	11116W	4314N	2965+17043	0	GGF	41	30
10921W	4433N	2946-16593	60	GGGG	40	29	11117W	4311N	2947+17054	80	GGGG	41	30
10925W	4023N	2963-16540	100	GGFG	39	32	11120W	3857N	2964+17001	30	GGGG	40	33
10925W	3604N	2962-16494	90	GGGG	38	35	11122W	3852N	2946+17011	10	GGGG	40	33
10925W	3602N	2944-16504	10	GGGG	38	35	11137W	4603N	2966+17092	10	GGGG	42	28
10935W	4729N	2965-17032	0	GGG	41	27	11140W	4600N	2948-17103	80	GGGG	42	28
10937W	4726N	2947-17042	90	GGGG	41	27	11141W	3315N	2963-16561	40	GGGG	39	37
10941W	3021N	2961-16454	10	GGGG	37	39	11147W	4148N	2965+17050	0	GGGG	41	31
10941W	3017N	2943-16464	40	GGGG	37	39	11148W	4146N	2947+17060	80	GGGG	41	31

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 09/01/77 TO 09/30/77

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
11149W	3731N	2964-17003	30	GGGG	40	34	11346W	4019N	2948+17121	20	GGGG	42	32
11150W	4856N	2967-17141	90	GGGG	43	26	11353W	4730N	2968+17202	80	GGG	44	27
11150W	3727N	2946-17014	10	GGGG	40	34	11357W	4726N	2950+17212	80	GGGG	44	27
11154W	4850N	2949-17152	60	GGGG	43	26	11359W	3021N	2964+17024	10	GGGG	40	35
11207W	3149N	2963-16563	40	GGGG	39	38	11400W	3018N	2946-17034	0	GFGG	40	39
11210W	4438N	2966-17095	10	GGGG	42	29	11408W	4315N	2967+17155	20	GGGG	43	30
11213W	4435N	2948-17105	60	GGGG	42	29	11408W	3439N	2965+17070	20	GGGG	41	36
11216W	3605N	2964-17010	40	GGGG	40	35	11409W	3438N	2947+17081	0	GGGG	41	36
11217W	4022N	2965-17052	0	GGG	41	32	11411W	4310N	2949-17170	10	GGGG	43	30
11217W	3600N	2946-17020	10	GGGG	40	35	11412W	3856N	2966+17113	30	GGGG	42	33
11218W	4020N	2947-17063	80	GGGG	41	32	11415W	3854N	2948+17123	20	GGGG	42	33
11226W	4732N	2967-17144	90	GGGG	43	27	11428W	4605N	2968+17205	80	GGG	44	28
11231W	4726N	2949-17154	60	GGGG	43	27	11432W	4600N	2950+17215	70	GGGG	44	28
11232W	3022N	2963-16570	10	GGGG	39	39	11433W	3313N	2965+17073	10	GGGG	41	37
11242W	4312N	2966-17101	60	GGGG	42	30	11435W	3312N	2947+17083	0	GGGG	41	37
11244W	3435N	2946-17023	10	GGGG	40	36	11439W	4150N	2967+17162	20	GGGG	43	31
11245W	4310N	2948-17112	30	GGGG	42	30	11440W	3730N	2966+17115	40	GGGG	42	34
11246W	3857N	2965-17055	10	GGGG	41	33	11441W	4145N	2949+17172	10	GGGG	43	31
11247W	3855N	2947-17065	70	GGGG	41	33	11442W	4856N	2969+17254	90	GGGG	45	26
11301W	4607N	2967-17150	90	GGGG	43	28	11443W	3728N	2948+17130	10	GGGG	42	34
11305W	4600N	2949-17161	40	GGGG	43	28	11444W	4853N	2951+17264	70	GGGG	45	26
11309W	3315N	2964-17015	10	GGGG	40	37	11458W	3147N	2965+17075	0	GGGG	41	38
11310W	3309N	2946-17025	0	GGGG	40	37	11501W	3146N	2947+17090	10	GGGG	41	38
11313W	4147N	2966-17104	70	GGGG	42	31	11502W	4439N	2968+17211	90	FF G	44	29
11314W	3731N	2965-17061	10	GGG	41	34	11505W	4435N	2950+17221	60	GGGG	44	29
11315W	3729N	2947-17072	10	GGGG	41	34	11507W	3605N	2966+17122	40	GGGG	42	35
11316W	4145N	2948-17114	30	GGFG	42	31	11509W	4024N	2967+17164	20	GGGG	43	32
11317W	4855N	2968-17200	90	GGGG	44	26	11511W	4020N	2949-17175	10	GGGG	43	32
11321W	4850N	2950-17210	40	GGGG	44	26	11511W	3603N	2948-17132	0	GGFG	42	35
11334W	3149N	2964-17021	10	GGGG	40	38	11519W	4730N	2969-17260	90	GGGG	45	27
11335W	3144N	2946-17032	0	FGGG	40	38	11521W	4728N	2951+17270	90	GGGG	45	27
11336W	4441N	2967-17153	80	GGGG	43	29	11533W	3438N	2966+17124	10	GGGG	42	36
11339W	4435N	2949-17163	40	GGGG	43	29	11534W	4314N	2968-17214	90	GGGG	44	30
11341W	3606N	2965-17064	10	GGGG	41	35	11537W	4310N	2950+17224	30	GGGG	44	30
11342W	3604N	2947-17074	0	GGGG	41	35	11537W	3859N	2967-17171	10	GGGG	43	35
11343W	4022N	2966-17110	50	GGGG	42	32	11537W	3437N	2948+17135	0	GGGG	42	36

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

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
11540W	3854N	294 -17181	10	GGGG	43	33	11738W	4248N	2935+17390	30	GGGG	47	26
11554W	4605N	2969 -17263	50	GGGG	45	28	11751W	3150N	2967+17191	70	GGGG	43	38
11556W	4603N	2951 -17273	90	GGGG	45	28	11752W	3146N	2949+17202	90	GGGG	43	38
11559W	3312N	2966 -17131	10	GGGG	42	37	11755W	4439N	2970+17323	50	GGGG	46	29
11603W	3311N	2948-17141	10	GGFG	42	37	11755W	4438N	2952+17333	80	GGGG	46	29
11605W	4149N	2968-17220	80	GGGG	44	31	11759W	3607N	2968+17234	20	GGGG	44	35
11605W	3734N	2967-17173	0	GGGG	43	34	11801W	4023N	2969+17281	30	GGGG	45	32
11608W	4145N	2950-17230	20	GGGG	44	31	11802W	3603N	2950+17244	0	GGGG	44	35
11608W	3729N	2949-17184	0	GGGG	43	34	11803W	4022N	2951-17291	0	GGGG	45	32
11610W	4852N	2952-17322	70	GGGG	46	26	11811W	4730N	2971+17372	100	GGGG	47	27
11611W	4855N	2970-17312	90	GGGG	46	26	11813W	4727N	2953+17383	10	GGGG	47	27
11624W	3147N	2966-17133	30	GGGG	42	38	11815W	4723N	2935+17393	10	FGGG	47	27
11628W	4440N	2969-17265	40	GGGG	45	29	11825W	3441N	2968-17241	40	GGGG	44	36
11628W	3145N	2948-17144	30	GGGG	42	38	11827W	4313N	2952+17340	50	GGGG	46	30
11630W	4438N	2951-17275	80	GGGG	45	29	11828W	4315N	2970+17330	50	GGGG	46	30
11633W	3609N	2967-17180	0	GGGG	43	35	11829W	3438N	2950+17251	10	GGGG	44	36
11635W	4023N	2968-17223	70	GGGG	44	32	11830W	3858N	2969-17283	20	GGGG	45	33
11635W	3603N	2949-17190	0	GGGG	43	35	11832W	3857N	2951+17293	0	GGGG	45	33
11637W	4019N	2950-17233	10	GGGG	44	32	11846W	4605N	2971+17375	100	GGGG	47	28
11646W	4727N	2952-17324	30	GGGG	46	27	11849W	4602N	2953+17385	0	GGGG	47	28
11647W	4730N	2970-17314	90	GGGG	46	27	11850W	4559N	2935-17395	30	GGGG	47	28
11700W	4315N	2969-17272	30	GGGG	45	30	11851W	3315N	2968+17243	40	GGGG	44	37
11700W	3442N	2967-17182	10	GGGG	43	36	11854W	3311N	2950+17253	90	GGGG	44	37
11702W	4312N	2951-17282	40	GGGG	45	30	11858W	3732N	2969+17290	10	GGGG	45	34
11702W	3437N	2949-17193	0	GGGG	43	36	11859W	4149N	2970-17332	40	GGGG	46	31
11704W	3858N	2968-17225	50	GGGG	44	33	11859W	4148N	2952+17342	0	FGGG	46	31
11707W	3853N	2950-17235	0	GGGG	44	33	11900W	4854N	2972+17424	50	GGGG	48	26
11721W	4603N	2952-17331	70	GGGG	46	28	11900W	3732N	2951+17300	0	GGGG	45	34
11722W	4604N	2970-17321	60	GGGG	46	28	11903W	4852N	2954-17434	90	GGGG	48	26
11725W	3316N	2967-17185	50	GGGG	43	37	11920W	4440N	2971+17381	90	GGGG	47	29
11727W	3311N	2949-17195	50	GGGG	43	37	11922W	4437N	2953+17392	0	GGGF	47	29
11731W	4149N	2969-17274	40	GGGG	45	31	11923W	4434N	2935+17402	40	GGGG	47	29
11732W	3732N	2968-17232	10	GGGG	44	34	11925W	3607N	2969-17292	10	GGGG	45	35
11733W	4147N	2951-17284	20	GGGG	45	31	11927W	3605N	2951+17302	0	GGGG	45	35
11735W	3728N	2950-17242	0	GGGG	44	34	11929W	4023N	2970-17335	20	GGGG	46	32
11737W	4852N	2953-17380	20	GFGG	47	26	11929W	4022N	2952+17345	0	GGGG	46	32

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 09/01/77 TO 09/30/77

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
11937W	4729N	2972-17430	30	GGGG	48	27	12144W	3312N	2952+17365	100	GGGG	46	37
11940W	4727N	2954-17441	90	GGGG	48	27	12147W	3315N	2970+17355	40	GGGG	46	37
11952W	3441N	2969-17295	10	FFGG	45	36	12149W	4147N	2972+17444	50	GGGG	48	31
11953W	4314N	2971-17384	80	GGGG	47	30	12151W	4146N	2954+17455	100	GG	48	31
11954W	4312N	2953-17394	0	GGGG	47	30	12152W	3732N	2971+17402	70	GGGG	47	34
11954W	3439N	2951-17305	60	GGGG	45	36	12153W	3730N	2953+17412	30	GGFG	47	34
11955W	4309N	2935-17404	30	GGGG	47	30	12153W	3727N	2935+17422	30	GGGG	47	34
11958W	3856N	2952-17351	0	GGGG	46	33	12156W	4851N	2956+17550	90	GGGG	50	26
11959W	3858N	2970-17341	10	GGGG	46	33	12211W	4442N	2973+17493	60	GGGG	49	29
12013W	4604N	2972-17433	30	GGGG	48	28	12215W	4437N	2955+17504	90	GGGG	49	29
12015W	4602N	2954-17443	80	GGGG	48	28	12219W	3606N	2971+17404	50	GGG	47	35
12018W	3314N	2969-17301	20	GGGF	45	37	12220W	4022N	2972+17451	40	GGGG	48	32
12019W	3313N	2951-17311	100	GGGG	45	37	12220W	3604N	2953+17415	40	FGFG	47	35
12024W	4149N	2971-17390	80	GGGG	47	31	12220W	3601N	2935+17425	70	GGGG	47	35
12025W	4147N	2953-17401	0	GGFG	47	31	12221W	4021N	2954+17461	10	GGGG	48	32
12026W	4857N	2973-17482	70	GGGG	49	26	12232W	4726N	2956+17553	90	GGFG	50	27
12026W	4143N	2935-17411	20	GGGG	47	31	12243W	4316N	2973+17500	50	GGGG	49	30
12026W	3731N	2952-17354	10	GGGG	46	34	12245W	3440N	2971+17411	50	GGGG	47	36
12027W	3732N	2970-17344	10	GGGG	46	34	12246W	3436N	2935+17431	90	GGGG	47	36
12030W	4852N	2955-17492	50	GGGG	49	26	12247W	4312N	2955+17510	50	GG	49	30
12046W	4439N	2972-17435	50	GGGG	48	29	12247W	3438N	2953+17421	60	FFFF	47	36
12053W	3605N	2952-17360	40	GGGG	46	35	12249W	3856N	2972+17453	40	GGGG	48	33
12054W	4024N	2971-17393	80	GGGG	47	32	12250W	3856N	2954+17464	30	GGGG	48	33
12055W	4021N	2953-17403	0	GGGG	47	32	12307W	4601N	2956+17555	90	GG	50	28
12055W	3606N	2970-17350	10	GGGG	46	35	12314W	4150N	2973-17502	20	GGGG	49	31
12056W	4018N	2935-17413	0	GGGG	47	32	12317W	3731N	2972+17460	70	GGGG	48	34
12102W	4732N	2973-17484	40	GGGG	49	27	12318W	4147N	2955+17513	20	GGGG	49	31
12107W	4727N	2955-17495	60	GGGG	49	27	12318W	3730N	2954+17470	90	GGGG	48	34
12118W	4313N	2972-17442	60	GGGG	48	30	12320W	4857N	2975-17594	90	GGGG	51	26
12119W	3739N	2952-17363	90	GGGG	46	36	12321W	4853N	2957+18004	40	FGGG	51	26
12121W	3440N	2970-17353	30	GGGG	46	36	12340W	4436N	2956+17562	90	GGGG	50	29
12124W	3858N	2971-17395	80	GGGG	47	33	12344W	4025N	2973+17505	10	GGGG	49	32
12124W	3856N	2953-17410	0	GGGG	47	33	12345W	3604N	2954-17473	90	GGGG	48	35
12125W	3853N	2935-17420	0	GGGG	47	33	12345W	3604N	2972+17462	40	GGGG	48	35
12137W	4607N	2973-17491	50	GGGG	49	28	12349W	4021N	2955-17515	20	GGGG	49	32
12142W	4602N	2955-17501	70	GFGG	49	28	12356W	4732N	2975+18001	80	GGGG	51	27

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 09/01/77 TO 09/30/77

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
12357W	4729N	2957-18011	40	GGGG	51	27	12505W	4441N	2975-18010	70	GGGG	51	29
12413W	4311N	2956-17564	70	GGGG	50	30	12506W	4439N	2957-18020	10	GG	51	29
12414W	3859N	2973-17511	10	GGGG	49	33	12514W	4020N	2956-17573	50	GGGG	50	32
12418W	3855N	2955-17522	70	GGGG	49	33	12523W	4727N	2958-18065	40	GGFF	52	27
12431W	4607N	2975-18003	70	GGGG	51	28	12537W	4316N	2975-18012	90	GGGG	51	30
12432W	4604N	2957-18013	30	GGG	51	28	12538W	4313N	2957-18022	20	GFG	51	30
12442W	3733N	2973-17514	30	GGGG	49	34	12543W	3854N	2956-17580	90	GGGG	50	33
12444W	4146N	2956-17571	50	GGGG	50	31	12558W	4602N	2958-18071	20	GGGG	52	28
12446W	3729N	2955-17524	90	GGGG	49	34	12608W	4151N	2975-18015	80	GGGG	51	31
12447W	4852N	2958-18062	30	GGGG	52	26	12609W	4148N	2957-18025	20	GGG	51	31

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

IFIN

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 09/01/77 TO 09/30/77

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
17827E	5309N	2963-22000	90	GGFG	93	23	13410W	5550N	2949-18563	70	GGGG	61	21
17701E	5310N	2964-22054	40	GGGG	94	23	13413W	5310N	2966+18503	90	FGFG	60	23
17657E	5302N	2946-22065	80	GGGG	94	23	13416W	6003N	2951-19063	50	GGGG	63	18
17451E	5432N	2966-22164	90	GGGG	96	22	13417W	6006N	2969+19053	90	GGGG	63	18
17450E	5428N	2948-22174	90	GGGG	96	22	13436W	6130N	2970+19105	80	GGGG	64	17
12823W	5557N	2963-18324	90	FGGF	57	21	13444W	5717N	2950+19014	90	FGFG	62	20
12900W	5720N	2964-18380	90	GGGG	58	20	13445W	5721N	2968+19004	90	GGGG	62	20
12910W	5433N	2963-18331	90	FGGF	57	22	13454W	5434N	2967+18555	60	GGGG	61	22
12933W	5838N	2947-18442	90	GGG	59	19	13458W	5426N	2949-18565	50	GGGG	61	22
12950W	5556N	2964-18382	90	GGGG	58	21	13515W	5843N	2969+19060	80	FFG	63	19
12952W	5552N	2946-18393	90	GG G	58	21	13515W	5840N	2951+19070	40	GGGG	63	19
13023W	5718N	2965-18434	50	GGGG	59	20	13516W	6652N	2956+19325	10	GGGG	68	13
13028W	5715N	2947-18444	90	GGGG	59	20	13534W	5553N	2950-19021	60	GGGG	62	21
13037W	5431N	2964-18385	90	GGGG	58	22	13535W	5557N	2968+19011	100	GGGG	62	21
13040W	5428N	2946-18395	60	GG G	58	22	13540W	6008N	2970-19111	70	GGGG	64	18
13056W	5845N	2966-18485	90	GGFG	60	19	13542W	6003N	2952+19122	30	GGGG	64	18
13119W	5551N	2947-18451	90	GGGG	59	21	13603W	6133N	2971-19163	40	GGGG	65	17
13124W	6007N	2967-18541	50	GGGG	61	18	13609W	6125N	2953+19173	30	GGGG	65	17
13149W	6130N	2968-18593	50	GGGG	62	17	13609W	5720N	2969+19042	30	FFGG	63	20
13149W	6126N	2950-19003	80	GGGG	62	17	13609W	5717N	2951+19072	40	GGGG	63	20
13150W	5721N	2966-18492	90	FGFG	60	20	13632W	6658N	2975-19373	80	GGGG	69	13
13151W	5715N	2948-18502	90	GGFG	60	20	13638W	5844N	2970+19114	90	GGGG	64	19
13206W	5427N	2947-18453	40	GGGG	59	22	13640W	5840N	2952-19124	10	GGGG	64	19
13223W	5844N	2967-18544	10	GGGG	61	19	13641W	6652N	2957+19383	50	GGGG	69	13
13225W	5837N	2949-18554	70	GGGG	61	19	13645W	6532N	2956-19332	10	GGGG	68	14
13240W	5558N	2966-18494	80	FGFG	60	21	13706W	6010N	2971+19165	60	GGGG	65	18
13243W	5551N	2948-18505	80	GGGG	60	21	13712W	6003N	2953-19180	10	GGGG	65	18
13251W	6003N	2950-19005	70	GGGG	62	18	13733W	5721N	2970+19120	90	GGGG	64	20
13252W	6007N	2968-18595	90	GGGG	62	18	13735W	5717N	2952+19131	20	GGGG	64	20
13316W	5720N	2967-18550	10	GGGG	61	20	13749W	6253N	2973+19273	90	GGGG	67	16
13319W	5714N	2949-18560	90	GGGG	61	20	13751W	6813N	2959+19493	90	GGGG	71	12
13328W	5434N	2966-18501	90	FGFG	60	22	13752W	6247N	2955+19283	10	GGGG	67	16
13331W	5427N	2948-18511	90	GGGG	60	22	13802W	6537N	2975-19380	90	GGGG	69	14
13349W	5841N	2950-19012	90	GGGG	62	19	13804W	5846N	2971+19172	70	GGGG	65	19
13350W	5844N	2968-19002	90	GGGG	62	19	13805W	6411N	2956+19334	0	GGGG	68	15
13407W	5557N	2967-18553	20	GGGG	61	21	13808W	6651N	2950+19442	10	GGGG	70	13

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 ALASKA
FROM 09/01/77 TO 09/30/77

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
13810W	6532N	2957-19390	30	FGGG	69	14	14109W	6645N	2942+19564	10	GGGG	72	13
13811W	5839N	2953-19182	10	GGGG	65	19	14111W	6525N	2941-19512	80	GGGG	71	14
13831W	6010N	2972-19223	10	GGGF	66	18	14124W	7043N	2946-20181	60	GFGG	76	10
13836W	6002N	2954-19234	20	GGGG	66	18	14128W	6005N	2956+19350	10	GGGG	68	18
13856W	6930N	2961-20003	50	GGGG	73	11	14144W	6932N	2963-20115	90	GGGG	75	11
13856W	6132N	2973-19275	90	FGFG	67	17	14147W	6132N	2975-19391	10	GGGG	69	17
13857W	5723N	2971-19174	50	GGGG	65	20	14153W	6127N	2957+19401	40	GGGG	69	17
13900W	6125N	2955-19285	0	GGGG	67	17	14158W	6119N	2939-19412	30	GFGG	69	17
13904W	5716N	2953-19185	20	GGGG	65	20	14201W	6923N	2945-20125	60	GGGG	75	11
13911W	6925N	2943-20013	60	GGGG	73	11	14208W	6253N	2976+19443	90	FGGG	70	16
13919W	6249N	2956-19341	10	GFGG	68	16	14209W	6814N	2962-20063	10	GGGG	74	12
13924W	6416N	2975-19382	20	GGGG	69	15	14212W	6248N	2958+19453	10	GGGG	70	16
13929W	6654N	2959-19500	90	GGGG	71	13	14218W	6412N	2959-19505	90	GGGG	71	15
13929W	5846N	2972-19230	10	GGGF	66	19	14221W	6806N	2944-20074	40	GGGG	74	12
13931W	6411N	2957-19392	20	GGGG	69	15	14222W	6653N	2961+20012	60	GGGG	73	13
13932W	6536N	2976-19434	80	FFGG	70	14	14226W	5842N	2956+19352	0	GGFF	68	19
13934W	5839N	2954-19240	20	GGGF	66	19	14228W	6533N	2960-19560	90	GGGG	72	14
13937W	6531N	2958-19444	10	FGGF	70	14	14231W	6404N	2941+19515	30	GGGG	71	15
13939W	6402N	2939-19403	50	GFGF	69	15	14234W	7052N	2965-20224	50	GGGG	77	10
13959W	6009N	2973-19282	90	FGGG	67	18	14235W	6647N	2943+20022	20	FGGG	73	13
14000W	7041N	2945-20123	40	GGGG	75	10	14236W	6525N	2942-19570	30	GGGG	72	14
14002W	6002N	2955-19292	10	GGGG	67	18	14249W	7044N	2947+20235	90	GGGG	77	10
14026W	6127N	2956-19343	10	GGGG	68	17	14250W	6009N	2975+19394	10	GGGG	69	18
14033W	6924N	2944-20071	50	GGGG	74	11	14255W	6004N	2957+19404	30	GGGG	69	18
14039W	6254N	2975-19385	40	GGGG	69	16	14259W	5956N	2939-19414	40	GGGG	69	18
14045W	6812N	2961-20005	40	GGGG	73	12	14311W	6931N	2964+20173	90	GFGG	76	11
14045W	6249N	2957-19395	30	GGGG	69	16	14315W	6131N	2976-19445	20	GGGG	70	17
14051W	6240N	2939-19405	60	GGGG	69	16	14319W	6126N	2958+19460	40	GGGG	70	17
14054W	6415N	2976-19440	90	GFGG	70	15	14325W	6926N	2946+20183	90	GGGG	76	11
14057W	6533N	2959-19502	90	GGGG	71	14	14332W	6251N	2959+19511	90	GGGG	71	16
14057W	5846N	2973-19284	90	FGGG	67	19	14334W	6813N	2963-20121	90	FGFG	75	12
14058W	6807N	2943-20015	40	GGGG	73	12	14344W	6242N	2941+19521	10	GGGG	71	16
14058W	6410N	2958-19451	10	FGGG	70	15	14347W	6684N	2962-20070	30	GGGG	74	13
14059W	6653N	2960-19554	90	GGGG	72	13	14348W	6412N	2960+19563	60	GGGG	72	15
14100W	5840N	2955-19294	10	GGGG	67	19	14348W	5846N	2975+19400	20	GGGG	69	19
14109W	7049N	2964-20170	90	GGGG	76	10	14349W	6805N	2945+20132	60	GGGG	75	12

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 ALASKA
FROM 09/01/77 TO 09/30/77

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
14351W	6532N	2961-20014	70	GGGG	73	14	14639W	6807N	2947+20244	40	GGGG	77	12
14353W	5841N	2957-19410	50	GGGG	69	19	14640W	6653N	2964-20182	90	GGGG	76	13
14356W	6403N	2942-19573	10	GGGG	72	15	14640W	5843N	2959-19523	40	GGGG	71	19
14356W	5834N	2939-19421	60	GGGF	69	19	14642W	6533N	2963+20130	90	GGGG	75	14
14359W	6646N	2944-20080	10	GGGG	74	13	14647W	6405N	2944-20085	10	GGGG	74	15
14402W	6527N	2943-20024	10	GGGG	73	14	14649W	5835N	2941+19533	30	FGGG	71	19
14404W	7051N	2966-20283	70	GGFG	78	10	14650W	6648N	2946+20192	90	GGGG	76	13
14417W	6008N	2976-19452	10	GGFG	70	18	14651W	7051N	2968+20395	80	GGGG	80	10
14421W	6003N	2958-19462	70	GGGG	70	18	14654W	6525N	2945-20141	50	GGGG	75	14
14438W	6934N	2965-20231	30	GGGG	77	11	14704W	7046N	2950+20405	70	GGGG	80	10
14439W	6129N	2959-19514	90	GGGG	71	17	14712W	6005N	2960-19574	80	GGGG	72	18
14451W	6926N	2947-20241	80	GGGG	77	11	14716W	5957N	2942+19584	30	GGGG	72	18
14451W	6120N	2941-19524	10	GGGG	71	17	14731W	6933N	2967-20343	40	GGGG	79	11
14501W	6812N	2964-20175	90	GGGG	76	12	14734W	6127N	2961+20030	60	GGGG	73	17
14501W	6250N	2960-19565	60	GGGG	72	16	14735W	5720N	2959+19525	40	GGGG	71	20
14508W	6241N	2942-19575	10	GGGG	72	16	14738W	6929N	2949+20353	10	GGGG	79	11
14512W	6411N	2961-20021	50	GGGG	73	15	14741W	6122N	2943-20040	30	GGGG	73	17
14513W	6807N	2946-20190	90	GGFG	76	12	14743W	5712N	2941+19535	40	GGGG	71	20
14513W	6654N	2963-20124	90	FGFF	75	13	14751W	6251N	2962+20081	90	GGGG	74	16
14515W	5845N	2976-19454	40	GGGG	70	19	14756W	6814N	2966+20292	90	FGFG	78	12
14516W	6534N	2962-20072	40	GGGG	74	14	14800W	6243N	2944+20092	10	GGGG	74	16
14519W	5840N	2958-19465	60	GGGG	70	19	14802W	6412N	2963+20133	90	FGGG	75	15
14522W	6406N	2943-20031	20	GGGG	73	15	14806W	6656N	2965+20240	80	FGGG	77	12
14526W	6645N	2945-20134	50	GGGG	75	13	14808W	6532N	2964+20184	90	GGGG	76	14
14529W	6526N	2944-20083	10	GGGG	74	14	14811W	5842N	2960-19581	30	GGFG	72	19
14542W	6006N	2959-19520	80	GGGG	71	18	14814W	6404N	2945+20143	10	GFGG	75	15
14553W	5958N	2941-19530	10	GGGF	71	18	14814W	5834N	2942-19591	90	GGGG	72	19
14607W	6933N	2966-20285	70	FGGG	78	11	14816W	6648N	2947+20250	70	GGGG	77	13
14609W	6127N	2960-19572	40	GGGG	72	17	14818W	7053N	2969-20453	80	GFGG	81	10
14609W	5722N	2976-19461	60	GGFF	70	20	14819W	6528N	2946+20195	70	GGGG	76	14
14613W	5717N	2958-19471	60	GGGG	70	20	14829W	7045N	2951+20463	70	FGGG	81	10
14614W	6120N	2942-19582	10	GGGG	72	17	14837W	6004N	2961+20032	90	GGGG	73	18
14626W	6249N	2961-20023	50	GGGG	73	16	14842W	5959N	2943-20042	70	GGGG	73	18
14628W	6815N	2965-20233	40	FGGG	77	12	14855W	6933N	2968+20401	60	GGGG	80	11
14634W	6244N	2943-20033	20	GGGG	73	16	14859W	6129N	2962+20084	100	GGGF	74	17
14637W	6413N	2962-20075	50	GGGG	74	15	14905W	5718N	2960+19583	20	GGGG	72	20

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 ALASKA
FROM 09/01/77 TO 09/30/77

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
14906W	6928N	2950-20411	10	FGFF	80	11	15134W	5958N	2945-20155	70	BGGG	75	18
14907W	6122N	2944-20094	30	GGGG	74	17	15146W	6936N	2970+20513	80	GGGG	82	11
14907W	5711N	2942-19593	90	GGGG	72	20	15150W	6127N	2964-20200	20	GGGG	76	17
14916W	6250N	2963-20135	90	GGGG	75	16	15154W	5720N	2962+20095	100	GGGF	74	20
14922W	6815N	2967-20350	90	GGGG	79	12	15156W	6928N	2952-20524	80	GGGG	82	11
14927W	6810N	2949-20360	10	GGGG	79	12	15158W	6123N	2946-20210	50	GGGG	76	17
14927W	6242N	2945-20150	10	GGGG	75	16	15200W	5713N	2944+20110	40	GGGF	74	20
14928W	6412N	2964-20191	90	GGGG	76	15	15210W	6817N	2969+20462	80	GGGG	81	12
14933W	6655N	2966-20294	90	FGFG	78	13	15210W	6253N	2965-20251	90	FGGG	77	16
14935W	6535N	2965-20242	90	FGGG	77	14	15216W	6244N	2947+20262	80	FGGG	77	16
14935W	5841N	2961-20035	100	GGGG	73	19	15220W	6810N	2951-20472	80	FGGG	81	12
14939W	6406N	2946-20201	50	FGGG	76	15	15222W	6414N	2966+20303	100	GGFG	78	15
14939W	5836N	2943-20045	90	GGGG	73	19	15224W	6655N	2968-20410	10	GGGG	80	13
14943W	7053N	2970-20511	80	GGGG	82	10	15226W	5843N	2963+20151	90	FGGG	75	19
14944W	6527N	2947-20253	80	GGGG	77	14	15230W	6535N	2967+20355	100	GGFG	79	14
14955W	7045N	2952-20521	90	GGGG	82	10	15231W	7053N	2972-21023	90	GGGG	84	10
15002W	6006N	2962-20090	100	GGGG	74	18	15231W	5835N	2945-20161	80	GGGG	75	19
15010W	5959N	2944-20101	40	GGGG	74	18	15232W	6650N	2950+20420	90	FGGG	80	13
15024W	6128N	2963-20142	80	GGGG	75	17	15232W	6530N	2949-20365	90	GGGF	79	14
15029W	5718N	2961-20041	100	GGGG	73	20	15240W	7048N	2954+21033	10	GGGG	84	10
15031W	6928N	2951-20470	50	FG G	81	11	15244W	5557N	2962+20102	100	GGGG	74	21
15033W	6120N	2945-20152	80	GGGG	75	17	15249W	5549N	2944+20112	70	GGFG	74	21
15033W	5713N	2943-20051	70	GGGG	73	20	15253W	6005N	2964+20202	10	GGGG	76	18
15042W	6250N	2964-20193	70	GGGG	76	16	15300W	6001N	2946+20213	70	GGGG	76	18
15046W	6814N	2968-20404	10	GGGG	80	12	15311W	7203N	2956-21143	90	GGGG	86	9
15052W	6244N	2946-20204	80	FGGG	76	16	15314W	6936N	2971+20571	90	FGGG	83	11
15056W	6810N	2950-20414	70	GGFG	80	12	15318W	6131N	2965+20254	100	FGGG	77	17
15056W	6414N	2965-20245	90	FGFG	77	15	15319W	6928N	2953+20582	30	FGGG	83	11
15100W	6655N	2967-20352	100	GGPG	79	13	15319W	5719N	2963+20153	70	GGGG	75	20
15100W	5843N	2962-20093	100	GGGG	74	19	15323W	6122N	2947+20264	60	GGGG	77	17
15103W	6405N	2947-20255	60	GGGG	77	15	15325W	5712N	2945+20164	90	GGGG	75	20
15104W	6650N	2949-20362	30	GGGG	79	13	15337W	6816N	2970+20520	80	GGGG	82	12
15107W	5836N	2944-20103	40	GGGG	74	19	15337W	6232N	2966-20310	90	GGGG	78	16
15110W	7053N	2971-20565	80	GGGG	83	10	15345W	6810N	2952+20530	70	GGGG	82	12
15116W	7045N	2953-20575	90	GPGG	83	10	15348W	6658N	2969+20464	90	GGGG	81	13
15127W	6006N	2963-20144	80	GGGG	75	18	15351W	6413N	2967+20361	100	FGFG	79	15

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

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
15351W	5842N	2964-20205	30	GGFG	76	19	15556W	7210N	2976+21245	80	GFGG	68	9
15353W	6409N	2949-20371	50	GGGG	79	15	15606W	6935N	2973+21084	80	GGGG	65	11
15354W	6535N	2968-20413	10	GGGG	80	14	15609W	6930N	2955+21094	70	GGGG	65	11
15357W	6650N	2951-20475	90	PGGG	81	13	15612W	6129N	2967+20370	90	PGGG	79	17
15357W	5837N	2946-20215	90	GGGG	76	19	15614W	6125N	2949+20380	10	GGGG	79	17
15400W	6630N	2950-20423	90	FGGG	80	14	15614W	5721N	2965+20265	90	FGGG	77	20
15402W	7052N	2973-21081	80	GGGG	85	10	15617W	5715N	2947+20280	90	FGGG	77	20
15405W	7048N	2955-21091	80	GGGG	85	10	15626W	6816N	2972+21032	90	GGGG	66	12
15410W	5556N	2963-20160	80	GGGG	75	21	15628W	6251N	2968-20422	60	GGGG	80	16
15416W	5548N	2945-20170	90	GGGG	75	21	15633W	6812N	2954+21042	10	GGGG	66	12
15421W	6008N	2965-20260	100	FGGG	77	18	15634W	6246N	2950+20432	50	FGGG	80	16
15425W	6000N	2947-20271	90	GGGG	77	18	15639W	6416N	2969+20473	90	GGGG	81	15
15427W	7211N	2975-21191	40	GGGG	87	9	15643W	6657N	2971-20580	90	GGGG	83	13
15436W	6935N	2972-21030	80	GGGG	84	11	15644W	6536N	2970+20525	80	GGGG	82	14
15439W	7203N	2957-21201	90	GGGG	87	9	15646W	6408N	2951+20484	10	GGGG	81	15
15443W	6931N	2954-21040	10	GGGG	84	11	15646W	5844N	2966+20321	90	PGGG	78	19
15445W	6130N	2966-20312	80	FGGG	78	17	15647W	7085N	2975-21193	90	GGGG	87	10
15446W	5719N	2944-20211	30	GGGG	76	20	15647W	6650N	2953+20591	10	GGGG	83	13
15451W	5714N	2946-20222	90	GGGG	76	20	15654W	6529N	2952+20535	40	GGGG	82	14
15459W	7157N	2939-21211	100	GGGG	88	9	15658W	7046N	2957+21204	90	GGGG	87	10
15504W	6817N	2971-20574	90	GGGG	83	12	15704W	5557N	2965+20272	90	FGGG	77	21
15505W	6251N	2967-20364	90	FGGG	79	16	15707W	5551N	2947+20282	90	FGGG	77	21
15506W	6247N	2949-20374	10	GGGG	79	16	15714W	6007N	2967+20373	90	PGGG	79	18
15508W	6810N	2953-20584	30	GGGG	83	12	15715W	7041N	2939-21214	90	GGGG	87	10
15515W	6657N	2970-20522	70	GGGG	82	13	15716W	6003N	2949+20383	10	GFGG	79	18
15515W	6413N	2968-20415	40	GGGG	80	15	15730W	7204N	2959+21313	80	GGGG	89	9
15517W	6537N	2969-20471	90	GGGG	81	14	15733W	6930N	2956+21152	90	GGGG	86	11
15519W	5845N	2965-20263	90	FGGG	77	19	15736W	6129N	2968+20424	60	GGGG	80	17
15520W	6408N	2950-20425	90	FGGG	80	15	15740W	5721N	2966+20324	80	FGGG	78	20
15523W	5838N	2947-20273	90	GGGG	77	19	15741W	6125N	2950+20434	80	GGGG	80	17
15524W	6650N	2952-20533	30	GGGG	82	13	15752W	5433N	2965+20274	90	FGGG	77	22
15525W	6529N	2951-20481	10	FGGG	81	14	15753W	6254N	2969+20480	90	GGGG	81	16
15530W	7048N	2956-21145	90	GGGG	86	10	15754W	5427N	2947+20285	90	FGGG	77	22
15536W	5555N	2964-20214	20	FGGG	76	21	15755W	7156N	2941+21323	60	GGGG	90	9
15542W	5551N	2946-20224	100	GGGG	76	21	15756W	6816N	2973-21090	60	GGGG	85	12
15548W	6008N	2966-20315	90	PGFG	78	18	15759W	6812N	2955+21100	70	GGGF	85	12

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 ALASKA
FROM 09/01/77 TO 09/30/77

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
15800W	6247N	2951-20490	10	FGGG	81	16	15959W	5553N	2949+20394	40	GGGG	79	21
15805W	6415N	2970-20531	80	GGGG	82	15	16005W	6009N	2969+20485	80	GGGG	81	18
15806W	6557N	2972-21035	70	GGGG	84	13	16009W	6002N	2951+20495	40	FGGG	81	18
15812W	6652N	2954-21045	10	FGGG	84	13	16011W	7040N	2941+21330	40	GFGG	89	10
15812W	6536N	2971-20583	90	GGGG	83	14	16020W	6937N	2976+21254	80	GFFF	88	11
15812W	5844N	2967-20375	90	PGGG	79	19	16021W	7207N	2961+21425	80	GGGG	91	9
15813W	6408N	2952-20542	70	GGGG	82	15	16027W	6131N	2970+20540	80	GGGG	82	17
15814W	5839N	2949-20385	40	GGGG	79	19	16031W	5720N	2968+20440	70	GGGG	80	20
15816W	7054N	2976-21251	30	GFGF	88	10	16033W	6124N	2952+20551	70	FGGG	82	17
15816W	6529N	2953-20593	10	G GG	83	14	16035W	5716N	2950+20450	70	GGFG	80	20
15831W	5557N	2966-20330	80	FGGG	78	21	16041W	6819N	2975-21202	90	GGGG	87	12
15838W	6006N	2968-20431	50	GGGG	80	18	16045W	7157N	2943+21440	70	FGGG	92	9
15844W	6002N	2950-20441	10	GGGG	80	18	16045W	5433N	2967-20391	90	PGFG	79	22
15851W	6938N	2975-21200	90	GGGG	87	11	16046W	5429N	2949+20401	40	GGGG	79	22
15855W	7204N	2960-21371	40	GGGG	90	9	16047W	6253N	2971-20592	60	GGGG	83	16
15900W	6929N	2957-21210	80	GGFG	87	11	16049W	6811N	2957+21213	90	GGGG	87	12
15901W	6132N	2969-20482	90	GGGG	81	17	16049W	6247N	2953-21002	40	FPGG	83	16
15906W	5721N	2967-20382	90	PGGG	79	20	16056W	6415N	2972+21044	80	GGGG	84	15
15907W	6124N	2951-20493	30	FGGG	81	17	16101W	6411N	2954-21054	70	PGGG	84	15
15908W	5716N	2949-20392	90	GGGG	79	20	16102W	6806N	2939+21223	100	GGFG	87	12
15914W	7158N	2942-21381	30	GGGG	91	9	16103W	6652N	2956-21161	70	GGGG	86	13
15915W	6925N	2939-21220	90	GGGG	87	11	16104W	5846N	2969-20491	80	GGGG	81	19
15919W	5433N	2966-20333	90	FGGG	78	22	16105W	5840N	2951-20502	70	FGGG	81	19
15920W	6254N	2970-20534	80	GGGG	82	16	16106W	6535N	2973+21095	30	GGGG	85	14
15923W	6812N	2956-21154	80	GGGG	86	12	16107W	6532N	2955-21105	80	GGGG	85	14
15926W	6246N	2952-20544	80	GGGG	82	16	16115W	7047N	2960+21374	90	GGGG	90	10
15933W	6415N	2971-20585	60	GGGG	83	15	16122W	5556N	2968+20442	80	GGGG	80	21
15935W	6536N	2972-21041	90	GGGF	84	14	16125W	5553N	2950+20452	90	FGGG	80	21
15936W	6656N	2973-21093	30	GGGG	85	13	16130W	7042N	2942-21384	30	GGGF	90	10
15936W	6408N	2953-21000	20	FGGG	83	15	16135W	6001N	2952+20553	80	FGGG	82	18
15936W	5843N	2968-20433	40	GGGG	80	19	16152W	6931N	2959+21322	90	GGGG	89	11
15938W	6652N	2955-21103	70	GGGG	85	13	16155W	6131N	2971+20594	60	GGGG	83	17
15941W	6532N	2954-21051	40	GGGG	84	14	16157W	6125N	2953+21005	50	GGGG	83	17
15941W	5839N	2950-20443	50	FGGG	80	19	16158W	5723N	2969+20494	90	GGGG	81	20
15949W	7048N	2959-21320	90	GGGG	89	10	16159W	5716N	2951+20504	90	PGGG	81	20
15958W	5557N	2967-20384	90	PGFG	79	21	16209W	5433N	2968+20445	30	GGGG	80	22

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

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
16210W	6253N	2972-21050	60	GGGG	84	16	16404W	7049N	2962+21490	80	GGGG	92	10
16211W	6818N	2976-21260	100	G GG	88	12	16407W	6525N	2939+21232	100	GGGG	87	14
16212W	5429N	2950-20455	80	FGGG	80	22	16413W	5559N	2970+20554	80	GGGG	82	21
16215W	6249N	2954-21060	80	GGGG	84	16	16416W	5552N	2952+20565	70	GGGG	82	21
16220W	6700N	2975-21205	90	GGGG	87	13	16420W	6009N	2972-21055	70	GGGG	84	18
16227W	6651N	2957-21215	90	GGGG	87	13	16420W	5311N	2969+20505	90	GGFG	81	23
16227W	6414N	2973-21102	20	GGGG	85	15	16422W	5305N	2951+20520	60	PGGG	81	23
16227W	6411N	2955-21112	60	GGGG	85	15	16424W	6005N	2954+21065	40	GGGG	84	18
16228W	5846N	2970-20545	70	GGGG	82	19	16443W	6933N	2961+21434	60	GGGG	91	11
16232W	6531N	2956-21163	90	GGGG	86	14	16447W	6127N	2955+21121	80	GGGG	85	17
16232W	5839N	2952-20560	70	GGGG	82	19	16448W	6130N	2973-21111	50	GGGG	85	17
16239W	6646N	2939-21225	80	GGGF	87	13	16449W	5722N	2971+21010	90	GGGG	83	20
16240W	7051N	2961-21432	90	GGGG	91	10	16449W	5716N	2953-21020	40	PGGG	83	20
16249W	5559N	2969-20500	90	FGGF	81	21	16500W	5435N	2970+20561	30	GGGG	82	22
16249W	5553N	2951-20511	90	PGGG	81	21	16502W	6924N	2943-21445	40	FGGG	91	11
16257W	6008N	2971-21001	70	GGGG	83	18	16503W	5429N	2952+20571	60	GFGG	82	22
16259W	6002N	2953-21011	50	GPGG	83	18	16505W	6811N	2960-21383	10	GGGG	90	12
16301W	7041N	2943-21442	60	FFGG	91	10	16505W	6249N	2956+21172	60	GGGG	86	16
16317W	6930N	2960-21380	60	GGGG	90	11	16513W	6418N	2975-21214	100	GGGG	87	15
16317W	6131N	2972-21053	60	GGGG	84	17	16517W	6410N	2957+21224	100	GGGG	87	15
16322W	6127N	2954-21063	30	GGGG	84	17	16518W	6539N	2976-21265	80	GFGG	88	14
16322W	5723N	2970-20552	70	GGGG	82	20	16518W	5846N	2972+21062	60	GGGG	84	19
16326W	5716N	2952-20562	50	GGGG	82	20	16519W	6806N	2942-21393	10	GGFF	90	12
16330W	6925N	2942-21390	10	GFGG	90	11	16520W	6663N	2959+21331	80	FGGG	89	13
16336W	5435N	2969-20503	90	GGGF	81	22	16522W	5842N	2954-21072	20	GGGG	84	19
16337W	5429N	2951-20513	90	FGGG	81	22	16527W	6404N	2939+21234	100	GGGG	87	15
16340W	6249N	2955-21114	90	GGGG	85	15	16536W	6644N	2941+21341	30	GGGG	89	13
16341W	6252N	2973-21104	60	GGGG	85	16	16540W	5558N	2971+21012	100	GGGG	83	21
16342W	6813N	2959-21325	80	GGGG	89	12	16540W	5552N	2953-21023	70	PGGG	83	21
16349W	6659N	2974-21263	90	FGGF	88	13	16545W	5311N	2970+20563	80	GGGG	82	23
16351W	6539N	2975-21211	90	GGGG	87	14	16547W	5305N	2952+20574	60	FGGG	82	23
16352W	6410N	2956-21170	90	GGGG	86	15	16550W	6008N	2973+21113	70	GGGG	85	18
16355W	5845N	2971-21003	90	GGGG	83	19	16550W	6005N	2955+21123	70	GGGG	85	18
16356W	6531N	2957-21222	90	GGGG	87	14	16608W	6932N	2962+21492	80	GGGG	92	11
16356W	5839N	2953-21014	50	FGGG	83	19	16613W	6127N	2956-21175	80	GGGG	86	17
16400W	6803N	2941-21335	30	GGGG	89	12	16613W	5722N	2972+21064	60	GGGG	84	20

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

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
16617W	5719N	2954-21074	40	GGGG	84	20	16824W	6526N	2942+21402	10	FGGG	90	14
16627W	6256N	2975-21220	90	GGGG	87	16	16826W	6646N	2943+21454	20	PGGF	91	13
16628W	5434N	2971-21015	100	GGGG	83	22	16831W	5555N	2955+21135	50	GGGG	85	21
16629W	5428N	2953-21025	70	PGGG	83	22	16833W	5557N	2973+21125	90	GGGG	85	21
16631W	6248N	2957-21231	100	GGGG	87	16	16836W	5310N	2972+21080	80	GGGG	84	23
16633W	6814N	2961-21441	20	GGGG	91	12	16838W	6011N	2975+21225	30	GGGG	87	18
16640W	6417N	2976-21272	90	FGGG	88	15	16840W	5307N	2954+21090	20	GGGG	84	23
16640W	6243N	2939-21241	100	GGGG	87	16	16842W	6003N	2957+21240	100	GGGG	87	18
16643W	6652N	2960-21385	20	GGGG	90	13	16848W	5959N	2939+21250	90	GGGG	87	18
16648W	5845N	2973-21120	90	GGGG	85	19	16902W	6133N	2976+21281	90	GGGG	88	17
16648W	5842N	2955-21130	80	GGGG	85	19	16907W	5718N	2956+21190	90	GGGG	86	20
16649W	6533N	2959-21334	90	GGGG	89	14	16918W	5145N	2972+21082	90	GGGG	84	24
16650W	6806N	2943-21451	10	GGGG	91	12	16919W	5431N	2955+21141	90	GGGG	85	22
16657W	6647N	2942-21395	10	GGFG	90	13	16921W	6815N	2963+21553	80	GGGG	93	12
16702W	6524N	2941-21344	20	FGGG	89	14	16921W	5433N	2973+21131	90	GGGG	85	22
16704W	5558N	2972-21071	70	GGGG	84	21	16922W	5143N	2954+21092	40	GGGG	84	24
16708W	5555N	2954-21081	10	GGGG	84	21	16923W	6250N	2959-21343	90	GGGG	89	16
16713W	5310N	2971-21021	100	GGGG	83	23	16933W	6411N	2960+21394	70	GGGG	90	15
16714W	5304N	2953-21032	100	PGGG	83	23	16933W	6241N	2941+21353	80	GGGG	89	16
16715W	6004N	2956-21181	90	GGGG	86	18	16936W	5848N	2975+21232	20	GGGG	87	19
16730W	6934N	2963-21550	90	GGGG	93	11	16937W	6654N	2962+21501	70	GGGG	92	13
16735W	6134N	2975-21223	50	GGGG	87	17	16938W	6807N	2945+21563	70	GGGG	93	12
16739W	6126N	2957-21233	90	GGGG	87	17	16940W	6533N	2961+21450	50	GGGG	91	14
16741W	5718N	2955-21132	60	GGGG	85	20	16940W	5841N	2957+21242	90	GGGG	87	19
16743W	5720N	2973-21122	90	GGGG	85	20	16944W	6405N	2942-21404	10	GGFF	90	15
16747W	6121N	2939-21243	100	GGGG	87	17	16945W	5836N	2939+21252	100	GGGG	87	19
16749W	6926N	2945-21561	90	GGGG	93	11	16954W	6526N	2943+21460	20	FGGG	91	14
16751W	5434N	2972-21073	70	GGGG	84	22	16958W	5554N	2956+21193	100	GGGG	86	21
16754W	6255N	2976-21274	70	GFGG	88	16	17003W	5307N	2955-21144	90	GGGG	85	23
16756W	5431N	2954-21083	30	GGGG	84	22	17005W	6011N	2976+21283	100	GGFG	88	18
16758W	6813N	2962-21495	80	GGGG	92	12	17006W	5309N	2973+21134	90	GGGG	85	23
16809W	6411N	2959-21340	90	GGGG	89	15	17030W	5725N	2975+21234	10	GGGG	87	20
16812W	6654N	2961-21443	40	GGGG	91	13	17032W	6127N	2959-21345	90	GGGG	89	17
16812W	6532N	2960-21392	50	GGGG	90	14	17034W	5717N	2957+21245	100	GFGG	87	20
16813W	5841N	2956-21184	90	GGGG	86	19	17039W	6119N	2941+21355	100	GGGG	89	17
16821W	6403N	2941-21350	40	FGGG	89	15	17039W	5713N	2939+21255	100	GGGG	87	20

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 ALASKA
FROM 09/01/77 TO 09/30/77

PRINCIPAL PT. OF IMAGE LONG	PRINCIPAL PT. OF IMAGE LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
17046W	5431N	2956-21195	90	GGGG	86	22
17046W	5143N	2955-21150	90	GGGG	85	24
17048W	6249N	2960-21401	30	GGGG	90	16
17048W	5144N	2973-21140	100	GGGG	85	24
17056W	6244N	2942-21411	10	GGGG	90	16
17059W	6056N	2963-21555	70	FGGF	93	13
17101W	6412N	2961-21452	70	GGGG	91	15
17103W	5847N	2976-21290	90	FGGG	88	15
17106W	6533N	2962-21504	70	GGGG	92	14
17113W	6404N	2943-21463	10	GGGG	91	15
17115W	6648N	2945-21570	40	GGGG	93	13
17121W	5601N	2975-21241	10	GGGG	87	21
17124W	5554N	2957-21251	100	GGGG	87	21
17129W	5550N	2939-21261	100	GGGG	87	21
17131W	5307N	2956-21202	90	GGGG	86	23
17134W	6005N	2959-21352	80	GGGG	89	18
17140W	5957N	2941-21362	100	GGGG	89	18
17157W	6127N	2960-21403	10	GGGG	90	17
17157W	5724N	2976-21292	70	GGGF	88	20
17203W	6122N	2942-21413	30	GFGG	90	17
17209W	5437N	2975-21243	10	GGGG	87	22
17212W	5430N	2957-21254	100	GGGG	87	22
17213W	5142N	2956-21204	20	GGGG	86	24
17214W	5426N	2939-21264	90	GGGG	87	22
17232W	5842N	2959-21354	30	GGGG	89	19
17237W	5834N	2941-21364	100	FGGG	89	19
17248W	5600N	2976-21295	60	GGGF	88	21
17253W	5313N	2975-21250	10	GGGG	87	23
17257W	5306N	2957-21260	100	GGGG	87	23
17300W	6004N	2960-21410	50	GGGG	90	18
17301W	5302N	2939-21270	90	GGGG	87	23
17304W	5959N	2942-21420	10	GGGG	90	18
17330W	5711N	2941-21371	90	GGFG	89	20
17335W	5436N	2976-21301	50	GGGF	88	22
17336W	5148N	2975-21252	10	GGGG	87	24
17340W	5141N	2957-21263	100	GGGG	87	24
17343W	5138N	2939-21273	80	GGGG	87	24
17358W	5841N	2960-21412	50	GGGG	90	19
17401W	5837N	2942-21422	20	GGGG	90	19
17417W	5555N	2959-21363	40	GGGG	89	21
17421W	5547N	2941-21373	90	GGGG	89	21
17421W	5312N	2976-21304	50	FFGF	88	23
17452W	5717N	2960-21415	80	GGGG	90	20
17454W	5713N	2942-21425	70	GGGG	90	20
17503W	5148N	2976-21310	80	GGGG	88	24
17505W	5431N	2959-21370	90	GGGG	89	22
17509W	5424N	2941-21380	90	GGGF	89	22
17543W	5554N	2960-21421	90	GGGG	90	21
17544W	5550N	2942-21431	90	GGGG	90	21
17550W	5306N	2959-21372	100	FGGG	89	23
17554W	5300N	2941-21382	90	GGGG	89	23
17630W	5426N	2942-21434	90	GGGG	90	22
17632W	5142N	2959-21375	90	GGGG	89	24
17636W	5135N	2941-21385	80	GGGG	89	24
17715W	5303N	2942-21440	90	GGGG	90	23
17757W	5139N	2942-21443	90	GGFG	90	24
17923W	5144N	2961-21491	90	GGGG	91	24
17926W	5138N	2943-21501	90	FGGG	91	24

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

!FIN

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

* U. S. GOVERNMENT PRINTING OFFICE : 1977--240-848/125

GPO 904-035