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NTISUB/D/276-009

LANDSAT 2 WORLD STANDARD CATALOG

SEPTEMBER 1, 1978
THROUGH
SEPTEMBER 30, 1978

GSFC/LWC 2-78/09
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND



(NASA-TM-79886) LANDSAT 2 WORLD STANDARD
CATALOG, 1-30 SEPTEMBER 1978 (NASA) 92 P HC
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National Aeronautics and
Space Administration

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16. Abstract (Limit: 200 words) The World Standard Catalog lists imagery acquired by Landsat 2 which has been processed and input to the data files during the referenced period. Information such as cloud cover and image quality is given for each scene. The microfilm roll and frame on which the scene may be found is also given.			
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INTRODUCTION

To provide information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), at the Goddard Space Flight Center, publishes a World Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. As a supplement to these catalogs, the Landsat imagery of several spectral bands is available on 16mm microfilm.

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 Administrative Services Division USDA-ASCS 2222 West - 2300 South Salt Lake City, Utah 84125
U.S. Department of Commerce..... National Oceanic and Atmospheric Administration	Environment Data Service Satellite Data Service Branch D543 World Weather Building Room 606 Washington, D.C. 20233
U.S. Department of the Interior..... Geological Survey	User Services Unit EROS Data Center Sioux Falls, South Dakota 57198

Additional Landsat data is acquired, processed, and archived at several other locations throughout the world. The locations of these Data Banks are:

Brazil

Instituto de Pesquisas Espaciais
Av. dos Astronautas, 1758
Caixa Postal 515
12.200 - Sao Jose dos Campos
Sao Paulo, Brazil
Attention: Dr. Nelson de Jesus Parada

Iran

Mr. Ali Ghazi
Remote Sensing and Data Collection Division
Plan and Budget Organization
Imperial Government of Iran
80 Sepand Avenue
Tehran, Iran
Attention: User Project Office

Canada

Canada Centre for Remote Sensing
2464 Sheffield Road
Ottawa, Canada
K1A 0Y7
Attention: Dr. L. Morley

Italy

Telespazio
S.P.A. Per le Comunicazioni Spaziali
Corso d'Italia 42-43
Roma 00198, Italy
Attention: Dr. G. Bressanian

For information concerning data available in these regions, it is suggested that the above data banks be contacted directly at the above addresses.

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	MSS Sensor

SECTION 1 - STANDARD CATALOG

MONTHLY CATALOG

The coverage contained in the monthly Standard Catalog is divided into two parts. Part 1 contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 2 provides a computer listing of observations organized by latitude/longitude.

A. Observation Identification Number (ID) Listing

Observation ID numbers are listed in sequential order 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.

B. Latitude/Longitude Listing

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 latitude, and within latitude by longitude. The latitude/longitude listing is arranged in the following manner:

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

C. SAMPLE OBSERVATION ID AND LATITUDE/LONGITUDE FORMAT

STANDARD CATALOG LANDSAT 2 MSS SENSOR FROM 01/01/78 TO 04/30/78																	
04/11/78 ① 04:19 ③	⑤	⑬	⑦	⑭	⑨	⑥	⑩	⑮	⑪	⑫	⑧			④			
OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MICRFLM FRAME
21127-17030	03/09/78	41	33	15715	D	28.40	133.71	0	EEEE	NO		CCCL	LLLL	38.77 N	112.69 W	2-90057	0001
21127-17033	03/09/78	41	34	15715	D	29.16	132.80	0	EEEE	NO		CCCL	LLLL	37.35 N	113.17 W	2-90057	0002
21127-17035	03/09/78	41	35	15715	D	29.91	131.88	0	EEEE	NO		CCCL	LLLL	35.93 N	113.63 W	2-90057	0003
21127-17042	03/09/78	41	36	15715	D	30.64	130.95	0	EEEE	NO		CCCL	LLLL	34.50 N	114.08 W	2-90057	0004
21127-17044	03/09/78	41	37	15715	D	31.35	130.00	0	EEEE	NO		CCCL	LLLL	33.07 N	114.51 W	2-90057	0005
21127-17051	03/09/78	41	38	15715	D	32.05	129.04	0	EEEE	NO		CCCL	LLLL	31.64 N	114.94 W	2-90057	0006
21127-18410	03/09/78	59	20	15716	S	17.49	145.52	90	EEEE	NO		CCCL	LLLL	57.05 N	130.19 W	2-90057	0007
21127-18412	03/09/78	59	21	15716	S	18.38	144.53	80	EEEE	NO		CCCL	LLLL	55.66 N	131.05 W	2-90057	0008

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
5. Date of Entry
6. Estimated percent of cloud cover # 0-100%; N/A indicates cloud cover not assessed
7. Orbit number
8. Latitude and Longitude at observation center
9. Sun elevation and azimuth at observation center
10. Image quality: P = Poor, F = Fair, E = Excellent, M = Missing. Any number in the Quality column will represent a "J" code (see page 3 for "J" codes).
11. MSS Data Mode: "C" indicates that the spacecraft signal compression mode was used to acquire bands 4, 5 and 6; "L" indicates that all bands were acquired in the linear mode.
12. MSS Image Gain: "L" indicates that all bands were acquired in low gain mode; "H" indicates that bands 4 and 5 were acquired by the spacecraft in the high gain mode.
13. Path/Row - World frame reference system
14. Day/Nite Spcl: D = daytime coverage
N = nighttime coverage (band 8 only)
S = twilight coverage (Sun elevation is between 0 and 20 degrees)
15. CCM/CCM quality: CCM indicates that a color composite master exists for that image. CCM quality indicates the quality of the color composite master (P=Poor, F=Fair, E=Excellent).

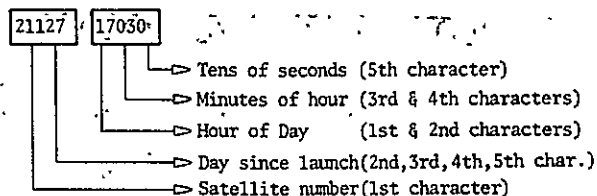


FIGURE I-1 PRINTOUT FORMAT

J-CODES

- J-Ø = M = missing images on archival film product.
- J-1 = images on archival film fail criteria because of photographic problems such as processing chemical spots or stains.
- J-2 = electron beam recorder problem evident on archival film product including:
more than 21 line drops and/or greater than 25% of image area affected;
electron beam recorder image correction failure causing image breakup;
sync lock loss; banding; window pane; false start of scan code; and data shifts.
- J-3 = spacecraft attitude parameter change rate exceeds normal limits.
- J-4 = ascending node (night) band 4-7 images on archival film or tape products (i.e., no discernable image data on bands 4-7); band 8 data available.
- J-5 = archival film bears emulsion defects which are supplier related; e.g., paint chips from film spools, film blisters, emulsion tears due to lack of adhesion.
- J-6 = partial image produced on film because of data problem; film is correctly annotated.
- J-7 = wide band video tape damaged or unavailable; digital and archival film product cannot be regenerated.
- J-8 = spacecraft data tape damaged; cannot regenerate digital product.
- J-9 = one or more tracks on wide band video tape are unrecoverable; cannot generate digital product.

SECTION 2 - MICROFILM

2.1 GENERAL

The Image Processing Facility produces a 16mm microfilm inventory of imagery processed during the referenced month which is organized for convenient use with the Standard Catalog. The following information applies only to Standard Catalogs produced after December of 1977. Refer to Document NTISUB/C/139-012 for catalogs produced prior to January of 1978.

As in the case of the Standard Catalog, the microfilm data can contain U.S. and non-U.S. segments. Each set of microfilm images is in correspondence to a Standard Catalog, except for "J" coded images which are not microfilmed, and can be used in conjunction with the catalog for selecting desired images. A maximum of 1000 images representing one or more complete Archival rolls is contained on one roll of 16mm X 100 feet of microfilm. Because the microfilm images are intended to provide a summary of the data available, only Landsat 2 MSS Band 5 and Landsat 3 RBV (cameras 1 and 2) and MSS Bands 5 and 8 are reproduced.

2.2 INTERPRETING THE CATALOG PRINTOUT

Microfilm roll numbers contain six digits, followed by a four digit frame count.

The first digit designates the satellite. Example: 3-90001/0002 is a Landsat 3 roll. The second digit will always be a 9 to designate combined U.S. and non-U.S. coverage. The remaining 5 digits before the slash are used to sequentially number all microfilm rolls prepared within each satellite group. Example: the first roll of microfilm generated for Landsat 3 is numbered 3-90001/0002. The four digit number following the roll number designates the frame location number of the scene. Example: The second frame into the roll, described above, reads 3-90001/0002.

2.3 16mm MICROFILM ROLL FORMAT

The beginning of each roll of 16mm microfilm contains 3 information frames followed by the imagery frames.

The first frame states START OF REEL and contains the microfilm roll number. The second frame contains information about where the roll of film was produced. The third frame is a 3x3 density array target which is used as an internal quality control check.

The imagery frames which follow are in the same sequence as listed in the Standard Catalog Printout.

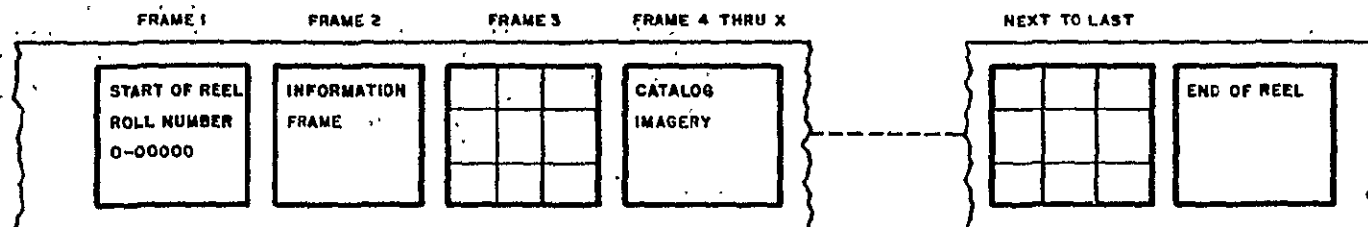


Figure 2-1 Microfilm Roll Format

2.4 MICROFILM IMAGE FORMAT

Each microfilm image contains all of the original annotation information plus two rapid search aids and a numbering system to help the user quickly reach the desired scene. See Figure 2-2.

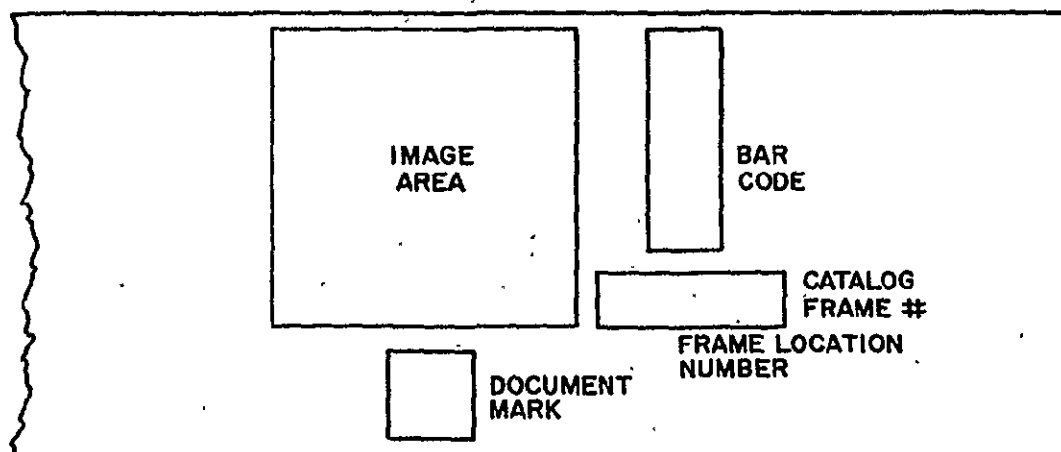


Figure 2-2 Microfilm Image Format

2.5 USER SEARCH AIDS

The User Search aids are the bar code indexing system, the document mark, and the four digit number.

A. Bar Code Indexing System

The Landsat microfilm images have been annotated with visual bar code lines to the right of each frame. The visual bar code lines graduate up the edge of the screen as the film advances and allows the user to advance rapidly to within 49 frames of his desired image. See Figure 2-3.

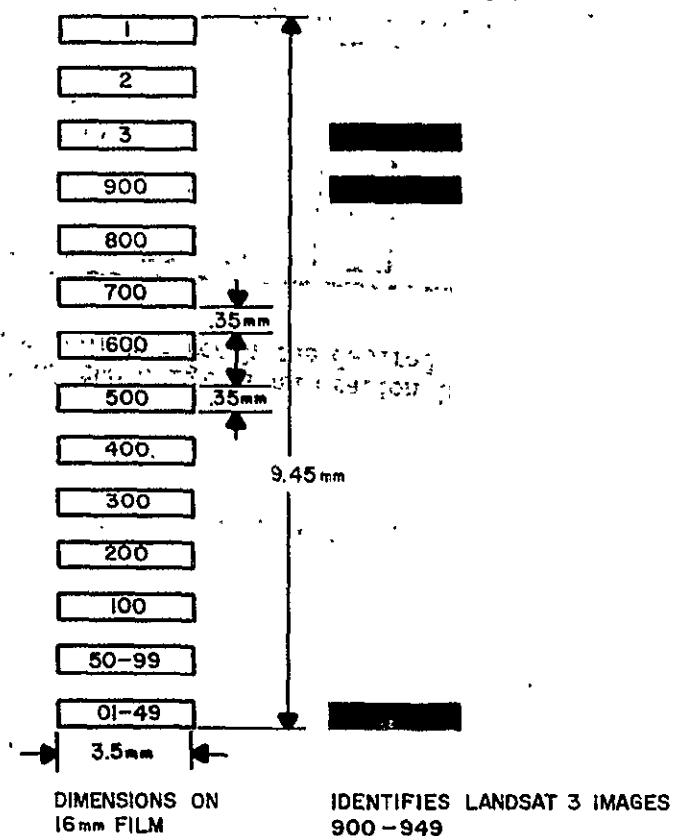


FIGURE 2-3 BAR CODE INDEXING SCALE

To utilize this system, a user must generate a bar code indexing scale to attach to the face of his viewer. 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 5.75X. To determine the overall length of a bar code indexing scale required for the users' microfilm viewer, multiply 9.45mm (14 bars and 13 spaces, each .35mm in height) by the viewer lens enlargement factor. Multiply .35mm by the viewer lens enlargement factor to determine the individual bar and space heights on the bar code indexing scale.

B. The Document Mark

The LANDSAT microfilm images have also been annotated with a document mark 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 document mark 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 (columns 17 & 18-Microfilm Roll and Frame) 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' document marks 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. (See Figure 2-4.)

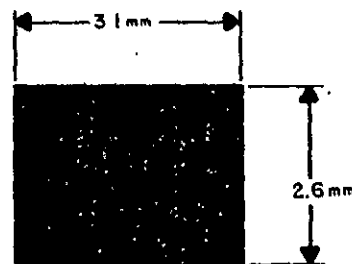


Figure 2-4 Document Mark Size on 16mm Microfilm

SECTION 3 - LANDSAT 2 CYCLES

CYCLE	DAYS SINCE LAUNCH		CALENDAR DATE		CYCLE	DAYS SINCE LAUNCH		CALENDAR DATE	
	BEGIN	END	BEGIN	END		BEGIN	END	BEGIN	END
38	689	706	11 Dec 76	28 Dec 76	55	995	1012	13 Oct 77	30 Oct 77
39	707	724	29 Dec 76	15 Jan 77	56	1013	1030	31 Oct 77	17 Nov 77
40	725	742	16 Jan 77	2 Feb 77	57	1031	1048	18 Nov 77	5 Dec 77
41	743	760	3 Feb 77	20 Feb 77	58	1049	1066	6 Dec 77	23 Dec 77
42	761	778	21 Feb 77	10 Mar 77	59	1067	1084	24 Dec 77	10 Jan 78
43	779	796	11 Mar 77	28 Mar 77	60	1085	1102	11 Jan 78	28 Jan 78
44	797	814	29 Mar 77	15 Apr 77	61	1103	1120	29 Jan 78	15 Feb 78
45	815	832	16 Apr 77	3 May 77	62	1121	1138	16 Feb 78	5 Mar 78
46	833	850	4 May 77	21 May 77	63	1139	1156	6 Mar 78	23 Mar 78
47	851	868	22 May 77	8 Jun 77	64	1157	1174	24 Mar 78	10 Apr 78
48	869	886	9 Jun 77	26 Jun 77	65	1175	1192	11 Apr 78	28 Apr 78
49	887	904	27 Jun 77	14 Jul 77	66	1193	1210	29 Apr 78	16 May 78
50	905	922	15 Jun 77	1 Aug 77	67	1211	1228	17 May 78	3 Jun 78
51	923	940	2 Aug 77	19 Aug 77	68	1229	1246	4 Jun 78	21 Jun 78
52	941	958	20 Aug 77	6 Sep 77	69	1247	1264	22 Jun 78	9 Jul 78
53	959	976	7 Sep 77	24 Sep 77	70	1265	1282	10 Jul 78	27 Jul 78
54	977	994	25 Sep 77	12 Oct 77	71	1283	1300	28 Jul 78	14 Aug 78

LANDSAT 2 CYCLES (Cont'd)

CYCLE	DAYS SINCE LAUNCH		CALENDAR DATE		CYCLE	DAYS SINCE LAUNCH		CALENDAR DATE	
	BEGIN	END	BEGIN	END		BEGIN	END	BEGIN	END
72	1301	1318	15 Aug 78	1 Sep 78	76	1373	1390	26 Oct 78	12 Nov 78
73	1319	1336	2 Sep 78	19 Sep 78	77	1391	1408	13 Nov 78	30 Nov 78
74	1337	1354	20 Sep 78	7 Oct 78	78	1409	1426	1 Dec 78	18 Dec 78
75	1355	1372	8 Oct 78	25 Oct 78	79	1427	1444	19 Dec 78	5 Jan 79

SECTION 4

LANDSAT 2 OBSERVATION ID LISTING

GODDARD SPACE FLIGHT CENTER
LANDSAT IMAGE PROCESSING FACILITY
INFORMATION PRODUCTION AND CONTROL SYSTEM

ARCHIVAL IMAGE REPORT -ARCHIM
STANDARD CATALOG
LANDSAT 2 MSS SENSOR
FROM 09/01/78 TO 09/30/78

11/25/78
06:23

PAGE 1

OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2100712472	09/02/78	244	79	14039	D	45.46	079.18	80	FEFF	NO		CCCL	LLLL	27.35 S	060.64 W	290077	127
2100712474	09/02/78	244	80	14039	D	44.92	077.95	90	PFF2	NO		CCCL	LLLL	28.78 S	061.04 W	290077	128
2100712481	09/02/78	244	81	14039	D	44.35	076.77	80	2222	NO		CCCL	LLLL	30.21 S	061.45 W	0	0
2100712483	09/02/78	244	82	14039	D	43.76	075.65	NA	MMMM	NO		CCCL	LLLL	31.65 S	061.85 W	0	0
2100712490	09/02/78	244	83	14039	D	43.13	074.57	NA	MMMM	NO		CCCL	LLLL	33.08 S	062.27 W	0	0
2100712492	09/02/78	244	84	14039	D	42.48	073.54	NA	MMMM	NO		CCCL	LLLL	34.51 S	062.71 W	0	0
2100712495	09/02/78	244	85	14039	D	41.80	072.58	NA	MMMM	NO		CCCL	LLLL	35.94 S	063.15 W	0	0
2100712501	09/02/78	244	86	14039	D	41.09	071.66	NA	MMMM	NO		CCCL	LLLL	37.36 S	063.61 W	0	0
2100712504	09/02/78	244	87	14039	D	40.36	070.80	NA	MMMM	NO		CCCL	LLLL	38.79 S	064.08 W	0	0
2100712510	09/02/78	244	88	14039	D	39.61	070.00	NA	MMMM	NO		CCCL	LLLL	40.21 S	064.57 W	0	0
2106312572	09/02/78	246	81	14820	D	45.65	093.61	NA	F2EE	NO		CCCL	LLLL	30.17 S	064.45 W	290077	129
2106312574	09/02/78	246	82	14820	D	45.46	092.29	NA	F2EE	NO		CCCL	LLLL	31.60 S	064.87 W	290077	130
2106312581	09/02/78	246	83	14820	D	45.23	091.02	NA	F2F2	NO		CCCL	LLLL	33.03 S	065.30 W	290077	131
2106312583	09/02/78	246	84	14820	D	44.97	089.77	NA	F2FE	NO		CCCL	LLLL	34.46 S	065.73 W	290077	132
2106312590	09/02/78	246	85	14820	D	44.67	088.56	NA	F222	NO		CCCL	LLLL	35.89 S	066.18 W	290077	133
2111415442	09/24/78	28	25	15533	S	17.59	142.43	NA	MMMM	NO		CCCL	LLLL	50.10 N	089.57 W	0	0
2111415445	09/24/78	28	26	15533	S	18.48	141.64	NA	MMMM	NO		CCCL	LLLL	48.69 N	090.22 W	0	0
2111415451	09/24/78	28	27	15533	S	19.37	140.86	NA	MMMM	NO		CCCL	LLLL	47.28 N	090.84 W	0	0
2111415454	09/24/78	28	28	15533	D	20.24	140.09	NA	MMMM	NO		CCCL	LLLL	45.87 N	091.42 W	0	0
2111415460	09/24/78	28	29	15533	D	21.11	139.32	NA	MMMM	NO		CCCL	LLLL	44.45 N	091.98 W	0	0
2111415463	09/24/78	28	30	15533	D	21.97	138.55	NA	MMMM	NO		CCCL	LLLL	43.03 N	092.52 W	0	0
2111415465	09/24/78	28	31	15533	D	22.82	137.77	NA	MMMM	NO		CCCL	LLLL	41.61 N	093.04 W	0	0
2111415472	09/24/78	28	32	15533	D	23.66	137.00	NA	MMMM	NO		CCCL	LLLL	40.19 N	093.55 W	0	0
2111415474	09/24/78	28	33	15533	D	24.49	136.22	NA	MMMM	NO		CCCL	LLLL	38.77 N	094.04 W	0	0
2111415481	09/24/78	28	34	15533	D	25.30	135.43	NA	MMMM	NO		CCCL	LLLL	37.35 N	094.51 W	0	0
2111415483	09/24/78	28	35	15533	D	26.10	134.63	NA	MMMM	NO		CCCL	LLLL	35.92 N	094.97 W	0	0
2111415490	09/24/78	28	36	15533	D	26.90	133.82	NA	MMMM	NO		CCCL	LLLL	34.49 N	095.42 W	0	0
2111415492	09/24/78	28	37	15533	D	27.68	133.00	NA	MMMM	NO		CCCL	LLLL	33.07 N	095.86 W	0	0
2111415495	09/24/78	28	38	15533	D	28.44	132.17	NA	MMMM	NO		CCCL	LLLL	31.64 N	096.28 W	0	0
2111415501	09/24/78	28	39	15533	D	29.19	131.32	NA	MMMM	NO		CCCL	LLLL	30.21 N	096.70 W	0	0
2115801141	09/30/78	125	51	16138	D	45.67	101.22	30	EEEE	NO		CCCL	HHLL	12.98 N	119.66 E	290077	21
2115801144	09/30/78	125	52	16138	D	45.70	099.67	20	EEEE	NO		CCCL	HHLL	11.54 N	119.31 E	290077	22
2115801150	09/30/78	125	53	16138	D	45.69	098.13	40	EEEE	NO		CCCL	HHLL	10.10 N	118.96 E	290077	23
2115801185	09/30/78	125	62	16138	D	43.91	084.98	90	EEEE	NO		CCCL	HHLL	02.86 S	115.92 E	290077	24
2115801191	09/30/78	125	63	16138	D	43.54	083.64	100	FFEE	NO		CCCL	HHLL	04.30 S	115.58 E	290077	25
2115801194	09/30/78	125	64	16138	D	43.13	082.34	100	EEEE	NO		CCCL	HHLL	05.74 S	115.23 E	290077	26

ARCHIVAL IMAGE REPORT - ARCHIM
STANDARD CATALOG
LANDSAT 2 MSS SENSOR
FROM 09/01/78 TO 09/30/78

11/25/78
06:25

PAGE 2

OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM GLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLN FRAME
2115801200	09/30/78	125	65	16138	D	42.69	081.07	90	EEEE	NO			CCCL HHLL 07.18 S	114.89 E	290077	27
2115801203	09/30/78	125	66	16138	D	42.22	079.84	90	EEEE	NO			CCCL HHLL 08.62 S	114.55 E	290077	28
2115801205	09/30/78	125	67	16138	D	41.72	078.65	90	EEEE	NO			CCCL HHLL 10.06 S	114.20 E	290077	29
2115804313	09/30/78	161	29	16140	D	36.53	132.58	10	EEEE	NO			CCCL LLLL 44.44 N	077.25 E	290077	30
2115804320	09/30/78	161	30	16140	D	37.24	131.32	10	EEEE	NO			CCCL LLLL 43.03 N	076.71 E	290077	31
2115806161	09/30/78	179	32	16141	D	38.61	128.76	90	EEEE	NO			CCCL LLLL 40.20 N	049.84 E	290077	32
2115806163	09/30/78	179	33	16141	D	39.26	127.45	70	EEEE	NO			CCCL LLLL 38.77 N	049.35 E	290077	33
2115806170	09/30/78	179	34	16141	D	39.87	126.14	NA	MMMM	NO			CCCL LLLL 37.35 N	048.88 E	0	U
2115806172	09/30/78	179	35	16141	D	40.47	124.79	50	EEEE	NO			CCGL LLLL 35.92 N	048.42 E	290077	34
2115806175	09/30/78	179	36	16141	D	41.03	123.44	50	EEEE	NO			CCGL LLLL 34.50 N	047.97 E	290077	35
2116104501	09/30/78	164	32	16182	D	39.70	128.14	50	EEEE	NO			CCCL LLLL 40.19 N	071.39 E	290077	36
2116106324	09/30/78	182	30	16183	D	38.39	130.79	90	EEEE	NO			CCCL LLLL 43.04 N	046.55 E	290077	37
2116106330	09/30/78	182	31	16183	D	39.07	129.47	90	EEEE	NO			CCCL LLLL 41.62 N	046.03 E	290077	38
2116106333	09/30/78	182	32	16183	D	39.72	128.14	90	EEEE	NO			CCCL LLLL 40.20 N	045.53 E	290077	39
2116106335	09/30/78	182	33	16183	D	40.35	126.78	30	EEEE	NO			CCCL LLLL 38.77 N	045.05 E	290077	40
2116108121	09/30/78	200	21	16184	D	31.48	142.33	40	EEEE	NO			CCCL LLLL 55.65 N	026.70 E	290077	41
2116108124	09/30/78	200	22	16184	D	32.32	141.02	30	EEEE	NO			CCCL LLLL 54.26 N	025.90 E	290077	42
2116108130	09/30/78	200	23	16184	D	33.15	139.73	20	EEEE	NO			CCCL LLLL 52.87 N	025.15 E	290077	43
2116108133	09/30/78	200	24	16184	D	33.96	138.45	10	EEEE	NO			CCCL LLLL 51.47 N	024.43 E	290077	44
2116108135	09/30/78	200	25	16184	D	34.75	137.18	10	EEEE	NO			CCCL LLLL 50.07 N	023.75 E	290077	45
2116108142	09/30/78	200	26	16184	D	35.53	135.90	10	EEEE	NO			CCCL LLLL 48.67 N	023.10 E	290077	46
2116109571	09/30/78	218	25	16185	D	34.77	137.19	80	EEEE	NO			CCCL LLLL 50.08 N	002.06 W	290077	47
2116109573	09/30/78	218	26	16185	D	35.54	135.91	80	EEEE	NO			CCCL LLLL 48.68 N	002.71 W	290077	48
2116109580	09/30/78	218	27	16185	D	36.30	134.64	70	EEEE	NO			CCCL LLLL 47.27 N	003.32 W	290077	49
2116805314	09/30/78	171	34	16280	D	43.39	123.64	90	EEEE	NO			CCCL LLLL 37.35 N	060.36 E	290077	50
2116807090	09/30/78	189	20	16281	D	33.36	143.32	0	EEEE	NO			CCCL LLLL 57.05 N	043.30 E	290077	51
2116807093	09/30/78	189	21	16281	D	34.20	141.92	0	EEEE	NO			CCCL LLLL 55.67 N	042.44 E	290077	52
2116807095	09/30/78	189	22	16281	D	35.04	140.52	0	EEEE	NO			CCCL LLLL 54.29 N	041.64 E	290077	53
2116807102	09/30/78	189	23	16281	D	35.85	139.14	NA	MMMM	NO			CCCL LLLL 52.89 N	040.88 E	0	0
2116807104	09/30/78	189	24	16281	D	36.64	137.78	10	EEEE	NO			CCCL LLLL 51.49 N	040.18 E	290077	54
2116807111	09/30/78	189	25	16281	D	37.42	136.42	80	EEEE	NO			CCCL LLLL 50.08 N	039.51 E	290077	55
2116807113	09/30/78	189	26	16281	D	38.19	135.03	90	EEEE	NO			CCCL LLLL 48.68 N	038.86 E	290077	56
2116807120	09/30/78	189	27	16281	D	38.93	133.65	80	EEEE	NO			CCCL LLLL 47.27 N	038.25 E	290077	57
2116807122	09/30/78	189	28	16281	D	39.64	132.27	70	EEEE	NO			CCCL LLLL 45.86 N	037.65 E	290077	58
2116807125	09/30/78	189	29	16281	D	40.33	130.87	60	EEEE	NO			CCCL LLLL 44.45 N	037.08 E	290077	59
2116814171	09/30/78	10	56	16285	D	46.69	087.80	90	EEEE	NO			CCCL LLLL 05.78 N	077.09 W	290077	60
2116814173	09/30/78	10	57	16285	D	46.38	086.28	100	EEEE	NO			CCCL LLLL 04.33 N	077.43 W	290077	61
2116814180	09/30/78	10	58	16285	D	46.03	084.78	90	EEEE	NO			CCCL LLLL 02.89 N	077.76 W	290077	62
2116814182	09/30/78	10	59	16285	D	45.65	083.32	40	EEEE	NO			CCCL LLLL 01.45 N	078.10 W	290077	63
2117305554	09/24/78	176	22	16350	D	36.93	140.13	60	EEEE	NO			CCCL LLLL 54.28 N	060.30 E	290077	1

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2117305560	09/24/78	176	23	16350	D	37.74	138.67	50	EEEE	NO			CCCL LLLL	52.88 N 059.54 E	290077	2
2117305563	09/24/78	176	24	16350	D	38.53	137.22	30	EEEE	NO			CCCL LLLL	51.49 N 058.83 E	290077	3
2117305565	09/24/78	176	25	16350	D	39.29	135.79	50	EEEE	NO			CCCL LLLL	50.09 N 058.14 E	290077	4
2117305572	09/24/78	176	26	16350	D	40.04	134.35	70	EEEE	NO			CCCL LLLL	48.68 N 057.50 E	290077	5
2117306003	09/24/78	176	34	16350	D	45.08	122.29	70	EEEE	NO			CCCL LLLL	37.35 N 053.17 E	290077	6
2117306010	09/24/78	176	35	16350	D	45.58	120.69	30	EEEE	NO			CCCL LLLL	35.93 N 052.70 E	290077	7
2117306012	09/24/78	176	36	16350	D	46.04	119.07	20	EEEE	NO			CCCL LLLL	34.50 N 052.25 E	290077	8
2117306015	09/24/78	176	37	16350	D	46.47	117.43	10	EEEE	NO			CCCL LLLL	33.08 N 051.81 E	290077	9
2117307374	09/24/78	194	19	16351	D	34.46	144.50	80	EEEE	NO			CCCL LLLL	58.42 N 037.06 E	290077	10
2117307380	09/24/78	194	20	16351	D	35.32	143.00	50	EEEE	NO			CCCL LLLL	57.04 N 036.15 E	290077	11
2117307383	09/24/78	194	21	16351	D	36.16	141.52	10	EEEE	NO			CCCL LLLL	55.66 N 035.30 E	290077	12
2117307385	09/24/78	194	22	16351	D	36.98	140.08	10	EEEE	NO			CCCL LLLL	54.27 N 034.50 E	290077	13
2117307392	09/24/78	194	23	16351	D	37.77	138.65	10	EEEE	NO			CCCL LLLL	52.88 N 033.73 E	290077	14
2117307394	09/24/78	194	24	16351	D	38.55	137.23	20	EEEE	NO			CCCL LLLL	51.48 N 033.02 E	290077	15
2117307401	09/24/78	194	25	16351	D	39.31	135.79	50	EEEE	NO			CCCL LLLL	50.08 N 032.34 E	290077	16
2117307403	09/24/78	194	26	16351	D	40.06	134.34	80	EEEE	NO			CCCL LLLL	48.68 N 031.68 E	290077	17
2117307410	09/24/78	194	27	16351	D	40.79	132.88	70	EEEE	NO			CCCL LLLL	47.27 N 031.07 E	290077	18
2117307412	09/24/78	194	28	16351	D	41.48	131.41	30	EEEE	NO			CCCL LLLL	45.86 N 030.48 E	290077	19
2117314445	09/24/78	15	53	16355	D	48.04	089.83	10	EEEE	NO			CCCL HHLL	10.10 N 083.25 W	290077	20
2120015271	09/02/78	24	27	16732	D	49.34	128.01	30	EEEE	NO			CCCL LLLL	47.27 N 085.08 W	290077	83
2120015273	09/02/78	24	28	16732	D	49.92	126.09	30	EEEE	NO			CCCL LLLL	45.86 N 085.67 W	290077	84
2120015280	09/02/78	24	29	16732	D	50.47	124.14	10	EEEE	NO			CCCL LLLL	44.45 N 086.25 W	290077	85
2120015282	09/02/78	24	30	16732	D	50.97	122.18	20	EEEE	NO			CCCL LLLL	43.03 N 086.77 W	290077	86
2120015285	09/02/78	24	31	16732	D	51.44	120.18	20	EEEE	NO			CCCL LLLL	41.61 N 087.30 W	290077	87
2120015291	09/02/78	24	32	16732	D	51.87	118.15	40	EEEE	NO			CCCL LLLL	40.19 N 087.81 W	290077	88
2120015294	09/02/78	24	33	16732	D	52.25	116.10	70	EEEE	NO			CCCL LLLL	38.77 N 088.30 W	290077	89
2120015300	09/02/78	24	34	16732	D	52.59	114.03	80	EEEE	NO			CCCL LLLL	37.35 N 088.77 W	290077	90
2120015303	09/02/78	24	35	16732	D	52.88	111.95	20	EEEE	NO			CCCL LLLL	35.92 N 089.23 W	290077	91
2120015305	09/02/78	24	36	16732	D	53.12	109.85	10	EEEE	NO			CCCL LLLL	34.49 N 089.67 W	290077	92
2120015312	09/02/78	24	37	16732	D	53.32	107.73	70	EEEE	NO			CCCL LLLL	33.06 N 090.11 W	290077	93
2120015314	09/02/78	24	38	16732	D	53.47	105.60	100	EEEE	NO			CCCL LLLL	31.64 N 090.54 W	290077	94
2120015321	09/02/78	24	39	16732	D	53.57	103.48	100	EEEE	NO			CCCL LLLL	30.21 N 090.96 W	290077	95
2120015323	09/02/78	24	40	16732	D	53.62	101.36	NA	MMMM	NO			CCCL LLLL	28.77 N 091.36 W	0	0
2122314140	09/02/78	11	28	17052	D	53.99	121.21	10	EEEE	NO			CCCL LLLL	45.85 N 067.00 W	290077	119
2122314142	09/02/78	11	29	17052	D	54.42	118.95	50	EEEE	NO			CCCL LLLL	44.44 N 067.56 W	290077	120
2122416030	09/02/78	30	28	17067	D	54.10	121.00	90	2PPP	NO			CCCL LLLL	45.84 N 094.23 W	290077	405
2122416033	09/02/78	30	29	17067	D	54.52	118.72	50	2EEE	NO			CCCL LLLL	44.43 N 094.80 W	290077	406
2122416035	09/02/78	30	30	17067	D	54.90	116.43	10	EEEE	NO			CCCL LLLL	43.01 N 095.34 W	290077	407
2122416042	09/02/78	30	31	17067	D	55.22	114.13	0	EEEE	NO			CCCL LLLL	41.60 N 095.86 W	290077	408
2122416044	09/02/78	30	32	17067	D	55.49	111.79	10	EEEE	NO			CCCL LLLL	40.18 N 096.37 W	290077	409

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2122416051	09/02/78	30	33	17067	D	55.71	109.44	10	EEEE	NO			CCCL LLLL 38.75 N	096.86 W	290077	410
2122416053	09/02/78	30	34	17067	D	55.88	107.09	0	EEEE	NO			CCCL LLLL 37.33 N	097.33 W	290077	411
2122416060	09/02/78	30	35	17067	D	55.99	104.72	10	EEEE	NO			CCCL LLLL 35.91 N	097.79 W	290077	412
2122416062	09/02/78	30	36	17067	D	56.05	102.36	0	EEEE	NO			CCCL LLLL 34.48 N	098.25 W	290077	413
2122416065	09/02/78	30	37	17067	D	56.06	100.01	10	EEEE	NO			CCCL LLLL 33.05 N	098.68 W	290077	414
2122416071	09/02/78	30	38	17067	D	56.01	097.68	10	EEFE	NO			CCCL LLLL 31.63 N	099.11 W	290077	415
2122416074	09/02/78	30	39	17067	D	55.90	095.37	40	EEEE	NO			CCCL LLLL 30.19 N	099.52 W	290077	416
2122416080	09/02/78	30	40	17067	D	55.74	093.10	NA	2222	NO			CCCL LLLL 28.76 N	099.92 W	0	0
2122704144	09/02/78	158	21	17102	D	50.28	135.81	20	EEEE	NO			CCCL LLLL 55.67 N	086.92 E	290077	134
2122704150	09/02/78	158	22	17102	D	50.98	133.69	70	EEEE	NO			CCCL LLLL 54.28 N	086.11 E	290077	135
2122704153	09/02/78	158	23	17102	D	51.63	131.57	90	EEEE	NO			CCCL LLLL 52.88 N	085.36 E	290077	136
2122704155	09/02/78	158	24	17102	D	52.25	129.43	80	EEEE	NO			CCCL LLLL 51.48 N	084.65 E	290077	137
2122704162	09/02/78	158	25	17102	D	52.84	127.23	60	EEEE	NO			CCCL LLLL 50.08 N	083.97 E	290077	138
2122704164	09/02/78	158	26	17102	D	53.38	125.02	20	EEEE	NO			CCCL LLLL 48.67 N	083.33 E	290077	139
2122704171	09/02/78	158	27	17102	D	53.88	122.80	0	EEEE	NO			CCCL LLLL 47.26 N	082.72 E	290077	140
2122704173	09/02/78	158	28	17102	D	54.33	120.55	10	EEEE	NO			CCCL LLLL 45.85 N	082.13 E	290077	141
2122704175	09/02/78	158	29	17102	D	54.74	118.27	10	FFFF	NO			CCCL LLLL 44.44 N	081.57 E	290077	142
2122704182	09/02/78	158	30	17102	D	55.10	115.95	30	EEEE	NO			CCCL LLLL 43.02 N	081.03 E	290077	143
2122704184	09/02/78	158	31	17102	D	55.42	113.62	30	EEEE	NO			CCCL LLLL 41.60 N	080.50 E	290077	144
2122705570	09/02/78	176	19	17103	D	48.81	140.01	70	EEFE	NO			CCCL LLLL 58.41 N	062.89 E	290077	145
2122705573	09/02/78	176	20	17103	D	49.57	137.90	60	EEEE	NO			CCCL LLLL 57.03 N	061.98 E	290077	146
2122705575	09/02/78	176	21	17103	D	50.29	135.79	60	EEFE	NO			CCCL LLLL 55.64 N	061.14 E	290077	147
2122705582	09/02/78	176	22	17103	D	50.99	133.68	40	EEEE	NO			CCCL LLLL 54.25 N	060.34 E	290077	148
2122705584	09/02/78	176	23	17103	D	51.65	131.54	70	EEEE	NO			CCCL LLLL 52.86 N	059.59 E	290077	149
2122705591	09/02/78	176	24	17103	D	52.27	129.38	80	EEEE	NO			CCCL LLLL 51.46 N	058.88 E	290077	150
2122705593	09/02/78	176	25	17103	D	52.85	127.20	90	EEEE	NO			CCCL LLLL 50.06 N	058.20 E	290077	151
2122706000	09/02/78	176	26	17103	D	53.39	125.01	90	EEEE	NO			CCCL LLLL 48.66 N	057.55 E	290077	152
2123019580	09/30/78	72	13	17153	D	44.11	152.98	60	EEEE	NO			CCCL LLLL 66.54 N	140.75 W	290077	64
2123019583	09/30/78	72	14	17153	D	45.01	150.61	40	EEEE	NO			CCCL LLLL 65.21 N	142.21 W	290077	65
2123019585	09/30/78	72	15	17153	D	45.90	148.33	20	EEEE	NO			CCCL LLLL 63.86 N	143.55 W	290077	66
2123019592	09/30/78	72	16	17153	D	46.76	146.11	30	EEEE	NO			CCCL LLLL 62.51 N	144.77 W	290077	67
2123019594	09/30/78	72	17	17153	D	47.59	143.92	30	EEEE	NO			CCCL LLLL 61.15 N	145.90 W	290077	68
2123204442	09/30/78	163	23	17172	D	52.08	130.87	20	EEFE	NO			CCCL LLLL 52.86 N	078.23 E	290078	536
2123204445	09/30/78	163	24	17172	D	52.69	128.68	30	EEEE	NO			CCCL LLLL 51.46 N	077.52 E	290078	537
2123204451	09/30/78	163	25	17172	D	53.25	126.47	40	EEEE	NO			CCCL LLLL 50.06 N	076.84 E	290078	538
2123204454	09/30/78	163	26	17172	D	53.77	124.25	60	EEEE	NO			CCCL LLLL 48.66 N	076.20 E	290078	539
2123204460	09/30/78	163	27	17172	D	54.25	121.97	70	EEEE	NO			CCCL LLLL 47.25 N	075.58 E	290078	540
2123204463	09/30/78	163	28	17172	D	54.69	119.68	70	EEEE	NO			CCCL LLLL 45.84 N	075.00 E	290078	541
2123204465	09/30/78	163	29	17172	D	55.08	117.37	40	EEEE	NO			CCCL LLLL 44.42 N	074.43 E	290078	542
2123204471	09/30/78	163	30	17172	D	55.42	115.02	50	EEEE	NO			CCCL LLLL 43.01 N	073.88 E	290078	543

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2123301240	09/30/78	128	24	17184	D	52.74	128.57	60	EEEE	NO			CCCL LLLL	51.47 N	127.71 E	290078	544
2123301242	09/30/78	128	25	17184	D	53.30	126.36	60	EEEE	NO			CCCL LLLL	50.06 N	127.04 E	290078	545
2123301245	09/30/78	128	26	17184	D	53.83	124.11	20	EEFE	NO			CCCL LLLL	48.65 N	126.40 E	290078	546
2123301251	09/30/78	128	27	17184	D	54.30	121.84	50	EEEE	NO			CCCL LLLL	47.24 N	125.79 E	290078	547
2123301254	09/30/78	128	28	17184	D	54.73	119.54	50	EEEE	NO			CCCL LLLL	45.83 N	125.21 E	290078	548
2123301260	09/30/78	128	29	17184	D	55.12	117.21	30	EEEE	NO			CCCL LLLL	44.42 N	124.65 E	290078	549
2123303063	09/30/78	146	22	17185	D	51.49	132.96	50	EEEE	NO			CCCL LLLL	54.26 N	103.36 E	290078	550
2123303092	09/30/78	146	29	17185	D	55.12	117.21	30	EEEE	NO			CCCL LLLL	44.43 N	098.81 E	290078	551
2123303095	09/30/78	146	30	17185	D	55.46	114.85	NA	2222	NO			CCCL LLLL	43.01 N	098.26 E	0	0
2123303130	09/30/78	146	38	17185	D	56.22	095.82	NA	2222	NO			CCCL LLLL	31.62 N	094.50 E	0	0
2123303133	09/30/78	146	39	17185	D	56.06	093.50	NA	MMMM	NO			CCCL LLLL	30.19 N	094.08 E	0	0
2123303135	09/30/78	146	40	17185	D	55.86	091.21	NA	M66M	NO			CCCL LLLL	28.76 N	093.67 E	0	0
2123303142	09/30/78	146	41	17185	D	55.60	088.98	NA	MM22	NO			CCCL LLLL	27.33 N	093.27 E	0	0
2123304533	09/30/78	164	31	17186	D	55.74	112.51	NA	6666	NO			CCCL LLLL	41.60 N	071.91 E	0	0
2123304535	09/30/78	164	32	17186	D	55.97	110.13	90	EEEE	NO			CCCL LLLL	40.18 N	071.41 E	290077	69
2123306323	09/30/78	182	21	17187	D	50.83	135.09	30	EEEE	NO			CCCL LLLL	55.64 N	052.53 E	290077	70
2123306330	09/30/78	182	22	17187	D	51.51	132.93	30	EEEE	NO			CCCL LLLL	54.25 N	051.75 E	290077	71
2123306332	09/30/78	182	23	17187	D	52.15	130.75	10	EEEE	NO			CCCL LLLL	52.86 N	051.00 E	290077	72
2123306335	09/30/78	182	24	17187	D	52.75	128.55	10	EEEE	NO			CCCL LLLL	51.46 N	050.27 E	290077	73
2123306341	09/30/78	182	25	17187	D	53.32	126.33	0	EEEE	NO			CCCL LLLL	50.06 N	049.59 E	290077	74
2123306344	09/30/78	182	26	17187	D	53.84	124.08	0	EEEE	NO			CCCL LLLL	48.66 N	048.95 E	290077	75
2123306350	09/30/78	182	27	17187	D	54.31	121.82	0	EEEE	NO			CCCL LLLL	47.25 N	048.34 E	290077	76
2123306353	09/30/78	182	28	17187	D	54.75	119.52	0	EEEE	NO			CCCL LLLL	45.83 N	047.75 E	290077	77
2123306355	09/30/78	182	29	17187	D	55.13	117.20	0	EEEE	NO			CCCL LLLL	44.42 N	047.18 E	290077	78
2123306362	09/30/78	182	30	17187	D	55.46	114.86	10	EEEE	NO			CCCL LLLL	43.01 N	046.64 E	290077	79
2123306364	09/30/78	182	31	17187	D	55.75	112.50	80	EEEE	NO			CCCL LLLL	41.59 N	046.12 E	290077	80
2123306371	09/30/78	182	32	17187	D	55.98	110.11	60	EEEE	NO			CCCL LLLL	40.17 N	045.61 E	290077	81
2123306373	09/30/78	182	33	17187	D	56.15	107.71	10	EEEE	NO			CCCL LLLL	38.75 N	045.12 E	290077	82
2123404544	09/17/78	165	20	17200	D	50.18	137.15	NA	MMMM	NO			CCCL LLLL	57.03 N	077.76 E	0	0
2123404550	09/17/78	165	21	17200	D	50.89	135.00	90	EEFE	NO			CCCL LLLL	55.65 N	076.91 E	290078	82
2123404553	09/17/78	165	22	17200	D	51.56	132.83	70	EEFE	NO			CCCL LLLL	54.26 N	076.10 E	290078	83
2123404555	09/17/78	165	23	17200	D	52.20	130.67	60	EEEE	NO			CCCL LLLL	52.87 N	075.35 E	290078	84
2123404562	09/17/78	165	24	17200	D	52.80	128.45	90	EEFE	NO			CCCL LLLL	51.47 N	074.63 E	290078	85
2123404564	09/17/78	165	25	17200	D	53.36	126.22	NA	EEFE	NO			CCCL LLLL	50.07 N	073.96 E	290078	86
2123404571	09/17/78	165	26	17200	D	53.88	123.97	NA	MMMM	NO			CCCL LLLL	48.66 N	073.31 E	0	0
2123404573	09/17/78	165	27	17200	D	54.35	121.71	NA	MMMM	NO			CCCL LLLL	47.25 N	072.70 E	0	0
2123503203	09/17/78	148	28	17213	D	54.82	119.26	100	EEFE	NO			CCCL LLLL	45.84 N	096.50 E	290078	87
2123503205	09/17/78	148	29	17213	D	55.20	116.92	90	EEFE	NO			CCCL LLLL	44.43 N	095.94 E	290078	88
2123503212	09/17/78	148	30	17213	D	55.53	114.57	10	EEFE	NO			CCCL LLLL	43.01 N	095.39 E	290078	89
2123503214	09/17/78	148	31	17213	D	55.81	112.19	10	EEFE	NO			CCCL LLLL	41.60 N	094.87 E	290078	90

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME	
2123503221	09/17/78	148	32	17213	D	56.03	109.81	50	EFEE	NO			CCCL LLLL	40.18 N	094.36 E	290078	91
2123503223	09/17/78	148	33	17213	D	56.20	107.42	60	EFEE	NO			CCCL LLLL	38.76 N	093.86 E	290078	92
2123503230	09/17/78	148	34	17213	D	56.31	105.02	90	EFEE	NO			CCCL LLLL	37.33 N	093.39 E	290078	93
2123503232	09/17/78	148	35	17213	D	56.37	102.62	90	EFEE	NO			CCCL LLLL	35.91 N	092.93 E	290078	94
2123503235	09/17/78	148	36	17213	D	56.38	100.23	80	EEEE	NO			CCCL LLLL	34.48 N	092.50 E	290078	95
2123503241	09/17/78	148	37	17213	D	56.33	097.86	80	EFEE	NO			CCCL LLLL	33.05 N	092.05 E	290078	96
2123503244	09/17/78	148	38	17213	D	56.22	095.51	70	EFEE	NO			CCCL LLLL	31.62 N	091.62 E	290078	97
2123503250	09/17/78	148	39	17213	D	56.06	093.19	70	EEFE	NO			CCCL LLLL	30.19 N	091.21 E	290078	98
2123803350	09/17/78	151	21	17255	D	51.09	134.59	30	E222	NO			CCCL LLLL	55.65 N	096.97 E	290077	243
2123803352	09/17/78	151	22	17255	D	51.75	132.42	10	EEFP	NO			CCCL LLLL	54.27 N	096.17 E	290077	244
2123803355	09/17/78	151	23	17255	D	52.38	130.23	NA	MMMM	NO			CCCL LLLL	52.87 N	095.42 E	0	0
2123805175	09/17/78	169	20	17256	D	50.39	136.76	20	EEFE	NO			CCCL LLLL	57.02 N	072.04 E	290077	245
2123805181	09/17/78	169	21	17256	D	51.09	134.59	20	EEEE	NO			CCCL LLLL	55.63 N	071.19 E	290077	246
2123805184	09/17/78	169	22	17256	D	51.76	132.40	NA	MMMM	NO			CCCL LLLL	54.25 N	070.39 E	0	0
2123805190	09/17/78	169	23	17256	D	52.39	130.20	NA	MMMM	NO			CCCL LLLL	52.86 N	069.63 E	0	0
2123902041	09/17/78	134	37	17268	D	56.31	097.29	NA	MMMM	NO			CCCL LLLL	33.05 N	112.13 E	0	0
2124316132	09/02/78	31	37	17332	D	56.23	096.91	10	EEEE	NO			CCCL LLLL	33.04 N	100.07 W	290077	121
2124316135	09/02/78	31	38	17332	D	56.10	094.56	10	EEEE	NO			CCCL LLLL	31.61 N	100.50 W	290077	122
2124316141	09/02/78	31	39	17332	D	55.92	092.26	20	EEEE	NO			CCCL LLLL	30.18 N	100.92 W	290077	123
2124316144	09/02/78	31	40	17332	D	55.68	090.00	30	EEEE	NO			CCCL LLLL	28.75 N	101.32 W	290077	124
2124618072	09/02/78	52	21	17375	D	51.19	133.92	100	M2E2	NO			CCCL LLLL	55.63 N	120.96 W	290077	125
2125415293	09/02/78	24	27	17485	D	54.14	120.30	20	EEEE	NO			CCCL LLLL	47.23 N	085.00 W	290077	417
2125415300	09/02/78	24	28	17485	D	54.54	118.02	10	EEEE	NO			CCCL LLLL	45.82 N	085.58 W	290077	418
2125415302	09/02/78	24	29	17485	D	54.88	115.70	10	EEEE	NO			CCCL LLLL	44.41 N	086.15 W	290077	419
2125415305	09/02/78	24	30	17485	D	55.18	113.37	10	EEEE	NO			CCCL LLLL	43.00 N	086.70 W	290077	420
2125415311	09/02/78	24	31	17485	D	55.43	111.01	10	EEEE	NO			CCCL LLLL	41.58 N	087.22 W	290077	421
2125415314	09/02/78	24	32	17485	D	55.62	108.64	NA	MMMM	NO			CCCL LLLL	40.16 N	087.72 W	0	0
2125415320	09/02/78	24	33	17485	D	55.76	106.27	NA	MMMM	NO			CCCL LLLL	38.74 N	088.21 W	0	0
2125415323	09/02/78	24	34	17485	D	55.85	103.91	0	EEEE	NO			CCCL LLLL	37.32 N	088.69 W	290077	422
2125415325	09/02/78	24	35	17485	D	55.88	101.55	0	EEEE	NO			CCCL LLLL	35.89 N	089.14 W	290077	423
2125415332	09/02/78	24	36	17485	D	55.86	099.20	10	EEEE	NO			CCCL LLLL	34.47 N	089.59 W	290077	424
2125415334	09/02/78	24	37	17485	D	55.78	096.86	50	EEEE	NO			CCCL LLLL	33.04 N	090.03 W	290077	425
2125415341	09/02/78	24	38	17485	D	55.65	094.55	80	EEEE	NO			CCCL LLLL	31.61 N	090.46 W	290077	426
2125415343	09/02/78	24	39	17485	D	55.47	092.27	70	EEEE	NO			CCCL LLLL	30.18 N	090.87 W	290077	427
2125415350	09/02/78	24	40	17485	D	55.23	090.05	40	EEEE	NO			CCCL LLLL	28.75 N	091.28 W	290077	428
2126009102	09/02/78	209	25	17565	D	52.77	125.00	90	EEEE	NO			CCCL LLLL	50.04 N	010.90 E	290077	126
2127315373	09/02/78	25	30	17750	D	53.33	115.55	90	EEEE	NO			CCCL LLLL	43.00 N	088.12 W	290077	96
2127315380	09/02/78	25	31	17750	D	53.64	113.35	90	EEEE	NO			CCCL LLLL	41.58 N	088.65 W	290077	97
2127315382	09/02/78	25	32	17750	D	53.89	111.11	80	EEEE	NO			CCCL LLLL	40.16 N	089.16 W	290077	98
2127315385	09/02/78	25	33	17750	D	54.10	108.89	20	EEEE	NO			CCCL LLLL	38.74 N	089.65 W	290077	99

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2127315391	09/02/78	25	34	17750	D	54.25	106.65	10	EEEE	NO			CCCL LLLL	37.32 N	090.12 W	290077	100
2127315394	09/02/78	25	35	17750	D	54.36	104.41	0	EEEE	NO			CCCL LLLL	35.89 N	090.58 W	290077	101
2127315400	09/02/78	25	36	17750	D	54.41	102.18	10	EEEE	NO			CCCL LLLL	34.47 N	091.03 W	290077	102
2127315403	09/02/78	25	37	17750	D	54.41	099.96	10	EEEE	NO			CCCL LLLL	33.04 N	091.47 W	290077	103
2127315405	09/02/78	25	38	17750	D	54.36	097.77	10	EEEE	NO			CCCL LLLL	31.61 N	091.89 W	290077	104
2127315412	09/02/78	25	39	17750	D	54.26	095.58	20	EEEE	NO			CCCL LLLL	30.18 N	092.30 W	290077	105
2127519113	09/02/78	63	20	17780	D	47.64	136.78	NA	MMMM	NO			CCCL LLLL	57.01 N	135.89 W	0	0
2127914274	09/02/78	13	27	17833	D	51.24	123.19	10	EEEE	NO			CCCL LLLL	47.24 N	069.22 W	290077	153
2127914281	09/02/78	13	28	17833	D	51.70	121.12	10	EEEE	NO			CCCL LLLL	45.82 N	069.80 W	290077	154
2127914283	09/02/78	13	29	17833	D	52.13	119.02	20	EEEE	NO			CCCL LLLL	44.41 N	070.37 W	290077	155
2127914290	09/02/78	13	30	17833	D	52.51	116.89	30	EEEE	NO			CCCL LLLL	43.00 N	070.91 W	290077	156
2127914292	09/02/78	13	31	17833	D	52.85	114.76	40	EEEE	NO			CCCL LLLL	41.58 N	071.43 W	290077	157
2127914295	09/02/78	13	32	17833	D	53.14	112.61	40	EEEE	NO			CCCL LLLL	40.16 N	071.94 W	290077	158
2127914301	09/02/78	13	33	17833	D	53.38	110.45	20	EEEE	NO			CCCL LLLL	38.74 N	072.43 W	290077	159
2127916104	09/02/78	31	26	17834	D	50.71	125.28	40	EEEE	NO			CCCL LLLL	48.65 N	094.43 W	290077	429
2127916110	09/02/78	31	27	17834	D	51.23	123.21	10	EEEE	NO			CCCL LLLL	47.24 N	095.05 W	290077	430
2127916113	09/02/78	31	28	17834	D	51.69	121.13	10	EEEE	NO			CCCL LLLL	45.83 N	095.63 W	290077	431
2127916115	09/02/78	31	29	17834	D	52.12	119.04	10	EEEE	NO			CCCL LLLL	44.41 N	096.19 W	290077	432
2127916121	09/02/78	31	30	17834	D	52.50	116.93	0	EEEE	NO			CCCL LLLL	43.00 N	096.75 W	290077	433
2127916124	09/02/78	31	31	17834	D	52.84	114.79	10	EEEE	NO			CCCL LLLL	41.58 N	097.26 W	290077	434
2127916130	09/02/78	31	32	17834	D	53.13	112.63	10	EEEE	NO			CCCL LLLL	40.17 N	097.78 W	290077	435
2127916133	09/02/78	31	33	17834	D	53.38	110.46	10	EEEE	NO			CCCL LLLL	38.75 N	098.27 W	290077	436
2127916140	09/02/78	31	34	17834	D	53.57	108.28	10	EEEE	NO			CCCL LLLL	37.32 N	098.75 W	290077	437
2127916142	09/02/78	31	35	17834	D	53.72	106.10	10	EEEE	NO			CCCL LLLL	35.90 N	099.20 W	290077	438
2127916144	09/02/78	31	36	17834	D	53.81	103.93	20	PPFF	NO			CCCL LLLL	34.47 N	099.64 W	290077	160
2127916151	09/02/78	31	37	17834	D	53.86	101.77	40	EEEE	NO			CCCL LLLL	33.04 N	100.08 W	290077	161
2127917535	09/02/78	49	26	17835	D	50.70	125.30	NA	E666	NO			CCCL LLLL	48.65 N	120.25 W	290077	106
2127917542	09/02/78	49	27	17835	D	51.21	123.25	10	EEEE	NO			CCCL LLLL	47.24 N	120.87 W	290077	107
2127917544	09/02/78	49	28	17835	D	51.68	121.17	10	EEEE	NO			CCCL LLLL	45.83 N	121.45 W	290077	108
2127917551	09/02/78	49	29	17835	D	52.10	119.07	NA	MMMM	NO			CCCL LLLL	44.42 N	122.02 W	0	0
2127917553	09/02/78	49	30	17835	D	52.49	116.96	10	EEEE	NO			CCCL LLLL	43.00 N	122.56 W	290077	109
2127917560	09/02/78	49	31	17835	D	52.83	114.82	10	EEEE	NO			CCCL LLLL	41.59 N	123.09 W	290077	110
2128016162	09/02/78	32	26	17848	D	50.54	125.48	10	EEEE	NO			CCCL LLLL	48.65 N	095.87 W	290077	111
2128016165	09/02/78	32	27	17848	D	51.05	123.45	20	EEEE	NO			CCCL LLLL	47.24 N	096.48 W	290077	112
2128016171	09/02/78	32	28	17848	D	51.53	121.38	30	EEEE	NO			CCCL LLLL	45.83 N	097.07 W	290077	113
2128016174	09/02/78	32	29	17848	D	51.96	119.29	50	EEEE	NO			CCCL LLLL	44.42 N	097.64 W	290077	114
2128016180	09/02/78	32	30	17848	D	52.35	117.18	20	EEEE	NO			CCCL LLLL	43.01 N	098.19 W	290077	115
2128016183	09/02/78	32	31	17848	D	52.69	115.07	10	EEEE	NO			CCCL LLLL	41.59 N	098.71 W	290077	116
2128016185	09/02/78	32	32	17848	D	52.99	112.94	NA	MMMM	NO			CCCL LLLL	40.17 N	099.21 W	0	0
2128016192	09/02/78	32	33	17848	D	53.24	110.77	NA	6666	NO			CCCL LLLL	38.74 N	099.69 W	0	0

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2128016194	09/02/78	32	34	17848	D	53.45	108.59	10	EEEE	NO			CCCL LLLL	37.32 N	100.16 W	290077	117
2128016201	09/02/78	32	35	17848	D	53.60	106.41	10	EEEE	NO			CCCL LLLL	35.89 N	100.62 W	290077	118
2128515034	09/02/78	19	30	17917	D	51.57	118.54	30	EEEE	NO			CCCL LLLL	43.00 N	079.54 W	290077	321
2128515041	09/02/78	19	31	17917	D	51.95	116.48	60	EEEE	NO			CCCL LLLL	41.59 N	080.06 W	290077	322
2128515043	09/02/78	19	32	17917	D	52.29	114.39	90	EEEE	NO			CCCL LLLL	40.17 N	080.57 W	290077	323
2128515050	09/02/78	19	33	17917	D	52.58	112.28	100	EEEE	NO			CCCL LLLL	38.75 N	081.06 W	290077	324
2128515052	09/02/78	19	34	17917	D	52.82	110.17	90	EEEE	NO			CCCL LLLL	37.32 N	081.53 W	290077	325
2128515055	09/02/78	19	35	17917	D	53.01	108.05	50	EEEE	NO			CCCL LLLL	35.90 N	082.00 W	290077	326
2128515061	09/02/78	19	36	17917	D	53.16	105.92	10	EEEE	NO			CCCL LLLL	34.47 N	082.44 W	290077	327
2128803143	09/02/78	147	21	17952	D	45.88	136.73	NA	MMMM	NO			CCCL LLLL	55.65 N	102.71 E	0	0
2128803145	09/02/78	147	22	17952	D	46.60	134.85	50	EEEE	NO			CCCL LLLL	54.26 N	101.92 E	290077	162
2128803151	09/02/78	147	23	17952	D	47.29	132.95	NA	MMMM	NO			CCCL LLLL	52.86 N	101.17 E	0	0
2128808253	09/02/78	201	24	17955	D	47.91	131.08	10	EFEE	NO			CCCL LLLL	51.45 N	023.04 E	290077	163
2128810123	09/02/78	219	33	17956	D	52.17	113.25	0	1EEE	NO			CCCL LLLL	38.74 N	007.90 W	290077	164
2128810125	09/02/78	219	34	17956	D	52.44	111.14	10	EEFF	NO			CCCL LLLL	37.32 N	008.39 W	290077	165
2128815272	09/02/78	22	45	17959	D	52.18	088.56	10	EEFE	NO			CCCL LLLL	21.58 N	090.35 W	290077	166
2128815274	09/02/78	22	46	17959	D	51.87	086.64	20	EEEE	NO			CCCL LLLL	20.15 N	090.72 W	290077	167
2128815281	09/02/78	22	47	17959	D	51.52	084.76	20	EEFF	NO			CCCL LLLL	18.71 N	091.09 W	290077	168
2128815283	09/02/78	22	48	17959	D	51.12	082.92	20	EEEE	NO			CCCL LLLL	17.27 N	091.45 W	290077	169
2128815290	09/02/78	22	49	17959	D	50.68	081.14	10	EEEE	NO			CCCL LLLL	15.84 N	091.81 W	290077	170
2128815292	09/02/78	22	50	17959	D	50.20	079.41	10	EEFE	NO			CCCL LLLL	14.40 N	092.16 W	290077	171
2128901463	09/02/78	130	44	17965	D	52.43	090.70	80	EFEE	NO			CCCL LLLL	23.02 N	115.09 E	290077	172
2128901545	09/02/78	130	64	17965	D	40.12	061.10	80	EEEE	NO			CCCL LLLL	05.76 S	108.14 E	290077	173
2128901552	09/02/78	130	65	17965	D	39.22	060.19	70	EEFF	NO			CCCL LLLL	07.20 S	107.80 E	290077	174
2128903204	09/02/78	148	22	17966	D	46.38	135.04	100	EEFE	NO			CCCL LLLL	54.26 N	100.50 E	290077	175
2128905033	09/02/78	166	21	17967	D	45.65	136.91	NA	MMMM	NO			CCCL LLLL	55.64 N	075.50 E	0	0
2128905035	09/02/78	166	22	17967	D	46.38	135.03	90	2E22	NO			CCCL LLLL	54.25 N	074.69 E	290077	176
2128905042	09/02/78	166	23	17967	D	47.07	133.16	NA	FMMM	NO			CCCL LLLL	52.86 N	073.93 E	290077	177
2128908291	09/02/78	202	19	17969	D	44.10	140.68	NA	MMMM	NO			CCCL LLLL	58.39 N	025.63 E	0	0
2128908294	09/02/78	202	20	17969	D	44.88	138.79	NA	M2EM	NO			CCCL LLLL	57.01 N	024.73 E	290077	178
2128908300	09/02/78	202	21	17969	D	45.63	136.91	NA	MMEH	NO			CCCL LLLL	55.62 N	023.89 E	290077	179
2128908303	09/02/78	202	22	17969	D	46.36	135.03	30	MEME	NO			CCCL LLLL	54.23 N	023.09 E	290077	180
2128910182	09/02/78	220	33	17970	D	52.02	113.59	10	PE2F	NO			CCCL LLLL	38.75 N	009.35 W	290077	181
2128918494	09/02/78	59	21	17975	D	45.52	137.03	50	EEEE	NO			CCCL LLLL	55.65 N	131.03 W	290077	328
2128918500	09/02/78	59	22	17975	D	46.24	135.17	70	EEEE	NO			CCCL LLLL	54.26 N	131.82 W	290077	329
2128918503	09/02/78	59	23	17975	D	46.94	133.29	30	EEEE	NO			CCCL LLLL	52.86 N	132.56 W	290077	330
2129001522	09/02/78	131	44	17979	D	52.38	091.12	10	MMMM	NO			CCCL LLLL	23.02 N	113.66 E	0	0
2129001524	09/02/78	131	45	17979	D	52.14	089.15	NA	MMMM	NO			CCCL LLLL	21.58 N	113.28 E	0	0
2129002004	09/02/78	131	64	17979	D	40.26	061.40	NA	MMMM	NO			CCCL LLLL	05.76 S	106.70 E	0	0
2129002010	09/02/78	131	65	17979	D	39.35	060.47	NA	MMMM	NO			CCCL LLLL	07.20 S	106.36 E	0	0

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2129003260	09/02/78	149	21	17980	D	45.43	137.11	NA	666M	NO			CCCL LLLL	55.65 N	099.85 E	0	0
2129015312	09/02/78	24	27	17987	D	49.23	125.91	70	EEEE	NO			CCCL LLLL	47.24 N	085.01 W	290077	331
2129015315	09/02/78	24	28	17987	D	49.77	123.98	10	EEEE	NO			CCCL LLLL	45.83 N	085.59 W	290077	332
2129015321	09/02/78	24	29	17987	D	50.26	122.02	10	EEEE	NO			CCCL LLLL	44.42 N	086.16 W	290077	333
2129015324	09/02/78	24	30	17987	D	50.72	120.03	10	EEEE	NO			CCCL LLLL	43.00 N	086.70 W	290077	334
2129015330	09/02/78	24	31	17987	D	51.14	118.04	20	EEEE	NO			CCCL LLLL	41.58 N	087.23 W	290077	335
2129015333	09/02/78	24	32	17987	D	51.51	116.03	20	EEEE	NO			CCCL LLLL	40.16 N	087.73 W	290077	336
2129015335	09/02/78	24	33	17987	D	51.84	114.00	50	EEEE	NO			CCCL LLLL	38.74 N	088.22 W	290077	337
2129015342	09/02/78	24	34	17987	D	52.12	111.94	80	EEEE	NO			CCCL LLLL	37.32 N	088.69 W	290077	338
2129015344	09/02/78	24	35	17987	D	52.36	109.87	90	EEEE	NO			CCCL LLLL	35.90 N	089.15 W	290077	339
2129015351	09/02/78	24	36	17987	D	52.56	107.80	90	EEEE	NO			CCCL LLLL	34.47 N	089.60 W	290077	340
2129015353	09/02/78	24	37	17987	D	52.70	105.71	10	EEEE	NO			CCCL LLLL	33.04 N	090.04 W	290077	341
2129015360	09/02/78	24	38	17987	D	52.80	103.63	0	EEEE	NO			CCCL LLLL	31.62 N	090.47 W	290077	342
2129015362	09/02/78	24	39	17987	D	52.85	101.54	0	EEEE	NO			CCCL LLLL	30.19 N	090.89 W	290077	343
2129015365	09/02/78	24	40	17987	D	52.85	099.47	10	EEEE	NO			CCCL LLLL	28.75 N	091.30 W	290077	344
2129714284	09/17/78	13	27	18084	D	47.77	127.97	10	EEEE	NO			CCCL LLLL	47.25 N	069.25 W	290077	247
2129714290	09/17/78	13	28	18084	D	48.36	126.13	10	EEEE	NO			CCCL LLLL	45.84 N	069.83 W	290077	248
2129714293	09/17/78	13	29	18084	D	48.91	124.26	10	EEEE	NO			CCCL LLLL	44.42 N	070.40 W	290077	249
2129714295	09/17/78	13	30	18084	D	49.42	122.39	40	EEEE	NO			CCCL LLLL	43.01 N	070.94 W	290077	250
2129714302	09/17/78	13	31	18084	D	49.89	120.50	50	EEEE	NO			CCCL LLLL	41.59 N	071.47 W	290077	251
2129714304	09/17/78	13	32	18084	D	50.32	118.57	40	EEEE	NO			CCCL LLLL	40.17 N	071.97 W	290077	252
2129714311	09/17/78	13	33	18084	D	50.72	116.62	20	EEEE	NO			CCCL LLLL	38.75 N	072.45 W	290077	253
2129916224	09/08/78	33	25	18113	D	46.01	132.17	70	EEEE	NO			CCCL LLLL	50.06 N	096.68 W	290077	182
2129916230	09/08/78	33	26	18113	D	46.68	130.40	70	EEEE	NO			CCCL LLLL	48.66 N	097.32 W	290077	183
2129916233	09/08/78	33	27	18113	D	47.31	128.61	70	EEEE	NO			CCCL LLLL	47.25 N	097.94 W	290077	184
2129916235	09/08/78	33	28	18113	D	47.91	126.81	60	EEEE	NO			CCCL LLLL	45.84 N	098.52 W	290077	185
2129916242	09/08/78	33	29	18113	D	48.47	125.00	40	EEEE	NO			CCCL LLLL	44.42 N	099.08 W	290077	186
2129916244	09/08/78	33	30	18113	D	49.00	123.14	40	EEEE	NO			CCCL LLLL	43.01 N	099.63 W	290077	187
2129916251	09/08/78	33	31	18113	D	49.49	121.26	50	EEEE	NO			CCCL LLLL	41.59 N	100.15 W	290077	188
2129916253	09/08/78	33	32	18113	D	49.95	119.36	10	EEEE	NO			CCCL LLLL	40.17 N	100.66 W	290077	189
2129916260	09/08/78	33	33	18113	D	50.36	117.44	0	EEEE	NO			CCCL LLLL	38.75 N	101.14 W	290077	190
2129916262	09/08/78	33	34	18113	D	50.73	115.51	0	EEEE	NO			CCCL LLLL	37.32 N	101.61 W	290077	191
2129916265	09/08/78	33	35	18113	D	51.06	113.56	10	EEEE	NO			CCCL LLLL	35.90 N	102.07 W	290077	192
2129916271	09/08/78	33	36	18113	D	51.35	111.58	10	EEEE	NO			CCCL LLLL	34.47 N	102.52 W	290077	193
2129916274	09/08/78	33	37	18113	D	51.59	109.59	0	EEEE	NO			CCCL LLLL	33.04 N	102.95 W	290077	194
2129916280	09/08/78	33	38	18113	D	51.79	107.59	10	EEEE	NO			CCCL LLLL	31.62 N	103.38 W	290077	195
2129916283	09/08/78	33	39	18113	D	51.94	105.58	20	EEEE	NO			CCCL LLLL	30.19 N	103.80 W	290077	196
2129916285	09/08/78	33	40	18113	D	52.04	103.57	20	EEEE	NO			CCCL LLLL	28.76 N	104.21 W	290077	197
2129921261	09/08/78	87	10	18116	D	33.26	161.04	60	EEEE	NO			CCCL LLLL	70.43 N	156.80 W	290077	198
2129921264	09/08/78	87	11	18116	D	34.23	158.53	40	EEEE	NO			CCCL LLLL	69.14 N	158.82 W	290077	199

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2129921270	09/08/78	87	12	18116	D	35.18	156.22	10	EEEE	NO		CCCL	LLLL	67.85 N	160.62 W	290077	200
2129921273	09/08/78	87	13	18116	D	36.12	154.03	50	EEEE	NO		CCCL	LLLL	66.53 N	162.25 W	290077	201
2129921275	09/08/78	87	14	18116	D	37.05	151.96	80	EEEE	NO		CCCL	LLLL	65.20 N	163.72 W	290077	202
2129921282	09/08/78	87	15	18116	D	37.96	149.98	30	EEEE	NO		CCCL	LLLL	63.86 N	165.05 W	290077	203
2130002415	09/08/78	141	24	18119	D	45.23	134.01	10	EEEE	NO		CCCL	LLLL	51.46 N	109.08 E	290077	204
2130004233	09/08/78	159	20	18120	D	42.16	140.97	10	EEEE	NO		CCCL	LLLL	57.05 N	086.34 E	290077	205
2130004235	09/08/78	159	21	18120	D	42.96	139.25	10	EEEE	NO		CCCL	LLLL	55.66 N	085.50 E	290077	206
2130004242	09/08/78	159	22	18120	D	43.73	137.51	10	EEEE	NO		CCCL	LLLL	54.27 N	084.70 E	290077	207
2130004244	09/08/78	159	23	18120	D	44.48	135.79	0	EEEE	NO		CCCL	LLLL	52.87 N	083.95 E	290077	208
2130004251	09/08/78	159	24	18120	D	45.20	134.05	10	EEEE	NO		CCCL	LLLL	51.47 N	083.25 E	290077	209
2130004253	09/08/78	159	25	18120	D	45.89	132.32	0	EEEE	NO		CCCL	LLLL	50.07 N	082.57 E	290077	210
2130004260	09/08/78	159	26	18120	D	46.56	130.56	0	EEEE	NO		CCCL	LLLL	48.66 N	081.92 E	290077	211
2130007494	09/08/78	195	19	18122	D	41.31	142.75	80	EEEE	NO		CCCL	LLLL	58.41 N	035.64 E	290077	212
2130007500	09/08/78	195	20	18122	D	42.13	141.00	60	EEEE	NO		CCCL	LLLL	57.03 N	034.73 E	290077	213
2130014465	09/08/78	16	29	18126	D	48.28	125.29	30	EEEE	NO		CCCL	LLLL	44.42 N	074.70 W	290077	214
2130014471	09/08/78	16	30	18126	D	48.81	123.46	10	EEEE	NO		CCCL	LLLL	43.01 N	075.25 W	290077	215
2130014474	09/08/78	16	31	18126	D	49.31	121.61	10	EEEE	NO		CCCL	LLLL	41.59 N	075.78 W	290077	216
2130014480	09/08/78	16	32	18126	D	49.77	119.75	40	EEEE	NO		CCCL	LLLL	40.17 N	076.28 W	290077	217
2130014483	09/08/78	16	33	18126	D	50.20	117.83	70	EEEE	NO		CCCL	LLLL	38.75 N	076.76 W	290077	218
2130014485	09/08/78	16	34	18126	D	50.58	115.90	70	EEEE	NO		CCCL	LLLL	37.32 N	077.23 W	290077	219
2130014492	09/08/78	16	35	18126	D	50.92	113.95	NA	MMMM	NO		CCCL	LLLL	35.90 N	077.68 W	0	0
2130014494	09/08/78	16	36	18126	D	51.22	112.00	30	EEEE	NO		CCCL	LLLL	34.47 N	078.14 W	290077	220
2130014501	09/08/78	16	37	18126	D	51.47	110.01	30	EEEE	NO		CCCL	LLLL	33.05 N	078.58 W	290077	221
2130014503	09/08/78	16	38	18126	D	51.67	108.02	20	EEEE	NO		CCCL	LLLL	31.62 N	079.01 W	290077	222
2130014510	09/08/78	16	39	18126	D	51.84	106.02	20	EEEE	NO		CCCL	LLLL	30.19 N	079.42 W	290077	223
2130014512	09/08/78	16	40	18126	D	51.95	104.02	20	EEEE	NO		CCCL	LLLL	28.76 N	079.83 W	290077	224
2130014515	09/08/78	16	41	18126	D	52.02	102.03	20	EEEE	NO		CCCL	LLLL	27.32 N	080.23 W	290077	225
2130014521	09/08/78	16	42	18126	D	52.04	100.04	30	EEEE	NO		CCCL	LLLL	25.89 N	080.63 W	290077	226
2130014524	09/08/78	16	43	18126	D	52.01	098.05	20	EEEE	NO		CCCL	LLLL	24.46 N	081.02 W	290077	227
2130021320	09/17/78	88	10	18130	D	32.93	161.22	30	EEEE	NO		CCCL	LLLL	70.46 N	158.25 W	290077	254
2130021323	09/17/78	88	11	18130	D	33.91	158.69	10	EEEE	NO		CCCL	LLLL	69.17 N	160.26 W	290077	255
2130021325	09/17/78	88	12	18130	D	34.88	156.35	10	EEEE	NO		CCCL	LLLL	67.85 N	162.06 W	290077	256
2130021332	09/17/78	88	13	18130	D	35.83	154.15	30	EEEE	NO		CCCL	LLLL	66.52 N	163.68 W	290077	257
2130021334	09/17/78	88	14	18130	D	36.77	152.08	40	EEEE	NO		CCCL	LLLL	65.19 N	165.14 W	290077	258
2130021341	09/17/78	88	15	18130	D	37.69	150.10	70	EEEE	NO		CCCL	LLLL	63.85 N	166.47 W	290077	259
2130102474	09/08/78	142	24	18133	D	44.98	134.29	10	EEEE	NO		CCCL	LLLL	51.46 N	107.64 E	290077	228
2130114524	09/08/78	17	29	18140	D	48.07	125.64	10	EEEE	NO		CCCL	LLLL	44.43 N	076.15 W	290077	229
2130114530	09/08/78	17	30	18140	D	48.61	123.82	30	EEEE	NO		CCCL	LLLL	43.02 N	076.70 W	290077	230
2130114533	09/08/78	17	31	18140	D	49.12	122.00	40	EEEE	NO		CCCL	LLLL	41.60 N	077.22 W	290077	231
2130114535	09/08/78	17	32	18140	D	49.59	120.13	50	EEEE	NO		CCCL	LLLL	40.17 N	077.72 W	290077	232

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2130114542	09/08/78	17	33	18140	D	50.02	118.25	50	EEEE	NO		CCCL	LLLL	38.75 N	078.20 W	290077	233
2130114544	09/08/78	17	34	18140	D	50.41	116.32	40	EEEE	NO		CCCL	LLLL	37.33 N	078.67 W	290077	234
2130114551	09/08/78	17	35	18140	D	50.76	114.39	40	EEEE	NO		CCCL	LLLL	35.90 N	079.13 W	290077	235
2130114553	09/08/78	17	36	18140	D	51.07	112.44	50	EEEE	NO		CCCL	LLLL	34.47 N	079.57 W	290077	236
2130114560	09/08/78	17	37	18140	D	51.33	110.47	40	EEEE	NO		CCCL	LLLL	33.05 N	080.01 W	290077	237
2130114562	09/08/78	17	38	18140	D	51.55	108.50	30	EEEE	NO		CCCL	LLLL	31.62 N	080.43 W	290077	238
2130114565	09/08/78	17	39	18140	D	51.72	106.50	20	EEEE	NO		CCCL	LLLL	30.18 N	080.84 W	290077	239
2130114571	09/08/78	17	40	18140	D	51.85	104.50	20	EEEE	NO		CCCL	LLLL	28.75 N	081.25 W	290077	240
2130114574	09/08/78	17	41	18140	D	51.93	102.51	30	EEEE	NO		CCCL	LLLL	27.32 N	081.64 W	290077	241
2130114580	09/08/78	17	42	18140	D	51.96	100.51	30	EEEE	NO		CCCL	LLLL	25.89 N	082.04 W	290077	242
2130208025	09/02/78	197	23	18150	D	43.94	136.33	20	EEEE	NO		CCCL	LLLL	52.85 N	029.48 E	290077	286
2130208031	09/02/78	197	24	18150	D	44.67	134.63	20	EEEE	NO		CCCL	LLLL	51.46 N	028.77 E	290077	287
2130209420	09/02/78	215	13	18151	D	35.38	154.37	90	EEEE	NO		CCCL	LLLL	66.53 N	014.13 E	290077	288
2130216400	09/02/78	36	25	18155	D	45.29	133.07	10	EEEE	NO		CCCL	LLLL	50.06 N	100.97 W	290077	289
2130216403	09/02/78	36	26	18155	D	45.97	131.30	10	EEEE	NO		CCCL	LLLL	48.65 N	101.61 W	290077	290
2130216405	09/02/78	36	27	18155	D	46.62	129.56	10	EEEE	NO		CCCL	LLLL	47.24 N	102.23 W	290077	291
2130216412	09/02/78	36	28	18155	D	47.24	127.81	10	EEEE	NO		CCCL	LLLL	45.83 N	102.81 W	290077	292
2130216414	09/02/78	36	29	18155	D	47.83	126.03	10	EEEE	NO		CCCL	LLLL	44.42 N	103.38 W	290077	293
2130216421	09/02/78	36	30	18155	D	48.38	124.22	10	EEEE	NO		CCCL	LLLL	43.01 N	103.93 W	290077	294
2130216423	09/02/78	36	31	18155	D	48.90	122.39	10	EEEE	NO		CCCL	LLLL	41.59 N	104.46 W	290077	295
2130216430	09/02/78	36	32	18155	D	49.39	120.54	10	EEEE	NO		CCCL	LLLL	40.17 N	104.97 W	290077	296
2130216432	09/02/78	36	33	18155	D	49.83	118.66	10	EEEE	NO		CCCL	LLLL	38.75 N	105.46 W	290077	297
2130216435	09/02/78	36	34	18155	D	50.23	116.76	0	EEEE	NO		CCCL	LLLL	37.33 N	105.93 W	290077	298
2130216441	09/02/78	36	35	18155	D	50.59	114.84	0	EEEE	NO		CCCL	LLLL	35.90 N	106.39 W	290077	299
2130216444	09/02/78	36	36	18155	D	50.91	112.90	10	EEEE	NO		CCCL	LLLL	34.48 N	106.84 W	290077	300
2130216450	09/02/78	36	37	18155	D	51.19	110.94	30	EEEE	NO		CCCL	LLLL	33.05 N	107.27 W	290077	301
2130216453	09/02/78	36	38	18155	D	51.42	108.98	10	EEEE	NO		CCCL	LLLL	31.62 N	107.69 W	290077	302
2130220013	09/17/78	72	13	18157	D	35.28	154.38	10	EEEE	NO		CCCL	LLLL	66.50 N	140.71 W	290077	260
2130220020	09/17/78	72	14	18157	D	36.22	152.33	40	EEEE	NO		CCCL	LLLL	65.17 N	142.18 W	290077	261
2130220022	09/17/78	72	15	18157	D	37.14	150.39	50	EEEE	NO		CCCL	LLLL	63.83 N	143.52 W	290077	262
2130220025	09/17/78	72	16	18157	D	38.03	148.54	70	EEEE	NO		CCCL	LLLL	62.49 N	144.75 W	290077	263
2130220031	09/17/78	72	17	18157	D	38.92	146.72	90	EEEE	NO		CCCL	LLLL	61.13 N	145.88 W	290077	264
2130301162	09/02/78	126	25	18160	D	45.20	133.14	10	EEEE	NO		CCCL	LLLL	50.06 N	129.91 E	290077	303
2130301330	09/02/78	126	65	18160	D	41.45	064.69	30	EEEE	NO		CCCL	LLLL	07.20 S	113.53 E	290077	304
2130301333	09/02/78	126	66	18160	D	40.61	063.68	80	EEEE	NO		CCCL	LLLL	08.64 S	113.19 E	290077	305
2130302585	09/17/78	144	23	18161	D	43.74	136.54	20	EEEE	NO		CCCL	LLLL	52.86 N	105.50 E	290077	265
2130304414	09/17/78	162	22	18162	D	42.94	138.26	10	EEEE	NO		CCCL	LLLL	54.26 N	080.41 E	290077	266
2130304420	09/17/78	162	23	18162	D	43.71	136.57	0	EEEE	NO		CCCL	LLLL	52.87 N	079.65 E	290077	267
2130304423	09/17/78	162	24	18162	D	44.45	134.88	0	EEEE	NO		CCCL	LLLL	51.47 N	078.94 E	290077	268
2130315050	09/02/78	19	31	18168	D	48.72	122.75	40	EEEE	NO		CCCL	LLLL	41.59 N	080.07 W	290077	345

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	CCM QLTY	MODE	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2130315053	09/02/78	19	32	18168	D	49.21	120.92	20	EEEE	NO		CCCL	LLLL	40.17 N	080.57 W	290077	346
2130315055	09/02/78	19	33	18168	D	49.66	119.07	40	EEEE	NO		CCCL	LLLL	38.74 N	081.05 W	290077	347
2130315062	09/02/78	19	34	18168	D	50.07	117.19	70	EEEE	NO		CCCL	LLLL	37.32 N	081.52 W	290077	348
2130315064	09/02/78	19	35	18168	D	50.44	115.28	40	EEEE	NO		CCCL	LLLL	35.89 N	081.97 W	290077	349
2130315071	09/02/78	19	36	18168	D	50.77	113.35	10	EEEE	NO		CCCL	LLLL	34.47 N	082.42 W	290077	350
2130315073	09/02/78	19	37	18168	D	51.06	111.40	10	EEEE	NO		CCCL	LLLL	33.04 N	082.86 W	290077	351
2130315080	09/02/78	19	38	18168	D	51.30	109.44	20	EEEE	NO		CCCL	LLLL	31.61 N	083.29 W	290077	352
2130315082	09/02/78	19	39	18168	D	51.50	107.47	20	EEEE	NO		CCCL	LLLL	30.18 N	083.70 W	290077	353
2130400001	09/17/78	109	76	18173	D	31.47	056.41	10	EEEE	NO		CCCL	LLLL	23.02 S	134.02 E	290077	269
2130401214	09/17/78	127	24	18174	D	44.23	135.13	NA	MMMM	NO		CCCL	LLLL	51.47 N	129.14 E	0	0
2130401221	09/17/78	127	25	18174	D	44.95	133.44	10	FFFF	NO		CCCL	LLLL	50.07 N	128.47 E	290077	270
2130401223	09/17/78	127	26	18174	D	45.63	131.75	40	EEEE	NO		CCCL	LLLL	48.66 N	127.83 E	290077	271
2130401230	09/17/78	127	27	18174	D	46.29	130.03	20	EEEE	NO		CCCL	LLLL	47.25 N	127.21 E	290077	272
2130401232	09/17/78	127	28	18174	D	46.93	128.29	40	EEEE	NO		CCCL	LLLL	45.84 N	126.63 E	290077	273
2130401235	09/17/78	127	29	18174	D	47.53	126.52	60	EEEE	NO		CCCL	LLLL	44.42 N	126.07 E	290077	274
2130401241	09/17/78	127	30	18174	D	48.10	124.75	70	EEEE	NO		CCCL	LLLL	43.01 N	125.52 E	290077	275
2130401244	09/17/78	127	31	18174	D	48.63	122.93	80	EEEE	NO		CCCL	LLLL	41.59 N	125.00 E	290077	276
2130401250	09/17/78	127	32	18174	D	49.12	121.09	90	EEEE	NO		CCCL	LLLL	40.17 N	124.50 E	290077	277
2130401273	09/17/78	127	38	18174	D	51.25	109.63	30	EEEE	NO		CCCL	LLLL	31.62 N	121.76 E	290077	278
2130401280	09/17/78	127	39	18174	D	51.45	107.66	60	EEEE	NO		CCCL	LLLL	30.19 N	121.34 E	290077	279
2130403044	09/17/78	145	23	18175	D	43.47	136.81	10	EEEE	NO		CCCL	LLLL	52.86 N	104.06 E	290077	280
2130404464	09/08/78	163	20	18176	D	41.07	141.86	80	EEEE	NO		CCCL	LLLL	57.04 N	080.62 E	290077	613
2130404470	09/08/78	163	21	18176	D	41.88	140.18	30	EEEE	NO		CCCL	LLLL	55.65 N	079.77 E	290077	614
2130404473	09/08/78	163	22	18176	D	42.68	138.51	20	EEEE	NO		CCCL	LLLL	54.26 N	078.97 E	290077	615
2130404475	09/08/78	163	23	18176	D	43.45	136.84	60	EEEE	NO		CCCL	LLLL	52.87 N	078.21 E	290077	616
2130404482	09/08/78	163	24	18176	D	44.19	135.17	80	EEEE	NO		CCCL	LLLL	51.47 N	077.50 E	290077	617
2130404484	09/08/78	163	25	18176	D	44.91	133.50	30	EEEE	NO		CCCL	LLLL	50.07 N	076.82 E	290077	618
2130404491	09/08/78	163	26	18176	D	45.60	131.79	10	EEEE	NO		CCCL	LLLL	48.67 N	076.17 E	290077	619
2130404493	09/08/78	163	27	18176	D	46.26	130.07	0	EEEE	NO		CCCL	LLLL	47.26 N	075.55 E	290077	620
2130404500	09/08/78	163	28	18176	D	46.90	128.33	0	EEEE	NO		CCCL	LLLL	45.85 N	074.96 E	290077	621
2130404502	09/08/78	163	29	18176	D	47.50	126.58	10	EEEE	NO		CCCL	LLLL	44.43 N	074.40 E	290077	622
2130404505	09/08/78	163	30	18176	D	48.06	124.80	10	EEEE	NO		CCCL	LLLL	43.01 N	073.87 E	290077	623
2130404550	09/08/78	163	40	18176	D	51.59	105.79	70	EEEE	NO		CCCL	LLLL	28.76 N	069.30 E	290077	624
2130404552	09/08/78	163	41	18176	D	51.70	103.82	80	EEEE	NO		CCCL	LLLL	27.33 N	068.90 E	290077	625
2130404555	09/08/78	163	42	18176	D	51.77	101.85	90	EEEE	NO		CCCL	LLLL	25.89 N	068.51 E	290077	626
2130416505	09/02/78	38	23	18183	D	43.32	136.95	90	EEEE	NO		CCCL	LLLL	52.85 N	102.44 W	290077	306
2130416511	09/02/78	38	24	18183	D	44.07	135.28	60	EEEE	NO		CCCL	LLLL	51.45 N	103.15 W	290077	307
2130416514	09/02/78	38	25	18183	D	44.79	133.61	20	EEEE	NO		CCCL	LLLL	50.05 N	103.82 W	290077	308
2130416520	09/02/78	38	26	18183	D	45.48	131.92	0	EEEE	NO		CCCL	LLLL	48.65 N	104.47 W	290077	309
2130416522	09/02/78	38	27	18183	D	46.15	130.22	50	EEEE	NO		CCCL	LLLL	47.24 N	105.09 W	290077	310

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLN FRAME
2130416525	09/02/78	38	28	18183	D	46.79	128.50	70	FEFE	NO			CCCL LLLL	45.83 N 105.68 W	290077	311
2130416531	09/02/78	38	29	18183	D	47.39	126.75	80	EEEE	NO			CCCL LLLL	44.42 N 106.25 W	290077	312
2130416534	09/02/78	38	30	18183	D	47.96	124.96	60	EEEE	NO			CCCL LLLL	43.00 N 106.78 W	290077	313
2130416540	09/02/78	38	31	18183	D	48.50	123.17	60	EEEE	NO			CCCL LLLL	41.58 N 107.31 W	290077	314
2130416543	09/02/78	38	32	18183	D	49.00	121.35	NA	MMMM	NO			CCCL LLLL	40.17 N 107.81 W	0	0
2130416545	09/02/78	38	33	18183	D	49.46	119.50	20	EEEE	NO			CCCL LLLL	38.74 N 108.30 W	290077	315
2130416552	09/02/78	38	34	18183	D	49.88	117.64	10	EEEE	NO			CCCL LLLL	37.32 N 108.77 W	290077	316
2130416554	09/02/78	38	35	18183	D	50.26	115.76	30	EEEE	NO			CCCL LLLL	35.90 N 109.25 W	290077	317
2130416561	09/02/78	38	36	18183	D	50.61	113.85	50	EEEE	NO			CCCL LLLL	34.47 N 109.69 W	290077	318
2130416563	09/02/78	38	37	18183	D	50.91	111.91	10	EEEE	NO			CCCL LLLL	33.04 N 110.12 W	290077	319
2130416570	09/02/78	38	38	18183	D	51.16	109.96	10	EEEE	NO			CCCL LLLL	31.62 N 110.56 W	290077	320
2130420122	09/17/78	74	11	18185	D	32.72	159.13	20	EEEE	NO			CCCL LLLL	69.15 N 140.18 W	290077	281
2130420124	09/17/78	74	12	18185	D	33.69	156.84	50	EEEE	NO			CCCL LLLL	67.85 N 141.98 W	290077	282
2130420131	09/17/78	74	13	18185	D	34.65	154.71	20	EEEE	NO			CCCL LLLL	66.52 N 143.59 W	290077	283
2130420133	09/17/78	74	14	18185	D	35.59	152.69	10	EEEE	NO			CCCL LLLL	65.19 N 145.06 W	290077	284
2130420140	09/17/78	74	15	18185	D	36.52	150.76	10	EEFE	NO			CCCL LLLL	63.85 N 146.41 W	290077	285
2130503093	09/08/78	146	21	18189	D	41.63	140.40	30	EEEE	NO			CCCL LLLL	55.65 N 104.16 E	290077	627
2130503100	09/08/78	146	22	18189	D	42.42	138.75	30	FEFE	NO			CCCL LLLL	54.26 N 103.36 E	290077	628
2130503102	09/08/78	146	23	18189	D	43.20	137.09	40	FEFE	NO			CCCL LLLL	52.86 N 102.61 F	290077	629
2130515164	09/02/78	21	31	18196	D	48.30	123.54	40	EEEE	NO			CCCL LLLL	41.58 N 082.92 W	290077	354
2130515170	09/02/78	21	32	18196	D	48.81	121.73	30	EEEE	NO			CCCL LLLL	40.16 N 083.43 W	290077	355
2130515173	09/02/78	21	33	18196	D	49.28	119.90	10	EEEE	NO			CCCL LLLL	38.74 N 083.91 W	290077	356
2130515175	09/02/78	21	34	18196	D	49.72	118.04	10	EEEE	NO			CCCL LLLL	37.32 N 084.39 W	290077	357
2130515182	09/02/78	21	35	18196	D	50.11	116.17	10	EEEE	NO			CCCL LLLL	35.89 N 084.84 W	290077	358
2130515184	09/02/78	21	36	18196	D	50.46	114.27	10	EEEE	NO			CCCL LLLL	34.47 N 085.29 W	290077	359
2130515191	09/02/78	21	37	18196	D	50.77	112.35	10	EEEE	NO			CCCL LLLL	33.04 N 085.72 W	290077	360
2130515193	09/02/78	21	38	18196	D	51.04	110.41	10	EEEE	NO			CCCL LLLL	31.61 N 086.15 W	290077	361
2130515200	09/02/78	21	39	18196	D	51.26	108.46	10	EEEE	NO			CCCL LLLL	30.18 N 086.57 W	290077	362
2130516563	09/02/78	39	23	18197	D	43.04	137.25	70	FEFE	NO			CCCL LLLL	52.86 N 103.89 W	290077	363
2130516570	09/02/78	39	24	18197	D	43.80	135.60	40	FEFE	NO			CCCL LLLL	51.46 N 104.60 W	290077	364
2130516572	09/02/78	39	25	18197	D	44.52	133.94	40	EEEE	NO			CCCL LLLL	50.06 N 105.28 W	290077	365
2130516575	09/02/78	39	26	18197	D	45.23	132.26	20	FEFE	NO			CCCL LLLL	48.66 N 105.93 W	290077	366
2130516581	09/02/78	39	27	18197	D	45.90	130.57	10	EEEE	NO			CCCL LLLL	47.25 N 106.55 W	290077	367
2130516584	09/02/78	39	28	18197	D	46.55	128.86	0	FEFE	NO			CCCL LLLL	45.84 N 107.13 W	290077	368
2130516590	09/02/78	39	29	18197	D	47.16	127.12	0	EEEE	NO			CCCL LLLL	44.43 N 107.70 W	290077	369
2130516593	09/02/78	39	30	18197	D	47.74	125.36	0	EEEE	NO			CCCL LLLL	43.01 N 108.25 W	290077	370
2130516595	09/02/78	39	31	18197	D	48.29	123.57	0	EEEE	NO			CCCL LLLL	41.59 N 108.76 W	290077	371
2130517002	09/02/78	39	32	18197	D	48.80	121.76	10	EEEE	NO			CCCL LLLL	40.17 N 109.26 W	290077	372
2130517004	09/02/78	39	33	18197	D	49.27	119.93	10	FEFE	NO			CCCL LLLL	38.75 N 109.75 W	290077	373
2130517011	09/02/78	39	34	18197	D	49.70	118.08	10	EEEE	NO			CCCL LLLL	37.33 N 110.23 W	290077	374

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2130517013	09/02/78	39	35	18197	D	50.10	116.20	20	EEEE	NO		CCCL	LLLL	35.90 N	110.69 W	290077	375
2130517020	09/02/78	39	36	18197	D	50.45	114.30	20	EEEE	NO		CCCL	LLLL	34.48 N	111.14 W	290077	376
2130517022	09/02/78	39	37	18197	D	50.76	112.37	10	EEEE	NO		CCCL	LLLL	33.05 N	111.57 W	290077	377
2130517025	09/02/78	39	38	18197	D	51.03	110.44	10	EFEE	NO		CCCL	LLLL	31.62 N	112.00 W	290077	378
2130520180	09/08/78	75	11	18199	D	32.36	159.38	10	EEEE	NO		CCCL	LLLL	69.20 N	141.64 W	290077	689
2130520183	09/08/78	75	12	18199	D	33.34	157.08	10	EEEE	NO		CCCL	LLLL	67.90 N	143.45 W	290077	690
2130520185	09/08/78	75	13	18199	D	34.31	154.93	10	EFEE	NO		CCCL	LLLL	66.59 N	145.08 W	290077	691
2130520192	09/08/78	75	14	18199	D	35.26	152.90	60	EEFE	NO		CCCL	LLLL	65.25 N	146.55 W	290077	692
2130520195	09/08/78	75	15	18199	D	36.20	150.96	10	EEFE	NO		CCCL	LLLL	63.88 N	147.87 W	290077	693
2130520201	09/08/78	75	16	18199	D	37.11	149.13	30	EEFE	NO		CCCL	LLLL	62.51 N	149.08 W	290077	694
2130520203	09/08/78	75	17	18199	D	38.01	147.35	60	EEFE	NO		CCCL	LLLL	61.15 N	150.20 W	290077	695
2130520210	09/08/78	75	18	18199	D	38.90	145.60	80	FE2E	NO		CCCL	LLLL	59.79 N	151.25 W	290077	696
2130604581	09/02/78	165	20	18204	D	40.49	142.34	90	M6E6	NO		CCCL	LLLL	57.04 N	077.75 E	290077	439
2130604584	09/02/78	165	21	18204	D	41.32	140.67	90	EEEE	NO		CCCL	LLLL	55.65 N	076.90 E	290077	440
2130604590	09/02/78	165	22	18204	D	42.13	139.02	80	EEEE	NO		CCCL	LLLL	54.26 N	076.10 E	290077	441
2130604593	09/02/78	165	23	18204	D	42.91	137.38	90	EEEE	NO		CCCL	LLLL	52.87 N	075.34 E	290077	442
2130604595	09/02/78	165	24	18204	D	43.66	135.75	90	EEEE	NO		CCCL	LLLL	51.47 N	074.63 E	290077	443
2130605002	09/02/78	165	25	18204	D	44.39	134.10	80	EEEE	NO		CCCL	LLLL	50.07 N	073.95 E	290077	444
2130605004	09/02/78	165	26	18204	D	45.10	132.43	60	EEEE	NO		CCCL	LLLL	48.66 N	073.31 E	290077	445
2130605011	09/02/78	165	27	18204	D	45.78	130.75	40	EEEE	NO		CCCL	LLLL	47.26 N	072.70 E	290077	446
2130605013	09/02/78	165	28	18204	D	46.43	129.03	10	EEEE	NO		CCCL	LLLL	45.84 N	072.11 E	290077	447
2130605020	09/02/78	165	29	18204	D	47.05	127.30	0	EEEE	NO		CCCL	LLLL	44.43 N	071.55 E	290077	448
2130605022	09/02/78	165	30	18204	D	47.63	125.55	10	EEEE	NO		CCCL	LLLL	43.01 N	071.01 E	290077	449
2130605025	09/02/78	165	31	18204	D	48.18	123.77	10	EEFE	NO		CCCL	LLLL	41.59 N	070.50 E	290077	450
2130606415	09/02/78	183	21	18205	D	41.31	140.69	40	EEEE	NO		CCCL	LLLL	55.63 N	051.12 E	290077	451
2130606422	09/02/78	183	22	18205	D	42.11	139.04	80	EEEE	NO		CCCL	LLLL	54.24 N	050.32 E	290077	452
2130606424	09/02/78	183	23	18205	D	42.90	137.39	80	EEEE	NO		CCCL	LLLL	52.85 N	049.56 E	290077	453
2130606431	09/02/78	183	24	18205	D	43.66	135.75	20	EEEE	NO		CCCL	LLLL	51.46 N	048.85 E	290077	454
2130606433	09/02/78	183	25	18205	D	44.39	134.09	40	EEEE	NO		CCCL	LLLL	50.06 N	048.16 E	290077	455
2130606440	09/02/78	183	26	18205	D	45.10	132.42	50	EEEE	NO		CCCL	LLLL	48.66 N	047.51 E	290077	456
2130606442	09/02/78	183	27	18205	D	45.77	130.75	20	EEEE	NO		CCCL	LLLL	47.25 N	046.90 E	290077	457
2130606445	09/02/78	183	28	18205	D	46.42	129.05	50	EEEE	NO		CCCL	LLLL	45.83 N	046.32 E	290077	458
2130606451	09/02/78	183	29	18205	D	47.03	127.32	60	EEEE	NO		CCCL	LLLL	44.42 N	045.75 E	290077	459
2130606454	09/02/78	183	30	18205	D	47.62	125.57	60	EEEE	NO		CCCL	LLLL	43.01 N	045.21 E	290077	460
2130610132	09/02/78	219	33	18207	D	49.13	120.25	0	EEEE	NO		CCCL	LLLL	38.76 N	007.94 W	290077	461
2130610135	09/02/78	219	34	18207	D	49.58	118.40	10	EEEE	NO		CCCL	LLLL	37.33 N	008.42 W	290077	462
2130615211	09/30/78	22	28	18210	D	46.33	129.17	10	EEEE	NO		CCCL	LLLL	45.83 N	082.75 W	290077	532
2130615213	09/30/78	22	29	18210	D	46.95	127.45	10	EEEE	NO		CCCL	LLLL	44.42 N	083.31 W	290077	533
2130615220	09/30/78	22	30	18210	D	47.55	125.68	10	EEEE	NO		CCCL	LLLL	43.01 N	083.86 W	290077	534
2130615222	09/30/78	22	31	18210	D	48.10	123.91	10	EEEE	NO		CCCL	LLLL	41.59 N	084.38 W	290077	535

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2130615225	09/30/78	22	32	18210	D	48.61	122.14	10	EEEE	NO		CCCL	LLLL	40.17 N	084.88 W	290077	536
2130615231	09/30/78	22	33	18210	D	49.09	120.32	10	EEEE	NO		CCCL	LLLL	38.75 N	085.36 W	290077	537
2130615234	09/30/78	22	34	18210	D	49.54	118.47	20	EEEE	NO		CCCL	LLLL	37.32 N	085.82 W	290077	538
2130615240	09/30/78	22	35	18210	D	49.95	116.60	70	EEEE	NO		CCCL	LLLL	35.89 N	086.28 W	290077	539
2130615243	09/30/78	22	36	18210	D	50.31	114.72	30	EEEE	NO		CCCL	LLLL	34.47 N	086.73 W	290077	540
2130615245	09/30/78	22	37	18210	D	50.63	112.81	10	EEEE	NO		CCCL	LLLL	33.04 N	087.17 W	290077	541
2130615252	09/30/78	22	38	18210	D	50.91	110.89	10	EEEE	NO		CCCL	LLLL	31.62 N	087.61 W	290077	542
2130615254	09/30/78	22	39	18210	D	51.14	108.95	20	EEEE	NO		CCCL	LLLL	30.19 N	088.03 W	290077	543
2130618445	09/30/78	58	21	18212	D	41.17	140.80	60	EEEE	NO		CCCL	LLLL	55.63 N	129.57 W	290078	410
2130618451	09/30/78	58	22	18212	D	41.98	139.16	30	EEEE	NO		CCCL	LLLL	54.24 N	130.37 W	290078	411
2130618454	09/30/78	58	23	18212	D	42.77	137.51	20	EEEE	NO		CCCL	LLLL	52.85 N	131.12 W	290078	412
2130705042	09/03/78	166	21	18218	D	41.05	140.91	90	EEEE	NO		CCCL	LLLL	55.64 N	075.50 E	290077	463
2130705045	09/03/78	166	22	18218	D	41.86	139.28	90	EEEE	NO		CCCL	LLLL	54.25 N	074.69 E	290077	464
2130705051	09/03/78	166	23	18218	D	42.64	137.65	80	EEEE	NO		CCCL	LLLL	52.85 N	073.94 E	290077	465
2130705054	09/03/78	166	24	18218	D	43.41	136.02	80	EEEE	NO		CCCL	LLLL	51.46 N	073.23 E	290077	466
2130705060	09/03/78	166	25	18218	D	44.15	134.37	90	EEEE	NO		CCCL	LLLL	50.06 N	072.55 E	290077	467
2130705063	09/03/78	166	26	18218	D	44.86	132.72	80	EEEE	NO		CCCL	LLLL	48.65 N	071.91 E	290077	468
2130706474	09/03/78	184	21	18219	D	41.02	140.94	30	EEEE	NO		CCCL	LLLL	55.65 N	049.66 E	290077	469
2130715270	09/03/78	23	28	18224	D	46.10	129.51	10	EFEE	NO		CCCL	LLLL	45.83 N	084.15 W	290077	470
2130715272	09/03/78	23	29	18224	D	46.72	127.80	0	EEEE	NO		CCCL	LLLL	44.41 N	084.72 W	290077	471
2130715275	09/03/78	23	30	18224	D	47.32	126.07	10	EEEE	NO		CCCL	LLLL	43.00 N	085.26 W	290077	472
2130715281	09/03/78	23	31	18224	D	47.88	124.32	0	EEEE	NO		CCCL	LLLL	41.58 N	085.79 W	290077	473
2130715284	09/03/78	23	32	18224	D	48.41	122.54	10	EEEE	NO		CCCL	LLLL	40.17 N	086.30 W	290077	474
2130715290	09/03/78	23	33	18224	D	48.90	120.75	10	EEEE	NO		CCCL	LLLL	38.74 N	086.79 W	290077	475
2130715293	09/03/78	23	34	18224	D	49.36	118.91	10	EEEE	NO		CCCL	LLLL	37.32 N	087.26 W	290077	476
2130715295	09/03/78	23	35	18224	D	49.77	117.06	0	EEEE	NO		CCCL	LLLL	35.89 N	087.72 W	290077	477
2130715302	09/03/78	23	36	18224	D	50.15	115.20	10	EEEE	NO		CCCL	LLLL	34.47 N	088.17 W	290077	478
2130715304	09/03/78	23	37	18224	D	50.48	113.30	10	EEFE	NO		CCCL	LLLL	33.04 N	088.61 W	290077	479
2130715311	09/03/78	23	38	18224	D	50.77	111.39	10	EEEE	NO		CCCL	LLLL	31.62 N	089.05 W	290077	480
2130718503	09/02/78	59	21	18226	D	40.88	141.07	90	FFPE	NO		CCCL	LLLL	55.65 N	131.03 W	290077	379
2130718510	09/02/78	59	22	18226	D	41.69	139.44	80	FEPE	NO		CCCL	LLLL	54.26 N	131.83 W	290077	380
2130718512	09/02/78	59	23	18226	D	42.48	137.82	80	FEPE	NO		CCCL	LLLL	52.87 N	132.58 W	290077	381
2130720292	09/08/78	77	10	18227	D	30.78	161.95	NA	MMMM	NO		CCCL	LLLL	70.43 N	142.45 W	0	0
2130720294	09/08/78	77	11	18227	D	31.77	159.52	90	EEEE	NO		CCCL	LLLL	69.15 N	144.48 W	290077	697
2130720301	09/08/78	77	12	18227	D	32.75	157.27	70	EEEE	NO		CCCL	LLLL	67.84 N	146.28 W	290077	698
2130720303	09/08/78	77	13	18227	D	33.71	155.15	70	EEEE	NO		CCCL	LLLL	66.51 N	147.89 W	290077	699
2130720310	09/08/78	77	14	18227	D	34.67	153.15	90	FEFF	NO		CCCL	LLLL	65.18 N	149.35 W	290077	700
2130720312	09/08/78	77	15	18227	D	35.62	151.25	90	EEEE	NO		CCCL	LLLL	63.83 N	150.68 W	290077	701
2130720315	09/08/78	77	16	18227	D	36.54	149.42	50	EEEE	NO		CCCL	LLLL	62.48 N	151.91 W	290077	702
2130801531	09/03/78	131	44	18230	D	51.55	099.98	80	EEEE	NO		CCCL	LLLL	23.02 N	113.65 E	290077	481

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2130801534	09/03/78	131	45	18230	D	51.52	098.04	70	EEEE	NO		CCCL	LLLL	21.59 N	113.27 E	290077	482
2130802013	09/03/78	131	64	18230	D	43.16	067.68	30	EEEE	NO		CCCL	LLLL	05.75 S	106.69 E	290077	483
2130802020	09/03/78	131	65	18230	D	42.39	066.56	30	EEEE	NO		CCCL	LLLL	07.20 S	106.36 E	290077	484
2130803265	09/03/78	149	21	18231	D	40.78	141.14	80	EEEE	NO		CCCL	LLLL	55.64 N	099.87 E	290077	485
2130805095	09/02/78	167	20	18232	D	39.91	142.81	60	EEEE	NO		CCCL	LLLL	57.05 N	074.86 E	290077	382
2130805101	09/02/78	167	21	18232	D	40.75	141.18	70	EEEE	NO		CCCL	LLLL	55.66 N	074.01 E	290077	383
2130805103	09/02/78	167	22	18232	D	41.56	139.56	80	EEEE	NO		CCCL	LLLL	54.27 N	073.22 E	290077	384
2130805110	09/02/78	167	23	18232	D	42.35	137.96	60	EEEE	NO		CCCL	LLLL	52.87 N	072.47 E	290077	385
2130805112	09/02/78	167	24	18232	D	43.13	136.33	70	EEEE	NO		CCCL	LLLL	51.47 N	071.76 E	290077	386
2130805115	09/02/78	167	25	18232	D	43.87	134.70	70	EEEE	NO		CCCL	LLLL	50.07 N	071.09 E	290077	387
2130805121	09/02/78	167	26	18232	D	44.59	133.06	80	EEEE	NO		CCCL	LLLL	48.66 N	070.44 E	290077	388
2130806530	09/02/78	185	20	18233	D	39.90	142.81	70	EEEE	NO		CCCL	LLLL	57.03 N	049.08 E	290077	389
2130806533	09/02/78	185	21	18233	D	40.74	141.19	80	EEEE	NO		CCCL	LLLL	55.64 N	048.23 E	290077	390
2130806535	09/02/78	185	22	18233	D	41.55	139.57	40	EEEE	NO		CCCL	LLLL	54.25 N	047.43 E	290077	391
2130806542	09/02/78	185	23	18233	D	42.35	137.95	10	EEEE	NO		CCCL	LLLL	52.86 N	046.68 E	290077	392
2130806544	09/02/78	185	24	18233	D	43.12	136.33	20	EEEE	NO		CCCL	LLLL	51.46 N	045.97 E	290077	393
2130815331	09/03/78	24	29	18238	D	46.48	128.19	50	EEEE	NO		CCCL	LLLL	44.43 N	086.19 W	290077	486
2130815333	09/03/78	24	30	18238	D	47.09	126.48	10	EEEE	NO		CCCL	LLLL	43.01 N	086.73 W	290077	487
2130815340	09/03/78	24	31	18238	D	47.66	124.73	30	EEEE	NO		CCCL	LLLL	41.59 N	087.25 W	290077	488
2130815342	09/03/78	24	32	18238	D	48.20	122.97	10	EEEE	NO		CCCL	LLLL	40.17 N	087.75 W	290077	489
2130815345	09/03/78	24	33	18238	D	48.70	121.19	10	EEEE	NO		CCCL	LLLL	38.75 N	088.23 W	290077	490
2130815351	09/03/78	24	34	18238	D	49.17	119.38	10	EEEE	NO		CCCL	LLLL	37.32 N	088.70 W	290077	491
2130815354	09/03/78	24	35	18238	D	49.60	117.53	0	EEEE	NO		CCCL	LLLL	35.90 N	089.17 W	290077	492
2130815360	09/03/78	24	36	18238	D	49.98	115.67	10	EEEE	NO		CCCL	LLLL	34.47 N	089.62 W	290077	493
2130815363	09/03/78	24	37	18238	D	50.33	113.80	10	EEEE	NO		CCCL	LLLL	33.05 N	090.06 W	290077	494
2130815365	09/02/78	24	38	18238	D	50.63	111.90	10	EEEE	NO		CCCL	LLLL	31.62 N	090.48 W	290077	394
2130815372	09/02/78	24	39	18238	D	50.89	110.00	20	EEEE	NO		CCCL	LLLL	30.19 N	090.89 W	290077	395
2130817135	09/03/78	42	23	18239	D	42.23	138.06	10	EEEE	NO		CCCL	LLLL	52.86 N	108.18 W	290077	495
2130817142	09/03/78	42	24	18239	D	43.00	136.45	20	EEEE	NO		CCCL	LLLL	51.46 N	108.90 W	290077	496
2130817144	09/03/78	42	25	18239	D	43.75	134.84	80	EEEE	NO		CCCL	LLLL	50.06 N	109.57 W	290077	497
2130817151	09/03/78	42	26	18239	D	44.47	133.20	50	EEEE	NO		CCCL	LLLL	48.65 N	110.21 W	290077	498
2130817153	09/03/78	42	27	18239	D	45.17	131.55	30	EEEE	NO		CCCL	LLLL	47.24 N	110.83 W	290077	499
2130817160	09/03/78	42	28	18239	D	45.84	129.89	20	EEEE	NO		CCCL	LLLL	45.83 N	111.42 W	290077	500
2130817162	09/03/78	42	29	18239	D	46.47	128.20	40	EEEE	NO		CCCL	LLLL	44.42 N	112.00 W	290077	501
2130817165	09/03/78	42	30	18239	D	47.08	126.50	40	EEEE	NO		CCCL	LLLL	43.01 N	112.53 W	290077	502
2130817171	09/03/78	42	31	18239	D	47.65	124.77	10	EEEE	NO		CCCL	LLLL	41.59 N	113.05 W	290077	503
2130817174	09/03/78	42	32	18239	D	48.19	123.01	10	EEEE	NO		CCCL	LLLL	40.17 N	113.55 W	290077	504
2130817180	09/03/78	42	33	18239	D	48.69	121.22	10	EEEE	NO		CCCL	LLLL	38.74 N	114.04 W	290077	505
2130817183	09/03/78	42	34	18239	D	49.16	119.40	0	EEEE	NO		CCCL	LLLL	37.32 N	114.51 W	290077	506
2130817185	09/03/78	42	35	18239	D	49.59	117.56	0	EEEE	NO		CCCL	LLLL	35.90 N	114.98 W	290077	507

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2130817192	09/03/78	42	36	18239	D	49.97	115.69	0	EEEE	NO			CCCL LLLL	34.47 N	115.42 W	290077	508
2130817194	09/03/78	42	37	18239	D	50.32	113.81	0	EEEE	NO			CCCL LLLL	33.04 N	115.85 W	290077	509
2130817201	09/03/78	42	38	18239	D	50.63	111.91	10	EEEE	NO			CCCL LLLL	31.61 N	116.28 W	290077	510
2130820350	09/08/78	78	10	18241	D	30.42	162.17	80	EEPE	NO			CCCL LLLL	70.47 N	143.92 W	290078	43
2130820353	09/08/78	78	11	18241	D	31.41	159.72	80	EEPE	NO			CCCL LLLL	69.18 N	145.93 W	290078	44
2130820355	09/08/78	78	12	18241	D	32.39	157.48	70	EEPE	NO			CCCL LLLL	67.88 N	147.75 W	290078	45
2130820362	09/08/78	78	13	18241	D	33.36	155.37	60	EEPE	NO			CCCL LLLL	66.55 N	149.36 W	290078	46
2130820364	09/08/78	78	14	18241	D	34.32	153.38	80	EEPE	NO			CCCL LLLL	65.23 N	150.84 W	290078	47
2130820371	09/08/78	78	15	18241	D	35.27	151.50	90	EEPE	NO			CCCL LLLL	63.88 N	152.17 W	290078	48
2130820373	09/08/78	78	16	18241	D	36.20	149.68	50	EEPE	NO			CCCL LLLL	62.52 N	153.39 W	290078	49
2130820380	09/08/78	78	17	18241	D	37.10	147.94	20	EEPE	NO			CCCL LLLL	61.16 N	154.51 W	290078	50
2130820382	09/08/78	78	18	18241	D	38.00	146.25	40	EEPE	NO			CCCL LLLL	59.79 N	155.55 W	290078	51
2130820385	09/08/78	78	19	18241	D	38.88	144.58	90	EEPE	NO			CCCL LLLL	58.42 N	156.52 W	290078	52
2130822473	09/02/78	96	80	18242	D	28.73	055.67	30	EEEE	NO			CCCL LLLL	28.75 S	151.10 E	290077	396
2130901531	09/02/78	132	30	18244	D	46.99	126.66	90	EEEE	NO			CCCL LLLL	43.02 N	118.33 E	290077	397
2130901533	09/02/78	132	31	18244	D	47.57	124.92	30	EEEE	NO			CCCL LLLL	41.60 N	117.80 E	290077	398
2130901540	09/02/78	132	32	18244	D	48.11	123.16	30	EEEE	NO			CCCL LLLL	40.18 N	117.29 E	290077	399
2130901542	09/02/78	132	33	18244	D	48.62	121.37	30	EEEE	NO			CCCL LLLL	38.76 N	116.79 E	290077	400
2130901545	09/02/78	132	34	18244	D	49.09	119.56	30	EEEE	NO			CCCL LLLL	37.34 N	116.32 E	290077	401
2130901551	09/02/78	132	35	18244	D	49.52	117.75	60	EEEE	NO			CCCL LLLL	35.91 N	115.86 E	290077	402
2130901554	09/02/78	132	36	18244	D	49.91	115.90	60	EEEE	NO			CCCL LLLL	34.49 N	115.42 E	290077	403
2130901560	09/02/78	132	37	18244	D	50.26	114.03	70	FEFE	NO			CCCL LLLL	33.05 N	115.00 E	290077	404
2130901563	09/03/78	132	38	18244	D	50.57	112.13	NA	6666	NO			CCCL LLLL	31.62 N	114.58 E		0
2130901565	09/03/78	132	39	18244	D	50.84	110.20	40	EEFE	NO			CCCL LLLL	30.19 N	114.16 E	290077	511
2130901572	09/03/78	132	40	18244	D	51.06	108.27	90	EEFE	NO			CCCL LLLL	28.76 N	113.76 E	290077	512
2130901590	09/03/78	132	44	18244	D	51.49	100.52	90	EEFE	NO			CCCL LLLL	23.02 N	112.22 E	290077	513
2130901593	09/03/78	132	45	18244	D	51.48	098.58	80	EEFE	NO			CCCL LLLL	21.59 N	111.84 E	290077	514
2130903324	09/03/78	150	21	18245	D	40.49	141.40	90	FFFE	NO			CCCL LLLL	55.64 N	098.43 E	290077	515
2130905160	09/03/78	168	21	18246	D	40.46	141.44	40	EEEE	NO			CCCL LLLL	55.66 N	072.59 E	290077	516
2130905162	09/03/78	168	22	18246	D	41.28	139.83	20	FEFE	NO			CCCL LLLL	54.27 N	071.79 E	290077	517
2130905165	09/03/78	168	23	18246	D	42.08	138.23	50	EEEE	NO			CCCL LLLL	52.87 N	071.04 E	290077	518
2130905171	09/03/78	168	24	18246	D	42.86	136.63	80	EEEE	NO			CCCL LLLL	51.47 N	070.33 E	290077	519
2130905174	09/03/78	168	25	18246	D	43.61	135.01	80	EEEE	NO			CCCL LLLL	50.07 N	069.65 E	290077	520
2130905180	09/03/78	168	26	18246	D	44.33	133.39	50	EEEE	NO			CCCL LLLL	48.67 N	069.00 E	290077	521
2130905183	09/03/78	168	27	18246	D	45.04	131.75	10	EEEE	NO			CCCL LLLL	47.26 N	068.37 E	290077	522
2130905185	09/03/78	168	28	18246	D	45.71	130.07	0	EEEE	NO			CCCL LLLL	45.86 N	067.78 E	290077	523
2130905192	09/03/78	168	29	18246	D	46.35	128.40	0	EEEE	NO			CCCL LLLL	44.44 N	067.22 E	290077	524
2130914051	09/03/78	7	52	18251	D	50.16	085.88	60	EEEE	NO			CCCL LLLL	11.52 N	071.36 W	290077	525
2130914054	09/03/78	7	53	18251	D	49.80	084.15	70	FEFE	NO			CCCL LLLL	10.08 N	071.70 W	290077	526
2130914060	09/03/78	7	54	18251	D	49.40	082.46	50	EEEE	NO			CCCL LLLL	08.64 N	072.04 W	290077	527

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2130914063	09/03/78	7	55	18251	D	48.96	080.81	80	EEEF	NO			CCCL LLLL 07.20 N	072.39 W	290077	528
2130915392	09/17/78	25	30	18252	D	46.86	126.86	10	EEEE	NO			CCCL LLLL 43.01 N	088.17 W	290078	54
2130915394	09/17/78	25	31	18252	D	47.45	125.14	0	EEEE	NO			CCCL LLLL 41.59 N	088.69 W	290078	55
2130915401	09/17/78	25	32	18252	D	47.99	123.39	0	EEEE	NO			CCCL LLLL 40.18 N	089.20 W	290078	56
2130915403	09/17/78	25	33	18252	D	48.51	121.62	0	EEEE	NO			CCCL LLLL 38.76 N	089.69 W	290078	57
2130915410	09/17/78	25	34	18252	D	48.98	119.83	0	EEEE	NO			CCCL LLLL 37.33 N	090.16 W	290078	58
2130915412	09/17/78	25	35	18252	D	49.42	118.01	0	EEEE	NO			CCCL LLLL 35.90 N	090.62 W	290078	59
2130915415	09/17/78	25	36	18252	D	49.82	116.16	0	EEFE	NO			CCCL LLLL 34.48 N	091.06 W	290078	60
2130915421	09/17/78	25	37	18252	D	50.17	114.29	0	EEFE	NO			CCCL LLLL 33.05 N	091.50 W	290078	61
2130915424	09/17/78	25	38	18252	D	50.49	112.39	10	EEFE	NO			CCCL LLLL 31.62 N	091.92 W	290078	62
2130915431	09/17/78	25	39	18252	D	50.76	110.48	10	EEEE	NO			CCCL LLLL 30.19 N	092.34 W	290078	63
2130917194	09/30/78	43	23	18253	D	41.96	138.34	90	EEEE	NO			CCCL LLLL 52.85 N	109.62 W	290077	544
2130917210	09/30/78	43	26	18253	D	44.22	133.52	20	EEEE	NO			CCCL LLLL 48.65 N	111.65 W	290077	545
2130917212	09/30/78	43	27	18253	D	44.92	131.89	30	EEEE	NO			CCCL LLLL 47.24 N	112.26 W	290077	546
2130917215	09/30/78	43	28	18253	D	45.59	130.25	20	EEEE	NO			CCCL LLLL 45.83 N	112.85 W	290077	547
2130917221	09/30/78	43	29	18253	D	46.24	128.58	10	EEEE	NO			CCCL LLLL 44.42 N	113.41 W	290077	548
2130917224	09/30/78	43	30	18253	D	46.85	126.88	10	EEEE	NO			CCCL LLLL 43.00 N	113.96 W	290077	549
2130917230	09/30/78	43	31	18253	D	47.44	125.15	10	EEEE	NO			CCCL LLLL 41.59 N	114.48 W	290077	550
2130917233	09/30/78	43	32	18253	D	47.98	123.41	0	EEEE	NO			CCCL LLLL 40.17 N	115.00 W	290077	551
2130917235	09/30/78	43	33	18253	D	48.49	121.64	0	EEEE	NO			CCCL LLLL 38.75 N	115.48 W	290077	552
2130917242	09/30/78	43	34	18253	D	48.97	119.85	0	EEEE	NO			CCCL LLLL 37.32 N	115.95 W	290077	553
2130917244	09/30/78	43	35	18253	D	49.41	118.02	0	EEEE	NO			CCCL LLLL 35.90 N	116.42 W	290077	554
2130917251	09/30/78	43	36	18253	D	49.81	116.17	0	EEEE	NO			CCCL LLLL 34.47 N	116.86 W	290077	555
2130920405	09/08/78	79	10	18255	D	30.09	162.29	60	EEEE	NO			CCCL LLLL 70.46 N	145.34 W	290077	630
2130920411	09/08/78	79	11	18255	D	31.09	159.86	50	EEEE	NO			CCCL LLLL 69.17 N	147.36 W	290077	631
2130920414	09/08/78	79	12	18255	D	32.08	157.61	50	EEEE	NO			CCCL LLLL 67.87 N	149.17 W	290077	632
2130920420	09/08/78	79	13	18255	D	33.05	155.52	80	EEFE	NO			CCCL LLLL 66.56 N	150.79 W	290077	633
2130920423	09/08/78	79	14	18255	D	34.01	153.53	90	EEFE	NO			CCCL LLLL 65.22 N	152.26 W	290077	634
2130920425	09/08/78	79	15	18255	D	34.96	151.66	60	EEFE	NO			CCCL LLLL 63.87 N	153.60 W	290077	635
2130920432	09/08/78	79	16	18255	D	35.89	149.87	40	EEFE	NO			CCCL LLLL 62.52 N	154.81 W	290077	636
2130920434	09/08/78	79	17	18255	D	36.80	148.13	90	EEFE	NO			CCCL LLLL 61.15 N	155.94 W	290077	637
2131001565	09/03/78	133	25	18258	D	43.38	135.27	50	EEEE	NO			CCCL LLLL 50.06 N	119.87 E	290077	529
2131002015	09/03/78	133	37	18258	D	50.11	114.50	40	EEEE	NO			CCCL LLLL 33.05 N	113.58 E	290077	530
2131002022	09/03/78	133	38	18258	D	50.43	112.60	50	EEEE	NO			CCCL LLLL 31.62 N	113.16 E	290077	531
2131002024	09/03/78	133	39	18258	D	50.71	110.70	NA	M222	NO			CCCL LLLL 30.19 N	112.75 E	0	0
2131002031	09/03/78	133	40	18258	D	50.94	108.78	NA	MMMM	NO			CCCL LLLL 28.75 N	112.34 F	0	0
2131005214	09/08/78	169	21	18260	D	40.18	141.67	70	EEFE	NO			CCCL LLLL 55.64 N	071.18 E	290077	556
2131005221	09/08/78	169	22	18260	D	41.00	140.08	60	EEFE	NO			CCCL LLLL 54.26 N	070.38 E	290077	557
2131005223	09/08/78	169	23	18260	D	41.81	138.50	30	EEFE	NO			CCCL LLLL 52.86 N	069.62 E	290077	558
2131005230	09/08/78	169	24	18260	D	42.59	136.91	0	EEFE	NO			CCCL LLLL 51.47 N	068.90 E	290077	559

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2131005232	09/08/78	169	25	18260	D	43.35	135.31	0	EEEE	NO		CCCL	LLLL	50.07 N	068.22 E	290077	560
2131005235	09/08/78	169	26	18260	D	44.08	133.69	0	EEEE	NO		CCCL	LLLL	48.67 N	067.57 E	290077	561
2131005241	09/08/78	169	27	18260	D	44.79	132.07	0	EEEE	NO		CCCL	LLLL	47.26 N	066.95 E	290077	562
2131005244	09/08/78	169	28	18260	D	45.47	130.43	0	EEEE	NO		CCCL	LLLL	45.85 N	066.36 E	290077	563
2131005250	09/08/78	169	29	18260	D	46.12	128.76	0	EEEE	NO		CCCL	LLLL	44.43 N	065.80 E	290077	564
2131007041	09/08/78	187	19	18261	D	38.44	144.92	90	EEEE	NO		CCCL	LLLL	58.41 N	047.10 E	290077	565
2131007044	09/08/78	187	20	18261	D	39.31	143.30	50	EEEE	NO		CCCL	LLLL	57.04 N	046.20 E	290077	566
2131007050	09/08/78	187	21	18261	D	40.15	141.70	10	EEEE	NO		CCCL	LLLL	55.65 N	045.35 E	290077	567
2131007053	09/08/78	187	22	18261	D	40.98	140.11	10	EEEE	NO		CCCL	LLLL	54.26 N	044.55 E	290077	568
2131007055	09/08/78	187	23	18261	D	41.79	138.52	30	EEEE	NO		CCCL	LLLL	52.87 N	043.79 E	290077	569
2131007062	09/08/78	187	24	18261	D	42.57	136.94	10	EEEE	NO		CCCL	LLLL	51.47 N	043.08 E	290077	570
2131007064	09/08/78	187	25	18261	D	43.33	135.34	10	EEEE	NO		CCCL	LLLL	50.07 N	042.40 E	290077	571
2131007071	09/08/78	187	26	18261	D	44.06	133.73	30	EEEE	NO		CCCL	LLLL	48.67 N	041.75 E	290077	572
2131007073	09/08/78	187	27	18261	D	44.77	132.11	90	EEEE	NO		CCCL	LLLL	47.26 N	041.14 E	290077	573
2131007080	09/08/78	187	28	18261	D	45.44	130.48	NA	MMMM	NO		CCCL	LLLL	45.85 N	040.55 E	0	0
2131007082	09/08/78	187	29	18261	D	46.09	128.82	NA	MMMM	NO		CCCL	LLLL	44.43 N	040.00 E	0	0
2131008593	09/08/78	205	48	18262	D	51.17	093.58	10	EEEE	NO		CCCL	LLLL	17.28 N	006.03 E	290077	574
2131009000	09/08/78	205	49	18262	D	50.99	091.72	10	EEEE	NO		CCCL	LLLL	15.84 N	005.67 E	290077	575
2131009002	09/08/78	205	50	18262	D	50.77	089.88	10	EEEE	NO		CCCL	LLLL	14.40 N	005.32 E	290077	576
2131014110	09/08/78	8	52	18265	D	50.21	086.42	20	EEEE	NO		CCCL	LLLL	11.53 N	072.80 W	290077	577
2131014113	09/08/78	8	53	18265	D	49.86	084.68	30	EEEE	NO		CCCL	LLLL	10.09 N	073.15 W	290077	578
2131015442	09/09/78	26	28	18266	D	45.37	130.57	90	EEEE	NO		CCCL	LLLL	45.84 N	088.50 W	290078	1
2131015444	09/09/78	26	29	18266	D	46.02	128.92	90	EEEE	NO		CCCL	LLLL	44.43 N	089.05 W	290078	2
2131015451	09/09/78	26	30	18266	D	46.63	127.25	30	EEEE	NO		CCCL	LLLL	43.01 N	089.59 W	290078	3
2131015453	09/09/78	26	31	18266	D	47.22	125.55	50	EEEE	NO		CCCL	LLLL	41.59 N	090.11 W	290078	4
2131015460	09/09/78	26	32	18266	D	47.78	123.82	60	EEEE	NO		CCCL	LLLL	40.17 N	090.61 W	290078	5
2131015462	09/09/78	26	33	18266	D	48.31	122.06	10	EEEE	NO		CCCL	LLLL	38.75 N	091.10 W	290078	6
2131015465	09/09/78	26	34	18266	D	48.79	120.26	0	EEEE	NO		CCCL	LLLL	37.33 N	091.58 W	290078	7
2131015471	09/09/78	26	35	18266	D	49.24	118.45	0	EEEE	NO		CCCL	LLLL	35.90 N	092.04 W	290078	8
2131015474	09/09/78	26	36	18266	D	49.65	116.62	10	EEEE	NO		CCCL	LLLL	34.48 N	092.50 W	290078	9
2131015480	09/09/78	26	37	18266	D	50.02	114.77	10	EEEE	NO		CCCL	LLLL	33.05 N	092.93 W	290078	10
2131015483	09/09/78	26	38	18266	D	50.35	112.89	20	EEEE	NO		CCCL	LLLL	31.62 N	093.36 W	290078	11
2131015485	09/09/78	26	39	18266	D	50.63	111.00	60	EEEE	NO		CCCL	LLLL	30.19 N	093.77 W	290078	12
2131100213	09/08/78	116	30	18271	D	46.55	127.41	10	EEEE	NO		CCCL	LLLL	43.01 N	141.29 E	290077	579
2131102024	09/08/78	134	25	18272	D	43.12	135.57	60	EEEE	NO		CCCL	LLLL	50.06 N	118.44 E	290077	580
2131102074	09/08/78	134	37	18272	D	49.96	114.96	30	EEEE	NO		CCCL	LLLL	33.05 N	112.15 E	290077	581
2131102080	09/08/78	134	38	18272	D	50.29	113.11	20	EEEE	NO		CCCL	LLLL	31.61 N	111.75 E	290077	582
2131102083	09/08/78	134	39	18272	D	50.58	111.22	30	EEEE	NO		CCCL	LLLL	30.18 N	111.32 E	290077	583
2131103435	09/24/78	152	20	18273	D	39.04	143.52	50	EEEE	NO		CCCL	LLLL	57.05 N	096.38 E	290078	245
2131103442	09/24/78	152	21	18273	D	39.89	141.93	70	EEEE	NO		CCCL	LLLL	55.66 N	095.53 E	290078	246

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2131103444	09/24/78	152	22	18273	D	40.73	140.35	80	EEEE	NO		CCCL	LLLL	54.27 N	094.73 E	290078	247
2131103451	09/24/78	152	23	18273	D	41.54	138.77	90	EEEE	NO		CCCL	LLLL	52.87 N	093.98 E	290078	248
2131103453	09/24/78	152	24	18273	D	42.32	137.20	80	EEEE	NO		CCCL	LLLL	51.47 N	093.27 E	290078	249
2131105273	09/24/78	170	21	18274	D	39.88	141.93	80	EEEE	NO		CCCL	LLLL	55.65 N	069.73 E	290078	250
2131105280	09/24/78	170	22	18274	D	40.72	140.35	60	EEEE	NO		CCCL	LLLL	54.26 N	068.93 E	290078	251
2131105282	09/24/78	170	23	18274	D	41.53	138.78	40	EEEE	NO		CCCL	LLLL	52.87 N	068.17 E	290078	252
2131109052	09/24/78	206	48	18276	D	51.16	094.15	20	EEEE	NO		CCCL	LLLL	17.28 N	004.60 E	290078	253
2131109054	09/24/78	206	49	18276	D	51.00	092.28	30	EEEE	NO		CCCL	LLLL	15.84 N	004.25 E	290078	254
2131109061	09/24/78	206	50	18276	D	50.79	090.44	10	EEEE	NO		CCCL	LLLL	14.40 N	003.89 E	290078	255
2131109063	09/24/78	206	51	18276	D	50.54	088.62	10	EEEE	NO		CCCL	LLLL	12.96 N	003.54 E	290078	256
2131115500	09/17/78	27	28	18280	D	45.12	130.93	NA	MM66	NO		CCCL	LLLL	45.84 N	089.91 W	0	0
2131115503	09/17/78	27	29	18280	D	45.78	129.28	90	EEEE	NO		CCCL	LLLL	44.43 N	090.48 W	290077	761
2131115505	09/17/78	27	30	18280	D	46.41	127.62	90	EEEE	NO		CCCL	LLLL	43.01 N	091.04 W	290077	762
2131115512	09/17/78	27	31	18280	D	47.01	125.93	90	EEEE	NO		CCCL	LLLL	41.59 N	091.55 W	290077	763
2131115514	09/17/78	27	32	18280	D	47.57	124.22	50	EEEE	NO		CCCL	LLLL	40.17 N	092.05 W	290077	764
2131115521	09/17/78	27	33	18280	D	48.10	122.50	40	EEEE	NO		CCCL	LLLL	38.75 N	092.53 W	290077	765
2131115523	09/17/78	27	34	18280	D	48.60	120.72	30	EEEE	NO		CCCL	LLLL	37.33 N	093.01 W	290077	766
2131115530	09/17/78	27	35	18280	D	49.06	118.92	10	EEEE	NO		CCCL	LLLL	35.90 N	093.48 W	290077	767
2131115532	09/17/78	27	36	18280	D	49.48	117.10	20	EEEE	NO		CCCL	LLLL	34.48 N	093.93 W	290077	768
2131115535	09/17/78	27	37	18280	D	49.86	115.26	10	EEEE	NO		CCCL	LLLL	33.05 N	094.37 W	290077	769
2131115541	09/17/78	27	38	18280	D	50.20	113.40	30	EEEE	NO		CCCL	LLLL	31.62 N	094.78 W	290077	770
2131117312	09/08/78	45	23	18281	D	41.39	138.91	30	EEEE	NO		CCCL	LLLL	52.86 N	112.50 W	290077	584
2131117314	09/08/78	45	24	18281	D	42.18	137.34	60	EEEE	NO		CCCL	LLLL	51.46 N	113.21 W	290077	585
2131117344	09/08/78	45	31	18281	D	46.99	125.96	NA	MMMM	NO		CCCL	LLLL	41.59 N	117.36 W	0	0
2131117350	09/08/78	45	32	18281	D	47.56	124.25	0	EEEE	NO		CCCL	LLLL	40.17 N	117.86 W	290077	586
2131117353	09/08/78	45	33	18281	D	48.10	122.50	0	EEEE	NO		CCCL	LLLL	38.75 N	118.35 W	290077	587
2131117355	09/08/78	45	34	18281	D	48.59	120.73	0	EEEE	NO		CCCL	LLLL	37.32 N	118.82 W	290077	588
2131117362	09/08/78	45	35	18281	D	49.05	118.95	0	EEEE	NO		CCCL	LLLL	35.90 N	119.28 W	290077	589
2131117364	09/08/78	45	36	18281	D	49.47	117.14	10	EEEE	NO		CCCL	LLLL	34.47 N	119.73 W	290077	590
2131117371	09/08/78	45	37	18281	D	49.85	115.30	80	EEEE	NO		CCCL	LLLL	33.05 N	120.18 W	290077	591
2131120522	09/17/78	81	10	18283	D	29.43	162.54	90	6EFE	NO		CCCL	LLLL	70.46 N	148.21 W	290077	771
2131120525	09/17/78	81	11	18283	D	30.42	160.14	60	FEFE	NO		CCCL	LLLL	69.17 N	150.23 W	290077	772
2131120531	09/17/78	81	12	18283	D	31.41	157.93	10	EEEE	NO		CCCL	LLLL	67.87 N	152.03 W	290077	773
2131120534	09/17/78	81	13	18283	D	32.39	155.84	20	EEEE	NO		CCCL	LLLL	66.55 N	153.66 W	290077	774
2131120540	09/17/78	81	14	18283	D	33.36	153.89	10	FEFE	NO		CCCL	LLLL	65.21 N	155.12 W	290077	775
2131120543	09/17/78	81	15	18283	D	34.32	152.02	10	EEEE	NO		CCCL	LLLL	63.87 N	156.45 W	290077	776
2131120545	09/17/78	81	16	18283	D	35.26	150.25	10	EEEE	NO		CCCL	LLLL	62.52 N	157.68 W	290077	777
2131120552	09/17/78	81	17	18283	D	36.18	148.54	20	FEFE	NO		CCCL	LLLL	61.16 N	158.81 W	290077	778
2131123042	09/24/78	99	79	18284	D	30.59	056.83	90	EEEE	NO		CCCL	LLLL	27.32 S	147.22 E	290078	257
2131202083	09/24/78	135	25	18286	D	42.85	135.87	70	EEEE	NO		CCCL	LLLL	50.06 N	117.00 E	290078	258

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2131202215	09/24/78	135	57	18286	D	48.25	078.94	50	EEEE	NO		CCCL	LLLL	04.32 N	103.31 E	290078	259
2131202221	09/24/78	135	58	18286	D	47.73	077.42	30	EEEE	NO		CCCL	LLLL	02.88 N	102.97 E	290078	260
2131203494	09/08/78	153	20	18287	D	38.74	143.76	20	EEEE	NO		CCCL	LLLL	57.05 N	094.93 E	290077	592
2131203500	09/08/78	153	21	18287	D	39.59	142.19	30	EEEE	NO		CCCL	LLLL	55.66 N	094.09 E	290077	593
2131203503	09/08/78	153	22	18287	D	40.43	140.62	50	EEEE	NO		CCCL	LLLL	54.27 N	093.30 E	290077	594
2131203505	09/08/78	153	23	18287	D	41.25	139.06	10	EEEE	NO		CCCL	LLLL	52.87 N	092.55 E	290077	595
2131205325	09/17/78	171	20	18288	D	38.73	143.75	80	EEEE	NO		CCCL	LLLL	57.03 N	069.16 E	290078	64
2131205332	09/17/78	171	21	18288	D	39.59	142.18	40	EEEE	NO		CCCL	LLLL	55.65 N	068.30 E	290078	65
2131205334	09/17/78	171	22	18288	D	40.42	140.62	30	EEEE	NO		CCCL	LLLL	54.26 N	067.50 E	290078	66
2131205341	09/17/78	171	23	18288	D	41.24	139.06	70	EEEE	NO		CCCL	LLLL	52.86 N	066.75 E	290078	67
2131205343	09/17/78	171	24	18288	D	42.03	137.50	10	EEEE	NO		CCCL	LLLL	51.47 N	066.04 E	290078	68
2131205350	09/17/78	171	25	18288	D	42.81	135.93	10	EEEE	NO		CCCL	LLLL	50.06 N	065.36 E	290078	69
2131207152	09/17/78	189	18	18289	D	36.94	147.00	90	EEEE	NO		CCCL	LLLL	59.80 N	045.20 E	290078	70
2131207155	09/17/78	189	19	18289	D	37.83	145.38	90	EEEE	NO		CCCL	LLLL	58.42 N	044.23 E	290078	71
2131207161	09/17/78	189	20	18289	D	38.70	143.79	70	EEEE	NO		CCCL	LLLL	57.04 N	043.32 E	290078	72
2131207164	09/17/78	189	21	18289	D	39.56	142.22	50	EEEE	NO		CCCL	LLLL	55.66 N	042.47 E	290078	73
2131207170	09/09/78	189	22	18289	D	40.40	140.66	40	EEFE	NO		CCCL	LLLL	54.27 N	041.67 E	290078	13
2131207173	09/09/78	189	23	18289	D	41.22	139.09	20	EEFE	NO		CCCL	LLLL	52.87 N	040.92 E	290078	14
2131207175	09/09/78	189	24	18289	D	42.01	137.53	10	EEFE	NO		CCCL	LLLL	51.47 N	040.21 E	290078	15
2131207182	09/09/78	189	25	18289	D	42.79	135.96	20	EEFE	NO		CCCL	LLLL	50.07 N	039.53 E	290078	16
2131207184	09/09/78	189	26	18289	D	43.53	134.39	30	EEFE	NO		CCCL	LLLL	48.66 N	038.89 E	290078	17
2131207191	09/09/78	189	27	18289	D	44.25	132.80	50	EEFE	NO		CCCL	LLLL	47.25 N	038.28 E	290078	18
2131207193	09/09/78	189	28	18289	D	44.94	131.19	50	EEEE	NO		CCCL	LLLL	45.84 N	037.69 E	290078	19
2131207200	09/09/78	189	29	18289	D	45.61	129.56	10	EEEE	NO		CCCL	LLLL	44.43 N	037.13 E	290078	20
2131209113	09/09/78	207	49	18290	D	51.00	092.84	10	EE2E	NO		CCCL	LLLL	15.84 N	002.81 E	290078	21
2131209120	09/09/78	207	50	18290	D	50.81	091.00	50	FE2E	NO		CCCL	LLLL	14.40 N	002.45 E	290078	22
2131209122	09/09/78	207	51	18290	D	50.58	089.18	50	EEPE	NO		CCCL	LLLL	12.96 N	002.11 E	290078	23
2131214242	09/09/78	10	56	18293	D	48.78	080.76	80	EEFE	NO		CCCL	LLLL	05.76 N	077.02 W	290078	24
2131214244	09/09/78	10	57	18293	D	48.30	079.18	90	EEFE	NO		CCCL	LLLL	04.32 N	077.35 W	290078	25
2131214251	09/09/78	10	58	18293	D	47.78	077.64	90	EEFE	NO		CCCL	LLLL	02.88 N	077.69 W	290078	26
2131214253	09/09/78	10	59	18293	D	47.23	076.16	80	EEFE	NO		CCCL	LLLL	01.44 N	078.03 W	290078	27
2131215550	09/08/78	28	26	18294	D	43.43	134.50	90	6FEE	NO		CCCL	LLLL	48.66 N	090.16 W	290077	596
2131215553	09/08/78	28	27	18294	D	44.16	132.92	90	EFEE	NO		CCCL	LLLL	47.25 N	090.77 W	290077	597
2131215555	09/08/78	28	28	18294	D	44.86	131.30	90	EFEE	NO		CCCL	LLLL	45.84 N	091.36 W	290077	598
2131215562	09/08/78	28	29	18294	D	45.53	129.68	90	EEEE	NO		CCCL	LLLL	44.43 N	091.93 W	290077	599
2131215564	09/08/78	28	30	18294	D	46.17	128.03	80	EEEE	NO		CCCL	LLLL	43.01 N	092.47 W	290077	600
2131215571	09/08/78	28	31	18294	D	46.78	126.36	30	EEEE	NO		CCCL	LLLL	41.59 N	093.00 W	290077	601
2131215573	09/08/78	28	32	18294	D	47.35	124.66	10	EEEE	NO		CCCL	LLLL	40.17 N	093.50 W	290077	602
2131215580	09/08/78	28	33	18294	D	47.89	122.94	10	EEEE	NO		CCCL	LLLL	38.75 N	093.98 W	290077	603
2131215582	09/08/78	28	34	18294	D	48.40	121.19	10	EFEE	NO		CCCL	LLLL	37.33 N	094.45 W	290077	604

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2131215585	09/08/78	28	35	18294	D	48.87	119.40	10	EEEE	NO			CCCL LLLL	35.90 N 094.91 W	290077	605
2131215591	09/08/78	28	36	18294	D	49.31	117.59	10	EEEE	NO			CCCL LLLL	34.48 N 095.37 W	290077	606
2131215594	09/08/78	28	37	18294	D	49.70	115.75	10	EEEE	NO			CCCL LLLL	33.05 N 095.81 W	290077	607
2131216000	09/08/78	28	38	18294	D	50.05	113.90	10	EEEE	NO			CCCL LLLL	31.62 N 096.23 W	290077	608
2131216003	09/08/78	28	39	18294	D	50.36	112.03	20	EEEE	NO			CCCL LLLL	30.19 N 096.65 W	290077	609
2131216005	09/08/78	28	40	18294	D	50.63	110.16	20	EEEE	NO			CCCL LLLL	28.76 N 097.05 W	290077	610
2131216012	09/08/78	28	41	18294	D	50.85	108.27	20	EEEE	NO			CCCL LLLL	27.32 N 097.44 W	290077	611
2131216014	09/08/78	28	42	18294	D	51.03	106.36	20	EEEE	NO			CCCL LLLL	25.89 N 097.82 W	290077	612
2131302141	09/09/78	136	25	18300	D	42.58	136.19	50	EEEE	NO			CCCL LLLL	50.06 N 115.56 E	290078	28
2131302273	09/09/78	136	57	18300	D	48.37	079.46	60	EEZE	NO			CCCL LLLL	04.32 N 101.87 E	290078	29
2131302280	09/09/78	136	58	18300	D	47.85	077.92	40	FFPE	NO			CCCL LLLL	02.88 N 101.53 E	290078	30
2131303553	09/17/78	154	20	18301	D	38.44	144.00	60	EEEE	NO			CCCL LLLL	57.05 N 093.50 E	290078	74
2131303555	09/17/78	154	21	18301	D	39.30	142.44	20	EEEE	NO			CCCL LLLL	55.67 N 092.65 E	290078	75
2131303562	09/17/78	154	22	18301	D	40.14	140.89	30	EEEE	NO			CCCL LLLL	54.28 N 091.85 E	290078	76
2131305391	09/17/78	172	21	18302	D	39.29	142.44	20	EEEE	NO			CCCL LLLL	55.65 N 066.86 E	290078	77
2131305393	09/17/78	172	22	18302	D	40.13	140.89	10	EEEE	NO			CCCL LLLL	54.26 N 066.06 E	290078	78
2131305400	09/17/78	172	23	18302	D	40.95	139.35	20	EEEE	NO			CCCL LLLL	52.86 N 065.31 E	290078	79
2131305402	09/17/78	172	24	18302	D	41.75	137.80	10	EFEE	NO			CCCL LLLL	51.47 N 064.60 E	290078	80
2131309174	09/17/78	208	50	18304	D	50.83	091.58	60	EEEE	NO			CCCL LLLL	14.40 N 001.02 E	290078	81
2131309181	09/17/78	208	51	18304	D	50.61	089.75	NA	2222	NO			CCCL LLLL	12.96 N 000.67 E	0	0
2131314182	09/09/78	11	28	18307	D	44.62	131.65	10	EEEE	NO			CCCL LLLL	45.84 N 066.98 W	290077	741
2131314185	09/09/78	11	29	18307	D	45.30	130.03	10	EEEE	NO			CCCL LLLL	44.43 N 067.54 W	290077	742
2131316011	09/09/78	29	27	18308	D	43.91	133.25	90	FFEE	NO			CCCL LLLL	47.25 N 092.20 W	290078	31
2131316014	09/09/78	29	28	18308	D	44.61	131.65	90	PEEE	NO			CCCL LLLL	45.84 N 092.79 W	290078	32
2131316020	09/09/78	29	29	18308	D	45.28	130.05	90	PEEE	NO			CCCL LLLL	44.43 N 093.35 W	290078	33
2131316023	09/09/78	29	30	18308	D	45.93	128.42	90	FEFE	NO			CCCL LLLL	43.01 N 093.89 W	290078	34
2131316025	09/09/78	29	31	18308	D	46.55	126.76	80	FEFE	NO			CCCL LLLL	41.59 N 094.42 W	290078	35
2131316032	09/09/78	29	32	18308	D	47.14	125.07	80	EEEE	NO			CCCL LLLL	40.17 N 094.93 W	290078	36
2131317443	09/08/78	47	27	18309	D	43.88	133.28	10	EEEE	NO			CCCL LLLL	47.25 N 118.02 W	290077	638
2131317450	09/08/78	47	28	18309	D	44.58	131.69	10	EEFE	NO			CCCL LLLL	45.84 N 118.61 W	290077	639
2131317452	09/08/78	47	29	18309	D	45.27	130.08	10	EEEE	NO			CCCL LLLL	44.43 N 119.17 W	290077	640
2131317455	09/08/78	47	30	18309	D	45.92	128.44	10	EEFE	NO			CCCL LLLL	43.01 N 119.72 W	290077	641
2131317461	09/08/78	47	31	18309	D	46.53	126.79	10	EEEE	NO			CCCL LLLL	41.59 N 120.25 W	290077	642
2131317464	09/08/78	47	32	18309	D	47.12	125.12	0	EEFE	NO			CCCL LLLL	40.17 N 120.75 W	290077	643
2131317470	09/08/78	47	33	18309	D	47.67	123.41	0	EEFE	NO			CCCL LLLL	38.75 N 121.25 W	290077	644
2131317473	09/08/78	47	34	18309	D	48.19	121.68	10	FEFE	NO			CCCL LLLL	37.33 N 121.72 W	290077	645
2131319240	09/09/78	65	18	18310	D	36.47	147.32	20	EEPF	NO			CCCL LLLL	59.79 N 136.92 W	290078	37
2131319243	09/09/78	65	19	18310	D	37.36	145.73	40	EEEE	NO			CCCL LLLL	58.42 N 137.89 W	290078	38
2131323174	09/17/78	101	83	18312	D	27.12	055.62	NA	MMMM	NO			CCCL LLLL	33.03 S 142.67 E	0	0
2131402200	09/17/78	137	25	18314	D	42.28	136.55	10	EEFE	NO			CCCL LLLL	50.07 N 114.10 E	290077	779

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2131402330	09/17/78	137	56	18314	D	48.94	081.57	50	EEFE	NO		CCCL	LLLL	05.77 N	100.77 E	290077	760
2131404011	09/08/78	155	20	18315	D	38.13	144.25	NA	2666	NO		CCCL	LLLL	57.05 N	092.08 E		0
2131404014	09/08/78	155	21	18315	D	39.01	142.68	70	EEEE	NO		CCCL	LLLL	55.66 N	091.23 E	290077	646
2131404020	09/08/78	155	22	18315	D	39.85	141.15	70	EEEE	NO		CCCL	LLLL	54.27 N	090.43 E	290077	647
2131404023	09/08/78	155	23	18315	D	40.68	139.62	80	EEEE	NO		CCCL	LLLL	52.87 N	089.68 E	290077	648
2131405443	09/08/78	173	20	18316	D	38.11	144.26	60	EEEE	NO		CCCL	LLLL	57.06 N	066.25 E	290077	649
2131405445	09/08/78	173	21	18316	D	38.98	142.71	50	EEEE	NO		CCCL	LLLL	55.68 N	065.38 E	290077	650
2131405452	09/08/78	173	22	18316	D	39.82	141.19	30	EEEE	NO		CCCL	LLLL	54.28 N	064.60 E	290077	651
2131405454	09/08/78	173	23	18316	D	40.65	139.67	60	EEEE	NO		CCCL	LLLL	52.88 N	063.85 E	290077	652
2131405461	09/08/78	173	24	18316	D	41.45	138.13	40	EEEE	NO		CCCL	LLLL	51.47 N	063.15 E	290077	653
2131405463	09/08/78	173	25	18316	D	42.24	136.59	10	EEEE	NO		CCCL	LLLL	50.07 N	062.48 E	290077	654
2131407270	09/08/78	191	18	18317	D	36.32	147.41	60	EEEE	NO		CCCL	LLLL	59.78 N	042.34 E	290077	655
2131407272	09/08/78	191	19	18317	D	37.22	145.83	80	EEEE	NO		CCCL	LLLL	58.42 N	041.37 E	290077	656
2131407275	09/08/78	191	20	18317	D	38.10	144.27	90	EEEE	NO		CCCL	LLLL	57.04 N	040.46 E	290077	657
2131407281	09/08/78	191	21	18317	D	38.96	142.72	70	EEEE	NO		CCCL	LLLL	55.65 N	039.62 E	290077	658
2131407284	09/08/78	191	22	18317	D	39.81	141.19	NA	MMMM	NO		CCCL	LLLL	54.26 N	038.82 E	0	0
2131407290	09/08/78	191	23	18317	D	40.64	139.65	10	EEEE	NO		CCCL	LLLL	52.86 N	038.07 E	290077	659
2131407293	09/08/78	191	24	18317	D	41.45	138.12	10	EEEE	NO		CCCL	LLLL	51.46 N	037.36 E	290077	660
2131414262	09/09/78	12	33	18321	D	47.50	123.75	90	FFFF	NO		CCCL	LLLL	38.75 N	071.02 W	290078	39
2131416073	09/08/78	30	28	18322	D	44.35	132.03	NA	6666	NO		CCCL	LLLL	45.84 N	094.23 W	0	0
2131416075	09/08/78	30	29	18322	D	45.03	130.44	90	EEEE	NO		CCCL	LLLL	44.43 N	094.80 W	290077	661
2131416082	09/08/78	30	30	18322	D	45.68	128.83	70	EEEE	NO		CCCL	LLLL	43.01 N	095.34 W	290077	662
2131416084	09/08/78	30	31	18322	D	46.31	127.18	30	EEEE	NO		CCCL	LLLL	41.60 N	095.86 W	290077	663
2131416091	09/08/78	30	32	18322	D	46.91	125.51	30	EEEE	NO		CCCL	LLLL	40.17 N	096.36 W	290077	664
2131416093	09/08/78	30	33	18322	D	47.47	123.83	60	EEEE	NO		CCCL	LLLL	38.75 N	096.85 W	290077	665
2131416100	09/08/78	30	34	18322	D	48.00	122.11	50	EEEE	NO		CCCL	LLLL	37.33 N	097.33 W	290077	666
2131416102	09/08/78	30	35	18322	D	48.49	120.35	80	EEEE	NO		CCCL	LLLL	35.91 N	097.80 W	290077	667
2131416105	09/08/78	30	36	18322	D	48.95	118.56	80	EEEE	NO		CCCL	LLLL	34.49 N	098.27 W	290077	668
2131417495	09/08/78	48	26	18323	D	42.89	135.16	50	EEEE	NO		CCCL	LLLL	48.65 N	118.82 W	290077	669
2131417502	09/08/78	48	27	18323	D	43.63	133.59	10	EEEE	NO		CCCL	LLLL	47.24 N	119.43 W	290077	670
2131417504	09/08/78	48	28	18323	D	44.34	132.02	10	EEEE	NO		CCCL	LLLL	45.83 N	120.02 W	290077	671
2131417511	09/08/78	48	29	18323	D	45.02	130.44	10	EEEE	NO		CCCL	LLLL	44.42 N	120.59 W	290077	672
2131417513	09/08/78	48	30	18323	D	45.68	128.83	0	EEEE	NO		CCCL	LLLL	43.00 N	121.13 W	290077	673
2131417520	09/08/78	48	31	18323	D	46.31	127.19	0	EEEE	NO		CCCL	LLLL	41.59 N	121.66 W	290077	674
2131417522	09/08/78	48	32	18323	D	46.90	125.52	0	EEEE	NO		CCCL	LLLL	40.17 N	122.17 W	290077	675
2131417525	09/08/78	48	33	18323	D	47.46	123.83	10	EEEE	NO		CCCL	LLLL	38.75 N	122.67 W	290077	676
2131417531	09/08/78	48	34	18323	D	47.99	122.12	50	EEEE	NO		CCCL	LLLL	37.33 N	123.14 W	290077	677
2131419295	09/09/78	66	18	18324	D	36.15	147.55	0	EEEE	NO		CCCL	LLLL	59.80 N	138.35 W	290077	743
2131419301	09/09/78	66	19	18324	D	37.05	145.96	10	EEEE	NO		CCCL	LLLL	58.42 N	139.33 W	290077	744
2131421095	09/17/78	84	10	18325	D	28.39	162.98	80	EEPE	NO		CCCL	LLLL	70.47 N	152.52 W	290077	781

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2131421101	09/17/78	84	11	18325	D	29.40	160.59	70	EEPF	NO		CCCL LLLL	69.18 N	154.55 W	290077	782
2131421104	09/17/78	84	12	18325	D	30.40	158.39	80	EEFE	NO		CCCL LLLL	67.88 N	156.35 W	290077	783
2131421110	09/17/78	84	13	18325	D	31.39	156.34	70	EEFF	NO		CCCL LLLL	66.55 N	157.97 W	290077	784
2131505502	09/17/78	174	20	18330	D	37.81	144.50	60	2EEE	NO		CCCL LLLL	57.03 N	064.85 E	290077	785
2131505504	09/17/78	174	21	18330	D	38.68	142.97	60	FFFE	NO		CCCL LLLL	55.65 N	064.00 E	290077	786
2131505511	09/17/78	174	22	18330	D	39.53	141.45	10	EEEE	NO		CCCL LLLL	54.26 N	063.20 E	290077	787
2131505513	09/17/78	174	23	18330	D	40.36	139.93	0	FEFE	NO		CCCL LLLL	52.86 N	062.45 E	290077	788
2131505520	09/17/78	174	24	18330	D	41.18	138.42	0	EEFE	NO		CCCL LLLL	51.47 N	061.73 E	290077	789
2131505522	09/17/78	174	25	18330	D	41.97	136.89	10	EEEE	NO		CCCL LLLL	50.07 N	061.04 E	290077	790
2131512473	09/17/78	246	30	18334	D	45.49	129.15	70	FEFE	NO		CCCL HHLL	43.01 N	045.13 W	290077	791
2131512480	09/17/78	246	31	18334	D	46.12	127.52	60	EEEE	NO		CCCL HHLL	41.59 N	045.65 W	290077	792
2131512482	09/17/78	246	32	18334	D	46.73	125.86	30	FFFF	NO		CCCL HHLL	40.17 N	046.16 W	290077	793
2131514320	09/09/78	13	33	18335	D	47.28	124.22	10	EEEE	NO		CCCL LLLL	38.75 N	072.47 W	290077	745
2131516122	09/08/78	31	26	18336	D	42.62	135.48	NA	M666	NO		CCCL LLLL	48.66 N	094.45 W	0	0
2131516125	09/08/78	31	27	18336	D	43.37	133.95	20	6EEE	NO		CCCL LLLL	47.25 N	095.06 W	290077	678
2131516131	09/08/78	31	28	18336	D	44.09	132.38	20	EEEE	NO		CCCL LLLL	45.84 N	095.65 W	290077	679
2131516134	09/08/78	31	29	18336	D	44.79	130.80	10	EEEE	NO		CCCL LLLL	44.43 N	096.22 W	290077	680
2131516140	09/08/78	31	30	18336	D	45.45	129.20	20	EEEE	NO		CCCL LLLL	43.01 N	096.77 W	290077	681
2131516143	09/08/78	31	31	18336	D	46.08	127.58	20	EEEE	NO		CCCL LLLL	41.59 N	097.29 W	290077	682
2131516145	09/08/78	31	32	18336	D	46.69	125.93	20	EEEE	NO		CCCL LLLL	40.17 N	097.80 W	290077	683
2131516152	09/08/78	31	33	18336	D	47.27	124.25	10	EEEE	NO		CCCL LLLL	38.75 N	098.28 W	290077	684
2131516154	09/08/78	31	34	18336	D	47.80	122.54	10	EEEE	NO		CCCL LLLL	37.33 N	098.76 W	290077	685
2131516161	09/08/78	31	35	18336	D	48.31	120.80	30	EEEE	NO		CCCL LLLL	35.90 N	099.22 W	290077	686
2131516163	09/08/78	31	36	18336	D	48.78	119.04	30	EEEE	NO		CCCL LLLL	34.48 N	099.66 W	290077	687
2131516170	09/08/78	31	37	18336	D	49.21	117.25	50	EEEE	NO		CCCL LLLL	33.05 N	100.10 W	290077	688
2131517554	09/08/78	49	26	18337	D	42.61	135.50	20	EFEE	NO		CCCL LLLL	48.66 N	120.27 W	290077	703
2131517560	09/08/78	49	27	18337	D	43.35	133.97	10	EEEE	NO		CCCL LLLL	47.25 N	120.88 W	290077	704
2131517563	09/08/78	49	28	18337	D	44.07	132.41	10	EEEE	NO		CCCL LLLL	45.84 N	121.47 W	290077	705
2131517570	09/08/78	49	29	18337	D	44.77	130.82	10	EEEE	NO		CCCL LLLL	44.42 N	122.04 W	290077	706
2131517572	09/08/78	49	30	18337	D	45.44	129.22	10	EEFE	NO		CCCL LLLL	43.01 N	122.58 W	290077	707
2131517574	09/08/78	49	31	18337	D	46.07	127.60	10	EEEE	NO		CCCL LLLL	41.59 N	123.10 W	290077	708
2131517581	09/08/78	49	32	18337	D	46.67	125.96	30	EEEE	NO		CCCL LLLL	40.17 N	123.61 W	290077	709
2131517583	09/08/78	49	33	18337	D	47.25	124.27	80	EEFF	NO		CCCL LLLL	38.75 N	124.09 W	290077	710
2131519354	09/09/78	67	18	18338	D	35.84	147.76	80	FFFF	NO		CCCL LLLL	59.79 N	139.78 W	290077	746
2131519360	09/09/78	67	19	18338	D	36.75	146.18	70	EEEE	NO		CCCL LLLL	58.41 N	140.75 W	290077	747
2131600493	09/17/78	121	28	18341	D	44.00	132.51	40	EEEE	NO		CCCL LLLL	45.84 N	135.23 E	290077	794
2131602311	09/17/78	139	24	18342	D	40.93	138.66	10	EEEE	NO		CCCL LLLL	51.47 N	111.92 E	290077	795
2131604122	09/17/78	157	19	18343	D	36.63	146.26	NA	MMMM	NO		CCCL LLLL	58.41 N	090.14 E	0	0
2131604125	09/17/78	157	20	18343	D	37.53	144.72	NA	FF22	NO		CCCL LLLL	57.03 N	089.23 E	290077	796
2131604131	09/17/78	157	21	18343	D	38.40	143.20	80	EEEE	NO		CCCL LLLL	55.65 N	088.38 E	290077	797

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131604134	09/17/78	157	22	18343	D	39.26	141.69	80	EEEE	NO		CCCL	LLLL	54.26 N	087.59 E	290077	798
2131604140	09/17/78	157	23	18343	D	40.10	140.19	90	EEEE	NO		CCCL	LLLL	52.86 N	086.84 E	290077	799
2131604143	09/17/78	157	24	18343	D	40.92	138.68	80	EEEE	NO		CCCL	LLLL	51.46 N	086.12 E	290077	800
2131604145	09/17/78	157	25	18343	D	41.72	137.16	70	EEEE	NO		CCCL	LLLL	50.07 N	085.43 E	290077	801
2131604152	09/17/78	157	26	18343	D	42.49	135.63	30	EEEE	NO		CCCL	LLLL	48.67 N	084.78 E	290077	802
2131604154	09/17/78	157	27	18343	D	43.24	134.10	10	EEEE	NO		CCCL	LLLL	47.26 N	084.16 E	290077	803
2131605554	09/30/78	175	19	18344	D	36.60	146.30	80	EEEE	NO		CCCL	LLLL	58.43 N	064.29 E	290078	464
2131605560	09/30/78	175	20	18344	D	37.49	144.77	80	EEEE	NO		CCCL	LLLL	57.05 N	063.39 E	290078	465
2131605563	09/30/78	175	21	18344	D	38.37	143.25	70	EEFE	NO		CCCL	LLLL	55.66 N	062.54 E	290078	466
2131605565	09/30/78	175	22	18344	D	39.23	141.73	40	EEFE	NO		CCCL	LLLL	54.27 N	061.75 E	290078	467
2131605572	09/30/78	175	23	18344	D	40.07	140.22	50	EEFE	NO		CCCL	LLLL	52.88 N	061.00 E	290078	468
2131605574	09/30/78	175	24	18344	D	40.88	138.72	10	FEFF	NO		CCCL	LLLL	51.48 N	060.27 E	290078	469
2131605581	09/30/78	175	25	18344	D	41.68	137.22	10	EEFE	NO		CCCL	LLLL	50.08 N	059.59 E	290078	470
2131607383	09/30/78	193	18	18345	D	35.68	147.87	90	FFEE	NO		CCCL	LLLL	59.79 N	039.47 E	290078	471
2131607385	09/30/78	193	19	18345	D	36.59	146.30	50	EEFE	NO		CCCL	LLLL	58.41 N	038.50 E	290078	472
2131607392	09/30/78	193	20	18345	D	37.48	144.76	20	EEFE	NO		CCCL	LLLL	57.04 N	037.59 E	290078	473
2131607394	09/30/78	193	21	18345	D	38.35	143.25	20	EEEE	NO		CCCL	LLLL	55.65 N	036.75 E	290078	474
2131607401	09/30/78	193	22	18345	D	39.21	141.73	20	EEFE	NO		CCCL	LLLL	54.26 N	035.94 E	290078	475
2131607403	09/30/78	193	23	18345	D	40.06	140.23	10	EEEE	NO		CCCL	LLLL	52.87 N	035.19 E	290078	476
2131607410	09/30/78	193	24	18345	D	40.87	138.72	10	EEFE	NO		CCCL	LLLL	51.47 N	034.48 E	290078	477
2131612532	09/30/78	247	30	18348	D	45.25	129.53	30	FFFF	NO		CCCL	HHLL	43.01 N	046.55 W	290078	478
2131612534	09/30/78	247	31	18348	D	45.89	127.92	20	EEFE	NO		CCCL	HHLL	41.59 N	047.08 W	290078	479
2131612541	09/30/78	247	32	18348	D	46.50	126.28	20	EEFF	NO		CCCL	HHLL	40.17 N	047.59 W	290078	480
2131614354	09/17/78	14	28	18349	D	43.85	132.71	NA	E222	NO		CCCL	LLLL	45.84 N	071.27 W	290077	804
2131614361	09/17/78	14	29	18349	D	44.55	131.14	NA	E2P2	NO		CCCL	LLLL	44.42 N	071.83 W	290077	805
2131614363	09/17/78	14	30	18349	D	45.22	129.56	NA	P222	NO		CCCL	LLLL	43.01 N	072.37 W	290077	806
2131614411	09/17/78	14	41	18349	D	50.40	110.41	NA	2P22	NO		CCCL	HHLL	27.33 N	077.38 W	290077	807
2131614413	09/17/78	14	42	18349	D	50.64	108.53	NA	F2F2	NO		CCCL	HHLL	25.90 N	077.77 W	290077	808
2131614420	09/17/78	14	43	18349	D	50.83	106.65	NA	22F2	NO		CCCL	HHLL	24.46 N	078.16 W	290077	809
2131616181	09/08/78	32	26	18350	D	42.35	135.81	10	FFEE	NO		CCCL	LLLL	48.66 N	095.89 W	290077	711
2131616184	09/08/78	32	27	18350	D	43.10	134.29	20	FFFE	NO		CCCL	LLLL	47.25 N	096.50 W	290077	712
2131616190	09/08/78	32	28	18350	D	43.83	132.75	60	EEEE	NO		CCCL	LLLL	45.84 N	097.09 W	290077	713
2131616193	09/08/78	32	29	18350	D	44.53	131.17	50	EEEE	NO		CCCL	LLLL	44.43 N	097.66 W	290077	714
2131616195	09/08/78	32	30	18350	D	45.21	129.59	0	EEEE	NO		CCCL	LLLL	43.01 N	098.20 W	290077	715
2131616202	09/08/78	32	31	18350	D	45.85	127.98	20	EEEE	NO		CCCL	LLLL	41.59 N	098.72 W	290077	716
2131616204	09/08/78	32	32	18350	D	46.47	126.35	40	EEEE	NO		CCCL	LLLL	40.17 N	099.22 W	290077	717
2131616211	09/08/78	32	33	18350	D	47.05	124.68	60	EEEE	NO		CCCL	LLLL	38.75 N	099.71 W	290077	718
2131616213	09/08/78	32	34	18350	D	47.60	123.00	70	EEEE	NO		CCCL	LLLL	37.33 N	100.19 W	290077	719
2131618013	09/08/78	50	26	18351	D	42.33	135.84	90	EEEE	NO		CCCL	LLLL	48.66 N	121.71 W	290077	720
2131618015	09/08/78	50	27	18351	D	43.08	134.32	80	EEEE	NO		CCCL	LLLL	47.25 N	122.32 W	290077	721

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM	CCM QLTY	MODE	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131618022	09/08/78	50	28	18351	D	43.81	132.77	90	EEFE	NO		CCCL	LLLL	45.84 N	122.90 W	290077	722
2131618024	09/08/78	50	29	18351	D	44.51	131.21	90	EEEE	NO		CCCL	LLLL	44.42 N	123.46 W	290077	723
2131618031	09/08/78	50	30	18351	D	45.19	129.62	80	EEEE	NO		CCCL	LLLL	43.00 N	124.00 W	290077	724
2131621212	09/09/78	86	10	18353	D	27.69	163.26	10	EEEE	NO		CCCL	LLLL	70.48 N	155.39 W	290077	748
2131621214	09/09/78	86	11	18353	D	28.70	160.91	20	EEEE	NO		CCCL	LLLL	69.19 N	157.42 W	290077	749
2131621221	09/09/78	86	12	18353	D	29.70	158.73	20	EEFE	NO		CCCL	LLLL	67.89 N	159.22 W	290077	750
2131621223	09/09/78	86	13	18353	D	30.70	156.70	60	EEPE	NO		CCCL	LLLL	66.57 N	160.84 W	290077	751
2131621230	09/09/78	86	14	18353	D	31.68	154.79	50	EEFE	NO		CCCL	LLLL	65.23 N	162.31 W	290077	752
2131700552	09/30/78	122	28	18355	D	43.74	132.87	10	EEFE	NO		CCCL	LLLL	45.85 N	133.78 E	290078	481
2131700555	09/30/78	122	29	18355	D	44.44	131.31	10	FFFE	NO		CCCL	LLLL	44.43 N	133.21 E	290078	482
2131700561	09/30/78	122	30	18355	D	45.12	129.75	30	EEFE	NO		CCCL	LLLL	43.01 N	132.68 E	290078	483
2131702370	09/30/78	140	24	18356	D	40.65	138.95	60	EEFE	NO		CCCL	LLLL	51.45 N	110.52 E	290078	484
2131702470	09/30/78	140	48	18356	D	51.08	097.45	80	FEFE	NO		CCCL	LLLL	17.27 N	099.27 E	290078	485
2131702472	09/30/78	140	49	18356	D	51.01	095.57	80	EEFE	NO		CCCL	LLLL	15.84 N	098.91 E	290078	486
2131702475	09/09/78	140	50	18356	D	50.88	093.71	100	EEFE	NO		CCCL	LLLL	14.40 N	098.56 E	290077	753
2131704190	09/09/78	158	21	18357	D	38.08	143.47	80	EEFE	NO		CCCL	LLLL	55.66 N	086.93 E	290077	754
2131704192	09/09/78	158	22	18357	D	38.95	141.97	80	EEFE	NO		CCCL	LLLL	54.26 N	086.14 E	290077	755
2131704195	09/09/78	158	23	18357	D	39.79	140.48	50	EEFE	NO		CCCL	LLLL	52.87 N	085.39 E	290077	756
2131704201	09/09/78	158	24	18357	D	40.62	139.00	40	EEFE	NO		CCCL	LLLL	51.47 N	084.68 E	290077	757
2131704204	09/09/78	158	25	18357	D	41.42	137.50	10	EEFE	NO		CCCL	LLLL	50.07 N	084.00 E	290077	758
2131704210	09/09/78	158	26	18357	D	42.20	136.00	0	EEPE	NO		CCCL	LLLL	48.66 N	083.36 E	290077	759
2131704213	09/09/78	158	27	18357	D	42.96	134.47	10	EEPE	NO		CCCL	LLLL	47.25 N	082.75 E	290077	760
2131714470	09/09/78	15	41	18363	D	50.29	110.92	50	FPFE	NO		CCCL	HHLL	27.33 N	078.80 W	290078	40
2131714472	09/09/78	15	42	18363	D	50.53	109.07	20	E2EE	NO		CCCL	HHLL	25.89 N	079.20 W	290078	41
2131714475	09/09/78	15	43	18363	D	50.73	107.20	20	E2EE	NO		CCCL	HHLL	24.46 N	079.58 W	290078	42
2131716233	09/08/78	33	25	18364	D	41.27	137.66	10	EEEE	NO		CCCL	LLLL	50.07 N	096.70 W	290077	725
2131716240	09/08/78	33	26	18364	D	42.06	136.15	10	EEEE	NO		CCCL	LLLL	48.67 N	097.35 W	290077	726
2131716242	09/08/78	33	27	18364	D	42.83	134.64	10	EEEE	NO		CCCL	LLLL	47.26 N	097.96 W	290077	727
2131716245	09/08/78	33	28	18364	D	43.56	133.11	10	EEEE	NO		CCCL	LLLL	45.84 N	098.53 W	290077	728
2131716251	09/08/78	33	29	18364	D	44.27	131.57	10	FEFE	NO		CCCL	LLLL	44.43 N	099.10 W	290077	729
2131716254	09/08/78	33	30	18364	D	44.95	130.00	10	EEEE	NO		CCCL	LLLL	43.01 N	099.64 W	290077	730
2131716260	09/08/78	33	31	18364	D	45.61	128.40	0	EEEE	NO		CCCL	LLLL	41.59 N	100.16 W	290077	731
2131716263	09/08/78	33	32	18364	D	46.24	126.77	10	EEEE	NO		CCCL	LLLL	40.18 N	100.67 W	290077	732
2131716265	09/08/78	33	33	18364	D	46.83	125.12	0	EEEE	NO		CCCL	LLLL	38.76 N	101.17 W	290077	733
2131716272	09/08/78	33	34	18364	D	47.39	123.44	10	EEEE	NO		CCCL	LLLL	37.33 N	101.64 W	290077	734
2131716274	09/08/78	33	35	18364	D	47.92	121.75	0	EEEE	NO		CCCL	LLLL	35.91 N	102.10 W	290077	735
2131716281	09/08/78	33	36	18364	D	48.41	120.02	10	EEEE	NO		CCCL	LLLL	34.48 N	102.54 W	290077	736
2131716283	09/08/78	33	37	18364	D	48.86	118.26	10	EEEE	NO		CCCL	LLLL	33.05 N	102.98 W	290077	737
2131716290	09/08/78	33	38	18364	D	49.28	116.47	50	EEEE	NO		CCCL	LLLL	31.62 N	103.41 W	290077	738
2131716292	09/08/78	33	39	18364	D	49.65	114.66	90	EEEE	NO		CCCL	LLLL	30.19 N	103.82 W	290077	739

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131716295	09/08/78	33	40	18364	D	49.98	112.84	90	EEEE	NO		CCCL	LLLL	28.76 N	104.22 W	290077	740
2131718051	09/08/78	51	21	18365	D	37.90	143.64	70	EEFE	NO		CCCL	LLLL	55.67 N	119.59 W	290078	53
2131806071	09/17/78	177	19	18372	D	35.96	146.77	70	EEEE	NO		CCCL	LLLL	58.42 N	061.44 E	290078	209
2131806074	09/24/78	177	20	18372	D	36.86	145.25	30	EEEE	NO		CCCL	LLLL	57.04 N	060.54 E	290078	261
2131806080	09/24/78	177	21	18372	D	37.75	143.75	30	EEEE	NO		CCCL	LLLL	55.66 N	059.68 E	290078	262
2131806083	09/24/78	177	22	18372	D	38.62	142.27	40	EEEE	NO		CCCL	LLLL	54.27 N	058.88 E	290078	263
2131806085	09/24/78	177	23	18372	D	39.47	140.80	20	EEFE	NO		CCCL	LLLL	52.87 N	058.13 E	290078	264
2131806092	09/24/78	177	24	18372	D	40.30	139.32	40	EEEE	NO		CCCL	LLLL	51.47 N	057.42 E	290078	265
2131806094	09/24/78	177	25	18372	D	41.11	137.84	80	EEEE	NO		CCCL	LLLL	50.07 N	056.75 E	290078	266
2131807503	09/24/78	195	19	18373	D	35.95	146.76	60	EEEE	NO		CCCL	LLLL	58.41 N	035.64 E	290078	267
2131807505	09/24/78	195	20	18373	D	36.86	145.25	40	EEEE	NO		CCCL	LLLL	57.03 N	034.73 E	290078	268
2131807512	09/17/78	195	21	18373	D	37.74	143.75	60	EEEE	NO		CCCL	LLLL	55.64 N	033.88 E	290078	99
2131807514	09/17/78	195	22	18373	D	38.61	142.27	50	EEEE	NO		CCCL	LLLL	54.25 N	033.09 E	290078	100
2131807521	09/17/78	195	23	18373	D	39.46	140.80	40	EEEE	NO		CCCL	LLLL	52.86 N	032.33 E	290078	101
2131807523	09/17/78	195	24	18373	D	40.29	139.33	50	EEFE	NO		CCCL	LLLL	51.47 N	031.61 E	290078	102
2131808044	09/17/78	195	53	18373	D	50.31	089.00	20	EEFE	NO		CCCL	LLLL	10.08 N	018.63 E	290078	103
2131808050	09/17/78	195	54	18373	D	50.03	087.25	60	EEFE	NO		CCCL	LLLL	08.64 N	018.28 E	290078	104
2131808053	09/17/78	195	55	18373	D	49.71	085.52	70	EEFE	NO		CCCL	LLLL	07.20 N	017.94 E	290078	105
2131808055	09/17/78	195	56	18373	D	49.34	083.84	70	EEFE	NO		CCCL	LLLL	05.76 N	017.60 E	290078	106
2131808062	09/17/78	195	57	18373	D	48.93	082.20	70	EEFE	NO		CCCL	LLLL	04.32 N	017.26 E	290078	107
2131808064	09/17/78	195	58	18373	D	48.49	080.60	80	EEFE	NO		CCCL	LLLL	02.88 N	016.92 E	290078	108
2131808071	09/17/78	195	59	18373	D	48.01	079.05	80	EEFE	NO		CCCL	LLLL	01.44 N	016.59 E	290078	109
2131808073	09/17/78	195	60	18373	D	47.49	077.54	70	EEFE	NO		CCCL	LLLL	00.00 N	016.25 E	290078	110
2131808080	09/17/78	195	61	18373	D	46.93	076.08	30	EEFE	NO		CCCL	LLLL	01.43 S	015.91 E	290078	111
2131808082	09/17/78	195	62	18373	D	46.34	074.68	50	EFPE	NO		CCCL	LLLL	02.87 S	015.58 E	290078	112
2131808085	09/17/78	195	63	18373	D	45.72	073.33	80	EFPE	NO		CCCL	LLLL	04.32 S	015.25 E	290078	113
2131808091	09/17/78	195	64	18373	D	45.07	072.02	70	EEFE	NO		CCCL	LLLL	05.76 S	014.90 E	290078	114
2131813045	09/17/78	249	30	18376	D	44.74	130.33	70	EEFE	NO		CCCL	HHLL	43.01 N	049.43 W	290078	115
2131813052	09/17/78	249	31	18376	D	45.40	128.75	50	EEFE	NO		CCCL	HHLL	41.59 N	049.96 W	290078	116
2131813054	09/17/78	249	32	18376	D	46.04	127.15	30	EEFE	NO		CCCL	HHLL	40.17 N	050.46 W	290078	117
2131902483	09/17/78	142	24	18384	D	40.06	139.56	40	EEFE	NO		CCCL	LLLL	51.46 N	107.65 E	290078	118
2131904303	09/17/78	160	21	18385	D	37.45	144.01	90	EEFE	NO		CCCL	LLLL	55.67 N	084.05 E	290078	119
2131904310	09/17/78	160	22	18385	D	38.32	142.54	90	EEFE	NO		CCCL	LLLL	54.27 N	083.25 E	290078	120
2131904312	09/17/78	160	23	18385	D	39.18	141.08	70	EEFE	NO		CCCL	LLLL	52.88 N	082.50 E	290078	121
2131904315	09/17/78	160	24	18385	D	40.02	139.61	20	EEFE	NO		CCCL	LLLL	51.49 N	081.78 E	290078	122
2131904321	09/17/78	160	25	18385	D	40.84	138.14	0	EFPE	NO		CCCL	LLLL	50.08 N	081.10 E	290078	123
2131904324	09/17/78	160	26	18385	D	41.64	136.66	0	EEFE	NO		CCCL	LLLL	48.67 N	080.46 E	290078	124
2131904330	09/17/78	160	27	18385	D	42.41	135.17	0	EFPE	NO		CCCL	LLLL	47.27 N	079.85 E	290078	125
2131906135	09/17/78	178	21	18386	D	37.44	144.01	50	EEFE	NO		CCCL	LLLL	55.65 N	058.26 E	290078	126
2131906142	09/17/78	178	22	18386	D	38.32	142.53	20	EEEE	NO		CCCL	LLLL	54.26 N	057.47 E	290078	127

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2131906144	09/17/78	178	23	18386	D	39.17	141.08	10	EEFE	NO			CCCL LLLL	52.86 N 056.72 E	290078	128
2131906150	09/17/78	178	24	18386	D	40.01	139.61	10	EEEE	NO			CCCL LLLL	51.46 N 056.01 E	290078	129
2131906153	09/17/78	178	25	18386	D	40.83	138.15	10	EEFE	NO			CCCL LLLL	50.06 N 055.33 E	290078	130
2131908123	09/17/78	196	56	18387	D	48.61	081.15	90	EEFE	NO			CCCL LLLL	02.88 N 015.48 E	290078	131
2131908130	09/17/78	196	59	18387	D	48.14	079.58	70	EEEE	NO			CCCL LLLL	01.44 N 015.15 E	290078	132
2131908132	09/17/78	196	60	18387	D	47.64	078.06	40	EEEE	NO			CCCL LLLL	00.00 N 014.81 F	290078	133
2131908135	09/17/78	196	61	18387	D	47.09	076.59	20	EEEE	NO			CCCL LLLL	01.43 S 014.47 E	290078	134
2131908141	09/17/78	196	62	18387	D	46.51	075.17	70	EEEE	NO			CCCL LLLL	02.87 S 014.14 E	290078	135
2131908144	09/17/78	196	63	18387	D	45.90	073.80	90	FFFF	NO			CCCL LLLL	04.31 S 013.80 E	290078	136
2131908150	09/17/78	196	64	18387	D	45.27	072.48	100	EEFF	NO			CCCL LLLL	05.75 S 013.46 E	290078	137
2131908153	09/17/78	196	65	18387	D	44.60	071.22	NA	MMMM	NO			CCCL LLLL	07.20 S 013.12 F	0	0
2131914533	09/24/78	17	29	18391	D	43.76	132.31	10	EEEE	NO			CCCL LLLL	44.43 N 076.16 W	290078	269
2131914540	09/24/78	17	30	18391	D	44.46	130.77	10	EEEE	NO			CCCL LLLL	43.02 N 076.70 W	290078	270
2131914542	09/24/78	17	31	18391	D	45.14	129.20	10	EEEE	NO			CCCL LLLL	41.60 N 077.23 W	290078	271
2131914545	09/24/78	17	32	18391	D	45.79	127.60	10	EEEE	NO			CCCL LLLL	40.18 N 077.75 W	290078	272
2131914551	09/24/78	17	33	18391	D	46.40	126.00	10	EEEE	NO			CCCL LLLL	38.76 N 078.22 W	290078	273
2131914554	09/24/78	17	34	18391	D	46.97	124.36	50	EEEE	NO			CCCL LLLL	37.33 N 078.69 W	290078	274
2131914560	09/24/78	17	35	18391	D	47.52	122.67	70	EEEE	NO			CCCL LLLL	35.91 N 079.15 W	290078	275
2131914563	09/24/78	17	36	18391	D	48.04	120.97	70	EEEE	NO			CCCL LLLL	34.48 N 079.59 W	290078	276
2131914565	09/24/78	17	37	18391	D	48.51	119.25	80	EEEE	NO			CCCL LLLL	33.05 N 080.03 W	290078	277
2131914572	09/24/78	17	38	18391	D	48.96	117.46	60	EEEE	NO			CCCL LLLL	31.63 N 080.46 W	290078	278
2131914574	09/24/78	17	39	18391	D	49.36	115.67	50	EEEE	NO			CCCL LLLL	30.20 N 080.88 W	290078	279
2131914581	09/24/78	17	40	18391	D	49.72	113.86	30	EEEE	NO			CCCL LLLL	28.76 N 081.29 W	290078	280
2131914583	09/24/78	17	41	18391	D	50.03	112.04	40	EEEE	NO			CCCL LLLL	27.33 N 081.69 W	290078	281
2131914590	09/24/78	17	42	18391	D	50.31	110.20	40	EEEE	NO			CCCL LLLL	25.90 N 082.08 W	290078	282
2132002571	09/24/78	143	31	18398	D	45.03	129.38	50	EEEE	NO			CCCL LLLL	41.60 N 102.04 E	290078	283
2132004360	09/24/78	161	20	18399	D	36.24	145.75	50	EEEE	NO			CCCL LLLL	57.05 N 083.46 E	290078	284
2132004362	09/24/78	161	21	18399	D	37.14	144.27	50	EEEE	NO			CCCL LLLL	55.66 N 082.62 E	290078	285
2132004365	09/24/78	161	22	18399	D	38.02	142.81	90	EEEE	NO			CCCL LLLL	54.27 N 081.83 E	290078	286
2132004371	09/24/78	161	23	18399	D	38.88	141.36	50	EEEE	NO			CCCL LLLL	52.87 N 081.08 E	290078	287
2132004374	09/24/78	161	24	18399	D	39.73	139.90	40	EEEE	NO			CCCL LLLL	51.47 N 080.38 E	290078	288
2132004380	09/24/78	161	25	18399	D	40.55	138.45	20	EEEE	NO			CCCL LLLL	50.06 N 079.70 E	290078	289
2132004383	09/24/78	161	26	18399	D	41.36	136.98	20	EEEE	NO			CCCL LLLL	48.66 N 079.05 E	290078	290
2132004385	09/24/78	161	27	18399	D	42.14	135.51	20	EEEE	NO			CCCL LLLL	47.26 N 078.43 E	290078	291
2132004392	09/24/78	161	28	18399	D	42.89	134.02	50	EEEE	NO			CCCL LLLL	45.85 N 077.84 E	290078	292
2132004394	09/24/78	161	29	18399	D	43.62	132.51	80	EEEE	NO			CCCL LLLL	44.43 N 077.28 E	290078	293
2132006191	09/17/78	179	20	18400	D	36.23	145.75	40	EEEE	NO			CCCL LLLL	57.04 N 057.66 E	290078	210
2132006194	09/17/78	179	21	18400	D	37.12	144.28	20	EEEE	NO			CCCL LLLL	55.65 N 056.82 E	290078	211
2132006200	09/17/78	179	22	18400	D	38.00	142.83	10	EEEE	NO			CCCL LLLL	54.26 N 056.03 E	290078	212
2132006203	09/17/78	179	23	18400	D	38.86	141.38	10	EEEE	NO			CCCL LLLL	52.86 N 055.28 E	290078	213

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2132006205	09/30/78	179	24	18400	D	39.71	139.93	10	EEZE	NO			CCCL LLLL	51.47 N	054.56 E	290078	336
2132006212	09/30/78	179	25	18400	D	40.53	138.47	0	EEEE	NO			CCCL LLLL	50.07 N	053.88 E	290078	337
2132008020	09/30/78	197	19	18401	D	35.31	147.22	90	EEEE	NO			CCCL LLLL	58.40 N	032.78 E	290078	338
2132008023	09/30/78	197	20	18401	D	36.23	145.72	90	EEEE	NO			CCCL LLLL	57.02 N	031.88 E	290078	339
2132008025	09/30/78	197	21	18401	D	37.12	144.26	90	EEEE	NO			CCCL LLLL	55.63 N	031.03 E	290078	340
2132008032	09/30/78	197	22	18401	D	37.99	142.82	90	EEEE	NO			CCCL LLLL	54.24 N	030.25 E	290078	341
2132008034	09/30/78	197	23	18401	D	38.86	141.37	80	EEEE	NO			CCCL LLLL	52.85 N	029.48 E	290078	342
2132008041	09/30/78	197	24	18401	D	39.70	139.92	30	EEEE	NO			CCCL LLLL	51.45 N	028.77 E	290078	343
2132008161	09/30/78	197	53	18401	D	50.42	090.18	90	EEEE	NO			CCCL LLLL	10.08 N	015.76 E	290078	344
2132008164	09/30/78	197	54	18401	D	50.16	088.40	60	FEZE	NO			CCCL LLLL	08.64 N	015.41 E	290078	345
2132014594	09/24/78	18	30	18405	D	44.23	131.13	70	EEEE	NO			CCCL LLLL	43.01 N	078.11 W	290078	294
2132015001	09/24/78	18	31	18405	D	44.90	129.58	90	EEEE	NO			CCCL LLLL	41.59 N	078.63 W	290078	295
2132015003	09/24/78	18	32	18405	D	45.55	128.02	50	EEEE	NO			CCCL LLLL	40.17 N	079.14 W	290078	296
2132015010	09/24/78	18	33	18405	D	46.17	126.42	40	EEEE	NO			CCCL LLLL	38.75 N	079.64 W	290078	297
2132015012	09/24/78	18	34	18405	D	46.76	124.80	60	EEEE	NO			CCCL LLLL	37.33 N	080.11 W	290078	298
2132015015	09/24/78	18	35	18405	D	47.32	123.13	70	EEEE	NO			CCCL LLLL	35.90 N	080.56 W	290078	299
2132015021	09/24/78	18	36	18405	D	47.85	121.43	70	EEEE	NO			CCCL LLLL	34.47 N	081.00 W	290078	300
2132015024	09/24/78	18	37	18405	D	48.34	119.70	60	EEEE	NO			CCCL LLLL	33.04 N	081.43 W	290078	301
2132015030	09/24/78	18	38	18405	D	48.80	117.94	30	EEEE	NO			CCCL LLLL	31.61 N	081.86 W	290078	302
2132015033	09/24/78	18	39	18405	D	49.21	116.16	10	EEEE	NO			CCCL LLLL	30.18 N	082.27 W	290078	303
2132015035	09/24/78	18	40	18405	D	49.58	114.38	30	EEEE	NO			CCCL LLLL	28.75 N	082.68 W	290078	304
2132015042	09/24/78	18	41	18405	D	49.91	112.58	40	EEEE	NO			CCCL LLLL	27.32 N	083.08 W	290078	305
2132016405	09/24/78	36	25	18406	D	40.41	138.60	10	EEEE	NO			CCCL LLLL	50.07 N	101.00 W	290078	306
2132016412	09/24/78	36	26	18406	D	41.22	137.13	10	EEEE	NO			CCCL LLLL	48.66 N	101.64 W	290078	307
2132016414	09/24/78	36	27	18406	D	42.00	135.67	10	EEEE	NO			CCCL LLLL	47.25 N	102.25 W	290078	308
2132016421	09/24/78	36	28	18406	D	42.76	134.19	10	EEEE	NO			CCCL LLLL	45.84 N	102.84 W	290078	309
2132016423	09/24/78	36	29	18406	D	43.49	132.69	10	EEEE	NO			CCCL LLLL	44.43 N	103.40 W	290078	310
2132016430	09/24/78	36	30	18406	D	44.21	131.16	10	EEEE	NO			CCCL LLLL	43.01 N	103.94 W	290078	311
2132016432	09/24/78	36	31	18406	D	44.89	129.61	10	EEEE	NO			CCCL LLLL	41.59 N	104.46 W	290078	312
2132016435	09/24/78	36	32	18406	D	45.54	128.04	10	EEEE	NO			CCCL LLLL	40.17 N	104.97 W	290078	313
2132016441	09/24/78	36	33	18406	D	46.16	126.44	10	EEEE	NO			CCCL LLLL	38.75 N	105.46 W	290078	314
2132016444	09/24/78	36	34	18406	D	46.75	124.81	10	EEEE	NO			CCCL LLLL	37.33 N	105.94 W	290078	315
2132016450	09/24/78	36	35	18406	D	47.31	123.15	10	EEEE	NO			CCCL LLLL	35.91 N	106.40 W	290078	316
2132016453	09/24/78	36	36	18406	D	47.84	121.46	50	EEEE	NO			CCCL LLLL	34.48 N	106.85 W	290078	317
2132016455	09/24/78	36	37	18406	D	48.33	119.75	50	EEEE	NO			CCCL LLLL	33.05 N	107.28 W	290078	318
2132016462	09/24/78	36	38	18406	D	48.78	118.01	10	EEEE	NO			CCCL LLLL	31.62 N	107.70 W	290078	319
2132101172	09/30/78	126	25	18411	D	40.31	138.71	10	FEZE	NO			CCCL LLLL	50.06 N	129.90 E	290078	346
2132101242	09/30/78	126	42	18411	D	50.14	111.04	NA	MMMM	NO			CCCL LLLL	25.90 N	121.55 E	0	0
2132101245	09/30/78	126	43	18411	D	50.39	109.18	20	FEZE	NO			CCCL LLLL	24.47 N	121.16 E	290078	347
2132101251	09/30/78	126	44	18411	D	50.60	107.31	30	FEZE	NO			CCCL LLLL	23.03 N	120.78 E	290078	348

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2132101254	09/30/78	126	45	18411	D	50.77	105.44	30	FE2E	NO			CCCL LLLL	21.59 N 120.41 E	290078	349
2132102594	09/17/78	144	23	18412	D	38.62	141.59	70	EEEE	NO			CCCL LLLL	52.84 N 105.51 E	290078	214
2132104423	09/17/78	162	22	18413	D	37.71	143.08	80	EFEE	NO			CCCL LLLL	54.26 N 080.41 E	290078	215
2132104430	09/17/78	162	23	18413	D	38.58	141.64	50	EEEE	NO			CCCL LLLL	52.87 N 079.65 E	290078	216
2132104432	09/17/78	162	24	18413	D	39.43	140.21	90	EEEE	NO			CCCL LLLL	51.47 N 078.94 E	290078	217
2132104435	09/17/78	162	25	18413	D	40.26	138.77	80	EEEE	NO			CCCL LLLL	50.07 N 078.26 E	290078	218
2132104441	09/17/78	162	26	18413	D	41.07	137.31	90	EEEE	NO			CCCL LLLL	48.66 N 077.61 E	290078	219
2132104482	09/17/78	162	36	18413	D	47.73	121.75	10	EEEE	NO			CCCL LLLL	34.48 N 072.41 E	290078	220
2132104485	09/17/78	162	37	18413	D	48.23	120.03	30	EEEE	NO			CCCL LLLL	33.05 N 071.97 E	290078	221
2132104491	09/17/78	162	38	18413	D	48.69	118.29	10	EEEE	NO			CCCL LLLL	31.62 N 071.54 E	290078	222
2132104494	09/17/78	162	39	18413	D	49.10	116.54	10	EEEE	NO			CCCL LLLL	30.19 N 071.13 E	290078	223
2132104500	09/17/78	162	40	18413	D	49.48	114.77	10	EEEE	NO			CCCL LLLL	28.76 N 070.72 E	290078	224
2132106252	09/30/78	180	21	18414	D	36.82	144.52	NA	6666	NO			CCCL LLLL	55.64 N 055.41 E	0	0
2132106255	09/30/78	180	22	18414	D	37.70	143.07	90	PF2E	NO			CCCL LLLL	54.25 N 054.61 E	290078	350
2132106261	09/30/78	180	23	18414	D	38.57	141.64	100	PE2F	NO			CCCL LLLL	52.86 N 053.86 E	290078	351
2132113315	09/30/78	1	53	18418	D	50.48	090.90	50	FE2E	NO			CCCL LLLL	10.08 N 063.09 W	290078	352
2132113321	09/30/78	1	54	18418	D	50.24	089.12	40	EE2E	NO			CCCL LLLL	08.64 N 063.44 W	290078	353
2132113324	09/30/78	1	55	18418	D	49.96	087.37	40	FE2E	NO			CCCL LLLL	07.20 N 063.78 W	290078	354
2132113330	09/30/78	1	56	18418	D	49.64	085.66	70	FE2E	NO			CCCL LLLL	05.76 N 064.12 W	290078	355
2132113333	09/30/78	1	57	18418	D	49.28	084.00	40	FE2E	NO			CCCL LLLL	04.32 N 064.46 W	290078	356
2132113335	09/30/78	1	58	18418	D	48.88	082.35	40	FE2E	NO			CCCL LLLL	02.88 N 064.79 W	290078	357
2132115060	09/30/78	19	31	18419	D	44.65	130.00	40	EEEE	NO			CCCL LLLL	41.59 N 080.07 W	290078	434
2132115062	09/30/78	19	32	18419	D	45.31	128.45	80	EEEE	NO			CCCL LLLL	40.17 N 080.57 W	290078	435
2132115064	09/30/78	19	33	18419	D	45.94	126.87	70	EEEE	NO			CCCL LLLL	38.75 N 081.06 W	290078	436
2132115071	09/30/78	19	34	18419	D	46.55	125.25	50	EEEE	NO			CCCL LLLL	37.32 N 081.53 W	290078	437
2132115073	09/30/78	19	35	18419	D	47.11	123.62	10	EEEE	NO			CCCL LLLL	35.90 N 082.00 W	290078	438
2132115080	09/30/78	19	36	18419	D	47.65	121.94	10	EEEE	NO			CCCL LLLL	34.47 N 082.44 W	290078	439
2132115083	09/30/78	19	37	18419	D	48.15	120.22	10	EEEE	NO			CCCL LLLL	33.05 N 082.89 W	290078	440
2132115085	09/30/78	19	38	18419	D	48.62	118.50	10	EEEE	NO			CCCL LLLL	31.62 N 083.32 W	290078	441
2132115092	09/30/78	19	39	18419	D	49.04	116.75	10	EEEE	NO			CCCL LLLL	30.19 N 083.73 W	290078	442
2132115094	09/30/78	19	40	18419	D	49.42	114.97	20	EEEE	NO			CCCL LLLL	28.76 N 084.15 W	290078	443
2132116462	09/30/78	37	24	18420	D	39.28	140.35	40	FE2E	NO			CCCL LLLL	51.48 N 101.77 W	290078	358
2132116464	09/30/78	37	25	18420	D	40.11	138.92	10	FE2E	NO			CCCL LLLL	50.08 N 102.44 W	290078	359
2132116471	09/30/78	37	26	18420	D	40.92	137.48	10	FE2E	NO			CCCL LLLL	48.67 N 103.08 W	290078	360
2132116473	09/30/78	37	27	18420	D	41.72	136.03	10	FE2E	NO			CCCL LLLL	47.26 N 103.69 W	290078	361
2132116480	09/30/78	37	28	18420	D	42.49	134.55	10	FE2E	NO			CCCL LLLL	45.85 N 104.28 W	290078	362
2132120075	09/30/78	73	12	18422	D	28.01	159.45	10	EEFE	NO			CCCL LLLL	67.86 N 140.55 W	290078	363
2132120081	09/30/78	73	13	18422	D	29.01	157.48	30	FEFE	NO			CCCL LLLL	66.54 N 142.18 W	290078	364
2132120084	09/30/78	73	14	18422	D	30.01	155.64	NA	MMMM	NO			CCCL LLLL	65.21 N 143.64 W	0	0
2132120090	09/30/78	73	15	18422	D	30.99	153.89	60	FEFE	NO			CCCL LLLL	63.86 N 144.98 W	290078	365

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132120093	09/30/78	73	16	18422	D	31.96	152.23	70	FE2E	NO	CCCL	LLLL	62.51 N	146.20 W	290078	366
132120095	09/30/78	73	17	18422	D	32.93	150.63	80	FE2E	NO	CCCL	LLLL	61.15 N	147.33 W	290078	367
132120102	09/30/78	73	18	18422	D	33.88	149.08	90	FF2E	NO	CCCL	LLLL	59.78 N	148.36 W	290078	368
132200010	09/30/78	109	76	18424	D	36.39	061.41	10	FE2E	NO	CCCL	LLLL	23.02 S	134.00 E	290078	369
132201224	09/30/78	127	24	18425	D	39.17	140.46	NA	2222	NO	CCCL	LLLL	51.47 N	129.14 E	0	0
132201230	09/30/78	127	25	18425	D	40.01	139.03	20	FE2E	NO	CCCL	LLLL	50.07 N	128.46 E	290078	370
132201233	09/30/78	127	26	18425	D	40.82	137.60	NA	MMMM	NO	CCCL	LLLL	48.66 N	127.81 E	0	0
132201235	09/30/78	127	27	18425	D	41.62	136.15	NA	MMMM	NO	CCCL	LLLL	47.26 N	127.19 E	0	0
132201242	09/30/78	127	28	18425	D	42.38	134.70	NA	2222	NO	CCCL	LLLL	45.85 N	126.60 E	0	0
132201244	09/30/78	127	29	18425	D	43.13	133.22	20	FE2E	NO	CCCL	LLLL	44.44 N	126.03 E	290078	371
132201251	09/30/78	127	30	18425	D	43.85	131.71	10	FE2E	NO	CCCL	LLLL	43.02 N	125.50 E	290078	372
132201253	09/30/78	127	31	18425	D	44.55	130.18	20	FE2E	NO	CCCL	LLLL	41.60 N	124.96 E	290078	373
132201260	09/30/78	127	32	18425	D	45.21	128.62	20	FE2E	NO	CCCL	LLLL	40.18 N	124.46 E	290078	374
132201283	09/30/78	127	38	18425	D	48.54	118.71	10	EF2E	NO	CCCL	LLLL	31.62 N	121.75 E	290078	375
132201285	09/30/78	127	39	18425	D	48.97	116.97	20	EEME	NO	CCCL	LLLL	30.19 N	121.33 E	290078	376
132201303	09/30/78	127	43	18425	D	50.29	109.76	40	EEPE	NO	CCCL	LLLL	24.46 N	119.73 E	290078	413
132201310	09/30/78	127	44	18425	D	50.51	107.91	30	EEFE	NO	CCCL	LLLL	23.03 N	119.35 E	290078	414
132203053	09/30/78	145	23	18426	D	38.30	141.90	50	FE2E	NO	CCCL	LLLL	52.86 N	104.04 E	290078	377
132204473	09/30/78	163	20	18427	D	35.59	146.23	60	FEFE	NO	CCCL	LLLL	57.05 N	080.60 E	290078	378
132204475	09/30/78	163	21	18427	D	36.51	144.78	10	FE2E	NO	CCCL	LLLL	55.66 N	079.75 E	290078	379
132204482	09/30/78	163	22	18427	D	37.40	143.35	10	FE2E	NO	CCCL	LLLL	54.27 N	078.96 E	290078	380
132204484	09/30/78	163	23	18427	D	38.27	141.93	30	FE2E	NO	CCCL	LLLL	52.87 N	078.20 E	290078	381
132204491	09/30/78	163	24	18427	D	39.13	140.50	10	FE2E	NO	CCCL	LLLL	51.48 N	077.50 E	290078	382
132204493	09/30/78	163	25	18427	D	39.96	139.08	30	EEFE	NO	CCCL	LLLL	50.07 N	076.81 E	290078	138
132204500	09/30/78	163	26	18427	D	40.77	137.65	10	EEFE	NO	CCCL	LLLL	48.67 N	076.18 E	290078	139
132204555	09/30/78	163	40	18427	D	49.34	115.30	0	FFFE	NO	CCCL	LLLL	28.76 N	069.28 E	290078	140
132204561	09/30/78	163	41	18427	D	49.69	113.51	0	FFFE	NO	CCCL	LLLL	27.33 N	068.88 E	290078	141
132204564	09/30/78	163	42	18427	D	50.00	111.68	20	FFFE	NO	CCCL	LLLL	25.90 N	068.50 E	290078	142
132204570	09/30/78	163	43	18427	D	50.27	109.84	40	FFFE	NO	CCCL	LLLL	24.46 N	068.10 E	290078	143
132206302	09/30/78	181	19	18428	D	34.67	147.69	100	FFFE	NO	CCCL	LLLL	58.41 N	055.72 E	290078	144
132206305	09/30/78	181	20	18428	D	35.59	146.22	100	FFFE	NO	CCCL	LLLL	57.03 N	054.81 E	290078	145
132206311	09/30/78	181	21	18428	D	36.50	144.78	90	FFFE	NO	CCCL	LLLL	55.64 N	053.97 E	290078	146
132206314	09/30/78	181	22	18428	D	37.39	143.35	90	FFFE	NO	CCCL	LLLL	54.25 N	053.17 E	290078	147
132206320	09/30/78	181	23	18428	D	38.26	141.93	60	FFFE	NO	CCCL	LLLL	52.86 N	052.42 E	290078	148
132206323	09/30/78	181	24	18428	D	39.11	140.51	70	FFFE	NO	CCCL	LLLL	51.46 N	051.70 E	290078	149
132206325	09/30/78	181	25	18428	D	39.95	139.09	20	EEFE	NO	CCCL	LLLL	50.06 N	051.03 E	290078	150
132206552	09/30/78	181	79	18428	D	33.68	059.50	0	EEEE	NO	CCCL	LLLL	27.32 S	029.60 E	290078	151
132206555	09/30/78	181	80	18428	D	32.72	058.91	0	EEEE	NO	CCCL	LLLL	28.75 S	029.19 E	290078	152
132206561	09/30/78	181	81	18428	D	31.75	058.38	10	EEEE	NO	CCCL	LLLL	30.18 S	028.78 E	290078	153
132210095	09/30/78	217	50	18430	D	50.91	096.89	10	EEEE	NO	CCCL	LLLL	14.40 N	011.86 W	290078	154

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	MODE QLTY	GAIN 4567	4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLN FRAME
2132213374	09/30/78	2	53	18432	D	50.52	091.50	30	FFEE	NO				CCCL LLLL	10.08 N 064.52 W	290078	155
2132213380	09/30/78	2	54	18432	D	50.30	089.73	60	FFFE	NO				CCCL LLLL	08.64 N 064.87 W	290078	156
2132213383	09/30/78	2	55	18432	D	50.04	087.98	80	FFEE	NO				CCCL LLLL	07.20 N 065.21 W	290078	157
2132213385	09/30/78	2	56	18432	D	49.73	086.25	70	FFFE	NO				CCCL LLLL	05.76 N 065.55 W	290078	158
2132213392	09/30/78	2	57	18432	D	49.38	084.56	30	EEFE	NO				CCCL LLLL	04.32 N 065.89 W	290078	159
2132213394	09/30/78	2	58	18432	D	49.00	082.92	20	EEFE	NO				CCCL LLLL	02.88 N 066.23 W	290078	160
2132213401	09/30/78	2	59	18432	D	48.57	081.31	20	EEFE	NO				CCCL LLLL	01.44 N 066.57 W	290078	161
2132215112	09/30/78	20	30	18433	D	43.70	131.93	10	EEEE	NO				CCCL LLLL	43.01 N 081.00 W	290078	415
2132215114	09/30/78	20	31	18433	D	44.40	130.41	10	EEEE	NO				CCCL LLLL	41.60 N 081.52 W	290078	416
2132215121	09/30/78	20	32	18433	D	45.07	128.88	10	EEEE	NO				CCCL LLLL	40.18 N 082.03 W	290078	417
2132215123	09/30/78	20	33	18433	D	45.71	127.31	10	EEEE	NO				CCCL LLLL	38.75 N 082.51 W	290078	418
2132215130	09/30/78	20	34	18433	D	46.33	125.70	10	EEEE	NO				CCCL LLLL	37.33 N 082.98 W	290078	419
2132215132	09/30/78	20	35	18433	D	46.91	124.08	20	EEEE	NO				CCCL LLLL	35.90 N 083.42 W	290078	420
2132215135	09/30/78	20	36	18433	D	47.45	122.42	40	EEEE	NO				CCCL LLLL	34.47 N 083.87 W	290078	421
2132215141	09/30/78	20	37	18433	D	47.96	120.73	10	EEEE	NO				CCCL LLLL	33.04 N 084.30 W	290078	422
2132216514	09/30/78	38	23	18434	D	38.12	142.06	90	FFFE	NO				CCCL LLLL	52.86 N 102.45 W	290078	162
2132216520	09/30/78	38	24	18434	D	38.99	140.63	40	FFFE	NO				CCCL LLLL	51.46 N 103.16 W	290078	163
2132216523	09/30/78	38	25	18434	D	39.83	139.21	10	EEEE	NO				CCCL LLLL	50.06 N 103.85 W	290078	164
2132216525	09/30/78	38	26	18434	D	40.65	137.78	40	FFEE	NO				CCCL LLLL	48.66 N 104.50 W	290078	165
2132216532	09/30/78	38	27	18434	D	41.44	136.35	40	FFFE	NO				CCCL LLLL	47.25 N 105.11 W	290078	166
2132216534	09/30/78	38	28	18434	D	42.21	134.90	20	FFFE	NO				CCCL LLLL	45.84 N 105.69 W	290078	167
2132220131	09/30/78	74	11	18436	D	26.62	161.75	70	FF2F	NO				CCCL LLLL	69.17 N 140.19 W	290078	487
2132220134	09/30/78	74	12	18436	D	27.65	159.61	80	FF2F	NO				CCCL LLLL	67.86 N 142.00 W	290078	488
2132220140	09/30/78	74	13	18436	D	28.67	157.63	90	FE2F	NO				CCCL LLLL	66.54 N 143.61 W	290078	489
2132220143	09/30/78	74	14	18436	D	29.67	155.79	100	FE2F	NO				CCCL LLLL	65.21 N 145.08 W	290078	490
2132300065	09/30/78	110	76	18438	D	36.67	061.71	30	EE22	NO				CCCL LLLL	23.02 S 132.57 E	290078	168
2132300092	09/30/78	110	82	18438	D	30.99	058.06	20	EFEE	NO				CCCL LLLL	31.61 S 130.19 E	290078	169
2132301291	09/30/78	128	26	18439	D	40.55	137.90	0	EEFE	NO				CCCL LLLL	48.66 N 126.38 E	290078	170
2132301294	09/30/78	128	27	18439	D	41.34	136.48	10	FEFE	NO				CCCL LLLL	47.26 N 125.76 E	290078	171
2132301300	09/30/78	128	28	18439	D	42.11	135.04	50	FFFE	NO				CCCL LLLL	45.85 N 125.17 E	290078	172
2132301303	09/17/78	128	29	18439	D	42.87	133.57	90	EEEE	NO				CCCL LLLL	44.43 N 124.61 E	290078	225
2132301305	09/17/78	128	30	18439	D	43.59	132.09	100	EEEE	NO				CCCL LLLL	43.01 N 124.07 E	290078	226
2132301312	09/17/78	128	31	18439	D	44.30	130.58	100	EEEE	NO				CCCL LLLL	41.60 N 123.55 E	290078	227
2132301314	09/17/78	128	32	18439	D	44.97	129.04	90	EFEE	NO				CCCL LLLL	40.17 N 123.05 E	290078	228
2132301321	09/17/78	128	33	18439	D	45.62	127.48	90	EEEE	NO				CCCL LLLL	38.75 N 122.56 E	290078	229
2132301323	09/17/78	128	34	18439	D	46.24	125.88	70	EEEE	NO				CCCL LLLL	37.33 N 122.10 E	290078	230
2132301330	09/17/78	128	35	18439	D	46.82	124.26	50	FEFE	NO				CCCL LLLL	35.90 N 121.64 E	290078	231
2132301332	09/17/78	128	36	18439	D	47.37	122.61	50	EEEE	NO				CCCL LLLL	34.47 N 121.19 E	290078	232
2132301335	09/17/78	128	37	18439	D	47.88	120.94	20	EEEE	NO				CCCL LLLL	33.05 N 120.75 E	290078	233
2132301341	09/17/78	128	38	18439	D	48.36	119.25	20	EEEE	NO				CCCL LLLL	31.62 N 120.32 E	290078	234

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2132301344	09/17/78	128	39	18439	D	48.81	117.50	20	EEEE	NO			CCCL LLLL	30.19 N 119.90 E	290078	235
2132301414	09/17/78	128	56	18439	D	49.77	086.52	40	EEEE	NO			CCCL LLLL	05.76 N 113.69 E	290078	236
2132301421	09/17/78	128	57	18439	D	49.43	084.84	90	EEEE	NO			CCCL LLLL	04.32 N 113.35 E	290078	237
2132301423	09/17/78	128	58	18439	D	49.05	083.20	90	EEEE	NO			CCCL LLLL	02.88 N 113.02 E	290078	238
2132301430	09/17/78	128	59	18439	D	48.64	081.60	100	FEFE	NO			CCCL LLLL	01.44 N 112.68 E	290078	239
2132303103	09/17/78	146	21	18440	D	36.20	145.04	10	EEEE	NO			CCCL LLLL	55.65 N 104.15 E	290078	240
2132303105	09/17/78	146	22	18440	D	37.10	143.61	10	EEEE	NO			CCCL LLLL	54.26 N 103.35 E	290078	241
2132303112	09/17/78	146	23	18440	D	37.98	142.19	90	EEEE	NO			CCCL LLLL	52.87 N 102.60 E	290078	242
2132303182	09/17/78	146	40	18440	D	49.20	115.78	90	EEEE	NO			CCCL LLLL	28.77 N 093.66 E	290078	243
2132303185	09/17/78	146	41	18440	D	49.57	114.00	90	EEEE	NO			CCCL LLLL	27.33 N 093.25 E	290078	244
2132304534	09/30/78	164	21	18441	D	36.19	145.03	40	FFEE	NO			CCCL LLLL	55.65 N 078.34 E	290078	173
2132304541	09/30/78	164	22	18441	D	37.09	143.61	20	FFFE	NO			CCCL LLLL	54.25 N 077.55 E	290078	174
2132304543	09/30/78	164	23	18441	D	37.97	142.20	10	EEEE	NO			CCCL LLLL	52.86 N 076.80 E	290078	175
2132304550	09/30/78	164	24	18441	D	38.83	140.80	10	EFEE	NO			CCCL LLLL	51.46 N 076.08 E	290078	176
2132304552	09/30/78	164	25	18441	D	39.67	139.39	10	EFEE	NO			CCCL LLLL	50.06 N 075.40 E	290078	177
2132304555	09/30/78	164	26	18441	D	40.49	137.97	10	EFEE	NO			CCCL LLLL	48.66 N 074.75 E	290078	178
2132307013	09/30/78	182	80	18442	D	33.04	059.17	80	FFEE	NO			CCCL LLLL	28.75 S 027.76 E	290078	179
2132307020	09/30/78	182	81	18442	D	32.06	058.62	80	FFFE	NO			CCCL LLLL	30.18 S 027.34 E	290078	180
2132310151	09/30/78	218	49	18444	D	50.94	099.37	0	FFEE	NO			CCCL LLLL	15.84 N 012.95 W	290078	181
2132316573	09/30/78	39	23	18448	D	37.81	142.35	100	EEFE	NO			CCCL LLLL	52.87 N 103.90 W	290078	383
2132316575	09/30/78	39	24	18448	D	38.67	140.95	100	FFEE	NO			CCCL LLLL	51.47 N 104.62 W	290078	384
2132316582	09/30/78	39	25	18448	D	39.52	139.54	60	EEEE	NO			CCCL LLLL	50.07 N 105.30 W	290078	385
2132316584	09/30/78	39	26	18448	D	40.35	138.13	70	EEEE	NO			CCCL LLLL	48.66 N 105.94 W	290078	386
2132316591	09/30/78	39	27	18448	D	41.15	136.71	50	EEFE	NO			CCCL LLLL	47.25 N 106.55 W	290078	387
2132316593	09/30/78	39	28	18448	D	41.93	135.27	10	EEFE	NO			CCCL LLLL	45.84 N 107.14 W	290078	388
2132320190	09/30/78	75	11	18450	D	26.28	161.86	90	FE2E	NO			CCCL LLLL	69.16 N 141.62 W	290078	389
2132320192	09/30/78	75	12	18450	D	27.30	159.75	70	FE2E	NO			CCCL LLLL	67.86 N 143.43 W	290078	390
2132320195	09/30/78	75	13	18450	D	28.30	157.82	70	FE2E	NO			CCCL LLLL	66.55 N 145.05 W	290078	391
2132320201	09/30/78	75	14	18450	D	29.29	156.03	70	FE2E	NO			CCCL LLLL	65.23 N 146.53 W	290078	392
2132320204	09/30/78	75	15	18450	D	30.28	154.30	60	FE2E	NO			CCCL LLLL	63.89 N 147.87 W	290078	393
2132320210	09/30/78	75	16	18450	D	31.27	152.65	50	FE2E	NO			CCCL LLLL	62.53 N 149.10 W	290078	394
2132320213	09/30/78	75	17	18450	D	32.24	151.07	40	FE2E	NO			CCCL LLLL	61.17 N 150.22 W	290078	395
2132320215	09/30/78	75	18	18450	D	33.20	149.55	10	FE2E	NO			CCCL LLLL	59.80 N 151.26 W	290078	396
2132320222	09/30/78	75	19	18450	D	34.14	148.08	60	FE2E	NO			CCCL LLLL	58.42 N 152.23 W	290078	397
2132320224	09/30/78	75	20	18450	D	35.07	146.63	70	FE2E	NO			CCCL LLLL	57.04 N 153.13 W	290078	398
2132401344	09/30/78	129	25	18453	D	39.42	139.65	90	FFFE	NO			CCCL LLLL	50.05 N 125.62 E	290078	182
2132401350	09/30/78	129	26	18453	D	40.25	138.25	90	FFFE	NO			CCCL LLLL	48.65 N 124.97 E	290078	183
2132401353	09/30/78	129	27	18453	D	41.05	136.83	100	FFFE	NO			CCCL LLLL	47.25 N 124.35 E	290078	184
2132401355	09/30/78	129	28	18453	D	41.84	135.39	100	FFFE	NO			CCCL LLLL	45.84 N 123.75 E	290078	185
2132401362	09/30/78	129	29	18453	D	42.60	133.94	70	FFFE	NO			CCCL LLLL	44.43 N 123.18 E	290078	186

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2132401364	09/30/78	129	30	18453	D	43.34	132.48	70	FFFE	NO			CCCL LLLL	43.01 N 122.64 E	290078	187
2132401371	09/30/78	129	31	18453	D	44.05	130.98	80	FFEE	NO			CCCL LLLL	41.60 N 122.11 E	290078	188
2132401373	09/30/78	129	32	18453	D	44.73	129.46	90	FFEE	NO			CCCL LLLL	40.18 N 121.61 E	290078	189
2132401380	09/30/78	129	33	18453	D	45.39	127.91	100	FFEE	NO			CCCL LLLL	38.75 N 121.12 E	290078	190
2132401382	09/30/78	129	34	18453	D	46.01	126.33	100	FFEE	NO			CCCL LLLL	37.33 N 120.65 E	290078	191
2132401421	09/30/78	129	43	18453	D	50.07	110.88	90	FEFE	NO			CCCL LLLL	24.46 N 116.90 E	290078	192
2132401423	09/30/78	129	44	18453	D	50.32	109.05	30	EEFE	NO			CCCL LLLL	23.02 N 116.51 E	290078	193
2132401512	09/30/78	129	65	18453	D	45.55	073.40	90	FFFE	NO			CCCL LLLL	07.20 S 109.25 E	290078	194
2132403161	09/30/78	147	21	18454	D	35.88	145.29	90	FFEE	NO			CCCL LLLL	55.66 N 102.71 E	290078	195
2132403164	09/30/78	147	22	18454	D	36.78	143.88	70	FFEE	NO			CCCL LLLL	54.27 N 101.91 E	290078	196
2132403170	09/30/78	147	23	18454	D	37.67	142.50	20	EEEE	NO			CCCL LLLL	52.87 N 101.16 E	290078	197
2132404590	09/30/78	165	20	18455	D	34.96	146.70	NA	MMMM	NO			CCCL LLLL	57.03 N 077.76 E	0	0
2132404593	09/30/78	165	21	18455	D	35.88	145.28	NA	MMMM	NO			CCCL LLLL	55.65 N 076.91 E	0	0
2132404595	09/30/78	165	22	18455	D	36.78	143.88	NA	MMMM	NO			CCCL LLLL	54.26 N 076.11 E	0	0
2132405002	09/30/78	165	23	18455	D	37.66	142.50	NA	MMMM	NO			CCCL LLLL	52.86 N 075.35 E	0	0
2132405004	09/30/78	165	24	18455	D	38.52	141.10	NA	MMMM	NO			CCCL LLLL	51.47 N 074.64 E	0	0
2132405011	09/30/78	165	25	18455	D	39.37	139.70	NA	MMMM	NO			CCCL LLLL	50.07 N 073.96 E	0	0
2132405013	09/30/78	165	26	18455	D	40.20	138.30	NA	MMMM	NO			CCCL LLLL	48.66 N 073.31 E	0	0
2132406425	09/30/78	183	21	18456	D	35.84	145.33	80	FE2E	NO			CCCL LLLL	55.65 N 051.08 E	290078	399
2132406431	09/30/78	183	22	18456	D	36.74	143.92	50	FE2E	NO			CCCL LLLL	54.27 N 050.28 E	290078	400
2132406434	09/30/78	183	23	18456	D	37.63	142.52	10	FE2E	NO			CCCL LLLL	52.87 N 049.52 E	290078	401
2132406440	09/30/78	183	24	18456	D	38.49	141.13	10	EE2E	NO			CCCL LLLL	51.47 N 048.81 E	290078	402
2132406443	09/30/78	183	25	18456	D	39.34	139.73	10	EE2E	NO			CCCL LLLL	50.07 N 048.14 E	290078	403
2132406445	09/30/78	183	26	18456	D	40.17	138.33	40	FE2E	NO			CCCL LLLL	48.67 N 047.50 E	290078	404
2132406452	09/30/78	183	27	18456	D	40.98	136.92	0	EE2E	NO			CCCL LLLL	47.26 N 046.87 E	290078	405
2132406454	09/30/78	183	28	18456	D	41.76	135.50	0	EE2E	NO			CCCL LLLL	45.85 N 046.28 E	290078	406
2132406460	09/30/78	183	29	18456	D	42.53	134.06	0	FE2E	NO			CCCL LLLL	44.44 N 045.71 E	290078	407
2132406463	09/30/78	183	30	18456	D	43.27	132.59	10	FE2E	NO			CCCL LLLL	43.02 N 045.17 E	290078	408
2132415223	09/30/78	22	29	18461	D	42.44	134.16	90	EEEE	NO			CCCL LLLL	44.42 N 083.30 W	290078	552
2132415225	09/30/78	22	30	18461	D	43.18	132.70	30	EEEE	NO			CCCL LLLL	43.01 N 083.85 W	290078	553
2132415232	09/30/78	22	31	18461	D	43.90	131.21	10	FEFE	NO			CCCL LLLL	41.59 N 084.37 W	290078	554
2132415234	09/30/78	22	32	18461	D	44.59	129.70	10	EEEE	NO			CCCL LLLL	40.17 N 084.88 W	290078	555
2132415241	09/30/78	22	33	18461	D	45.25	128.16	10	EEEE	NO			CCCL LLLL	38.75 N 085.36 W	290078	556
2132415243	09/30/78	22	34	18461	D	45.88	126.59	10	EEEE	NO			CCCL LLLL	37.32 N 085.84 W	290078	557
2132415250	09/30/78	22	35	18461	D	46.49	125.00	10	EEEE	NO			CCCL LLLL	35.90 N 086.30 W	290078	558
2132415252	09/30/78	22	36	18461	D	47.05	123.37	10	EEEE	NO			CCCL LLLL	34.47 N 086.75 W	290078	559
2132415255	09/30/78	22	37	18461	D	47.59	121.72	10	EEEE	NO			CCCL LLLL	33.05 N 087.19 W	290078	560
2132415261	09/30/78	22	38	18461	D	48.08	120.05	10	EEEE	NO			CCCL LLLL	31.62 N 087.62 W	290078	561
2132503222	09/30/78	148	22	18468	D	36.47	144.15	50	FE2E	NO			CCCL LLLL	54.26 N 100.48 E	290078	409
2132505052	09/30/78	166	21	18469	D	35.54	145.55	10	EEEE	NO			CCCL LLLL	55.64 N 075.48 E	290078	562

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2132505054	09/30/78	166	22	18469	D	36.45	144.15	10	EEEE	NO			CCCL LLLL	54.26 N	074.68 E	290078	563
2132505061	09/30/78	166	23	18469	D	37.34	142.77	10	EEEE	NO			CCCL LLLL	52.86 N	073.92 E	290078	564
2132515275	09/30/78	23	28	18475	D	41.39	135.97	100	FFFF	NO			CCCL LLLL	45.84 N	084.18 W	290078	192
2132515281	09/30/78	23	29	18475	D	42.16	134.55	60	EEEE	NO			CCCL LLLL	44.42 N	084.75 W	290078	199
2132515284	09/30/78	23	30	18475	D	42.91	133.10	20	EEEE	NO			CCCL LLLL	43.01 N	085.28 W	290078	200
2132515290	09/30/78	23	31	18475	D	43.64	131.63	10	EEEE	NO			CCCL LLLL	41.59 N	085.80 W	290078	201
2132515293	09/30/78	23	32	18475	D	44.34	130.13	0	FFEF	NO			CCCL LLLL	40.17 N	086.31 W	290078	202
2132515295	09/30/78	23	33	18475	D	45.01	128.60	0	EEEE	NO			CCCL LLLL	38.75 N	086.80 W	290078	203
2132515302	09/30/78	23	34	18475	D	45.65	127.06	10	EEEE	NO			CCCL LLLL	37.32 N	087.27 W	290078	204
2132515304	09/30/78	23	35	18475	D	46.26	125.48	0	EEEE	NO			CCCL LLLL	35.90 N	087.73 W	290078	205
2132515311	09/30/78	23	36	18475	D	46.84	123.87	0	FFFF	NO			CCCL LLLL	34.47 N	088.18 W	290078	206
2132515313	09/30/78	23	37	18475	D	47.39	122.22	0	FFFF	NO			CCCL LLLL	33.05 N	088.62 W	290078	207
2132515320	09/30/78	23	38	18475	D	47.90	120.54	40	FFFF	NO			CCCL LLLL	31.62 N	089.06 W	290078	208
2132517090	09/24/78	41	23	18476	D	37.18	142.92	90	EEEE	NO			CCCL LLLL	52.86 N	106.76 W	290078	320
2132517093	09/24/78	41	24	18476	D	38.06	141.55	70	EEEE	NO			CCCL LLLL	51.47 N	107.48 W	290078	321
2132517095	09/24/78	41	25	18476	D	38.92	140.17	40	EEEE	NO			CCCL LLLL	50.07 N	108.17 W	290078	322
2132517102	09/24/78	41	26	18476	D	39.76	138.79	40	EEEE	NO			CCCL LLLL	48.67 N	108.82 W	290078	323
2132517104	09/24/78	41	27	18476	D	40.57	137.40	20	EEEE	NO			CCCL LLLL	47.26 N	109.43 W	290078	324
2132517110	09/24/78	41	28	18476	D	41.37	136.00	20	EEEE	NO			CCCL LLLL	45.85 N	110.02 W	290078	325
2132517113	09/24/78	41	29	18476	D	42.14	134.57	30	EEEE	NO			CCCL LLLL	44.43 N	110.58 W	290078	326
2132517115	09/24/78	41	30	18476	D	42.89	133.13	10	EEEE	NO			CCCL LLLL	43.02 N	111.12 W	290078	327
2132517122	09/24/78	41	31	18476	D	43.62	131.66	10	EEEE	NO			CCCL LLLL	41.60 N	111.64 W	290078	328
2132517124	09/24/78	41	32	18476	D	44.32	130.16	10	EEEE	NO			CCCL LLLL	40.18 N	112.15 W	290078	329
2132517131	09/24/78	41	33	18476	D	45.00	128.63	10	EEEE	NO			CCCL LLLL	38.76 N	112.65 W	290078	330
2132517134	09/24/78	41	34	18476	D	45.64	127.08	10	EEEE	NO			CCCL LLLL	37.33 N	113.12 W	290078	331
2132517140	09/24/78	41	35	18476	D	46.25	125.51	10	EEEE	NO			CCCL LLLL	35.91 N	113.57 W	290078	332
2132517142	09/24/78	41	36	18476	D	46.83	123.90	10	EEEE	NO			CCCL LLLL	34.48 N	114.02 W	290078	333
2132517145	09/24/78	41	37	18476	D	47.38	122.27	10	EEEE	NO			CCCL LLLL	33.05 N	114.46 W	290078	334
2132517151	09/24/78	41	38	18476	D	47.89	120.59	10	EEEE	NO			CCCL LLLL	31.62 N	114.88 W	290078	335
2132603275	09/30/78	149	21	18482	D	35.24	145.80	40	EEEE	NO			CCCL LLLL	55.66 N	099.84 E	290078	565
2132605104	09/30/78	167	20	18483	D	34.29	147.21	80	EEFE	NO			CCCL LLLL	57.04 N	074.88 E	290078	566
2132605110	09/30/78	167	21	18483	D	35.21	145.82	70	EEFE	NO			CCCL LLLL	55.66 N	074.03 E	290078	567
2132605113	09/30/78	167	22	18483	D	36.12	144.44	30	EEEE	NO			CCCL LLLL	54.26 N	073.23 E	290078	568
2132605115	09/30/78	167	23	18483	D	37.02	143.07	10	EEFE	NO			CCCL LLLL	52.87 N	072.48 E	290078	569
2132605122	09/30/78	167	24	18483	D	37.90	141.71	10	EEEE	NO			CCCL LLLL	51.47 N	071.76 E	290078	570
2132605124	09/30/78	167	25	18483	D	38.76	140.34	0	EEEE	NO			CCCL LLLL	50.07 N	071.08 E	290078	571
2132605131	09/30/78	167	26	18483	D	39.60	138.97	10	EEFE	NO			CCCL LLLL	48.67 N	070.43 E	290078	572
2132615340	09/30/78	24	29	18489	D	41.88	134.92	90	EEEE	NO			CCCL LLLL	44.43 N	086.18 W	290078	423
2132615343	09/30/78	24	30	18489	D	42.64	133.50	70	EEEE	NO			CCCL LLLL	43.01 N	086.73 W	290078	424
2132615345	09/30/78	24	31	18489	D	43.38	132.02	20	EEEE	NO			CCCL LLLL	41.60 N	087.26 W	290078	425

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2132615352	09/30/78	24	32	18489	D	44.09	130.54	0	EEEE	NO			CCCL LLLL 40.17 N	087.76 W	290078	426
2132615354	09/30/78	24	33	18489	D	44.77	129.04	0	EEEE	NO			CCCL LLLL 38.75 N	088.25 W	290078	427
2132615361	09/30/78	24	34	18489	D	45.42	127.52	10	EEEE	NO			CCCL LLLL 37.33 N	088.72 W	290078	428
2132615363	09/30/78	24	35	18489	D	46.04	125.95	30	EEEE	NO			CCCL LLLL 35.91 N	089.19 W	290078	429
2132615370	09/30/78	24	36	18489	D	46.63	124.36	50	EEEE	NO			CCCL LLLL 34.48 N	089.64 W	290078	430
2132615372	09/30/78	24	37	18489	D	47.19	122.75	40	EEEE	NO			CCCL LLLL 33.05 N	090.08 W	290078	431
2132615375	09/30/78	24	38	18489	D	47.71	121.06	60	EEEE	NO			CCCL LLLL 31.63 N	090.51 W	290078	432
2132615381	09/30/78	24	39	18489	D	48.20	119.39	90	EEEE	NO			CCCL LLLL 30.20 N	090.93 W	290078	433
2132714061	09/30/78	7	52	18502	D	50.81	096.39	10	FF2E	NO			CCCL LLLL 11.53 N	071.40 W	290078	491
2132714063	09/30/78	7	53	18502	D	50.71	094.57	50	FF2E	NO			CCCL LLLL 10.09 N	071.75 W	290078	492
2132714070	09/30/78	7	54	18502	D	50.57	092.75	60	FF2E	NO			CCCL LLLL 08.65 N	072.07 W	290078	493
2132714072	09/30/78	7	55	18502	D	50.38	090.96	70	FF2E	NO			CCCL LLLL 07.21 N	072.40 W	290078	494
2132717203	09/30/78	43	23	18504	D	36.54	143.50	50	FF2E	NO			CCCL LLLL 52.87 N	109.65 W	290078	495
2132717210	09/30/78	43	24	18504	D	37.43	142.16	30	FE2E	NO			CCCL LLLL 51.47 N	110.36 W	290078	496
2132717212	09/30/78	43	25	18504	D	38.30	140.81	80	FE2E	NO			CCCL LLLL 50.07 N	111.04 W	290078	497
2132717215	09/30/78	43	26	18504	D	39.16	139.45	70	FF2E	NO			CCCL LLLL 48.67 N	111.68 W	290078	498
2132717221	09/30/78	43	27	18504	D	39.99	138.08	80	FF2E	NO			CCCL LLLL 47.26 N	112.30 W	290078	499
2132717224	09/30/78	43	28	18504	D	40.80	136.70	90	FF2E	NO			CCCL LLLL 45.85 N	112.90 W	290078	500
2132801574	09/30/78	133	25	18509	D	38.19	140.93	20	FF2E	NO			CCCL LLLL 50.08 N	119.83 E	290078	501
2132802024	09/30/78	133	37	18509	D	46.90	123.45	10	FF2E	NO			CCCL LLLL 33.05 N	113.56 E	290078	502
2132802031	09/30/78	133	38	18509	D	47.45	121.80	10	FE2E	NO			CCCL LLLL 31.62 N	113.13 E	290078	503
2132802034	09/30/78	133	39	18509	D	47.95	120.14	10	EE2E	NO			CCCL LLLL 30.19 N	112.72 E	290078	504
2132802040	09/30/78	133	40	18509	D	48.42	118.45	10	FE2E	NO			CCCL LLLL 28.76 N	112.31 E	290078	505
2132803392	09/30/78	151	21	18510	D	34.58	146.32	80	FE2E	NO			CCCL LLLL 55.65 N	096.98 E	290078	506
2132803395	09/30/78	151	22	18510	D	35.50	144.97	60	FEPE	NO			CCCL LLLL 54.26 N	096.18 E	290078	507
2132803401	09/30/78	151	23	18510	D	36.40	143.62	70	FEPE	NO			CCCL LLLL 52.87 N	095.43 E	290078	508
2132803404	09/30/78	151	24	18510	D	37.29	142.29	70	FE2E	NO			CCCL LLLL 51.47 N	094.72 E	290078	509
2132805221	09/30/78	169	20	18511	D	33.63	147.70	20	FEPE	NO			CCCL LLLL 57.03 N	072.02 E	290078	510
2132805224	09/30/78	169	21	18511	D	34.56	146.33	60	FEPE	NO			CCCL LLLL 55.65 N	071.17 E	290078	511
2132805230	09/30/78	169	22	18511	D	35.48	144.98	80	FEFE	NO			CCCL LLLL 54.26 N	070.37 E	290078	512
2132805233	09/30/78	169	23	18511	D	36.38	143.64	10	FE2E	NO			CCCL LLLL 52.87 N	069.62 E	290078	513
2132805235	09/30/78	169	24	18511	D	37.27	142.31	20	FE2E	NO			CCCL LLLL 51.47 N	068.91 E	290078	514
2132805242	09/30/78	169	25	18511	D	38.15	140.96	90	FE2E	NO			CCCL LLLL 50.06 N	068.23 E	290078	515
2132807050	09/30/78	187	19	18512	D	32.64	149.13	70	FE2E	NO			CCCL LLLL 58.42 N	047.10 E	290078	516
2132807053	09/30/78	187	20	18512	D	33.60	147.73	70	FE2E	NO			CCCL LLLL 57.04 N	046.19 E	290078	517
2132807055	09/30/78	187	21	18512	D	34.54	146.35	30	FE2E	NO			CCCL LLLL 55.65 N	045.34 E	290078	518
2132807062	09/30/78	187	22	18512	D	35.45	145.01	40	FE2E	NO			CCCL LLLL 54.26 N	044.54 E	290078	519
2132807064	09/30/78	187	23	18512	D	36.36	143.67	70	FE2E	NO			CCCL LLLL 52.87 N	043.79 E	290078	520
2132807071	09/30/78	187	24	18512	D	37.25	142.32	80	FE2E	NO			CCCL LLLL 51.47 N	043.07 E	290078	521
2132807235	09/30/78	187	64	18512	D	46.96	076.82	10	FE2E	NO			CCCL LLLL 05.76 S	026.37 E	290078	522

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2132807241	09/30/78	187	65	18512	D	46.39	075.42	10	FE2E	NO			CCCL LLLL	07.20 S	026.04 E	290078	523
2132809002	09/30/78	205	48	18513	D	50.71	104.27	NA	MMMM	NO			CCCL LLLL	17.28 N	006.02 E	0	0
2132809005	09/30/78	205	49	18513	D	50.80	102.41	NA	MMMM	NO			CCCL LLLL	15.84 N	005.67 E	0	0
2132809011	09/30/78	205	50	18513	D	50.86	100.56	NA	2222	NO			CCCL LLLL	14.40 N	005.32 E	0	0
2132815454	09/30/78	26	29	18517	D	41.33	135.66	40	EEFE	NO			CCCL LLLL	44.43 N	089.07 W	290078	444
2132815460	09/30/78	26	30	18517	D	42.11	134.25	10	EEFE	NO			CCCL LLLL	43.01 N	089.59 W	290078	445
2132815463	09/30/78	26	31	18517	D	42.87	132.81	10	EEFE	NO			CCCL LLLL	41.59 N	090.10 W	290078	446
2132815465	09/30/78	26	32	18517	D	43.60	131.34	10	EEFE	NO			CCCL LLLL	40.16 N	090.60 W	290078	447
2132815472	09/30/78	26	33	18517	D	44.30	129.87	10	EEFE	NO			CCCL LLLL	38.75 N	091.10 W	290078	448
2132815474	09/30/78	26	34	18517	D	44.96	128.39	10	EEFE	NO			CCCL LLLL	37.33 N	091.58 W	290078	449
2132815480	09/30/78	26	35	18517	D	45.60	126.88	70	EEFE	NO			CCCL LLLL	35.90 N	092.05 W	290078	450
2132815483	09/30/78	26	36	18517	D	46.21	125.32	100	EEFE	NO			CCCL LLLL	34.48 N	092.50 W	290078	451
2132815485	09/30/78	26	37	18517	D	46.79	123.73	100	EEFE	NO			CCCL LLLL	33.05 N	092.93 W	290078	452
2132815492	09/30/78	26	38	18517	D	47.33	122.11	90	EEFE	NO			CCCL LLLL	31.62 N	093.37 W	290078	453
2132815494	09/30/78	26	39	18517	D	47.84	120.46	90	EEFE	NO			CCCL LLLL	30.19 N	093.78 W	290078	454
2132817271	09/30/78	44	25	18518	D	38.00	141.11	100	EEFE	NO			CCCL LLLL	50.08 N	112.48 W	290078	455
2132817274	09/30/78	44	26	18518	D	38.85	139.78	100	EEFE	NO			CCCL LLLL	48.67 N	113.13 W	290078	456
2132817280	09/30/78	44	27	18518	D	39.70	138.42	100	EEFE	NO			CCCL LLLL	47.26 N	113.75 W	290078	457
2132817283	09/30/78	44	28	18518	D	40.52	137.05	NA	6662	NO			CCCL LLLL	45.85 N	114.33 W	0	0
2132819080	09/30/78	62	19	18519	D	32.48	149.23	60	FF2E	NO			CCCL LLLL	58.42 N	133.57 W	290078	524
2132819082	09/30/78	62	20	18519	D	33.44	147.83	90	FF2E	NO			CCCL LLLL	57.03 N	134.48 W	290078	525
2132819085	09/30/78	62	21	18519	D	34.38	146.47	90	FF2E	NO			CCCL LLLL	55.64 N	135.31 W	290078	526
2132819091	09/30/78	62	22	18519	D	35.30	145.12	90	FF2E	NO			CCCL LLLL	54.25 N	136.11 W	290078	527
2132900222	09/30/78	116	30	18522	D	42.01	134.39	NA	MMMM	NO			CCCL LLLL	43.01 N	141.31 E	0	0
2132902033	09/30/78	134	25	18523	D	37.89	141.22	40	FE2E	NO			CCCL LLLL	50.07 N	118.41 E	290078	528
2132902083	09/30/78	134	37	18523	D	46.71	123.92	40	FE2E	NO			CCCL LLLL	33.05 N	112.12 E	290078	529
2132902090	09/30/78	134	38	18523	D	47.26	122.30	10	FE2E	NO			CCCL LLLL	31.62 N	111.70 E	290078	530
2132902092	09/30/78	134	39	18523	D	47.77	120.66	10	FE2E	NO			CCCL LLLL	30.19 N	111.29 E	290078	531
2132902163	09/30/78	134	56	18523	D	50.27	090.12	50	FE2E	NO			CCCL LLLL	05.77 N	105.07 E	290078	532
2132902165	09/30/78	134	57	18523	D	50.01	088.37	90	FE2E	NO			CCCL LLLL	04.33 N	104.73 E	290078	533
2132902172	09/30/78	134	58	18523	D	49.72	086.66	80	FE2E	NO			CCCL LLLL	02.88 N	104.40 E	290078	534
2132902174	09/30/78	134	59	18523	D	49.38	084.98	70	FE2E	NO			CCCL LLLL	01.44 N	104.07 E	290078	535
2132915512	09/30/78	27	29	18531	D	41.04	136.04	100	2EFF	NO			CCCL LLLL	44.43 N	090.50 W	290078	458
2132915515	09/30/78	27	30	18531	D	41.82	134.65	90	EEFE	NO			CCCL LLLL	43.02 N	091.04 W	290078	459
2132915521	09/30/78	27	31	18531	D	42.58	133.25	80	EEFE	NO			CCCL LLLL	41.60 N	091.57 W	290078	460
2132915524	09/30/78	27	32	18531	D	43.31	131.82	40	EEFE	NO			CCCL LLLL	40.18 N	092.07 W	290078	461
2132915530	09/30/78	27	33	18531	D	44.03	130.36	80	EEFE	NO			CCCL LLLL	38.76 N	092.56 W	290078	462
2132915533	09/30/78	27	34	18531	D	44.71	128.86	90	EEFE	NO			CCCL LLLL	37.33 N	093.04 W	290078	463
2133019191	09/30/78	64	18	18547	D	30.81	151.11	50	EEFE	NO			CCCL LLLL	59.80 N	135.50 W	290078	573
2133019193	09/30/78	64	19	18547	D	31.79	149.70	70	EEFE	NO			CCCL LLLL	58.42 N	136.45 W	290078	574

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FROM 09/01/78 TO 09/30/78

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2133019200	09/30/78	64	20	18547	D	32.76	148.33	30	EEEE	NO	CCCL	LLLL	57.05 N	137.37 W	290078	575

COORDINATE LISTING

GODDARD SPACE FLIGHT CENTER
LANDSAT IMAGE PROCESSING FACILITY
INFORMATION PRODUCTION AND CONTROL SYSTEM

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131908132	09/17/78	196	60	18387	D	47.64	078.06	40	EEEE	NO		CCCL	LLLL	00.00 N	014.81 E	290078	133
2131808073	09/17/78	195	60	18373	D	47.49	077.54	70	EEFE	NO		CCCL	LLLL	00.00 N	016.25 E	290078	110
2131908130	09/17/78	196	59	18387	D	48.14	079.58	70	EEEE	NO		CCCL	LLLL	01.44 N	015.15 E	290078	132
2131808071	09/17/78	195	59	18373	D	48.01	079.05	80	EEFE	NO		CCCL	LLLL	01.44 N	016.59 E	290078	109
2132902174	09/30/78	134	59	18523	D	49.38	084.98	70	FE2E	NO		CCCL	LLLL	01.44 N	104.07 E	290078	535
2132301430	09/17/78	128	59	18439	D	48.64	081.60	100	FEFE	NO		CCCL	LLLL	01.44 N	112.68 E	290078	239
2132213401	09/30/78	2	59	18432	D	48.57	081.31	20	EEFE	NO		CCCL	LLLL	01.44 N	066.57 W	290078	161
2131214253	09/09/78	10	59	18293	D	47.23	076.16	80	EEFE	NO		CCCL	LLLL	01.44 N	078.03 W	290078	27
2116814182	09/30/78	10	59	16285	D	45.65	083.32	40	EEEE	NO		CCCL	LLLL	01.45 N	078.10 W	290077	63
2131908123	09/17/78	196	58	18387	D	48.61	081.15	90	EEFE	NO		CCCL	LLLL	02.88 N	015.48 E	290078	131
2131808064	09/17/78	195	58	18373	D	48.49	080.60	80	EEFE	NO		CCCL	LLLL	02.88 N	016.92 E	290078	108
2131302280	09/09/78	136	58	18300	D	47.85	077.92	40	FFFE	NO		CCCL	LLLL	02.88 N	101.53 E	290078	30
2131202221	09/24/78	135	58	18286	D	47.73	077.42	30	EEEE	NO		CCCL	LLLL	02.88 N	102.97 E	290078	260
2132902172	09/30/78	134	58	18523	D	49.72	086.66	80	FE2E	NO		CCCL	LLLL	02.88 N	104.40 E	290078	534
2132301423	09/17/78	128	58	18439	D	49.05	083.20	90	EEEE	NO		CCCL	LLLL	02.88 N	113.02 E	290078	238
2132113335	09/30/78	1	58	18418	D	48.88	082.35	40	FE2E	NO		CCCL	LLLL	02.88 N	064.79 W	290078	357
2132213394	09/30/78	2	58	18432	D	49.00	082.92	20	EEFE	NO		CCCL	LLLL	02.88 N	066.23 W	290078	160
2131214251	09/09/78	10	58	18293	D	47.78	077.64	90	EEFE	NO		CCCL	LLLL	02.88 N	077.69 W	290078	26
2116814180	09/30/78	10	58	16285	D	46.03	084.78	90	EEEE	NO		CCCL	LLLL	02.89 N	077.76 W	290077	62
2131808062	09/17/78	195	57	18373	D	48.93	082.20	70	EEFE	NO		CCCL	LLLL	04.32 N	017.26 E	290078	107
2131302273	09/09/78	136	57	18300	D	48.37	079.46	60	EE2E	NO		CCCL	LLLL	04.32 N	101.87 E	290078	29
2131202215	09/24/78	135	57	18286	D	48.25	078.94	50	EEEE	NO		CCCL	LLLL	04.32 N	103.31 E	290078	259
2132301421	09/17/78	128	57	18439	D	49.43	084.84	90	EEEE	NO		CCCL	LLLL	04.32 N	113.35 E	290078	237
2132113333	09/30/78	1	57	18418	D	49.28	084.00	40	FE2E	NO		CCCL	LLLL	04.32 N	064.46 W	290078	356
2132213392	09/30/78	2	57	18432	D	49.38	084.56	30	EEFE	NO		CCCL	LLLL	04.32 N	065.89 W	290078	159
2131214244	09/09/78	10	57	18293	D	48.30	079.18	90	EEFE	NO		CCCL	LLLL	04.32 N	077.35 W	290078	25
2132902165	09/30/78	134	57	18523	D	50.01	088.37	90	FE2E	NO		CCCL	LLLL	04.33 N	104.73 E	290078	533
2116814173	09/30/78	10	57	16285	D	46.38	086.28	100	EEEE	NO		CCCL	LLLL	04.33 N	077.43 W	290077	61
2131808055	09/17/78	195	56	18373	D	49.34	083.84	70	EEFE	NO		CCCL	LLLL	05.76 N	017.60 E	290078	106
2132301414	09/17/78	128	56	18439	D	49.77	086.52	40	EEEE	NO		CCCL	LLLL	05.76 N	113.69 E	290078	236
2132113330	09/30/78	1	56	18418	D	49.64	085.66	70	FE2E	NO		CCCL	LLLL	05.76 N	064.12 W	290078	355
2132213385	09/30/78	2	56	18432	D	49.73	086.25	70	FFFE	NO		CCCL	LLLL	05.76 N	065.55 W	290078	158
2131214242	09/09/78	10	56	18293	D	48.78	080.76	80	EEFE	NO		CCCL	LLLL	05.76 N	077.02 W	290078	24
2131402330	09/17/78	137	56	18314	D	48.94	081.57	50	EEFE	NO		CCCL	LLLL	05.77 N	100.77 E	290077	780
2132902163	09/30/78	134	56	18523	D	50.27	090.12	50	FE2E	NO		CCCL	LLLL	05.77 N	105.07 E	290078	532
2116814171	09/30/78	10	56	16285	D	46.69	087.80	90	EEEE	NO		CCCL	LLLL	05.78 N	077.09 W	290077	60

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE, /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM QLTY	MODE	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131808053	09/17/78	195	55	18373	D	49.71	085.52	70	EEFE	NO	CCCL	LLLL	07.20 N	017.94 E	290078	105
2132113324	09/30/78	1	55	18418	D	49.96	087.37	40	FE2E	NO	CCCL	LLLL	07.20 N	063.78 W	290078	354
2132213383	09/30/78	2	55	18432	D	50.04	087.98	80	FFEE	NO	CCCL	LLLL	07.20 N	065.21 W	290078	157
2130914063	09/03/78	7	55	18251	D	48.96	080.81	80	EEEF	NO	CCCL	LLLL	07.20 N	072.39 W	290077	528
2132714072	09/30/78	7	55	18502	D	50.38	090.96	70	FF2E	NO	CCCL	LLLL	07.21 N	072.40 W	290078	494
2132008164	09/30/78	197	54	18401	D	50.16	088.40	60	FE2E	NO	CCCL	LLLL	08.64 N	015.41 E	290078	345
2131808050	09/17/78	195	54	18373	D	50.03	087.25	60	EEFE	NO	CCCL	LLLL	08.64 N	018.28 E	290078	104
2132113321	09/30/78	1	54	18418	D	50.24	089.12	40	EE2E	NO	CCCL	LLLL	08.64 N	063.44 W	290078	353
2132213380	09/30/78	2	54	18432	D	50.30	089.73	60	FFFE	NO	CCCL	LLLL	08.64 N	064.87 W	290078	156
2130914060	09/03/78	7	54	18251	D	49.40	082.46	50	EEEE	NO	CCCL	LLLL	08.64 N	072.04 W	290077	527
2132714070	09/30/78	7	54	18502	D	50.57	092.75	60	FF2E	NO	CCCL	LLLL	08.65 N	072.07 W	290078	493
2132008161	09/30/78	197	53	18401	D	50.42	090.18	90	FEFE	NO	CCCL	LLLL	10.08 N	015.76 E	290078	344
2131808044	09/17/78	195	53	18373	D	50.31	089.00	20	EEFE	NO	CCCL	LLLL	10.08 N	018.63 E	290078	103
2132113315	09/30/78	1	53	18418	D	50.48	090.90	50	FE2E	NO	CCCL	LLLL	10.08 N	063.09 W	290078	352
2132213374	09/30/78	2	53	18432	D	50.52	091.50	30	FFEE	NO	CCCL	LLLL	10.08 N	064.52 W	290078	155
2130914054	09/03/78	7	53	18251	D	49.80	084.15	70	FEFE	NO	CCCL	LLLL	10.08 N	071.70 W	290077	526
2132714063	09/30/78	7	53	18502	D	50.71	094.57	50	FF2E	NO	CCCL	LLLL	10.09 N	071.75 W	290078	492
2131014113	09/08/78	8	53	18265	D	49.86	084.68	30	EEEE	NO	CCCL	LLLL	10.09 N	073.15 W	290077	578
2115801150	09/30/78	125	53	16138	D	45.69	098.13	40	EEEE	NO	CCCL	HHLL	10.10 N	118.96 E	290077	23
2117314445	09/24/78	15	53	16355	D	48.04	089.83	10	EEEE	NO	CCCL	HHLL	10.10 N	083.25 W	290077	20
2130914051	09/03/78	7	52	18251	D	50.16	085.88	60	EEEE	NO	CCCL	LLLL	11.52 N	071.36 W	290077	525
2132714061	09/30/78	7	52	18502	D	50.81	096.39	10	FF2E	NO	CCCL	LLLL	11.53 N	071.40 W	290078	491
2131014110	09/08/78	8	52	18265	D	50.21	086.42	20	EEEE	NO	CCCL	LLLL	11.53 N	072.80 W	290077	577
2115801144	09/30/78	125	52	16138	D	45.70	099.67	20	EEEE	NO	CCCL	HHLL	11.54 N	119.31 E	290077	22
2131309181	09/17/78	208	51	18304	D	50.61	089.75	NA	2222	NO	CCCL	LLLL	12.96 N	000.67 E	0	0
2131209122	09/09/78	207	51	18290	D	50.58	089.18	50	EEPE	NO	CCCL	LLLL	12.96 N	002.11 E	290078	23
2131109063	09/24/78	206	51	18276	D	50.54	088.62	10	EEEE	NO	CCCL	LLLL	12.96 N	003.54 E	290078	256
2115801141	09/30/78	125	51	16138	D	45.67	101.22	30	EEEE	NO	CCCL	HHLL	12.98 N	119.66 E	290077	21
2131309174	09/17/78	208	50	18304	D	50.83	091.58	60	EEEE	NO	CCCL	LLLL	14.40 N	001.02 E	290078	81
2131209120	09/09/78	207	50	18290	D	50.81	091.00	50	FE2E	NO	CCCL	LLLL	14.40 N	002.45 E	290078	22
2131109061	09/24/78	206	50	18276	D	50.79	090.44	10	EEE2	NO	CCCL	LLLL	14.40 N	003.89 E	290078	255
2131009002	09/08/78	205	50	18262	D	50.77	089.88	10	EEEE	NO	CCCL	LLLL	14.40 N	005.32 E	290077	576
2132809011	09/30/78	205	50	18513	D	50.86	100.56	NA	2222	NO	CCCL	LLLL	14.40 N	005.32 E	0	0
2131702475	09/09/78	140	50	18356	D	50.88	093.71	100	EEFE	NO	CCCL	LLLL	14.40 N	098.56 E	290077	753
2132210095	09/30/78	217	50	18430	D	50.91	096.89	10	EEEE	NO	CCCL	LLLL	14.40 N	011.86 W	290078	154
2128815292	09/02/78	22	50	17959	D	50.20	079.41	10	EEFE	NO	CCCL	LLLL	14.40 N	092.16 W	290077	171
2131209113	09/09/78	207	49	18290	D	51.00	092.84	10	EE2E	NO	CCCL	LLLL	15.84 N	002.81 E	290078	21
2131109054	09/24/78	206	49	18276	D	51.00	092.28	30	EEEE	NO	CCCL	LLLL	15.84 N	004.25 E	290078	254
2131009000	09/08/78	205	49	18262	D	50.99	091.72	10	EEEE	NO	CCCL	LLLL	15.84 N	005.67 E	290077	575
2132809005	09/30/78	205	49	18513	D	50.80	102.41	NA	MMMM	NO	CCCL	LLLL	15.84 N	005.67 E	0	0

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLN FRAME	
2131702472	09/30/78	140	49	18356	D	51.01	095.57	80	EFEE	NO			CCCL LLLL	15.84 N	098.91 E	290078	486
2132310151	09/30/78	218	49	18444	D	50.94	099.37	0	FFEE	NO			CCCL LLLL	15.84 N	012.95 W	290078	181
2128815290	09/02/78	22	49	17959	D	50.68	081.14	10	EEEE	NO			CCCL LLLL	15.84 N	091.81 W	290077	170
2131702470	09/30/78	140	48	18356	D	51.08	097.45	80	FEFE	NO			CCCL LLLL	17.27 N	099.27 E	290078	485
2128815283	09/02/78	22	48	17959	D	51.12	082.92	20	EEEE	NO			CCCL LLLL	17.27 N	091.45 W	290077	169
2131109052	09/24/78	206	48	18276	D	51.16	094.15	20	EEEE	NO			CCCL LLLL	17.28 N	004.60 E	290078	253
2132809002	09/30/78	205	48	18513	D	50.71	104.27	NA	MMMM	NO			CCCL LLLL	17.28 N	006.02 E	0	0
2131008593	09/08/78	205	48	18262	D	51.17	093.58	10	EEEE	NO			CCCL LLLL	17.28 N	006.03 E	290077	574
2128815281	09/02/78	22	47	17959	D	51.52	084.76	20	EEFF	NO			CCCL LLLL	18.71 N	091.09 W	290077	168
2128815274	09/02/78	22	46	17959	D	51.87	086.64	20	EEEE	NO			CCCL LLLL	20.15 N	090.72 W	290077	167
2129001524	09/02/78	131	45	17979	D	52.14	089.15	NA	MMMM	NO			CCCL LLLL	21.58 N	113.28 F	0	0
2128815272	09/02/78	22	45	17959	D	52.18	088.56	10	EEFE	NO			CCCL LLLL	21.58 N	090.35 W	290077	166
2130901593	09/03/78	132	45	18244	D	51.48	098.58	80	EFEE	NO			CCCL LLLL	21.59 N	111.84 E	290077	514
2130801534	09/03/78	131	45	18230	D	51.52	098.04	70	EEEE	NO			CCCL LLLL	21.59 N	113.27 E	290077	482
2132101254	09/30/78	126	45	18411	D	50.77	105.44	30	FE2E	NO			CCCL LLLL	21.59 N	120.41 E	290078	349
2130901590	09/03/78	132	44	18244	D	51.49	100.52	90	EEFE	NO			CCCL LLLL	23.02 N	112.22 E	290077	513
2130801531	09/03/78	131	44	18230	D	51.55	099.98	80	EEEE	NO			CCCL LLLL	23.02 N	113.65 E	290077	481
2129001522	09/02/78	131	44	17979	D	52.38	091.12	10	MMMM	NO			CCCL LLLL	23.02 N	113.66 E	0	0
2128901463	09/02/78	130	44	17965	D	52.43	090.70	80	EEFE	NO			CCCL LLLL	23.02 N	115.09 E	290077	172
2132401423	09/30/78	129	44	18453	D	50.32	109.05	30	EEFE	NO			CCCL LLLL	23.02 N	116.51 E	290078	193
2132201310	09/30/78	127	44	18425	D	50.51	107.91	30	EEFE	NO			CCCL LLLL	23.03 N	119.35 E	290078	414
2132101251	09/30/78	126	44	18411	D	50.60	107.31	30	FE2E	NO			CCCL LLLL	23.03 N	120.78 E	290078	348
2132204570	09/30/78	163	43	18427	D	50.27	109.84	40	FFFE	NO			CCCL LLLL	24.46 N	068.10 E	290078	143
2132401421	09/30/78	129	43	18453	D	50.07	110.88	90	EEEE	NO			CCCL LLLL	24.46 N	116.90 E	290078	192
2132201303	09/30/78	127	43	18425	D	50.29	109.76	40	EEFE	NO			CCCL LLLL	24.46 N	119.73 E	290078	413
2131614420	09/17/78	14	43	18349	D	50.83	106.65	NA	22F2	NO			CCCL HLLL	24.46 N	078.16 W	290077	809
2131714475	09/09/78	15	43	18363	D	50.73	107.20	20	E2EE	NO			CCCL HLLL	24.46 N	079.58 W	290078	42
2130014524	09/08/78	16	43	18126	D	52.01	098.05	20	FEFE	NO			CCCL LLLL	24.46 N	081.02 W	290077	227
2132101245	09/30/78	126	43	18411	D	50.39	109.18	20	FE2E	NO			CCCL LLLL	24.47 N	121.16 E	290078	347
2130404555	09/08/78	163	42	18176	D	51.77	101.85	90	FEFE	NO			CCCL LLLL	25.89 N	068.51 E	290077	626
2131714472	09/09/78	15	42	18363	D	50.53	109.07	20	E2EE	NO			CCCL HLLL	25.89 N	079.20 W	290078	41
2130014521	09/08/78	16	42	18126	D	52.04	100.04	30	EEEE	NO			CCCL LLLL	25.89 N	080.63 W	290077	226
2130114580	09/08/78	17	42	18140	D	51.96	100.51	30	EEEE	NO			CCCL LLLL	25.89 N	082.04 W	290077	242
2131216014	09/08/78	28	42	18294	D	51.03	106.36	20	EEEE	NO			CCCL LLLL	25.89 N	097.82 W	290077	612
2132204564	09/30/78	163	42	18427	D	50.00	111.68	20	FFFE	NO			CCCL LLLL	25.90 N	068.50 E	290078	142
2132101242	09/30/78	126	42	18411	D	50.14	111.04	NA	MMMM	NO			CCCL LLLL	25.90 N	121.55 E	0	0
2131614413	09/17/78	14	42	18349	D	50.64	108.53	NA	F2F2	NO			CCCL HLLL	25.90 N	077.77 W	290077	808
2131914590	09/24/78	17	42	18391	D	50.31	110.20	40	EEEE	NO			CCCL LLLL	25.90 N	082.08 W	290078	282
2130014515	09/08/78	16	41	18126	D	52.02	102.03	20	EEEE	NO			CCCL LLLL	27.32 N	080.23 W	290077	225
2130114574	09/08/78	17	41	18140	D	51.93	102.51	30	EEEE	NO			CCCL LLLL	27.32 N	081.64 W	290077	241

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2132015042	09/24/78	18	41	18405	D	49.91	112.58	40	EEEE	NO		CCCL	LLLL	27.32 N	083.08 W	290078	305
2131216012	09/08/78	28	41	18294	D	50.85	108.27	20	EEEE	NO		CCCL	LLLL	27.32 N	097.44 W	290077	611
2132204561	09/30/78	163	41	18427	D	49.69	113.51	0	FFFF	NO		CCCL	LLLL	27.33 N	068.88 E	290078	141
2130404552	09/08/78	163	41	18176	D	51.70	103.82	80	EEEE	NO		CCCL	LLLL	27.33 N	068.90 E	290077	625
2132303185	09/17/78	146	41	18440	D	49.57	114.00	90	EEEE	NO		CCCL	LLLL	27.33 N	093.25 E	290078	244
2123303142	09/30/78	146	41	17185	D	55.60	088.98	NA	MM22	NO		CCCL	LLLL	27.33 N	093.27 E	0	0
2131614411	09/17/78	14	41	18349	D	50.40	110.41	NA	2P22	NO		CCCL	HHLL	27.33 N	077.38 W	290077	807
2131714470	09/09/78	15	41	18363	D	50.29	110.92	50	FPFE	NO		CCCL	HHLL	27.33 N	078.80 W	290078	40
2131914583	09/24/78	17	41	18391	D	50.03	112.04	40	EEEE	NO		CCCL	LLLL	27.33 N	081.69 W	290078	281
2131002031	09/03/78	133	40	18258	D	50.94	108.78	NA	MMMM	NO		CCCL	LLLL	28.75 N	112.34 E	0	0
2130114571	09/08/78	17	40	18140	D	51.85	104.50	20	EEEE	NO		CCCL	LLLL	28.75 N	081.25 W	290077	240
2132015035	09/24/78	18	40	18405	D	49.58	114.38	30	EEEE	NO		CCCL	LLLL	28.75 N	082.68 W	290078	304
2125415350	09/02/78	24	40	17485	D	55.23	090.05	40	EEEE	NO		CCCL	LLLL	28.75 N	091.28 W	290077	428
2129015365	09/02/78	24	40	17987	D	52.85	099.47	10	EEEE	NO		CCCL	LLLL	28.75 N	091.30 W	290077	344
2124316144	09/02/78	31	40	17332	D	55.68	090.00	30	EEEE	NO		CCCL	LLLL	28.75 N	101.32 W	290077	124
2132204555	09/30/78	163	40	18427	D	49.34	115.30	0	FFFF	NO		CCCL	LLLL	28.76 N	069.28 E	290078	140
2130404550	09/08/78	163	40	18176	D	51.59	105.79	70	EEEE	NO		CCCL	LLLL	28.76 N	069.30 E	290077	624
2132104500	09/17/78	162	40	18413	D	49.48	114.77	10	EEEE	NO		CCCL	LLLL	28.76 N	070.72 E	290078	224
2123303135	09/30/78	146	40	17185	D	55.86	091.21	NA	M66M	NO		CCCL	LLLL	28.76 N	093.67 E	0	0
2132802040	09/30/78	133	40	18509	D	48.42	118.45	10	FE2E	NO		CCCL	LLLL	28.76 N	112.31 E	290078	505
2130901572	09/03/78	132	40	18244	D	51.06	108.27	90	EEFE	NO		CCCL	LLLL	28.76 N	113.76 E	290077	512
2130014512	09/08/78	16	40	18126	D	51.95	104.02	20	EEEE	NO		CCCL	LLLL	28.76 N	079.83 W	290077	224
2131914581	09/24/78	17	40	18391	D	49.72	113.86	30	EEEE	NO		CCCL	LLLL	28.76 N	081.29 W	290078	280
2132115094	09/30/78	19	40	18419	D	49.42	114.97	20	EEEE	NO		CCCL	LLLL	28.76 N	084.15 W	290078	443
2131216005	09/08/78	28	40	18294	D	50.63	110.16	20	EEEE	NO		CCCL	LLLL	28.76 N	097.05 W	290077	610
2122416080	09/02/78	30	40	17067	D	55.74	093.10	NA	2222	NO		CCCL	LLLL	28.76 N	099.92 W	0	0
2129916285	09/08/78	33	40	18113	D	52.04	103.57	20	EEEE	NO		CCCL	LLLL	28.76 N	104.21 W	290077	197
2131716295	09/08/78	33	40	18364	D	49.98	112.84	90	EEEE	NO		CCCL	LLLL	28.76 N	104.22 W	290077	740
2132303182	09/17/78	146	40	18440	D	49.20	115.78	90	EEEE	NO		CCCL	LLLL	28.77 N	093.66 E	290078	243
2120015323	09/02/78	24	40	16732	D	53.62	101.36	NA	MMMM	NO		CCCL	LLLL	28.77 N	091.36 W	0	0
2131102083	09/08/78	134	39	18272	D	50.58	111.22	30	EEEE	NO		CCCL	LLLL	30.18 N	111.32 E	290077	583
2130114565	09/08/78	17	39	18140	D	51.72	106.50	20	EEEE	NO		CCCL	LLLL	30.18 N	080.84 W	290077	239
2132015033	09/24/78	18	39	18405	D	49.21	116.16	10	EEEE	NO		CCCL	LLLL	30.18 N	082.27 W	290078	303
2130315082	09/02/78	19	39	18168	D	51.50	107.47	20	EEEE	NO		CCCL	LLLL	30.18 N	083.70 W	290077	353
2130515200	09/02/78	21	39	18196	D	51.26	108.46	10	EEEE	NO		CCCL	LLLL	30.18 N	086.57 W	290077	362
2125415343	09/02/78	24	39	17485	D	55.47	092.27	70	EEEE	NO		CCCL	LLLL	30.18 N	090.87 W	290077	427
2127315412	09/02/78	25	39	17750	D	54.26	095.58	20	EEEE	NO		CCCL	LLLL	30.18 N	092.30 W	290077	105
2124316141	09/02/78	31	39	17332	D	55.92	092.26	20	EEEE	NO		CCCL	LLLL	30.18 N	100.92 W	290077	123
2132104494	09/17/78	162	39	18413	D	49.10	116.54	10	EEEE	NO		CCCL	LLLL	30.19 N	071.13 E	290078	223
2123503250	09/17/78	148	39	17213	D	56.06	093.19	70	EEFE	NO		CCCL	LLLL	30.19 N	091.21 E	290078	98

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME	
2123303133	09/30/78	146	39	17185	D	56.06	093.50	NA	MMMM	NO			CCCL LLLL	30.19 N	094.08 E	0	0
2132902092	09/30/78	134	39	18523	D	47.77	120.66	10	FE2E	NO			CCCL LLLL	30.19 N	111.29 E	290078	531
2132802034	09/30/78	133	39	18509	D	47.95	120.14	10	EE2E	NO			CCCL LLLL	30.19 N	112.72 E	290078	504
2131002024	09/03/78	133	39	18258	D	50.71	110.70	NA	M222	NO			CCCL LLLL	30.19 N	112.75 E	0	0
2130901565	09/03/78	132	39	18244	D	50.84	110.20	40	EEFE	NO			CCCL LLLL	30.19 N	114.16 E	290077	511
2132301344	09/17/78	128	39	18439	D	48.81	117.50	20	EEEE	NO			CCCL LLLL	30.19 N	119.90 E	290078	235
2132201285	09/30/78	127	39	18425	D	48.97	116.97	20	EEME	NO			CCCL LLLL	30.19 N	121.33 E	290078	376
2130401280	09/17/78	127	39	18174	D	51.45	107.66	60	EEEE	NO			CCCL LLLL	30.19 N	121.34 E	290077	279
2130014510	09/08/78	16	39	18126	D	51.84	106.02	20	EEEE	NO			CCCL LLLL	30.19 N	079.42 W	290077	223
2132115092	09/30/78	19	39	18419	D	49.04	116.75	10	EEEE	NO			CCCL LLLL	30.19 N	083.73 W	290078	442
2130615254	09/30/78	22	39	18210	D	51.14	108.95	20	EEEE	NO			CCCL LLLL	30.19 N	088.03 W	290077	543
2129015362	09/02/78	24	39	17987	D	52.85	101.54	0	EEEE	NO			CCCL LLLL	30.19 N	090.89 W	290077	343
2130815372	09/02/78	24	39	18238	D	50.89	110.00	20	EEEE	NO			CCCL LLLL	30.19 N	090.89 W	290077	395
2130915431	09/17/78	25	39	18252	D	50.76	110.48	10	EEEE	NO			CCCL LLLL	30.19 N	092.34 W	290078	63
2131015485	09/09/78	26	39	18266	D	50.63	111.00	60	FEFE	NO			CCCL LLLL	30.19 N	093.77 W	290078	12
2132815494	09/30/78	26	39	18517	D	47.84	120.46	90	EEFE	NO			CCCL LLLL	30.19 N	093.78 W	290078	454
2131216003	09/08/78	28	39	18294	D	50.36	112.03	20	EEEE	NO			CCCL LLLL	30.19 N	096.65 W	290077	609
2122416074	09/02/78	30	39	17067	D	55.90	095.37	40	EEEE	NO			CCCL LLLL	30.19 N	099.52 W	290077	416
2129916283	09/08/78	33	39	18113	D	51.94	105.58	20	EEEE	NO			CCCL LLLL	30.19 N	103.80 W	290077	196
2131716292	09/08/78	33	39	18364	D	49.65	114.66	90	EEEE	NO			CCCL LLLL	30.19 N	103.82 W	290077	739
2131914574	09/24/78	17	39	18391	D	49.36	115.67	50	EEEE	NO			CCCL LLLL	30.20 N	080.88 W	290078	279
2132615381	09/30/78	24	39	18489	D	48.20	119.39	90	EEEE	NO			CCCL LLLL	30.20 N	090.93 W	290078	433
2120015321	09/02/78	24	39	16732	D	53.57	103.48	100	EEFE	NO			CCCL LLLL	30.21 N	090.96 W	290077	95
2111415501	09/24/78	28	39	15533	D	29.19	131.32	NA	MMMM	NO			CCCL LLLL	30.21 N	096.70 W	0	0
2131102080	09/08/78	134	38	18272	D	50.29	113.11	20	EEEE	NO			CCCL LLLL	31.61 N	111.75 E	290077	582
2132015030	09/24/78	18	38	18405	D	48.80	117.94	30	EEEE	NO			CCCL LLLL	31.61 N	081.86 W	290078	302
2130315080	09/02/78	19	38	18168	D	51.30	109.44	20	EEEE	NO			CCCL LLLL	31.61 N	083.29 W	290077	352
2130515193	09/02/78	21	38	18196	D	51.04	110.41	10	EEEE	NO			CCCL LLLL	31.61 N	086.15 W	290077	361
2125415341	09/02/78	24	38	17485	D	55.65	094.55	80	EEEE	NO			CCCL LLLL	31.61 N	090.46 W	290077	426
2127315405	09/02/78	25	38	17750	D	54.36	097.77	10	EEEE	NO			CCCL LLLL	31.61 N	091.89 W	290077	104
2124316135	09/02/78	31	38	17332	D	56.10	094.56	10	EEEE	NO			CCCL LLLL	31.61 N	100.50 W	290077	122
2130817201	09/03/78	42	38	18239	D	50.63	111.91	10	EEEE	NO			CCCL LLLL	31.61 N	116.28 W	290077	510
2132104491	09/17/78	162	38	18413	D	48.69	118.29	10	EEEE	NO			CCCL LLLL	31.62 N	071.54 E	290078	222
2123503244	09/17/78	148	38	17213	D	56.22	095.51	70	EEFE	NO			CCCL LLLL	31.62 N	091.62 E	290078	97
2123303130	09/30/78	146	38	17185	D	56.22	095.82	NA	2222	NO			CCCL LLLL	31.62 N	094.50 E	0	0
2132902090	09/30/78	134	38	18523	D	47.26	122.30	10	FE2E	NO			CCCL LLLL	31.62 N	111.70 E	290078	530
2132802031	09/30/78	133	38	18509	D	47.45	121.80	10	FE2E	NO			CCCL LLLL	31.62 N	113.13 E	290078	503
2131002022	09/03/78	133	38	18258	D	50.43	112.60	50	EEEE	NO			CCCL LLLL	31.62 N	113.16 E	290077	531
2130901563	09/03/78	132	38	18244	D	50.57	112.13	NA	6666	NO			CCCL LLLL	31.62 N	114.58 E	0	0
2132301341	09/17/78	128	38	18439	D	48.36	119.25	20	EEEE	NO			CCCL LLLL	31.62 N	120.32 E	290078	234

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2132201283	09/30/78	127	38	18425	D	48.54	118.71	10	EF2E	NO			CCCL LLLL	31.62 N 121.75 E	290078	375
2130401273	09/17/78	127	38	18174	D	51.25	109.63	30	EEEE	NO			CCCL LLLL	31.62 N 121.76 E	290077	278
2130014503	09/08/78	16	38	18126	D	51.67	108.02	20	EEEE	NO			CCCL LLLL	31.62 N 079.01 W	290077	222
2130114562	09/08/78	17	38	18140	D	51.55	108.50	30	EEEE	NO			CCCL LLLL	31.62 N 080.43 W	290077	238
2132115085	09/30/78	19	38	18419	D	48.62	118.50	10	EEEE	NO			CCCL LLLL	31.62 N 083.32 W	290078	441
2130615252	09/30/78	22	38	18210	D	50.91	110.89	10	EEEE	NO			CCCL LLLL	31.62 N 087.61 W	290077	542
2132415261	09/30/78	22	38	18461	D	48.08	120.05	10	EEEE	NO			CCCL LLLL	31.62 N 087.62 W	290078	561
2130715311	09/03/78	23	38	18224	D	50.77	111.39	10	EEEE	NO			CCCL LLLL	31.62 N 089.05 W	290077	480
2132515320	09/30/78	23	38	18475	D	47.90	120.54	40	FFFF	NO			CCCL LLLL	31.62 N 089.06 W	290078	208
2129015360	09/02/78	24	38	17987	D	52.80	103.63	0	EEEE	NO			CCCL LLLL	31.62 N 090.47 W	290077	342
2130815365	09/02/78	24	38	18238	D	50.63	111.90	10	EEEE	NO			CCCL LLLL	31.62 N 090.48 W	290077	394
2130915424	09/17/78	25	38	18252	D	50.49	112.39	10	EEFE	NO			CCCL LLLL	31.62 N 091.92 W	290078	62
2131015483	09/09/78	26	38	18266	D	50.35	112.89	20	EEEE	NO			CCCL LLLL	31.62 N 093.36 W	290078	11
2132815492	09/30/78	26	38	18517	D	47.33	122.11	90	EEFE	NO			CCCL LLLL	31.62 N 093.37 W	290078	453
2131115541	09/17/78	27	38	18280	D	50.20	113.40	30	EEEE	NO			CCCL LLLL	31.62 N 094.78 W	290077	770
2131216000	09/08/78	28	38	18294	D	50.05	113.90	10	EEEE	NO			CCCL LLLL	31.62 N 096.23 W	290077	608
2129916280	09/08/78	33	38	18113	D	51.79	107.59	10	EEEE	NO			CCCL LLLL	31.62 N 103.38 W	290077	195
2131716290	09/08/78	33	38	18364	D	49.28	116.47	50	EEEE	NO			CCCL LLLL	31.62 N 103.41 W	290077	738
2130216453	09/02/78	36	38	18155	D	51.42	108.98	10	EEEE	NO			CCCL LLLL	31.62 N 107.69 W	290077	302
2132016462	09/24/78	36	38	18406	D	48.78	118.01	10	EEEE	NO			CCCL LLLL	31.62 N 107.70 W	290078	319
2130416570	09/02/78	38	38	18183	D	51.16	109.96	10	EEEE	NO			CCCL LLLL	31.62 N 110.56 W	290077	320
2130517025	09/02/78	39	38	18197	D	51.03	110.44	10	EEFE	NO			CCCL LLLL	31.62 N 112.00 W	290077	378
2132517151	09/24/78	41	38	18476	D	47.89	120.59	10	EEEE	NO			CCCL LLLL	31.62 N 114.88 W	290078	335
2131914572	09/24/78	17	38	18391	D	48.96	117.46	60	EEEE	NO			CCCL LLLL	31.63 N 080.46 W	290078	278
2132615375	09/30/78	24	38	18489	D	47.71	121.08	60	EEEE	NO			CCCL LLLL	31.63 N 090.51 W	290078	432
2122416071	09/02/78	30	38	17067	D	56.01	097.68	10	EEFE	NO			CCCL LLLL	31.63 N 099.11 W	290077	415
2120015314	09/02/78	24	38	16732	D	53.47	105.60	100	EEEE	NO			CCCL LLLL	31.64 N 090.54 W	290077	94
2111415495	09/24/78	28	38	15533	D	28.44	132.17	NA	MMMM	NO			CCCL LLLL	31.64 N 096.28 W	0	0
2132015024	09/24/78	18	37	18405	D	48.34	119.70	60	EEEE	NO			CCCL LLLL	33.04 N 081.43 W	290078	301
2130315073	09/02/78	19	37	18168	D	51.06	111.40	10	EEEE	NO			CCCL LLLL	33.04 N 082.86 W	290077	351
2132215141	09/30/78	20	37	18433	D	47.96	120.73	10	EEEE	NO			CCCL LLLL	33.04 N 084.30 W	290078	422
2130515191	09/02/78	21	37	18196	D	50.77	112.35	10	EEEE	NO			CCCL LLLL	33.04 N 085.72 W	290077	360
2130615245	09/30/78	22	37	18210	D	50.63	112.81	10	EEEE	NO			CCCL LLLL	33.04 N 087.17 W	290077	541
2130715304	09/03/78	23	37	18224	D	50.48	113.30	10	EEFE	NO			CCCL LLLL	33.04 N 088.61 W	290077	479
2125415334	09/02/78	24	37	17485	D	55.78	096.86	50	EEEE	NO			CCCL LLLL	33.04 N 090.03 W	290077	425
2129015353	09/02/78	24	37	17987	D	52.70	105.71	10	EEEE	NO			CCCL LLLL	33.04 N 090.04 W	290077	341
2127315403	09/02/78	25	37	17750	D	54.41	099.96	10	EEEE	NO			CCCL LLLL	33.04 N 091.47 W	290077	103
2124316132	09/02/78	31	37	17332	D	56.23	096.91	10	EEEE	NO			CCCL LLLL	33.04 N 100.07 W	290077	121
2127916151	09/02/78	31	37	17834	D	53.86	101.77	40	EEEE	NO			CCCL LLLL	33.04 N 100.08 W	290077	161
2129916274	09/08/78	33	37	18113	D	51.59	109.59	0	EEEE	NO			CCCL LLLL	33.04 N 102.95 W	290077	194

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2130416563	09/02/78	38	37	18183	D	50.91	111.91	10	EEEE	NO		CCCL	LLLL	33.04 N	110.12 W	290077	319
2130817194	09/03/78	42	37	18239	D	50.32	113.81	0	EEEE	NO		CCCL	LLLL	33.04 N	115.85 W	290077	509
2132104485	09/17/78	162	37	18413	D	48.23	120.03	30	EEEE	NO		CCCL	LLLL	33.05 N	071.97 E	290078	221
2123503241	09/17/78	148	37	17213	D	56.33	097.86	80	EFEE	NO		CCCL	LLLL	33.05 N	092.05 E	290078	96
2132902083	09/30/78	134	37	18523	D	46.71	123.92	40	FE2E	NO		CCCL	LLLL	33.05 N	112.12 E	290078	529
2123902041	09/17/78	134	37	17268	D	56.31	097.29	NA	MMMM	NO		CCCL	LLLL	33.05 N	112.13 E	0	0
2131102074	09/08/78	134	37	18272	D	49.96	114.96	30	EEEE	NO		CCCL	LLLL	33.05 N	112.15 E	290077	581
2132802024	09/30/78	133	37	18509	D	46.90	123.45	10	FF2E	NO		CCCL	LLLL	33.05 N	113.56 E	290078	502
2131002015	09/03/78	133	37	18258	D	50.11	114.50	40	EEEE	NO		CCCL	LLLL	33.05 N	113.58 E	290077	530
2130901560	09/02/78	132	37	18244	D	50.26	114.03	70	FEFE	NO		CCCL	LLLL	33.05 N	115.00 E	290077	404
2132301335	09/17/78	128	37	18439	D	47.88	120.94	20	EEEE	NO		CCCL	LLLL	33.05 N	120.75 E	290078	233
2130014501	09/08/78	16	37	18126	D	51.47	110.01	30	EEEE	NO		CCCL	LLLL	33.05 N	078.58 W	290077	221
2130114560	09/08/78	17	37	18140	D	51.33	110.47	40	EEEE	NO		CCCL	LLLL	33.05 N	080.01 W	290077	237
2131914565	09/24/78	17	37	18391	D	48.51	119.25	80	EEEE	NO		CCCL	LLLL	33.05 N	080.03 W	290078	277
2132115083	09/30/78	19	37	18419	D	48.15	120.22	10	EEEE	NO		CCCL	LLLL	33.05 N	082.89 W	290078	440
2132415255	09/30/78	22	37	18461	D	47.59	121.72	10	EEEE	NO		CCCL	LLLL	33.05 N	087.19 W	290078	560
2132515313	09/30/78	23	37	18475	D	47.39	122.22	0	FFFF	NO		CCCL	LLLL	33.05 N	088.62 W	290078	207
2130815363	09/03/78	24	37	18238	D	50.33	113.80	10	EEEE	NO		CCCL	LLLL	33.05 N	090.06 W	290077	494
2132615372	09/30/78	24	37	18489	D	47.19	122.75	40	EEEE	NO		CCCL	LLLL	33.05 N	090.08 W	290078	431
2130915421	09/17/78	25	37	18252	D	50.17	114.29	0	EEFE	NO		CCCL	LLLL	33.05 N	091.50 W	290078	61
2131015480	09/09/78	26	37	18266	D	50.02	114.77	10	EEFE	NO		CCCL	LLLL	33.05 N	092.93 W	290078	10
2132815485	09/30/78	26	37	18517	D	46.79	123.73	100	EEFE	NO		CCCL	LLLL	33.05 N	092.93 W	290078	452
2131115535	09/17/78	27	37	18280	D	49.86	115.26	10	EEEE	NO		CCCL	LLLL	33.05 N	094.37 W	290077	769
2131215594	09/08/78	28	37	18294	D	49.70	115.75	10	EEEE	NO		CCCL	LLLL	33.05 N	095.81 W	290077	607
2122416065	09/02/78	30	37	17067	D	56.06	100.01	10	EEEE	NO		CCCL	LLLL	33.05 N	098.68 W	290077	414
2131516170	09/08/78	31	37	18336	D	49.21	117.25	50	EEEE	NO		CCCL	LLLL	33.05 N	100.10 W	290077	688
2131716283	09/08/78	33	37	18364	D	48.86	118.26	10	EEEE	NO		CCCL	LLLL	33.05 N	102.98 W	290077	737
2130216450	09/02/78	36	37	18155	D	51.19	110.94	30	EEEE	NO		CCCL	LLLL	33.05 N	107.27 W	290077	301
2132016455	09/24/78	36	37	18406	D	48.33	119.75	50	EEEE	NO		CCCL	LLLL	33.05 N	107.28 W	290078	318
2130517022	09/02/78	39	37	18197	D	50.76	112.37	10	EEEE	NO		CCCL	LLLL	33.05 N	111.57 W	290077	377
2132517145	09/24/78	41	37	18476	D	47.38	122.27	10	EEEE	NO		CCCL	LLLL	33.05 N	114.46 W	290078	334
2131117371	09/08/78	45	37	18281	D	49.85	115.30	80	EEEE	NO		CCCL	LLLL	33.05 N	120.18 W	290077	591
2120015312	09/02/78	24	37	16732	D	53.32	107.73	70	EEEE	NO		CCCL	LLLL	33.06 N	090.11 W	290077	93
2111415492	09/24/78	28	37	15533	D	27.68	133.00	NA	MMMM	NO		CCCL	LLLL	33.07 N	095.86 W	0	0
2117306015	09/24/78	176	37	16350	D	46.47	117.43	10	EEEE	NO		CCCL	LLLL	33.08 N	051.81 E	290077	9
2132301332	09/17/78	128	36	16439	D	47.37	122.61	50	EEEE	NO		CCCL	LLLL	34.47 N	121.19 E	290078	232
2130014494	09/08/78	16	36	18126	D	51.22	112.00	30	EEEE	NO		CCCL	LLLL	34.47 N	078.14 W	290077	220
2130114553	09/08/78	17	36	18140	D	51.07	112.44	50	EEEE	NO		CCCL	LLLL	34.47 N	079.57 W	290077	236
2132015021	09/24/78	18	36	18405	D	47.85	121.43	70	EEEE	NO		CCCL	LLLL	34.47 N	081.00 W	290078	300
2130315071	09/02/78	19	36	18166	D	50.77	113.35	10	EEEE	NO		CCCL	LLLL	34.47 N	082.42 W	290077	350

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2128515061	09/02/78	19	36	17917	D	53.16	105.92	10	EEEE	NO			CCCL LLLL	34.47 N 082.44 W	290077	327
2132115080	09/30/78	19	36	18419	D	47.65	121.94	10	EEEE	NO			CCCL LLLL	34.47 N 082.44 W	290078	439
2132215135	09/30/78	20	36	18433	D	47.45	122.42	40	EEEE	NO			CCCL LLLL	34.47 N 083.87 W	290078	421
2130515184	09/02/78	21	36	18196	D	50.46	114.27	10	EEEE	NO			CCCL LLLL	34.47 N 085.29 W	290077	359
2130615243	09/30/78	22	36	18210	D	50.31	114.72	30	EEEE	NO			CCCL LLLL	34.47 N 086.73 W	290077	540
2132415252	09/30/78	22	36	18461	D	47.05	123.37	10	EEEE	NO			CCCL LLLL	34.47 N 086.75 W	290078	559
2130715302	09/03/78	23	36	18224	D	50.15	115.20	10	EEEE	NO			CCCL LLLL	34.47 N 088.17 W	290077	478
2132515311	09/30/78	23	36	18475	D	46.84	123.87	0	FFFF	NO			CCCL LLLL	34.47 N 088.18 W	290078	206
2125415332	09/02/78	24	36	17485	D	55.86	099.20	10	EEEE	NO			CCCL LLLL	34.47 N 089.59 W	290077	424
2129015351	09/02/78	24	36	17987	D	52.56	107.80	90	EEEE	NO			CCCL LLLL	34.47 N 089.60 W	290077	340
2130815360	09/03/78	24	36	18238	D	49.98	115.67	10	EEEE	NO			CCCL LLLL	34.47 N 089.62 W	290077	493
2127315400	09/02/78	25	36	17750	D	54.41	102.18	10	EEEE	NO			CCCL LLLL	34.47 N 091.03 W	290077	102
2127916144	09/02/78	31	36	17834	D	53.81	103.93	20	PPFF	NO			CCCL LLLL	34.47 N 099.64 W	290077	160
2129916271	09/08/78	33	36	18113	D	51.35	111.58	10	EEEE	NO			CCCL LLLL	34.47 N 102.52 W	290077	193
2130416561	09/02/78	38	36	18183	D	50.61	113.85	50	EEEE	NO			CCCL LLLL	34.47 N 109.69 W	290077	318
2130817192	09/03/78	42	36	18239	D	49.97	115.69	0	EEEE	NO			CCCL LLLL	34.47 N 115.42 W	290077	508
2130917251	09/30/78	43	36	18253	D	49.81	116.17	0	EEEE	NO			CCCL LLLL	34.47 N 116.86 W	290077	555
2131117364	09/08/78	45	36	18281	D	49.47	117.14	10	EEEE	NO			CCCL LLLL	34.47 N 119.73 W	290077	590
2132104482	09/17/78	162	36	18413	D	47.73	121.75	10	EEEE	NO			CCCL LLLL	34.48 N 072.41 E	290078	220
2123503235	09/17/78	148	36	17213	D	56.38	100.23	80	EEEE	NO			CCCL LLLL	34.48 N 092.50 E	290078	95
2131914563	09/24/78	17	36	18391	D	48.04	120.97	70	EEEE	NO			CCCL LLLL	34.48 N 079.59 W	290078	276
2132615370	09/30/78	24	36	18489	D	46.63	124.36	50	EEEE	NO			CCCL LLLL	34.48 N 089.64 W	290078	430
2130915415	09/17/78	25	36	18252	D	49.82	116.16	0	EEFE	NO			CCCL LLLL	34.48 N 091.06 W	290078	60
2131015474	09/09/78	26	36	18266	D	49.65	116.62	10	EEFE	NO			CCCL LLLL	34.48 N 092.50 W	290078	9
2132815483	09/30/78	26	36	18517	D	46.21	125.32	100	EEFE	NO			CCCL LLLL	34.48 N 092.50 W	290078	451
2131115532	09/17/78	27	36	18280	D	49.48	117.10	20	EEEE	NO			CCCL LLLL	34.48 N 093.93 W	290077	768
2134215591	09/08/78	28	36	18294	D	49.31	117.59	10	EEFE	NO			CCCL LLLL	34.48 N 095.37 W	290077	606
2122416062	09/02/78	30	36	17067	D	56.05	102.36	0	EEEE	NO			CCCL LLLL	34.48 N 098.25 W	290077	413
2131516163	09/08/78	31	36	18336	D	48.78	119.04	30	EEEE	NO			CCCL LLLL	34.48 N 099.66 W	290077	687
2131716281	09/08/78	33	36	18364	D	48.41	120.02	10	EEEE	NO			CCCL LLLL	34.48 N 102.54 W	290077	736
2130216444	09/02/78	36	36	18155	D	50.91	112.90	10	EEEE	NO			CCCL LLLL	34.48 N 106.84 W	290077	300
2132016453	09/24/78	36	36	18406	D	47.84	121.46	50	EEEE	NO			CCCL LLLL	34.48 N 106.85 W	290078	317
2130517020	09/02/78	39	36	18197	D	50.45	114.30	20	EEEE	NO			CCCL LLLL	34.48 N 111.14 W	290077	376
2132517142	09/24/78	41	36	18476	D	46.83	123.90	10	EEEE	NO			CCCL LLLL	34.48 N 114.02 W	290078	333
2130901554	09/02/78	132	36	18244	D	49.91	115.90	60	EEEE	NO			CCCL LLLL	34.49 N 115.42 E	290077	403
2120015305	09/02/78	24	36	16732	D	53.12	109.85	10	EEEE	NO			CCCL LLLL	34.49 N 089.67 W	290077	92
2111415490	09/24/78	28	36	15533	D	26.90	133.82	NA	MMMM	NO			CCCL LLLL	34.49 N 095.42 W	0	0
2131416105	09/08/78	30	36	18322	D	48.95	118.56	80	FEFF	NO			CCCL LLLL	34.49 N 098.27 W	290077	668
2115806175	09/30/78	179	36	16141	D	41.03	123.44	50	EEEE	NO			CCCL LLLL	34.50 N 047.97 E	290077	35
2117306012	09/24/78	176	36	16350	D	46.04	119.07	20	EEEE	NO			CCCL LLLL	34.50 N 052.25 E	290077	8

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2130315064	09/02/78	19	35	18168	D	50.44	115.28	40	EEEE	NO			CCCL LLLL	35.89 N 081.97 W	290077	349
2130515182	09/02/78	21	35	18196	D	50.11	116.17	10	EEEE	NO			CCCL LLLL	35.89 N 084.84 W	290077	358
2130615240	09/30/78	22	35	18210	D	49.95	116.60	70	EEEE	NO			CCCL LLLL	35.89 N 086.28 W	290077	539
2130715295	09/03/78	23	35	18224	D	49.77	117.06	0	EEEE	NO			CCCL LLLL	35.89 N 087.72 W	290077	477
2125415325	09/02/78	24	35	17485	D	55.88	101.55	0	EEEE	NO			CCCL LLLL	35.89 N 089.14 W	290077	423
2127315394	09/02/78	25	35	17750	D	54.36	104.41	0	EEEE	NO			CCCL LLLL	35.89 N 090.58 W	290077	101
2128016201	09/02/78	32	35	17848	D	53.60	106.41	10	EEEE	NO			CCCL LLLL	35.89 N 100.62 W	290077	118
2132301330	09/17/78	128	35	18439	D	46.82	124.26	50	EEEE	NO			CCCL LLLL	35.90 N 121.64 E	290078	231
2130014492	09/08/78	16	35	18126	D	50.92	113.95	NA	MMMM	NO			CCCL LLLL	35.90 N 077.68 W	0	0
2130114551	09/08/78	17	35	18140	D	50.76	114.39	40	EFEE	NO			CCCL LLLL	35.90 N 079.13 W	290077	235
2132015015	09/24/78	18	35	18405	D	47.32	123.13	70	EEEE	NO			CCCL LLLL	35.90 N 080.56 W	290078	299
2128515055	09/02/78	19	35	17917	D	53.01	108.05	50	EEEE	NO			CCCL LLLL	35.90 N 082.00 W	290077	326
2132115073	09/30/78	19	35	18419	D	47.11	123.62	10	EEEE	NO			CCCL LLLL	35.90 N 082.00 W	290078	436
2132215132	09/30/78	20	35	18433	D	46.91	124.08	20	EEEE	NO			CCCL LLLL	35.90 N 083.42 W	290078	420
2132415250	09/30/78	22	35	18461	D	46.49	125.00	10	EEEE	NO			CCCL LLLL	35.90 N 086.30 W	290078	558
2132515304	09/30/78	23	35	18475	D	46.26	125.48	0	EEEE	NO			CCCL LLLL	35.90 N 087.73 W	290078	205
2129015344	09/02/78	24	35	17987	D	52.36	109.87	90	EEEE	NO			CCCL LLLL	35.90 N 089.15 W	290077	339
2130815354	09/03/78	24	35	18238	D	49.60	117.53	0	EEEE	NO			CCCL LLLL	35.90 N 089.17 W	290077	492
2130915412	09/17/78	25	35	18252	D	49.42	118.01	0	EEEE	NO			CCCL LLLL	35.90 N 090.62 W	290078	59
2131015471	09/09/78	26	35	18266	D	49.24	118.45	0	EEEE	NO			CCCL LLLL	35.90 N 092.04 W	290078	8
2132815480	09/30/78	26	35	18517	D	45.60	126.88	70	EFEE	NO			CCCL LLLL	35.90 N 092.05 W	290078	450
2131115530	09/17/78	27	35	18280	D	49.06	118.92	10	EEEE	NO			CCCL LLLL	35.90 N 093.48 W	290077	767
2131215585	09/08/78	28	35	18294	D	48.87	119.40	10	EEEE	NO			CCCL LLLL	35.90 N 094.91 W	290077	605
2127916142	09/02/78	31	35	17834	D	53.72	106.10	10	EEEE	NO			CCCL LLLL	35.90 N 099.20 W	290077	438
2131516161	09/08/78	31	35	18336	D	48.31	120.80	30	EEEE	NO			CCCL LLLL	35.90 N 099.22 W	290077	686
2129916265	09/08/78	33	35	18113	D	51.06	113.56	10	EEEE	NO			CCCL LLLL	35.90 N 102.07 W	290077	192
2130216441	09/02/78	36	35	18155	D	50.59	114.84	0	EEEE	NO			CCCL LLLL	35.90 N 106.39 W	290077	299
2130416554	09/02/78	38	35	18183	D	50.26	115.76	30	EEEE	NO			CCCL LLLL	35.90 N 109.25 W	290077	317
2130517013	09/02/78	39	35	18197	D	50.10	116.20	20	EEEE	NO			CCCL LLLL	35.90 N 110.69 W	290077	375
2130817185	09/03/78	42	35	18239	D	49.59	117.56	0	EEEE	NO			CCCL LLLL	35.90 N 114.98 W	290077	507
2130917244	09/30/78	43	35	18253	D	49.41	118.02	0	EEEE	NO			CCCL LLLL	35.90 N 116.42 W	290077	554
2131117362	09/08/78	45	35	18281	D	49.05	118.95	0	EEEE	NO			CCCL LLLL	35.90 N 119.28 W	290077	589
2123503232	09/17/78	148	35	17213	D	56.37	102.62	90	EFEE	NO			CCCL LLLL	35.91 N 092.93 E	290078	94
2130901551	09/02/78	132	35	18244	D	49.52	117.75	60	EEEE	NO			CCCL LLLL	35.91 N 115.86 E	290077	402
2131914560	09/24/78	17	35	18391	D	47.52	122.67	70	EEEE	NO			CCCL LLLL	35.91 N 079.15 W	290078	275
2132615363	09/30/78	24	35	18489	D	46.04	125.95	30	EEEE	NO			CCCL LLLL	35.91 N 089.19 W	290078	429
2122416060	09/02/78	30	35	17067	D	55.99	104.72	10	EEEE	NO			CCCL LLLL	35.91 N 097.79 W	290077	412
2131416102	09/08/78	30	35	18322	D	48.49	120.35	80	EEEE	NO			CCCL LLLL	35.91 N 097.80 W	290077	667
2131716274	09/08/78	33	35	18364	D	47.92	121.75	0	EEEE	NO			CCCL LLLL	35.91 N 102.10 W	290077	735
2132016450	09/24/78	36	35	18406	D	47.31	123.15	10	EEEE	NO			CCCL LLLL	35.91 N 106.40 W	290078	316

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2132517140	09/24/78	41	35	18476	D	46.25	125.51	10	EEEE	NO		CCCL	LLLL	35.91 N	113.57 W	290078	332
2115806172	09/30/78	179	35	16141	D	40.47	124.79	50	EEEE	NO		CCCL	LLLL	35.92 N	048.42 E	290077	34
2120015303	09/02/78	24	35	16732	D	52.88	111.95	20	EEEE	NO		CCCL	LLLL	35.92 N	089.23 W	290077	91
2111415483	09/24/78	28	35	15533	D	26.10	134.63	NA	MMMM	NO		CCCL	LLLL	35.92 N	094.97 W	0	0
2117306010	09/24/78	176	35	16350	D	45.58	120.69	30	EEEE	NO		CCCL	LLLL	35.93 N	052.70 E	290077	7
2128810125	09/02/78	219	34	17956	D	52.44	111.14	10	EEEE	NO		CCCL	LLLL	37.32 N	008.39 W	290077	165
2130014485	09/08/78	16	34	18126	D	50.58	115.90	70	EEEE	NO		CCCL	LLLL	37.32 N	077.23 W	290077	219
2130315062	09/02/78	19	34	18168	D	50.07	117.19	70	EEEE	NO		CCCL	LLLL	37.32 N	081.52 W	290077	348
2128515052	09/02/78	19	34	17917	D	52.82	110.17	90	EEEE	NO		CCCL	LLLL	37.32 N	081.53 W	290077	325
2132115071	09/30/78	19	34	18419	D	46.55	125.25	50	EEEE	NO		CCCL	LLLL	37.32 N	081.53 W	290078	437
2130515175	09/02/78	21	34	18196	D	49.72	118.04	10	EEEE	NO		CCCL	LLLL	37.32 N	084.39 W	290077	357
2130615234	09/30/78	22	34	18210	D	49.54	118.47	20	EEEE	NO		CCCL	LLLL	37.32 N	085.82 W	290077	538
2132415243	09/30/78	22	34	18461	D	45.88	126.59	10	EEEE	NO		CCCL	LLLL	37.32 N	085.84 W	290078	557
2130715293	09/03/78	23	34	18224	D	49.36	118.91	10	EEEE	NO		CCCL	LLLL	37.32 N	087.26 W	290077	476
2132515302	09/30/78	23	34	18475	D	45.65	127.06	10	EEEE	NO		CCCL	LLLL	37.32 N	087.27 W	290078	204
2125415323	09/02/78	24	34	17485	D	55.85	103.91	0	EEEE	NO		CCCL	LLLL	37.32 N	088.69 W	290077	422
2129015342	09/02/78	24	34	17987	D	52.12	111.94	80	EEEE	NO		CCCL	LLLL	37.32 N	088.69 W	290077	338
2130815351	09/03/78	24	34	18238	D	49.17	119.38	10	EEEE	NO		CCCL	LLLL	37.32 N	088.70 W	290077	491
2127315391	09/02/78	25	34	17750	D	54.25	106.65	10	EEEE	NO		CCCL	LLLL	37.32 N	090.12 W	290077	100
2127916140	09/02/78	31	34	17834	D	53.57	108.28	10	EEEE	NO		CCCL	LLLL	37.32 N	098.75 W	290077	437
2128016194	09/02/78	32	34	17848	D	53.45	108.59	10	EEEE	NO		CCCL	LLLL	37.32 N	100.16 W	290077	117
2129916262	09/08/78	33	34	18113	D	50.73	115.51	0	EEEE	NO		CCCL	LLLL	37.32 N	101.61 W	290077	191
2130416552	09/02/78	38	34	18183	D	49.88	117.64	10	EEEE	NO		CCCL	LLLL	37.32 N	108.77 W	290077	316
2130817183	09/03/78	42	34	18239	D	49.16	119.40	0	EEEE	NO		CCCL	LLLL	37.32 N	114.51 W	290077	506
2130917242	09/30/78	43	34	18253	D	48.97	119.85	0	EEEE	NO		CCCL	LLLL	37.32 N	115.95 W	290077	553
2131117355	09/08/78	45	34	18281	D	48.59	120.73	0	EEEE	NO		CCCL	LLLL	37.32 N	118.82 W	290077	588
2123503230	09/17/78	148	34	17213	D	56.31	105.02	90	EEEE	NO		CCCL	LLLL	37.33 N	093.39 E	290078	93
2132401382	09/30/78	129	34	18453	D	46.01	126.33	100	EEEE	NO		CCCL	LLLL	37.33 N	120.65 E	290078	191
2132301323	09/17/78	128	34	18439	D	46.24	125.88	70	EEEE	NO		CCCL	LLLL	37.33 N	122.10 E	290078	230
2130610135	09/02/78	219	34	18207	D	49.58	116.40	10	EEEE	NO		CCCL	LLLL	37.33 N	008.42 W	290077	462
2130114544	09/08/78	17	34	18140	D	50.41	116.32	40	EEEE	NO		CCCL	LLLL	37.33 N	078.67 W	290077	234
2131914554	09/24/78	17	34	18391	D	46.97	124.36	50	EEEE	NO		CCCL	LLLL	37.33 N	078.69 W	290078	274
2132015012	09/24/78	18	34	18405	D	46.76	124.80	60	EEEE	NO		CCCL	LLLL	37.33 N	080.11 W	290078	298
2132215130	09/30/78	20	34	18433	D	46.33	125.70	10	EEEE	NO		CCCL	LLLL	37.33 N	082.98 W	290078	419
2132615361	09/30/78	24	34	18489	D	45.42	127.52	10	EEEE	NO		CCCL	LLLL	37.33 N	088.72 W	290078	428
2130915410	09/17/78	25	34	18252	D	48.98	119.83	0	EEEE	NO		CCCL	LLLL	37.33 N	090.16 W	290078	58
2131015465	09/09/78	26	34	18266	D	48.79	120.26	0	EEEE	NO		CCCL	LLLL	37.33 N	091.58 W	290078	7
2132815474	09/30/78	26	34	18517	D	44.96	128.39	10	EEEE	NO		CCCL	LLLL	37.33 N	091.58 W	290078	449
2131115523	09/17/78	27	34	18280	D	48.60	120.72	30	EEEE	NO		CCCL	LLLL	37.33 N	093.01 W	290077	766
2132915533	09/30/78	27	34	18531	D	44.71	128.86	90	EEEE	NO		CCCL	LLLL	37.33 N	093.04 W	290078	463

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM	CCM QLTY	MODE	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131215582	09/08/78	28	34	18294	D	48.40	121.19	10	EFEE	NO		CCCL	LLLL	37.33 N	094.45 W	290077	604
2122416053	09/02/78	30	34	17067	D	55.88	107.09	0	EEEE	NO		CCCL	LLLL	37.33 N	097.33 W	290077	411
2131416100	09/08/78	30	34	18322	D	48.00	122.11	50	EEEF	NO		CCCL	LLLL	37.33 N	097.33 W	290077	666
2131516154	09/08/78	31	34	18336	D	47.80	122.54	10	EEEE	NO		CCCL	LLLL	37.33 N	098.76 W	290077	685
2131616213	09/08/78	32	34	18350	D	47.60	123.00	70	EEEE	NO		CCCL	LLLL	37.33 N	100.19 W	290077	719
2131716272	09/08/78	33	34	18364	D	47.39	123.44	10	EEEE	NO		CCCL	LLLL	37.33 N	101.64 W	290077	734
2130216435	09/02/78	36	34	18155	D	50.23	116.76	0	EEEE	NO		CCCL	LLLL	37.33 N	105.93 W	290077	298
2132016444	09/24/78	36	34	18406	D	46.75	124.81	10	EEEE	NO		CCCL	LLLL	37.33 N	105.94 W	290078	315
2130517011	09/02/78	39	34	18197	D	49.70	118.08	10	EEEE	NO		CCCL	LLLL	37.33 N	110.23 W	290077	374
2132517134	09/24/78	41	34	18476	D	45.64	127.08	10	EEEE	NO		CCCL	LLLL	37.33 N	113.12 W	290078	331
2131317473	09/08/78	47	34	18309	D	48.19	121.68	10	FEFE	NO		CCCL	LLLL	37.33 N	121.72 W	290077	645
2131417531	09/08/78	48	34	18323	D	47.99	122.12	50	EEEE	NO		CCCL	LLLL	37.33 N	123.14 W	290077	677
2130901545	09/02/78	132	34	18244	D	49.09	119.56	30	EEEE	NO		CCCL	LLLL	37.34 N	116.32 E	290077	401
2115806170	09/30/78	179	34	16141	D	39.87	126.14	NA	MMMM	NO		CCCL	LLLL	37.35 N	048.88 E	0	0
2117306003	09/24/78	176	34	16350	D	45.08	122.29	70	EEEE	NO		CCCL	LLLL	37.35 N	053.17 E	290077	6
2116805314	09/30/78	171	34	16280	D	43.39	123.64	90	EEEE	NO		CCCL	LLLL	37.35 N	060.36 E	290077	50
2120015300	09/02/78	24	34	16732	D	52.59	114.03	80	EEEE	NO		CCCL	LLLL	37.35 N	088.77 W	290077	90
2111415481	09/24/78	28	34	15533	D	25.30	135.43	NA	MMMM	NO		CCCL	LLLL	37.35 N	094.51 W	0	0
2128810123	09/02/78	219	33	17956	D	52.17	113.25	0	EEEE	NO		CCCL	LLLL	38.74 N	007.90 W	290077	164
2127914301	09/02/78	13	33	17833	D	53.38	110.45	20	FFEE	NO		CCCL	LLLL	38.74 N	072.43 W	290077	159
2130315055	09/02/78	19	33	18168	D	49.66	119.07	40	EEEE	NO		CCCL	LLLL	38.74 N	081.05 W	290077	347
2130515173	09/02/78	21	33	18196	D	49.28	119.90	10	EEEE	NO		CCCL	LLLL	38.74 N	083.91 W	290077	356
2130715290	09/03/78	23	33	18224	D	48.90	120.75	10	EEEE	NO		CCCL	LLLL	38.74 N	086.79 W	290077	475
2125415320	09/02/78	24	33	17485	D	55.76	106.27	NA	MMMM	NO		CCCL	LLLL	38.74 N	088.21 W	0	0
2129015335	09/02/78	24	33	17987	D	51.84	114.00	50	EEEE	NO		CCCL	LLLL	38.74 N	088.22 W	290077	337
2127315385	09/02/78	25	33	17750	D	54.10	108.89	20	EEEE	NO		CCCL	LLLL	38.74 N	089.65 W	290077	99
2128016192	09/02/78	32	33	17848	D	53.24	110.77	NA	6666	NO		CCCL	LLLL	38.74 N	099.69 W	0	0
2130416545	09/02/78	38	33	18183	D	49.46	119.50	20	EEEE	NO		CCCL	LLLL	38.74 N	108.30 W	290077	315
2130817180	09/03/78	42	33	18239	D	48.69	121.22	10	EEEE	NO		CCCL	LLLL	38.74 N	114.04 W	290077	505
2123306373	09/30/78	162	33	17187	D	56.15	107.71	10	EEEE	NO		CCCL	LLLL	38.75 N	045.12 E	290077	82
2132401380	09/30/78	129	33	18453	D	45.39	127.91	100	FFEE	NO		CCCL	LLLL	38.75 N	121.12 E	290078	190
2132301321	09/17/78	128	33	18459	D	45.62	127.48	90	EEEE	NO		CCCL	LLLL	38.75 N	122.56 E	290078	229
2128910182	09/02/78	220	33	17970	D	52.02	113.59	10	PE2F	NO		CCCL	LLLL	38.75 N	009.35 W	290077	181
2131414262	09/09/78	12	33	18321	D	47.50	123.75	90	FFFF	NO		CCCL	LLLL	38.75 N	071.02 W	290078	39
2129714311	09/17/78	13	33	18084	D	50.72	116.62	20	EEEE	NO		CCCL	LLLL	38.75 N	072.45 W	290077	253
2131514320	09/09/78	13	33	18335	D	47.28	124.22	10	EEEE	NO		CCCL	LLLL	38.75 N	072.47 W	290077	745
2130014483	09/08/78	16	33	18126	D	50.20	117.83	70	EEEE	NO		CCCL	LLLL	38.75 N	076.76 W	290077	218
2130114542	09/08/78	17	33	18140	D	50.02	118.25	50	EEEE	NO		CCCL	LLLL	38.75 N	078.20 W	290077	233
2132015010	09/24/78	18	33	18405	D	46.17	126.42	40	EEEE	NO		CCCL	LLLL	38.75 N	079.64 W	290078	297
2128515050	09/02/78	19	33	17917	D	52.58	112.28	100	EEEE	NO		CCCL	LLLL	38.75 N	081.06 W	290077	324

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFIL* ROLL	MIC FLM FRAME
2132115064	09/30/78	19	33	18419	D	45.94	126.87	70	EEEE	NO		CCCL	LLLL	38.75 N	081.06 W	290Q78	436
2132215123	09/30/78	20	33	18433	D	45.71	127.31	10	EEEE	NO		CCCL	LLLL	38.75 N	082.51 W	290Q78	418
2130615231	09/30/78	22	33	18210	D	49.09	120.32	10	EEEE	NO		CCCL	LLLL	38.75 N	085.36 W	290Q77	537
2132415241	09/30/78	22	33	18461	D	45.25	128.16	10	EEEE	NO		CCCL	LLLL	38.75 N	085.36 W	290Q78	556
2132515295	09/30/78	23	33	18475	D	45.01	128.60	0	EEFF	NO		CCCL	LLLL	38.75 N	086.80 W	290Q78	203
2130815345	09/03/78	24	33	18238	D	48.70	121.19	10	EEEE	NO		CCCL	LLLL	38.75 N	088.23 W	290Q77	490
2132615354	09/30/78	24	33	18489	D	44.77	129.04	0	EEEE	NO		CCCL	LLLL	38.75 N	088.25 W	290Q78	427
2131015462	09/09/78	26	33	18266	D	48.31	122.06	10	EEEE	NO		CCCL	LLLL	38.75 N	091.10 W	290Q78	6
2132815472	09/30/78	26	33	18517	D	44.30	129.87	10	EEFE	NO		CCCL	LLLL	38.75 N	091.10 W	290Q78	448
2131115521	09/17/78	27	33	18280	D	48.10	122.50	40	EEEE	NO		CCCL	LLLL	38.75 N	092.53 W	290Q77	765
2131215580	09/08/78	28	33	18294	D	47.89	122.94	10	EEEE	NO		CCCL	LLLL	38.75 N	093.98 W	290Q77	603
2131416093	09/08/78	30	33	18322	D	47.47	123.83	60	EEEE	NO		CCCL	LLLL	38.75 N	096.85 W	290Q77	665
2122416051	09/02/78	30	33	17067	D	55.71	109.44	10	EEEE	NO		CCCL	LLLL	38.75 N	096.86 W	290Q77	410
2127916133	09/02/78	31	33	17834	D	53.38	110.46	10	EEEE	NO		CCCL	LLLL	38.75 N	098.27 W	290Q77	436
2131516152	09/08/78	31	33	18336	D	47.27	124.25	10	EEEE	NO		CCCL	LLLL	38.75 N	098.28 W	290Q77	684
2131616211	09/08/78	32	33	18350	D	47.05	124.68	60	EEEE	NO		CCCL	LLLL	38.75 N	099.71 W	290Q77	718
2129916260	09/08/78	33	33	18113	D	50.36	117.44	0	EEEE	NO		CCCL	LLLL	38.75 N	101.14 W	290Q77	190
2130216432	09/02/78	36	33	18155	D	49.83	118.66	10	EEEE	NO		CCCL	LLLL	38.75 N	105.46 W	290Q77	297
2132016441	09/24/78	36	33	18406	D	46.16	126.44	10	EEEE	NO		CCCL	LLLL	38.75 N	105.46 W	290Q78	314
2130517004	09/02/78	39	33	18197	D	49.27	119.93	10	EEEE	NO		CCCL	LLLL	38.75 N	109.75 W	290Q77	373
2130917235	09/30/78	43	33	18253	D	48.49	121.64	0	EEEE	NO		CCCL	LLLL	38.75 N	115.48 W	290Q77	552
2131117353	09/08/78	45	33	18281	D	48.10	122.50	0	EEEE	NO		CCCL	LLLL	38.75 N	118.35 W	290Q77	587
2131317470	09/08/78	47	33	18309	D	47.67	123.41	0	EEFE	NO		CCCL	LLLL	38.75 N	121.25 W	290Q77	644
2131417525	09/08/78	48	33	18323	D	47.46	123.83	10	EEEE	NO		CCCL	LLLL	38.75 N	122.67 W	290Q77	676
2131517583	09/08/78	49	33	18337	D	47.25	124.27	80	EEEF	NO		CCCL	LLLL	38.75 N	124.09 W	290Q77	710
2123503223	09/17/78	148	33	17213	D	56.20	107.42	60	EFEE	NO		CCCL	LLLL	38.76 N	093.86 E	290Q78	92
2130901542	09/02/78	132	33	18244	D	48.62	121.37	30	EEEE	NO		CCCL	LLLL	38.76 N	116.79 E	290Q77	400
2130610132	09/02/78	219	33	18207	D	49.13	120.25	0	EEEE	NO		CCCL	LLLL	38.76 N	007.94 W	290Q77	461
2131914551	09/24/78	17	33	18391	D	46.40	126.00	10	EEEE	NO		CCCL	LLLL	38.76 N	078.22 W	290Q78	273
2130915403	09/17/78	25	33	18252	D	48.51	121.62	0	EEEE	NO		CCCL	LLLL	38.76 N	089.69 W	290Q78	57
2132915530	09/30/78	27	33	18531	D	44.03	130.36	80	EEFE	NO		CCCL	LLLL	38.76 N	092.56 W	290Q78	462
2131716265	09/08/78	33	33	18364	D	46.83	125.12	0	EEEE	NO		CCCL	LLLL	38.76 N	101.17 W	290Q77	733
2132517131	09/24/78	41	33	18476	D	45.00	128.63	10	EEEE	NO		CCCL	LLLL	38.76 N	112.65 W	290Q78	330
2116106335	09/30/78	182	33	16183	D	40.35	126.78	30	EEEE	NO		CCCL	LLLL	38.77 N	045.05 E	290Q77	40
2115806163	09/30/78	179	33	16141	D	39.26	127.45	70	EEEE	NO		CCCL	LLLL	38.77 N	049.35 E	290Q77	33
2120015294	09/02/78	24	33	16732	D	52.25	116.10	70	EEEE	NO		CCCL	LLLL	38.77 N	088.30 W	290Q77	89
2111415474	09/24/78	28	33	15533	D	24.49	136.22	NA	MMMM	NO		CCCL	LLLL	38.77 N	094.04 W	0	0
2127914295	09/02/78	13	32	17833	D	53.14	112.61	40	EFEE	NO		CCCL	LLLL	40.16 N	071.94 W	290Q77	158
2130515170	09/02/78	21	32	18196	D	48.81	121.73	30	EEEE	NO		CCCL	LLLL	40.16 N	083.43 W	290Q77	355
2125415314	09/02/78	24	32	17485	D	55.62	108.64	NA	MMMM	NO		CCCL	LLLL	40.16 N	087.72 W	0	0

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OBSERVATION ENTRY ID	ENTRY DATE	PAT PATH	RJW ROW	ORBIT #	DAY/NITE DAY/NITE	SUN ELEV	SUN AZIM	% CLC COVER	QUALITY 4567	CCM CCM	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MICROFILM FRAME
2130615227	09/30/78	22	31	18211	D	48.16	123.91	13	EEEE	NO	CCCL	LLLL	41.59 N	064.36 W	290077	555
2130615333	09/30/78	24	32	18298	D	48.16	116.03	120	EEEE	NO	CCCL	LLLL	40.296 N	087.83 W	290077	536
2130615382	09/30/78	25	32	182850	D	48.16	111.781	380	EEEE	NO	CCCL	LLLL	40.296 N	089.296 W	290077	498
2130615465	09/30/78	26	32	182517	D	48.16	105.134	10	EEEE	NO	CCCL	LLLL	40.296 N	090.360 W	290078	477
2130615471	09/30/78	182	32	182187	D	48.16	111.041	160	EEEE	NO	CCCL	LLLL	40.297 N	085.361 W	290077	441
2130615514	09/30/78	128	32	184439	D	44.97	1129.04	90	EEEE	NO	CCCL	LLLL	40.297 N	123.005 W	290078	228
2130615550	09/30/78	127	32	184174	D	49.12	1121.09	90	EEEE	NO	CCCL	LLLL	40.297 N	124.50 E	290077	277
2130615582	09/30/78	246	32	182334	D	48.73	125.786	350	EEEE	NO	CCCL	LLLL	40.297 N	046.16 W	290077	795
2130615591	09/30/78	247	32	18348	D	46.50	1126.28	20	EEEE	NO	CCCL	LLLL	40.297 N	047.59 W	290078	480
2130615654	09/30/78	249	32	183876	D	46.04	1127.55	30	EEEE	NO	CCCL	LLLL	40.297 N	050.28 W	290078	197
2130615694	09/30/78	113	32	184084	D	50.32	1118.57	140	EEEE	NO	CCCL	LLLL	40.297 N	071.597 W	290077	252
2130615780	09/30/78	316	32	183926	D	49.77	1121.575	240	EEEE	NO	CCCL	LLLL	40.297 N	076.28 W	290077	217
2130615835	09/30/78	317	32	183140	D	49.59	1120.23	50	EEEE	NO	CCCL	LLLL	40.297 N	077.172 W	290077	232
2130615903	09/30/78	318	32	184005	D	48.55	1128.02	50	EEEE	NO	CCCL	LLLL	40.297 N	079.74 W	290078	296
2130615943	09/30/78	319	32	187417	D	52.29	1124.39	190	EEEE	NO	CCCL	LLLL	40.297 N	080.57 W	290077	323
2130615993	09/30/78	319	32	184168	D	49.13	1130.92	120	EEEE	NO	CCCL	LLLL	40.297 N	080.57 W	290077	336
2130616062	09/30/78	319	32	184419	D	45.31	1128.55	80	EEEE	NO	CCCL	LLLL	40.297 N	080.57 W	290078	435
2130616225	09/30/78	222	32	182940	D	48.61	1122.74	110	EEEE	NO	CCCL	LLLL	40.297 N	084.88 W	290077	536
2130616234	09/30/78	222	32	184691	D	44.59	1129.170	110	EEEE	NO	CCCL	LLLL	40.297 N	084.88 W	290078	555
2130616284	09/30/78	253	32	182274	D	48.44	1122.584	110	EEEE	NO	CCCL	LLLL	40.297 N	086.30 W	290077	474
2130616293	09/30/78	273	32	184715	D	46.34	1130.73	10	EEEE	NO	CCCL	LLLL	40.297 N	086.31 W	290078	502
2130616342	09/30/78	24	32	18238	D	48.20	1122.87	10	EEEE	NO	CCCL	LLLL	40.297 N	087.75 W	290077	489
2130616352	09/30/78	24	32	18489	D	44.09	1130.84	10	EEEE	NO	CCCL	LLLL	40.297 N	087.76 W	290078	486
2130616460	09/30/78	26	32	18266	D	47.78	1123.82	60	EEEE	NO	CCCL	LLLL	40.297 N	090.81 W	290078	15
2130616514	09/30/78	127	32	18280	D	47.57	1124.22	150	EEEE	NO	CCCL	LLLL	40.297 N	092.05 W	290077	764
2130616573	09/30/78	128	32	18294	D	47.35	1124.66	10	EEEE	NO	CCCL	LLLL	40.297 N	093.50 W	290077	802
2130616632	09/30/78	129	32	18308	D	47.14	1125.07	80	EEEE	NO	CCCL	LLLL	40.297 N	094.93 W	290078	36
2130616691	09/30/78	130	32	18322	D	46.91	1125.51	30	EEEE	NO	CCCL	LLLL	40.297 N	096.36 W	290077	664
2130616730	09/30/78	131	32	187834	D	53.13	1132.63	10	EEEE	NO	CCCL	LLLL	40.297 N	097.78 W	290077	435
2130616745	09/30/78	131	32	18336	D	46.69	1125.93	20	EEEE	NO	CCCL	LLLL	40.297 N	097.80 W	290077	683
213061685	09/30/78	132	32	17848	D	52.99	1142.94	110	EEEE	NO	CCCL	LLLL	40.297 N	099.29 W	290077	717
2130616904	09/30/78	132	32	18350	D	46.47	1126.35	40	EEEE	NO	CCCL	LLLL	40.297 N	100.66 W	290077	189
2130616953	09/30/78	33	32	18113	D	49.95	1139.36	10	EEEE	NO	CCCL	LLLL	40.297 N	102.97 W	290078	513
2130616990	09/30/78	36	32	18155	D	49.39	120.53	10	EEEE	NO	CCCL	LLLL	40.297 N	104.97 W	290077	296
2130617035	09/30/78	36	32	18406	D	45.54	128.04	10	EEEE	NO	CCCL	LLLL	40.297 N	104.97 W	290078	513
2130617043	09/30/78	38	32	18483	D	49.00	121.35	110	EEEE	NO	CCCL	LLLL	40.297 N	107.84 W	290077	40
2130617092	09/30/78	39	32	18197	D	48.80	121.76	10	EEEE	NO	CCCL	LLLL	40.297 N	109.26 W	290077	572
2130617174	09/30/78	42	32	18239	D	48.19	123.01	10	EEEE	NO	CCCL	LLLL	40.297 N	113.55 W	290077	504
2130617233	09/30/78	43	32	18253	D	47.98	123.41	10	EEEE	NO	CCCL	LLLL	40.297 N	115.00 W	290077	561
2130617350	09/30/78	45	32	18281	D	47.56	124.26	10	EEEE	NO	CCCL	LLLL	40.297 N	117.86 W	290077	586
2130617464	09/30/78	47	32	18309	D	47.12	125.12	0	EEEE	NO	CCCL	LLLL	40.297 N	120.75 W	290077	643

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LANDSAT 2 MSS SENSOR
FROM 09/01/78 TO 09/30/78

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OBSERVATION ID	ENTRY DATE	PATH ROW	ORBIT #	DAY/NITE //SPCL	SUN ELEV	SUN AZIM	% CLOUD COVER	QUALITY 4567	COM	COM QUALITY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM MICROFILM ROLL	MIC FLH MICROFILM FRAME	
21310115222	08/08/78	68	32	183232	D	461.90	1120.513	20	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	87
21310115222	08/08/78	68	32	183232	D	462.682	11257.978	480	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	6750
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	7098
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	696
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	921
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	3872
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	1820
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	3344
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	2736
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	4133
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	593
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	4519
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	4093
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	7349
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	3294
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	360
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	889
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	49
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	323
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	323
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	15789
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	3540
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	4787
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	42326
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	33575
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	9783
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	43479
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	3140
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	8991
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	45978
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	27915
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	79250
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	47806
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	11615
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	251
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	21294
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	21615
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	29353
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	32234
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	34500
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	43487
21310115222	08/08/78	146	32	183232	D	559.907	1120.143	900	EEEEEE	N00			CCCC LLLLL	401.91 N	108.730 W	290077	554

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLN FRAME
2130615222	09/30/78	22	31	18210	D	48.10	123.91	10	EEEE	NO			CCCL LLLL	41.59 N 084.38 W	290077	535
2132515290	09/30/78	23	31	18475	D	43.64	131.63	10	EEEE	NO			CCCL LLLL	41.59 N 085.80 W	290078	241
2130815340	09/03/78	24	31	18238	D	47.66	124.73	30	EEEE	NO			CCCL LLLL	41.59 N 087.25 W	290077	483
2130915394	09/17/78	25	31	18252	D	47.45	125.14	0	EEEE	NO			CCCL LLLL	41.59 N 088.69 W	290078	55
2132815463	09/30/78	26	31	18517	D	42.87	132.81	10	EEPE	NO			CCCL LLLL	41.59 N 090.10 W	290078	446
2131015453	09/09/78	26	31	18266	D	47.22	125.55	50	EEFE	NO			CCCL LLLL	41.59 N 090.11 W	290078	4
2131115512	09/17/78	27	31	18280	D	47.01	125.93	90	EEEE	NO			CCCL LLLL	41.59 N 091.55 W	290077	763
2131215571	09/08/78	28	31	18294	D	46.78	126.36	30	EEEE	NO			CCCL LLLL	41.59 N 093.00 W	290077	631
2131316025	09/09/78	29	31	18308	D	46.55	126.76	80	FEFE	NO			CCCL LLLL	41.59 N 094.42 W	290078	35
2131516143	09/08/78	31	31	18336	D	46.08	127.58	20	EEEE	NO			CCCL LLLL	41.59 N 097.29 W	290077	642
2128016183	09/02/78	32	31	17849	D	52.69	115.07	10	EFEE	NO			CCCL LLLL	41.59 N 098.71 W	290077	116
2131616202	09/08/78	32	31	18350	D	45.85	127.98	20	EEEE	NO			CCCL LLLL	41.59 N 098.72 W	290077	716
2129916251	09/08/78	33	31	18113	D	49.49	121.26	50	EEEE	NO			CCCL LLLL	41.59 N 100.15 W	290077	128
2131716260	09/08/78	33	31	18364	D	45.61	128.40	0	EEEE	NO			CCCL LLLL	41.59 N 100.16 W	290077	731
2130216423	09/02/78	36	31	18155	D	48.90	122.39	10	EEEE	NO			CCCL LLLL	41.59 N 104.46 W	290077	295
2132016432	09/24/78	36	31	18406	D	44.89	129.61	10	EEEE	NO			CCCL LLLL	41.59 N 104.46 W	290078	312
2130516595	09/02/78	39	31	18197	D	48.29	123.57	0	EEEE	NO			CCCL LLLL	41.59 N 108.76 W	290077	371
2130817171	09/03/78	42	31	18239	D	47.65	124.77	10	EEEE	NO			CCCL LLLL	41.59 N 113.05 W	290077	513
2130917230	09/30/78	43	31	18253	D	47.44	125.15	10	EEEE	NO			CCCL LLLL	41.59 N 114.48 W	290077	550
2131117344	09/08/78	45	31	18281	D	46.99	125.96	NA	MMMM	NO			CCCL LLLL	41.59 N 117.36 W	0	0
2131317461	09/08/78	47	31	18309	D	46.53	126.79	10	EEEE	NO			CCCL LLLL	41.59 N 120.25 W	290077	642
2131417520	09/08/78	48	31	18323	D	46.31	127.19	0	EEEE	NO			CCCL LLLL	41.59 N 121.66 W	290077	674
2127917560	09/02/78	49	31	17835	D	52.83	114.82	10	EEEE	NO			CCCL LLLL	41.59 N 123.09 W	290077	110
2131517574	09/08/78	49	31	18337	D	46.07	127.60	10	EEEE	NO			CCCL LLLL	41.59 N 123.10 W	290077	708
2123304533	09/30/78	164	31	17186	D	55.74	112.51	NA	6666	NO			CCCL LLLL	41.60 N 071.91 E	0	0
2122704184	09/02/78	158	31	17102	D	55.42	113.62	30	EEEE	NO			CCCL LLLL	41.60 N 080.50 E	290077	144
2123503214	09/17/78	148	31	17213	D	55.81	112.19	10	EFEE	NO			CCCL LLLL	41.60 N 094.87 E	290078	90
2132002571	09/24/78	143	31	18398	D	45.03	129.38	50	EEEE	NO			CCCL LLLL	41.60 N 102.04 E	290078	283
2130901533	09/02/78	132	31	18244	D	47.57	124.92	30	EEEE	NO			CCCL LLLL	41.60 N 117.80 E	290077	398
2132401371	09/30/78	129	31	18453	D	44.05	130.98	80	FEFE	NO			CCCL LLLL	41.60 N 122.11 E	290078	188
2132301312	09/17/78	128	31	18439	D	44.30	130.58	100	EEEE	NO			CCCL LLLL	41.60 N 123.55 E	290078	227
2132201253	09/30/78	127	31	18425	D	44.55	130.18	20	FEFE	NO			CCCL LLLL	41.60 N 124.96 E	290078	373
2130114533	09/08/78	17	31	18140	D	49.12	122.00	40	EEEE	NO			CCCL LLLL	41.60 N 077.22 W	290077	231
2131914542	09/24/78	17	31	18391	D	45.14	129.20	10	EEEE	NO			CCCL LLLL	41.60 N 077.23 W	290078	271
2132215114	09/30/78	20	31	18433	D	44.40	130.41	10	EEEE	NO			CCCL LLLL	41.60 N 081.52 W	290078	416
2132615345	09/30/78	24	31	18489	D	43.38	132.02	20	EEEE	NO			CCCL LLLL	41.60 N 087.26 W	290078	425
2132915521	09/30/78	27	31	18531	D	42.58	133.25	80	EEFE	NO			CCCL LLLL	41.60 N 091.57 W	290078	460
2122416042	09/02/78	30	31	17067	D	55.22	114.13	0	EEEE	NO			CCCL LLLL	41.60 N 095.86 W	290077	408
2131416084	09/08/78	30	31	18322	D	46.31	127.18	30	EEEE	NO			CCCL LLLL	41.60 N 095.86 W	290077	663
2132517122	09/24/78	41	31	18476	D	43.62	131.66	10	EEEE	NO			CCCL LLLL	41.60 N 111.64 W	290078	328

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT R	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM	CCM OLTY	MODE 4567	GAIN 4567	PICTURE CNTR	PICTURE LAT	PICTURE CNTR	PICTURE LONG	MICROFILM ROLL	MIC FRAME	FLM
2120015285	09/02/78	24	31	16732	D	51.44	120.18	20	EEEE	NO				CCCL LLLL	41.61	N	087.30 W	290077	87	
2111415465	09/24/78	28	31	15533	D	22.82	137.77	NA	MMMM	NO				CCCL LLLL	41.61	N	093.04 W	0	0	
2116106330	09/30/78	182	31	16183	D	39.07	129.47	90	EEEE	NO				CCCL LLLL	41.62	N	046.03 E	290077	38	
2127914290	09/02/78	13	30	17833	D	52.51	116.89	30	EEEE	NO				CCCL LLLL	43.00	N	070.91 W	290077	156	
2128515034	09/02/78	19	30	17917	D	51.57	118.54	30	EEEE	NO				CCCL LLLL	43.00	N	079.54 W	290077	321	
2130715275	09/03/78	23	30	18224	D	47.32	126.07	10	EEEE	NO				CCCL LLLL	43.00	N	085.26 W	290077	472	
2125415305	09/02/78	24	30	17485	D	55.18	113.37	10	EEEE	NO				CCCL LLLL	43.00	N	086.70 W	290077	420	
2129015324	09/02/78	24	30	17987	D	50.72	120.03	10	EEEE	NO				CCCL LLLL	43.00	N	086.70 W	290077	334	
2127315373	09/02/78	25	30	17750	D	53.33	115.55	90	EEEE	NO				CCCL LLLL	43.00	N	088.12 W	290077	96	
2127916121	09/02/78	31	30	17834	D	52.50	116.93	0	EEEE	NO				CCCL LLLL	43.00	N	096.75 W	290077	433	
2130416534	09/02/78	38	30	18183	D	47.96	124.96	60	EEEE	NO				CCCL LLLL	43.00	N	106.78 W	290077	313	
2130917224	09/30/78	43	30	18253	D	46.85	126.88	10	EEEE	NO				CCCL LLLL	43.00	N	113.96 W	290077	549	
2131417513	09/08/78	48	30	18323	D	45.68	128.83	0	EEEE	NO				CCCL LLLL	43.00	N	121.13 W	290077	673	
2127917553	09/02/78	49	30	17835	D	52.49	116.96	10	EEEE	NO				CCCL LLLL	43.00	N	122.56 W	290077	109	
2131618031	09/08/78	50	30	18351	D	45.19	129.62	80	EEEE	NO				CCCL LLLL	43.00	N	124.00 W	290077	724	
2130606454	09/02/78	183	30	18205	D	47.62	125.57	60	EEEE	NO				CCCL LLLL	43.01	N	045.21 E	290077	460	
2123306362	09/30/78	182	30	17187	D	55.46	114.86	10	EEEE	NO				CCCL LLLL	43.01	N	046.64 E	290077	79	
2130605022	09/02/78	165	30	18204	D	47.63	125.55	10	EEEE	NO				CCCL LLLL	43.01	N	071.01 E	290077	449	
2130404505	09/08/78	163	30	18176	D	48.06	124.80	10	EEEE	NO				CCCL LLLL	43.01	N	073.87 E	290077	623	
2123204471	09/30/78	163	30	17172	D	55.42	115.02	50	EEEE	NO				CCCL LLLL	43.01	N	073.88 E	290078	543	
2123503212	09/17/78	148	30	17213	D	55.53	114.57	10	EEEE	NO				CCCL LLLL	43.01	N	095.39 E	290078	89	
2123303095	09/30/78	148	30	17185	D	55.46	114.85	NA	EEEE	NO				CCCL LLLL	43.01	N	098.26 E	290078	0	
2132401364	09/30/78	129	30	18453	D	43.34	132.48	70	EEEE	NO				CCCL LLLL	43.01	N	122.64 E	290078	187	
2132301305	09/17/78	128	30	18439	D	43.59	132.09	100	EEEE	NO				CCCL LLLL	43.01	N	124.07 E	290078	226	
2130401241	09/17/78	127	30	18174	D	48.10	124.75	70	EEEE	NO				CCCL LLLL	43.01	N	125.52 E	290078	275	
2131700561	09/30/78	122	30	18355	D	45.12	129.75	30	EEEE	NO				CCCL LLLL	43.01	N	132.68 E	290078	483	
2131100213	09/08/78	116	30	18271	D	46.55	127.41	10	EEEE	NO				CCCL LLLL	43.01	N	141.29 E	290077	579	
2132900222	09/30/78	116	30	18522	D	42.01	134.39	NA	EEEE	NO				CCCL LLLL	43.01	N	141.31 E	0	0	
2131512473	09/17/78	246	30	18334	D	45.49	129.15	70	EEEE	NO				CCCL HLLL	43.01	N	045.13 W	290077	791	
2131612532	09/30/78	247	30	18348	D	45.25	129.53	30	EEEE	NO				CCCL HLLL	43.01	N	046.55 W	290078	478	
2131813045	09/17/78	249	30	18376	D	44.74	130.33	70	EEEE	NO				CCCL HLLL	43.01	N	049.43 W	290078	115	
2129714295	09/17/78	13	30	18084	D	49.42	122.39	40	EEEE	NO				CCCL LLLL	43.01	N	070.94 W	290077	250	
2131614363	09/17/78	14	30	18349	D	45.22	129.56	NA	P222	NO				CCCL LLLL	43.01	N	072.37 W	290077	806	
2130014471	09/08/78	16	30	18126	D	48.81	123.46	10	EEEE	NO				CCCL LLLL	43.01	N	075.25 W	290077	215	
2132014594	09/24/78	18	30	18405	D	44.23	131.13	70	EEEE	NO				CCCL LLLL	43.01	N	078.11 W	290078	294	
2132215112	09/30/78	20	30	18433	D	43.70	131.93	10	EEEE	NO				CCCL LLLL	43.01	N	081.00 W	290078	415	
2132415225	09/30/78	22	30	18461	D	43.18	132.70	30	EEEE	NO				CCCL LLLL	43.01	N	083.85 W	290078	553	
2130615220	09/30/78	22	30	18210	D	47.55	125.68	10	EEEE	NO				CCCL LLLL	43.01	N	083.86 W	290077	534	
2132515284	09/30/78	23	30	18475	D	42.91	133.10	20	EEEE	NO				CCCL LLLL	43.01	N	085.28 W	290078	200	
2130815333	09/03/78	24	30	18238	D	47.09	126.48	10	EEEE	NO				CCCL LLLL	43.01	N	086.73 W	290077	487	

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLW FRAME	
2132615343	09/30/78	24	30	18489	D	42.64	133.50	70	EEEE	NO			CCCL LLLL	43.01 N	086.73 W	290078	424
2130915392	09/17/78	25	30	18252	D	46.86	126.86	10	EEEE	NO			CCCL LLLL	43.01 N	088.17 W	290078	54
2131015451	09/09/78	26	30	18266	D	46.63	127.25	30	EFEE	NO			CCCL LLLL	43.01 N	089.59 W	290078	3
2132815460	09/30/78	26	30	18517	D	42.11	134.25	10	EEFF	NO			CCCL LLLL	43.01 N	089.59 W	290078	445
2131115505	09/17/78	27	30	18280	D	46.41	127.62	90	EEEE	NO			CCCL LLLL	43.01 N	091.04 W	290077	762
2131215564	09/08/78	28	30	18294	D	46.17	128.03	80	EEEE	NO			CCCL LLLL	43.01 N	092.47 W	290077	600
2131316023	09/09/78	29	30	18308	D	45.93	128.42	90	EEEE	NO			CCCL LLLL	43.01 N	093.89 W	290078	34
2122416035	09/02/78	30	30	17067	D	54.90	116.43	10	EEEE	NO			CCCL LLLL	43.01 N	095.34 W	290077	407
2131416082	09/08/78	30	30	18322	D	45.68	128.83	70	EEEE	NO			CCCL LLLL	43.01 N	095.34 W	290077	662
2131516140	09/08/78	31	30	18336	D	45.45	129.20	20	EEEE	NO			CCCL LLLL	43.01 N	096.77 W	290077	681
2128016180	09/02/78	32	30	17848	D	52.35	117.18	20	EEEE	NO			CCCL LLLL	43.01 N	098.19 W	290077	115
2131616195	09/08/78	32	30	18350	D	45.21	129.59	0	EEEE	NO			CCCL LLLL	43.01 N	098.20 W	290077	715
2129916244	09/08/78	33	30	18113	D	49.00	123.14	40	EEEE	NO			CCCL LLLL	43.01 N	099.63 W	290077	187
2131716254	09/08/78	33	30	18364	D	44.95	130.00	10	EEEE	NO			CCCL LLLL	43.01 N	099.64 W	290077	730
2130216421	09/02/78	36	30	18155	D	48.38	124.22	10	EEEE	NO			CCCL LLLL	43.01 N	103.93 W	290077	294
2132016430	09/24/78	36	30	18406	D	44.21	131.16	10	EEEE	NO			CCCL LLLL	43.01 N	103.94 W	290078	311
2130516593	09/02/78	39	30	18197	D	47.74	125.36	0	EEEE	NO			CCCL LLLL	43.01 N	108.25 W	290077	370
2130817165	09/03/78	42	30	18239	D	47.08	126.50	40	EEEE	NO			CCCL LLLL	43.01 N	112.53 W	290077	502
2131317455	09/08/78	47	30	18309	D	45.92	128.44	10	EEFE	NO			CCCL LLLL	43.01 N	119.72 W	290077	641
2131517572	09/08/78	49	30	18337	D	45.44	129.22	10	EEFE	NO			CCCL LLLL	43.01 N	122.58 W	290077	707
2132406463	09/30/78	183	30	18456	D	43.27	132.59	10	FE2E	NO			CCCL LLLL	43.02 N	045.17 E	290078	408
2122704182	09/02/78	158	30	17102	D	55.10	115.95	30	EEEE	NO			CCCL LLLL	43.02 N	081.03 E	290077	143
2130901531	09/02/78	132	30	18244	D	46.99	126.66	90	EEEE	NO			CCCL LLLL	43.02 N	118.33 E	290077	397
2132201251	09/30/78	127	30	18425	D	43.85	131.71	10	FE2E	NO			CCCL LLLL	43.02 N	125.50 E	290078	372
2130114530	09/08/78	17	30	18140	D	48.61	123.82	30	EEEE	NO			CCCL LLLL	43.02 N	076.70 W	290077	230
2131914540	09/24/78	17	30	18391	D	44.46	130.77	10	EEEE	NO			CCCL LLLL	43.02 N	076.70 W	290078	270
2132915515	09/30/78	27	30	18531	D	41.82	134.65	90	FEFE	NO			CCCL LLLL	43.02 N	091.04 W	290078	459
2132517115	09/24/78	41	30	18476	D	42.89	133.13	10	EEEE	NO			CCCL LLLL	43.02 N	111.12 W	290078	327
2115804320	09/30/78	161	30	16140	D	37.24	131.32	10	EEEE	NO			CCCL LLLL	43.03 N	076.71 E	290077	31
2120015282	09/02/78	24	30	16732	D	50.97	122.18	20	EEEE	NO			CCCL LLLL	43.03 N	086.77 W	290077	56
2111415463	09/24/78	28	30	15533	D	21.97	138.55	NA	MMMM	NO			CCCL LLLL	43.03 N	092.52 W		0
2116106324	09/30/78	182	30	16183	D	38.39	130.79	90	EEEE	NO			CCCL LLLL	43.04 N	046.55 E	290077	37
2127914283	09/02/78	13	29	17833	D	52.13	119.02	20	EEEE	NO			CCCL LLLL	44.41 N	070.37 W	290077	155
2130715272	09/03/78	23	29	18224	D	46.72	127.80	0	EEEE	NO			CCCL LLLL	44.41 N	084.72 W	290077	471
2125415302	09/02/78	24	29	17485	D	54.88	115.70	10	EEEE	NO			CCCL LLLL	44.41 N	086.15 W	290077	419
2127916115	09/02/78	31	29	17834	D	52.12	119.04	10	EEEE	NO			CCCL LLLL	44.41 N	096.19 W	290077	432
2130606451	09/02/78	183	29	18205	D	47.03	127.32	60	EEEE	NO			CCCL LLLL	44.42 N	045.75 E	290077	459
2123306355	09/30/78	182	29	17187	D	55.13	117.20	0	EEEE	NO			CCCL LLLL	44.42 N	047.18 E	290077	78
2123204465	09/30/78	163	29	17172	D	55.08	117.37	40	EEEE	NO			CCCL LLLL	44.42 N	074.43 E	290078	542
2123301260	09/30/78	128	29	17184	D	55.12	117.21	30	EEEE	NO			CCCL LLLL	44.42 N	124.65 E	290078	549

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2130401235	09/17/78	127	29	18174	D	47.53	126.52	60	EEEE	NO		CCCL	LLLL	44.42 N	126.07 E	290077	274
2129714293	09/17/78	13	29	18084	D	48.91	124.26	10	EEEE	NO		CCCL	LLLL	44.42 N	070.40 W	290077	249
2131614361	09/17/78	14	29	18349	D	44.55	131.14	NA	E2P2	NO		CCCL	LLLL	44.42 N	071.83 W	290077	805
2130014465	09/08/78	16	29	18126	D	48.28	125.29	30	EEEE	NO		CCCL	LLLL	44.42 N	074.70 W	290077	214
2132415223	09/30/78	22	29	18461	D	42.44	134.16	90	EEEE	NO		CCCL	LLLL	44.42 N	083.30 W	290078	552
2130615213	09/30/78	22	29	18210	D	46.95	127.45	10	EEEE	NO		CCCL	LLLL	44.42 N	083.31 W	290077	533
2132515281	09/30/78	23	29	18475	D	42.16	134.55	60	EEEE	NO		CCCL	LLLL	44.42 N	084.75 W	290078	199
2129015321	09/02/78	24	29	17987	D	50.26	122.02	10	EEEE	NO		CCCL	LLLL	44.42 N	086.16 W	290077	333
2128016174	09/02/78	32	29	17848	D	51.96	119.29	50	EEEE	NO		CCCL	LLLL	44.42 N	097.64 W	290077	114
2129916242	09/08/78	33	29	18113	D	48.47	125.00	40	EEEE	NO		CCCL	LLLL	44.42 N	099.08 W	290077	186
2130216414	09/02/78	36	29	18155	D	47.83	126.03	10	EEEE	NO		CCCL	LLLL	44.42 N	103.38 W	290077	293
2130416531	09/02/78	38	29	18183	D	47.39	126.75	80	EEEE	NO		CCCL	LLLL	44.42 N	106.25 W	290077	312
2130817162	09/03/78	42	29	18239	D	46.47	128.20	40	EEEE	NO		CCCL	LLLL	44.42 N	112.00 W	290077	501
2130917221	09/30/78	43	29	18253	D	46.24	128.58	10	EEEE	NO		CCCL	LLLL	44.42 N	113.41 W	290077	548
2131417511	09/08/78	48	29	18323	D	45.02	130.44	10	EEEE	NO		CCCL	LLLL	44.42 N	120.59 W	290077	672
2127917551	09/02/78	49	29	17835	D	52.10	119.07	NA	MMMM	NO		CCCL	LLLL	44.42 N	122.02 W	0	0
2131517570	09/08/78	49	29	18337	D	44.77	130.82	10	EEEE	NO		CCCL	LLLL	44.42 N	122.04 W	290077	706
2131618024	09/08/78	50	29	18351	D	44.51	131.21	90	EEEE	NO		CCCL	LLLL	44.42 N	123.46 W	290077	723
2131207200	09/09/78	189	29	18289	D	45.61	129.56	10	EEEE	NO		CCCL	LLLL	44.43 N	037.13 E	290078	20
2131007082	09/08/78	187	29	18261	D	46.09	128.82	NA	MMMM	NO		CCCL	LLLL	44.43 N	040.00 E	0	0
2131005250	09/08/78	169	29	18260	D	46.12	128.76	0	EEEE	NO		CCCL	LLLL	44.43 N	065.80 E	290077	564
2130605020	09/02/78	165	29	18204	D	47.05	127.30	0	EEEE	NO		CCCL	LLLL	44.43 N	071.55 E	290077	448
2130404502	09/08/78	163	29	18176	D	47.50	126.58	10	EEEE	NO		CCCL	LLLL	44.43 N	074.40 F	290077	622
2132004394	09/24/78	161	29	18399	D	43.62	132.51	80	EEEE	NO		CCCL	LLLL	44.43 N	077.28 E	290078	293
2123503205	09/17/78	148	29	17213	D	55.20	116.92	90	EEEE	NO		CCCL	LLLL	44.43 N	095.94 E	290078	88
2123303092	09/30/78	146	29	17185	D	55.12	117.21	30	EEEE	NO		CCCL	LLLL	44.43 N	098.81 E	290078	551
2132401362	09/30/78	129	29	18453	D	42.60	133.94	70	FFFF	NO		CCCL	LLLL	44.43 N	123.18 E	290078	186
2132301303	09/17/78	128	29	18439	D	42.87	133.57	90	EEEE	NO		CCCL	LLLL	44.43 N	124.61 E	290078	225
2131700555	09/30/78	122	29	18355	D	44.44	131.31	10	FFFF	NO		CCCL	LLLL	44.43 N	133.21 E	290078	482
2131314185	09/09/78	11	29	18307	D	45.30	130.03	10	EEEE	NO		CCCL	LLLL	44.43 N	067.54 W	290077	742
2130114524	09/08/78	17	29	18140	D	48.07	125.64	10	EEEE	NO		CCCL	LLLL	44.43 N	076.15 W	290077	229
2131914533	09/24/78	17	29	18391	D	43.76	132.31	10	EEEE	NO		CCCL	LLLL	44.43 N	076.16 W	290078	269
2132615340	09/30/78	24	29	18489	D	41.88	134.92	90	EEEE	NO		CCCL	LLLL	44.43 N	086.18 W	290078	423
2130815331	09/03/78	24	29	18238	D	46.48	128.19	50	EEEE	NO		CCCL	LLLL	44.43 N	086.19 W	290077	486
2131015444	09/09/78	26	29	18266	D	46.02	128.92	90	EEEE	NO		CCCL	LLLL	44.43 N	089.05 W	290078	2
2132815454	09/30/78	26	29	18517	D	41.33	135.66	40	EEEE	NO		CCCL	LLLL	44.43 N	089.07 W	290078	444
2131115503	09/17/78	27	29	18280	D	45.78	129.28	90	EEEE	NO		CCCL	LLLL	44.43 N	090.48 W	290077	761
2132915512	09/30/78	27	29	18531	D	41.04	136.04	100	2EFF	NO		CCCL	LLLL	44.43 N	090.50 W	290078	458
2131215562	09/08/78	28	29	18294	D	45.53	129.68	90	EEEE	NO		CCCL	LLLL	44.43 N	091.93 W	290077	599
2131316020	09/09/78	29	29	18308	D	45.28	130.05	90	EEEE	NO		CCCL	LLLL	44.43 N	093.35 W	290078	33

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2122416033	09/02/78	30	29	17067	D	54.52	118.72	50	2EEE	NO		CCCL	LLLL	44.43 N	094.80 W	290077	476
2131416075	09/08/78	30	29	18322	D	45.03	130.44	90	EEEE	NO		CCCL	LLLL	44.43 N	094.80 W	290077	661
2131516134	09/08/78	31	29	18336	D	44.79	130.80	10	EEEE	NO		CCCL	LLLL	44.43 N	096.22 W	290077	680
2131616193	09/08/78	32	29	18350	D	44.53	131.17	50	EEEE	NO		CCCL	LLLL	44.43 N	097.66 W	290077	714
2131716251	09/08/78	33	29	18364	D	44.27	131.57	10	EEEE	NO		CCCL	LLLL	44.43 N	099.10 W	290077	729
2132016423	09/24/78	36	29	18406	D	43.49	132.69	10	EEEE	NO		CCCL	LLLL	44.43 N	103.40 W	290078	310
2130516590	09/02/78	39	29	18197	D	47.16	127.12	0	EEEE	NO		CCCL	LLLL	44.43 N	107.70 W	290077	369
2132517113	09/24/78	41	29	18476	D	42.14	134.57	30	EEEE	NO		CCCL	LLLL	44.43 N	110.58 W	290078	326
2131317452	09/08/78	47	29	18309	D	45.27	130.08	10	EEEE	NO		CCCL	LLLL	44.43 N	119.17 W	290077	640
2132406460	09/30/78	183	29	18456	D	42.53	134.06	0	FE2E	NO		CCCL	LLLL	44.44 N	045.71 E	290078	407
2130905192	09/03/78	168	29	18246	D	46.35	128.40	0	EEEE	NO		CCCL	LLLL	44.44 N	067.22 E	290077	524
2115804313	09/30/78	161	29	16140	D	36.53	132.58	10	EEEE	NO		CCCL	LLLL	44.44 N	077.25 E	290077	30
2122704175	09/02/78	158	29	17102	D	54.74	118.27	10	FFFF	NO		CCCL	LLLL	44.44 N	081.57 E	290077	142
2132201244	09/30/78	127	29	18425	D	43.13	133.22	20	FE2E	NO		CCCL	LLLL	44.44 N	126.03 E	290078	371
2122314142	09/02/78	11	29	17052	D	54.42	118.95	50	EEEE	NO		CCCL	LLLL	44.44 N	067.56 W	290077	120
2116807125	09/30/78	189	29	16281	D	40.33	130.87	60	EEEE	NO		CCCL	LLLL	44.45 N	037.08 E	290077	59
2120015280	09/02/78	24	29	16732	D	50.47	124.14	10	EEEE	NO		CCCL	LLLL	44.45 N	086.25 W	290077	85
2111415460	09/24/78	28	29	15533	D	21.11	139.32	NA	MMMM	NO		CCCL	LLLL	44.45 N	091.98 W	0	0
2127914281	09/02/78	13	28	17833	D	51.70	121.12	10	EEEE	NO		CCCL	LLLL	45.82 N	069.80 W	290077	154
2125415300	09/02/78	24	28	17485	D	54.54	118.02	10	EEEE	NO		CCCL	LLLL	45.82 N	085.58 W	290077	418
2130606445	09/02/78	183	28	18205	D	46.42	129.05	50	EEEE	NO		CCCL	LLLL	45.83 N	046.32 E	290077	458
2123306353	09/30/78	182	28	17187	D	54.75	119.52	0	EEEE	NO		CCCL	LLLL	45.83 N	047.75 E	290077	77
2123301254	09/30/78	128	28	17184	D	54.73	119.54	50	EEEF	NO		CCCL	LLLL	45.83 N	125.21 E	290078	548
2130615211	09/30/78	22	28	18210	D	46.33	129.17	10	EEEE	NO		CCCL	LLLL	45.83 N	082.75 W	290077	532
2130715270	09/03/78	23	28	18224	D	46.10	129.51	10	EFEE	NO		CCCL	LLLL	45.83 N	084.15 W	290077	470
2129015315	09/02/78	24	28	17987	D	49.77	123.98	10	EEEE	NO		CCCL	LLLL	45.83 N	085.59 W	290077	332
2127916113	09/02/78	31	28	17834	D	51.69	121.13	10	EEEE	NO		CCCL	LLLL	45.83 N	095.63 W	290077	431
2128016171	09/02/78	32	28	17848	D	51.53	121.38	30	EEEE	NO		CCCL	LLLL	45.83 N	097.07 W	290077	113
2130216412	09/02/78	36	28	18155	D	47.24	127.81	10	EEEE	NO		CCCL	LLLL	45.83 N	102.81 W	290077	292
2130416525	09/02/78	38	28	18183	D	46.79	128.50	70	FEFE	NO		CCCL	LLLL	45.83 N	105.68 W	290077	311
2130817160	09/03/78	42	28	18239	D	45.84	129.89	20	EEEE	NO		CCCL	LLLL	45.83 N	111.42 W	290077	500
2130917215	09/30/78	43	28	18253	D	45.59	130.25	20	EEEE	NO		CCCL	LLLL	45.83 N	112.85 W	290077	547
2131417504	09/08/78	48	28	18323	D	44.34	132.02	10	EEEE	NO		CCCL	LLLL	45.83 N	120.02 W	290077	671
2127917544	09/02/78	49	28	17835	D	51.68	121.17	10	EEEE	NO		CCCL	LLLL	45.83 N	121.45 W	290077	108
2131207193	09/09/78	189	28	18289	D	44.94	131.19	50	EEEE	NO		CCCL	LLLL	45.84 N	037.69 E	290078	19
2130605013	09/02/78	165	28	18204	D	46.43	129.03	10	EEEE	NO		CCCL	LLLL	45.84 N	072.11 E	290077	447
2123204463	09/30/78	163	28	17172	D	54.69	119.68	70	EEEE	NO		CCCL	LLLL	45.84 N	075.00 E	290078	541
2123503203	09/17/78	148	28	17213	D	54.82	119.26	100	EFEE	NO		CCCL	LLLL	45.84 N	096.50 E	290078	87
2132401355	09/30/78	129	28	18453	D	41.84	135.39	100	FFFE	NO		CCCL	LLLL	45.84 N	123.75 E	290078	185
2130401232	09/17/78	127	28	18174	D	46.93	128.29	40	EEEE	NO		CCCL	LLLL	45.84 N	126.63 E	290077	273

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2131600493	09/17/78	121	28	18341	D	44.00	132.51	40	EEEE	NO	CCCL	LLLL	45.84 N	135.23 E	290077	794
2131314182	09/09/78	11	28	18307	D	44.62	131.65	10	EEEE	NO	CCCL	LLLL	45.84 N	066.98 W	290077	741
2129714290	09/17/78	13	28	18084	D	48.36	126.13	10	EEEE	NO	CCCL	LLLL	45.84 N	069.83 W	290077	248
2131614354	09/17/78	14	28	18349	D	43.85	132.71	NA	E222	NO	CCCL	LLLL	45.84 N	071.27 W	290077	804
2132515275	09/30/78	23	28	18475	D	41.39	135.97	100	FFFF	NO	CCCL	LLLL	45.84 N	084.18 W	290078	198
2131015442	09/09/78	26	28	18266	D	45.37	130.57	90	EFEE	NO	CCCL	LLLL	45.84 N	088.50 W	290078	1
2131115500	09/17/78	27	28	18280	D	45.12	130.93	NA	MM66	NO	CCCL	LLLL	45.84 N	089.91 W	0	0
2131215555	09/08/78	28	28	18294	D	44.86	131.30	90	EFEE	NO	CCCL	LLLL	45.84 N	091.36 W	290077	598
2131316014	09/09/78	29	28	18308	D	44.61	131.65	90	PEEE	NO	CCCL	LLLL	45.84 N	092.79 W	290078	32
2122416030	09/02/78	30	28	17067	D	54.10	121.00	90	2PPP	NO	CCCL	LLLL	45.84 N	094.23 W	290077	405
2131416073	09/08/78	30	28	18322	D	44.35	132.03	NA	6666	NO	CCCL	LLLL	45.84 N	094.23 W	0	0
2131516131	09/08/78	31	28	18336	D	44.09	132.38	20	EEEE	NO	CCCL	LLLL	45.84 N	095.65 W	290077	679
2131616190	09/08/78	32	28	18350	D	43.83	132.75	60	EEEE	NO	CCCL	LLLL	45.84 N	097.09 W	290077	713
2129916235	09/08/78	33	28	18113	D	47.91	126.81	60	EEEE	NO	CCCL	LLLL	45.84 N	098.52 W	290077	185
2131716245	09/08/78	33	28	18364	D	43.56	133.11	10	EEEE	NO	CCCL	LLLL	45.84 N	098.53 W	290077	728
2132016421	09/24/78	36	28	18406	D	42.76	134.19	10	EEEE	NO	CCCL	LLLL	45.84 N	102.84 W	290078	309
2132216534	09/30/78	38	28	18434	D	42.21	134.90	20	FFFF	NO	CCCL	LLLL	45.84 N	105.69 W	290078	167
2130516584	09/02/78	39	28	18197	D	46.55	128.86	0	EFEE	NO	CCCL	LLLL	45.84 N	107.13 W	290077	368
2132316593	09/30/78	39	28	18448	D	41.93	135.27	10	EEFE	NO	CCCL	LLLL	45.84 N	107.14 W	290078	388
2131317450	09/08/78	47	28	18309	D	44.58	131.69	10	EEFE	NO	CCCL	LLLL	45.84 N	118.61 W	290077	639
2131517563	09/08/78	49	28	18337	D	44.07	132.41	10	EEEE	NO	CCCL	LLLL	45.84 N	121.47 W	290077	705
2131618022	09/08/78	50	28	18351	D	43.81	132.77	90	EEFE	NO	CCCL	LLLL	45.84 N	122.90 W	290077	722
2131007080	09/08/78	187	28	18261	D	45.44	130.48	NA	MMMM	NO	CCCL	LLLL	45.85 N	040.55 E	0	0
2132406454	09/30/78	183	28	18456	D	41.76	135.50	0	EEZE	NO	CCCL	LLLL	45.85 N	046.28 E	290078	406
2131005244	09/08/78	169	28	18260	D	45.47	130.43	0	FEFE	NO	CCCL	LLLL	45.85 N	066.36 E	290077	563
2130404500	09/08/78	163	28	18176	D	46.90	128.33	0	EEEE	NO	CCCL	LLLL	45.85 N	074.96 E	290077	621
2132004392	09/24/78	161	28	18399	D	42.89	134.02	50	EEEE	NO	CCCL	LLLL	45.85 N	077.84 E	290078	292
2122704173	09/02/78	158	28	17102	D	54.33	120.55	10	EEEE	NO	CCCL	LLLL	45.85 N	082.13 E	290077	141
2132301300	09/30/78	128	28	18439	D	42.11	135.04	50	FFFF	NO	CCCL	LLLL	45.85 N	125.17 E	290078	172
2132201242	09/30/78	127	28	18425	D	42.38	134.70	NA	2222	NO	CCCL	LLLL	45.85 N	126.60 E	0	0
2131700552	09/30/78	122	28	18355	D	43.74	132.87	10	EEFE	NO	CCCL	LLLL	45.85 N	133.78 E	290078	481
2122314140	09/02/78	11	28	17052	D	53.99	121.21	10	FEFE	NO	CCCL	LLLL	45.85 N	067.00 W	290077	119
2132116480	09/30/78	37	28	18420	D	42.49	134.55	10	FEZE	NO	CCCL	LLLL	45.85 N	104.28 W	290078	362
2132517110	09/24/78	41	28	18476	D	41.37	136.00	20	EEEF	NO	CCCL	LLLL	45.85 N	110.02 W	290078	325
2132717224	09/30/78	43	28	18504	D	40.80	136.70	90	PFZE	NO	CCCL	LLLL	45.85 N	112.90 W	290078	500
2132817283	09/30/78	44	28	18518	D	40.52	137.05	NA	6662	NO	CCCL	LLLL	45.85 N	114.33 W	0	0
2117307412	09/24/78	194	28	16351	D	41.48	131.41	30	EEEE	NO	CCCL	LLLL	45.86 N	030.48 E	290077	19
2116807122	09/30/78	189	28	16281	D	39.64	132.27	70	EEEE	NO	CCCL	LLLL	45.86 N	037.65 E	290077	58
2130905185	09/03/78	168	28	18246	D	45.71	130.07	0	EEEE	NO	CCCL	LLLL	45.86 N	067.78 E	290077	523
2120015273	09/02/78	24	28	16732	D	49.92	126.09	30	EEEE	NO	CCCL	LLLL	45.86 N	085.67 W	290077	84

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FILM FRAME	
2111415454	09/24/78	28	28	15533	D	20.24	140.09	NA	MMMM	NO			CCCL LLLL	45.87 N	091.42 W	0	0
2125415293	09/02/78	24	27	17485	D	54.14	120.30	20	EEEE	NO			CCCL LLLL	47.23 N	085.00 W	290077	417
2123301251	09/30/78	128	27	17184	D	54.30	121.84	50	EEEE	NO			CCCL LLLL	47.24 N	125.79 E	290078	547
2127914274	09/02/78	13	27	17833	D	51.24	123.19	10	EEEE	NO			CCCL LLLL	47.24 N	069.22 W	290077	153
2129015312	09/02/78	24	27	17987	D	49.23	125.91	70	EEEE	NO			CCCL LLLL	47.24 N	085.01 W	290077	331
2127916110	09/02/78	31	27	17834	D	51.23	123.21	10	EEEE	NO			CCCL LLLL	47.24 N	095.05 W	290077	430
2128016165	09/02/78	32	27	17848	D	51.05	123.45	20	EEEE	NO			CCCL LLLL	47.24 N	096.48 W	290077	112
2130216405	09/02/78	36	27	18155	D	46.62	129.56	10	EEEE	NO			CCCL LLLL	47.24 N	102.23 W	290077	291
2130416522	09/02/78	38	27	18183	D	46.15	130.22	50	EEEE	NO			CCCL LLLL	47.24 N	105.09 W	290077	310
2130817153	09/03/78	42	27	18239	D	45.17	131.55	30	EEEE	NO			CCCL LLLL	47.24 N	110.83 W	290077	499
2130917212	09/30/78	43	27	18253	D	44.92	131.89	30	EEEE	NO			CCCL LLLL	47.24 N	112.26 W	290077	546
2131417502	09/08/78	48	27	18323	D	43.63	133.59	10	EEEE	NO			CCCL LLLL	47.24 N	119.43 W	290077	670
2127917542	09/02/78	49	27	17835	D	51.21	123.25	10	EEEE	NO			CCCL LLLL	47.24 N	120.87 W	290077	107
2131207191	09/09/78	189	27	18289	D	44.25	132.80	50	EEFE	NO			CCCL LLLL	47.25 N	038.28 E	290078	18
2130606442	09/02/78	183	27	18205	D	45.77	130.75	20	EEEE	NO			CCCL LLLL	47.25 N	046.90 E	290077	457
2123306350	09/30/78	182	27	17187	D	54.31	121.82	0	EEEE	NO			CCCL LLLL	47.25 N	048.34 E	290077	76
2123404573	09/17/78	165	27	17200	D	54.35	121.71	NA	MMMM	NO			CCCL LLLL	47.25 N	072.70 E	0	0
2123204460	09/30/78	163	27	17172	D	54.25	121.97	70	EEEE	NO			CCCL LLLL	47.25 N	075.58 E	290078	540
2131704213	09/09/78	158	27	18357	D	42.96	134.47	10	EEPE	NO			CCCL LLLL	47.25 N	082.75 E	290077	760
2132401353	09/30/78	129	27	18453	D	41.05	136.83	100	PFPE	NO			CCCL LLLL	47.25 N	124.35 E	290078	184
2130401230	09/17/78	127	27	18174	D	46.29	130.03	20	EEEE	NO			CCCL LLLL	47.25 N	127.21 E	290077	272
2129714284	09/17/78	13	27	18084	D	47.77	127.97	10	EEEE	NO			CCCL LLLL	47.25 N	069.25 W	290077	247
2131215553	09/08/78	28	27	18294	D	44.16	132.92	90	EFEE	NO			CCCL LLLL	47.25 N	090.77 W	290077	597
2131316011	09/09/78	29	27	18308	D	43.91	133.25	90	FFEE	NO			CCCL LLLL	47.25 N	092.20 W	290078	31
2131516125	09/08/78	31	27	18336	D	43.37	133.95	20	6EEE	NO			CCCL LLLL	47.25 N	095.06 W	290077	678
2131616184	09/08/78	32	27	18350	D	43.10	134.29	20	FFFE	NO			CCCL LLLL	47.25 N	096.50 W	290077	712
2129916233	09/08/78	33	27	18113	D	47.31	128.61	70	EEEE	NO			CCCL LLLL	47.25 N	097.94 W	290077	184
2132016414	09/24/78	36	27	18406	D	42.00	135.67	10	EEFE	NO			CCCL LLLL	47.25 N	102.25 W	290078	308
2132216532	09/30/78	38	27	18434	D	41.44	136.35	40	FFFE	NO			CCCL LLLL	47.25 N	105.11 W	290078	166
2130516581	09/02/78	39	27	18197	D	45.90	130.57	10	EEEE	NO			CCCL LLLL	47.25 N	106.55 W	290077	367
2132316591	09/30/78	39	27	18448	D	41.15	136.71	50	EEFE	NO			CCCL LLLL	47.25 N	106.55 W	290078	387
2131317443	09/08/78	47	27	18309	D	43.88	133.28	10	EEEE	NO			CCCL LLLL	47.25 N	118.02 W	290077	638
2131517560	09/08/78	49	27	18337	D	43.35	133.97	10	EEEE	NO			CCCL LLLL	47.25 N	120.88 W	290077	704
2131618015	09/08/78	50	27	18351	D	43.08	134.32	80	EEEE	NO			CCCL LLLL	47.25 N	122.32 W	290077	721
2131007073	09/08/78	187	27	18261	D	44.77	132.11	90	EEEE	NO			CCCL LLLL	47.26 N	041.14 E	290077	573
2132406452	09/30/78	183	27	18456	D	40.98	136.92	0	EEZE	NO			CCCL LLLL	47.26 N	046.87 E	290078	405
2131005241	09/08/78	169	27	18260	D	44.79	132.07	0	PEEE	NO			CCCL LLLL	47.26 N	066.95 E	290077	562
2130905183	09/03/78	168	27	18246	D	45.04	131.75	10	EEEE	NO			CCCL LLLL	47.26 N	068.37 E	290077	522
2130605011	09/02/78	165	27	18204	D	45.78	130.75	40	EEEE	NO			CCCL LLLL	47.26 N	072.70 E	290077	446
2130404493	09/08/78	163	27	18176	D	46.26	130.07	0	EEEE	NO			CCCL LLLL	47.26 N	075.55 E	290077	620

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2132004385	09/24/78	161	27	18399	D	42.14	135.51	20	EEEE	NO			CCCL LLLL	47.26 N 078.43 E	290078	291
2122704171	09/02/78	158	27	17102	D	53.88	122.80	0	EEEE	NO			CCCL LLLL	47.26 N 082.72 E	290077	140
2131604154	09/17/78	157	27	18343	D	43.24	134.10	10	EEEE	NO			CCCL LLLL	47.26 N 084.16 E	290077	803
2132301294	09/30/78	128	27	18439	D	41.34	136.48	10	EEEE	NO			CCCL LLLL	47.26 N 125.76 E	290078	171
2132201235	09/30/78	127	27	18425	D	41.62	136.15	NA	MMMM	NO			CCCL LLLL	47.26 N 127.19 E	0	0
2131716242	09/08/78	33	27	18364	D	42.83	134.64	10	EEEE	NO			CCCL LLLL	47.26 N 097.96 W	290077	727
2132116473	09/30/78	37	27	18420	D	41.72	136.03	10	FE2E	NO			CCCL LLLL	47.26 N 103.69 W	290078	361
2132517104	09/24/78	41	27	18476	D	40.57	137.40	20	EEEE	NO			CCCL LLLL	47.26 N 109.43 W	290078	324
2132717221	09/30/78	43	27	18504	D	39.99	138.08	80	FF2E	NO			CCCL LLLL	47.26 N 112.30 W	290078	499
2132817280	09/30/78	44	27	18518	D	39.70	138.42	100	EEEF	NO			CCCL LLLL	47.26 N 113.75 W	290078	457
2117307410	09/24/78	194	27	16351	D	40.79	132.88	70	EEEE	NO			CCCL LLLL	47.27 N 031.07 E	290077	18
2116807120	09/30/78	189	27	16281	D	38.93	133.65	80	EEEE	NO			CCCL LLLL	47.27 N 038.25 E	290077	57
2131904330	09/17/78	160	27	18385	D	42.41	135.17	0	EFPE	NO			CCCL LLLL	47.27 N 079.85 E	290078	125
2116109580	09/30/78	218	27	16185	D	36.30	134.64	70	EEEE	NO			CCCL LLLL	47.27 N 003.32 W	290077	49
2120015271	09/02/78	24	27	16732	D	49.34	128.01	30	EEEE	NO			CCCL LLLL	47.27 N 085.08 W	290077	83
2111415451	09/24/78	28	27	15533	S	19.37	140.86	NA	MMMM	NO			CCCL LLLL	47.28 N 090.84 W	0	0
2130705063	09/03/78	166	26	18218	D	44.86	132.72	80	EEEE	NO			CCCL LLLL	48.65 N 071.91 E	290077	468
2132401350	09/30/78	129	26	18453	D	40.25	138.25	90	FFFE	NO			CCCL LLLL	48.65 N 124.97 E	290078	183
2123301245	09/30/78	128	26	17184	D	53.83	124.11	20	EEFE	NO			CCCL LLLL	48.65 N 126.40 E	290078	546
2127916104	09/02/78	31	26	17834	D	50.71	125.28	40	EEEE	NO			CCCL LLLL	48.65 N 094.43 W	290077	429
2128016162	09/02/78	32	26	17848	D	50.54	125.48	10	EEEE	NO			CCCL LLLL	48.65 N 095.87 W	290077	111
2130216403	09/02/78	36	26	18155	D	45.97	131.30	10	EEEE	NO			CCCL LLLL	48.65 N 101.61 W	290077	290
2130416520	09/02/78	38	26	18183	D	45.48	131.92	0	EEEE	NO			CCCL LLLL	48.65 N 104.47 W	290077	309
2130817151	09/03/78	42	26	18239	D	44.47	133.20	50	EEEE	NO			CCCL LLLL	48.65 N 110.21 W	290077	498
2130917210	09/30/78	43	26	18253	D	44.22	133.52	20	EEEE	NO			CCCL LLLL	48.65 N 111.65 W	290077	545
2131417495	09/08/78	48	26	18323	D	42.89	135.16	50	EEEE	NO			CCCL LLLL	48.65 N 118.82 W	290077	669
2127917535	09/02/78	49	26	17835	D	50.70	125.30	NA	E666	NO			CCCL LLLL	48.65 N 120.25 W	290077	106
2131207184	09/09/78	189	26	18289	D	43.53	134.39	30	EEFE	NO			CCCL LLLL	48.66 N 038.89 E	290078	17
2130606440	09/02/78	183	26	18205	D	45.10	132.42	50	EEEE	NO			CCCL LLLL	48.66 N 047.51 E	290077	456
2123306344	09/30/78	182	26	17187	D	53.84	124.08	0	EEEE	NO			CCCL LLLL	48.66 N 048.95 E	290077	75
2122706000	09/02/78	176	26	17103	D	53.39	125.01	90	EEEE	NO			CCCL LLLL	48.66 N 057.55 E	290077	152
2130805121	09/02/78	167	26	18232	D	44.59	133.06	80	EEEF	NO			CCCL LLLL	48.66 N 070.44 E	290077	388
2123404571	09/17/78	165	26	17200	D	53.88	123.97	NA	MMMM	NO			CCCL LLLL	48.66 N 073.31 E	0	0
2130605004	09/02/78	165	26	18204	D	45.10	132.43	60	EEEE	NO			CCCL LLLL	48.66 N 073.31 E	290077	445
2132405013	09/30/78	165	26	18455	D	40.20	138.30	NA	MMMM	NO			CCCL LLLL	48.66 N 073.31 E	0	0
2132304555	09/30/78	164	26	18441	D	40.49	137.97	10	EFEE	NO			CCCL LLLL	48.66 N 074.75 E	290078	178
2132044454	09/30/78	163	26	17172	D	53.77	124.25	60	EEEE	NO			CCCL LLLL	48.66 N 076.20 E	290078	539
2132104441	09/17/78	162	26	18413	D	41.07	137.31	90	EEEE	NO			CCCL LLLL	48.66 N 077.61 E	290078	219
2132004383	09/24/78	161	26	18399	D	41.36	136.98	20	EEEE	NO			CCCL LLLL	48.66 N 079.05 E	290078	290
2130004260	09/08/78	159	26	18120	D	46.56	130.56	0	EEFE	NO			CCCL LLLL	48.66 N 081.92 E	290077	211

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2131704210	09/09/78	158	26	18357	D	42.20	136.00	0	EEFE	NO			CCCL LLLL	48.66 N 083.36 E	290077	759
2132301291	09/30/78	128	26	18439	D	40.55	137.90	0	EEFE	NO			CCCL LLLL	48.66 N 126.38 E	290078	170
2132201233	09/30/78	127	26	18425	D	40.82	137.60	NA	MMMM	NO			CCCL LLLL	48.66 N 127.81 F	0	0
2130401223	09/17/78	127	26	18174	D	45.63	131.75	40	EEEE	NO			CCCL LLLL	48.66 N 127.83 E	290077	271
2131215550	09/08/78	28	26	18294	D	43.43	134.50	90	FFEE	NO			CCCL LLLL	48.66 N 090.16 W	290077	596
2131516122	09/08/78	31	26	18336	D	42.62	135.48	NA	M666	NO			CCCL LLLL	48.66 N 094.45 W	0	0
2131616181	09/08/78	32	26	18350	D	42.35	135.81	10	FFEE	NO			CCCL LLLL	48.66 N 095.89 W	290077	711
2129916230	09/08/78	33	26	18113	D	46.68	130.40	70	EEEE	NO			CCCL LLLL	48.66 N 097.32 W	290077	183
2132016412	09/24/78	36	26	18406	D	41.22	137.13	10	EEEE	NO			CCCL LLLL	48.66 N 101.64 W	290078	307
2132216525	09/30/78	38	26	18434	D	40.65	137.78	40	FFEE	NO			CCCL LLLL	48.66 N 104.50 W	290078	165
2130516575	09/02/78	39	26	18197	D	45.23	132.26	20	FFEE	NO			CCCL LLLL	48.66 N 105.93 W	290077	366
2132316584	09/30/78	39	26	18448	D	40.35	138.13	70	EEEE	NO			CCCL LLLL	48.66 N 105.94 W	290078	366
2131517554	09/08/78	49	26	18337	D	42.61	135.50	20	FFEE	NO			CCCL LLLL	48.66 N 120.27 W	290077	703
2131618013	09/08/78	50	26	18351	D	42.33	135.84	90	EEEE	NO			CCCL LLLL	48.66 N 121.71 W	290077	720
2116108142	09/30/78	200	26	16184	D	35.53	135.90	10	EEEE	NO			CCCL LLLL	48.67 N 023.10 E	290077	46
2131007071	09/08/78	187	26	18261	D	44.06	133.73	30	EEEE	NO			CCCL LLLL	48.67 N 041.75 E	290077	572
2132406445	09/30/78	183	26	18456	D	40.17	138.33	40	FE2E	NO			CCCL LLLL	48.67 N 047.50 E	290078	404
2131005235	09/08/78	169	26	18260	D	44.08	133.69	0	PEEE	NO			CCCL LLLL	48.67 N 067.57 E	290077	561
2130905180	09/03/78	168	26	18246	D	44.33	133.39	50	EEEE	NO			CCCL LLLL	48.67 N 069.00 E	290077	521
2132605131	09/30/78	167	26	18483	D	39.60	138.97	10	EFEE	NO			CCCL LLLL	48.67 N 070.43 E	290078	572
2130404491	09/08/78	163	26	18176	D	45.60	131.79	10	FFEE	NO			CCCL LLLL	48.67 N 076.17 E	290077	619
2132204500	09/30/78	163	26	18427	D	40.77	137.65	10	FFEE	NO			CCCL LLLL	48.67 N 076.18 E	290078	139
2131904324	09/17/78	160	26	18385	D	41.64	136.66	0	FFFE	NO			CCCL LLLL	48.67 N 080.46 E	290078	124
2122704164	09/02/78	158	26	17102	D	53.38	125.02	20	EEEE	NO			CCCL LLLL	48.67 N 083.33 F	290077	139
2131604152	09/17/78	157	26	18343	D	42.49	135.63	30	EEEE	NO			CCCL LLLL	48.67 N 084.78 E	290077	802
2131716240	09/08/78	33	26	18364	D	42.06	136.15	10	EEEE	NO			CCCL LLLL	48.67 N 097.35 W	290077	726
2132116471	09/30/78	37	26	18420	D	40.92	137.48	10	FE2E	NO			CCCL LLLL	48.67 N 103.08 W	290078	360
2132517102	09/24/78	41	26	18476	D	39.76	138.79	40	EEEE	NO			CCCL LLLL	48.67 N 108.82 W	290078	323
2132717215	09/30/78	43	26	18504	D	39.16	139.45	70	FF2E	NO			CCCL LLLL	48.67 N 111.68 W	290078	498
2132817274	09/30/78	44	26	18518	D	38.85	139.78	100	FFEE	NO			CCCL LLLL	48.67 N 113.13 W	290078	456
2117307403	09/24/78	194	26	16351	D	40.06	134.34	80	EEEE	NO			CCCL LLLL	48.68 N 031.68 E	290077	17
2116807113	09/30/78	189	26	16281	D	38.19	135.03	90	EEEE	NO			CCCL LLLL	48.68 N 038.86 E	290077	56
2117305572	09/24/78	176	26	16350	D	40.04	134.35	70	EEEE	NO			CCCL LLLL	48.68 N 057.50 E	290077	5
2116109573	09/30/78	218	26	16185	D	35.54	135.91	80	EEEE	NO			CCCL LLLL	48.68 N 002.71 W	290077	48
2111415445	09/24/78	28	26	15533	S	18.48	141.64	NA	MMMM	NO			CCCL LLLL	48.69 N 090.22 W	0	0
2126009102	09/02/78	209	25	17565	D	52.77	125.00	90	EEEE	NO			CCCL LLLL	50.04 N 010.90 E	290077	126
2132401344	09/30/78	129	25	18453	D	39.42	139.65	90	FFFE	NO			CCCL LLLL	50.05 N 125.62 E	290078	182
2130416514	09/02/78	38	25	18183	D	44.79	133.61	20	EEEE	NO			CCCL LLLL	50.05 N 103.82 W	290077	308
2130606433	09/02/78	183	25	18205	D	44.39	134.09	40	FFEE	NO			CCCL LLLL	50.06 N 048.16 E	290077	455
2123306341	09/30/78	182	25	17187	D	53.32	126.33	0	EEEE	NO			CCCL LLLL	50.06 N 049.59 E	290077	74

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FILM FRAME
2132206325	09/30/78	181	25	18428	D	39.95	139.09	20	EEFE	NO		CCCL	LLLL	50.06 N	051.03 E	290073	150
2131906153	09/17/78	178	25	18386	D	40.83	138.15	10	EEFE	NO		CCCL	LLLL	50.06 N	055.33 E	290073	130
2122705593	09/02/78	176	25	17103	D	52.85	127.20	90	EEEE	NO		CCCL	LLLL	50.06 N	058.20 E	290077	151
2131205350	09/17/78	171	25	18288	D	42.81	135.93	10	EEEE	NO		CCCL	LLLL	50.06 N	065.36 E	290078	69
2132805242	09/30/78	169	25	18511	D	38.15	140.96	90	FE2E	NO		CCCL	LLLL	50.06 N	068.23 E	290078	515
2130705060	09/03/78	166	25	18218	D	44.15	134.37	90	EEEE	NO		CCCL	LLLL	50.06 N	072.55 E	290077	467
2132304552	09/30/78	164	25	18441	D	39.67	139.39	10	EEFE	NO		CCCL	LLLL	50.06 N	075.40 E	290078	177
2123204451	09/30/78	163	25	17172	D	53.25	126.47	40	FEFE	NO		CCCL	LLLL	50.06 N	076.84 E	290078	536
2132004380	09/24/78	161	25	18399	D	40.55	138.45	20	EEEE	NO		CCCL	LLLL	50.06 N	079.70 E	290078	289
2131302141	09/09/78	136	25	18300	D	42.58	136.19	50	EEEE	NO		CCCL	LLLL	50.06 N	115.56 E	290078	28
2131202083	09/24/78	135	25	18286	D	42.85	135.87	70	EEEE	NO		CCCL	LLLL	50.06 N	117.00 E	290078	258
2131102024	09/08/78	134	25	18272	D	43.12	135.57	60	EEEE	NO		CCCL	LLLL	50.06 N	118.44 E	290077	580
2131001565	09/03/78	133	25	18258	D	43.38	135.27	50	FEFE	NO		CCCL	LLLL	50.06 N	119.87 E	290077	529
2123301242	09/30/78	128	25	17184	D	53.30	126.36	60	EEEF	NO		CCCL	LLLL	50.06 N	127.04 E	290078	545
2132101172	09/30/78	126	25	18411	D	40.31	138.71	10	FE2F	NO		CCCL	LLLL	50.06 N	129.90 E	290078	346
2130301162	09/02/78	126	25	18160	D	45.20	133.14	10	EEEE	NO		CCCL	LLLL	50.06 N	129.91 E	290077	303
2129916224	09/08/78	33	25	18113	D	46.01	132.17	70	EEEE	NO		CCCL	LLLL	50.06 N	096.68 W	290077	182
2130216400	09/02/78	36	25	18155	D	45.29	133.02	10	6EEE	NO		CCCL	LLLL	50.06 N	100.97 W	290077	289
2132216523	09/30/78	38	25	18434	D	39.83	139.21	10	EEEE	NO		CCCL	LLLL	50.06 N	103.85 W	290078	164
2130516572	09/02/78	39	25	18197	D	44.52	133.94	40	EEEE	NO		CCCL	LLLL	50.06 N	105.28 W	290077	365
2130817144	09/03/78	42	25	18239	D	43.75	134.84	80	EEFE	NO		CCCL	LLLL	50.06 N	109.57 W	290077	497
2116108135	09/30/78	200	25	16184	D	34.75	137.18	10	EEEE	NO		CCCL	LLLL	50.07 N	023.75 E	290077	45
2131207182	09/09/78	189	25	18289	D	42.79	135.96	20	EEFE	NO		CCCL	LLLL	50.07 N	039.53 E	290078	16
2131007064	09/08/78	187	25	18261	D	43.33	135.34	10	FEFE	NO		CCCL	LLLL	50.07 N	042.40 E	290077	571
2132406443	09/30/78	183	25	18456	D	39.34	139.73	10	EE2E	NO		CCCL	LLLL	50.07 N	048.14 E	290078	403
2132006212	09/30/78	179	25	18400	D	40.53	138.47	0	EEEE	NO		CCCL	LLLL	50.07 N	053.88 F	290078	337
2131806094	09/24/78	177	25	18372	D	41.11	137.84	80	EEEE	NO		CCCL	LLLL	50.07 N	056.75 E	290078	266
2131505522	09/17/78	174	25	18330	D	41.97	136.89	10	EEEE	NO		CCCL	LLLL	50.07 N	061.04 E	290077	790
2131405463	09/08/78	173	25	18316	D	42.24	136.59	10	FEFE	NO		CCCL	LLLL	50.07 N	062.48 F	290077	654
2131005232	09/08/78	169	25	18260	D	43.35	135.31	0	FEFE	NO		CCCL	LLLL	50.07 N	068.22 E	290077	560
2130905174	09/03/78	168	25	18246	D	43.61	135.01	80	EEEE	NO		CCCL	LLLL	50.07 N	069.65 E	290077	520
2132605124	09/30/78	167	25	18483	D	38.76	140.34	0	EEEE	NO		CCCL	LLLL	50.07 N	071.08 E	290078	571
2130805115	09/02/78	167	25	18232	D	43.87	134.70	70	EEEE	NO		CCCL	LLLL	50.07 N	071.09 E	290077	387
2130605002	09/02/78	165	25	18204	D	44.39	134.10	80	EEEE	NO		CCCL	LLLL	50.07 N	073.95 E	290077	444
2123404564	09/17/78	165	25	17200	D	53.36	126.22	NA	EEFE	NO		CCCL	LLLL	50.07 N	073.96 F	290078	86
2132405011	09/30/78	165	25	18455	D	39.37	139.70	NA	MMMM	NO		CCCL	LLLL	50.07 N	073.96 E	0	0
2132204493	09/30/78	163	25	18427	D	39.96	139.08	30	EEEE	NO		CCCL	LLLL	50.07 N	076.81 E	290078	138
2130404484	09/08/78	163	25	18176	D	44.91	133.50	30	FEFE	NO		CCCL	LLLL	50.07 N	076.82 E	290077	618
2132104435	09/17/78	162	25	18413	D	40.26	138.77	80	EEEE	NO		CCCL	LLLL	50.07 N	078.26 E	290078	218
2130004253	09/08/78	159	25	18120	D	45.89	132.32	0	EEFE	NO		CCCL	LLLL	50.07 N	082.57 E	290077	210

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2131704204	09/09/78	158	25	18357	D	41.42	137.50	10	EEFE	NO			CCCL LLLL	50.07 N	084.00 E	290077	758
2131604145	09/17/78	157	25	18343	D	41.72	137.16	70	EEEE	NO			CCCL LLLL	50.07 N	085.43 E	290077	891
2131402200	09/17/78	137	25	18314	D	42.28	136.55	10	EEFE	NO			CCCL LLLL	50.07 N	114.10 E	290077	779
2132902033	09/30/78	134	25	18523	D	37.89	141.22	40	FE2E	NO			CCCL LLLL	50.07 N	118.41 E	290078	528
2132201230	09/30/78	127	25	18425	D	40.01	139.03	20	FE2E	NO			CCCL LLLL	50.07 N	128.46 E	290078	370
2130401221	09/17/78	127	25	18174	D	44.95	133.44	10	FFFF	NO			CCCL LLLL	50.07 N	128.47 E	290077	270
2131716233	09/08/78	33	25	18364	D	41.27	137.66	10	EEEE	NO			CCCL LLLL	50.07 N	096.70 W	290077	725
2132016405	09/24/78	36	25	18406	D	40.41	138.60	10	EEEE	NO			CCCL LLLL	50.07 N	101.00 W	290078	306
2132316582	09/30/78	39	25	18448	D	39.52	139.54	60	EEEE	NO			CCCL LLLL	50.07 N	105.30 W	290078	385
2132517095	09/24/78	41	25	18476	D	38.92	140.17	40	EEEE	NO			CCCL LLLL	50.07 N	108.17 W	290078	322
2132717212	09/30/78	43	25	18504	D	38.30	140.81	80	PE2E	NO			CCCL LLLL	50.07 N	111.04 W	290078	497
2117307401	09/24/78	194	25	16351	D	39.31	135.79	50	EEEE	NO			CCCL LLLL	50.08 N	032.34 E	290077	16
2116807111	09/30/78	189	25	16281	D	37.42	136.42	80	EEFE	NO			CCCL LLLL	50.08 N	039.51 E	290077	55
2131605581	09/30/78	175	25	18344	D	41.68	137.22	10	EEFE	NO			CCCL LLLL	50.08 N	059.59 E	290078	470
2131904321	09/17/78	160	25	18385	D	40.84	138.14	0	EFPE	NO			CCCL LLLL	50.08 N	081.10 E	290078	123
2122704162	09/02/78	158	25	17102	D	52.84	127.23	60	EEEE	NO			CCCL LLLL	50.08 N	083.97 E	290077	138
2132801574	09/30/78	133	25	18509	D	38.19	140.93	20	FF2E	NO			CCCL LLLL	50.08 N	119.83 F	290078	501
2116109571	09/30/78	218	25	16185	D	34.77	137.19	80	EEEE	NO			CCCL LLLL	50.08 N	002.06 W	290077	47
2132116464	09/30/78	37	25	18420	D	40.11	138.92	10	FE2E	NO			CCCL LLLL	50.08 N	102.44 W	290078	359
2132817271	09/30/78	44	25	18518	D	38.00	141.11	100	EEFE	NO			CCCL LLLL	50.08 N	112.48 W	290078	455
2117305565	09/24/78	176	25	16350	D	39.29	135.79	50	EEEE	NO			CCCL LLLL	50.09 N	058.14 E	290077	4
2111415442	09/24/78	28	25	15533	S	17.59	142.43	NA	MMMM	NO			CCCL LLLL	50.10 N	089.57 W	0	0
2128808253	09/02/78	201	24	17955	D	47.91	131.08	10	EFEE	NO			CCCL LLLL	51.45 N	023.04 E	290077	163
2132008041	09/30/78	197	24	18401	D	39.70	139.92	30	EEEE	NO			CCCL LLLL	51.45 N	028.77 E	290078	343
2131702370	09/30/78	140	24	18356	D	40.65	138.95	60	EEFE	NO			CCCL LLLL	51.45 N	110.52 E	290078	484
2130416511	09/02/78	38	24	18183	D	44.07	135.28	60	EEEE	NO			CCCL LLLL	51.45 N	105.15 W	290077	307
2130208031	09/02/78	197	24	18150	D	44.67	134.63	20	EEEE	NO			CCCL LLLL	51.46 N	028.77 E	290077	287
2131407293	09/08/78	191	24	18317	D	41.45	138.12	10	FE2E	NO			CCCL LLLL	51.46 N	037.36 E	290077	660
2130806544	09/02/78	185	24	18233	D	43.12	136.33	20	EEEE	NO			CCCL LLLL	51.46 N	045.97 E	290077	393
2130606431	09/02/78	183	24	18205	D	43.66	135.75	20	EEEE	NO			CCCL LLLL	51.46 N	048.85 E	290077	454
2123306335	09/30/78	182	24	17187	D	52.75	128.55	10	EEEE	NO			CCCL LLLL	51.46 N	050.27 E	290077	73
2132206323	09/30/78	181	24	18428	D	39.11	140.51	70	FFFE	NO			CCCL LLLL	51.46 N	051.70 E	290078	149
2131906150	09/17/78	178	24	18386	D	40.01	139.61	10	EEEE	NO			CCCL LLLL	51.46 N	056.01 E	290078	129
2122705591	09/02/78	176	24	17103	D	52.27	129.38	80	EEEE	NO			CCCL LLLL	51.46 N	058.88 E	290077	150
2130705054	09/03/78	166	24	18218	D	43.41	136.02	80	EEEE	NO			CCCL LLLL	51.46 N	073.23 E	290077	466
2132304550	09/30/78	164	24	18441	D	38.83	140.80	10	EFEE	NO			CCCL LLLL	51.46 N	076.08 E	290078	176
2123204445	09/30/78	163	24	17172	D	52.69	128.68	30	EEEE	NO			CCCL LLLL	51.46 N	077.52 E	290078	537
2131604143	09/17/78	157	24	18343	D	40.92	138.68	80	EEEE	NO			CCCL LLLL	51.46 N	086.12 E	290077	800
2130102474	09/08/78	142	24	18133	D	44.98	134.29	10	EEEE	NO			CCCL LLLL	51.46 N	107.64 E	290077	228
2131902483	09/17/78	142	24	18384	D	40.06	139.56	40	EEFE	NO			CCCL LLLL	51.46 N	107.65 F	290078	118

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2130002415	09/08/78	141	24	18119	D	45.23	134.01	10	EEEE	NO			CCCL LLLL	51.46 N 109.08 E	290077	204
2132216520	09/30/78	38	24	18434	D	38.99	140.63	40	FFFE	NO			CCCL LLLL	51.46 N 103.16 W	290078	163
2130516570	09/02/78	39	24	18197	D	43.80	135.60	40	EEEE	NO			CCCL LLLL	51.46 N 104.60 W	290077	364
2130817142	09/03/78	42	24	18239	D	43.00	136.45	20	EEEE	NO			CCCL LLLL	51.46 N 108.90 W	290077	496
2131117314	09/08/78	45	24	18281	D	42.18	137.34	60	EEEE	NO			CCCL LLLL	51.46 N 113.21 W	290077	585
2116108133	09/30/78	200	24	16184	D	33.96	138.45	10	EEEE	NO			CCCL LLLL	51.47 N 024.43 E	290077	44
2131807523	09/17/78	195	24	18373	D	40.29	139.33	50	EEFE	NO			CCCL LLLL	51.47 N 031.61 E	290078	102
2131607410	09/30/78	193	24	18345	D	40.87	138.72	10	EEFE	NO			CCCL LLLL	51.47 N 034.48 E	290078	477
2131207175	09/09/78	189	24	18289	D	42.01	137.53	10	FEFE	NO			CCCL LLLL	51.47 N 040.21 E	290078	15
2132807071	09/30/78	187	24	18512	D	37.25	142.32	80	FE2E	NO			CCCL LLLL	51.47 N 043.07 E	290078	521
2131007062	09/08/78	167	24	18261	D	42.57	136.94	10	EEEE	NO			CCCL LLLL	51.47 N 043.08 E	290077	570
2132406440	09/30/78	183	24	18456	D	38.49	141.13	10	EE2E	NO			CCCL LLLL	51.47 N 048.81 E	290078	402
2132006205	09/30/78	179	24	18400	D	39.71	139.93	10	EE2E	NO			CCCL LLLL	51.47 N 054.56 E	290078	336
2131806092	09/24/78	177	24	18372	D	40.30	139.32	40	FEFE	NO			CCCL LLLL	51.47 N 057.42 E	290078	265
2131505520	09/17/78	174	24	18330	D	41.18	138.42	0	EEFE	NO			CCCL LLLL	51.47 N 061.73 E	290077	789
2131405461	09/08/78	173	24	18316	D	41.45	138.13	40	FEFE	NO			CCCL LLLL	51.47 N 063.15 E	290077	653
2131305402	09/17/78	172	24	18302	D	41.75	137.80	10	FEFE	NO			CCCL LLLL	51.47 N 064.60 E	290078	80
2131205343	09/17/78	171	24	18288	D	42.03	137.50	10	EEEE	NO			CCCL LLLL	51.47 N 066.04 E	290078	68
2131005230	09/08/78	169	24	18260	D	42.59	136.91	0	FEFE	NO			CCCL LLLL	51.47 N 068.90 E	290077	559
2132805235	09/30/78	169	24	18511	D	37.27	142.31	20	FE2E	NO			CCCL LLLL	51.47 N 068.91 E	290078	514
2130905171	09/03/78	168	24	18246	D	42.86	136.63	80	EEEE	NO			CCCL LLLL	51.47 N 070.33 E	290077	519
2130805112	09/02/78	167	24	18232	D	43.13	136.33	70	EEFE	NO			CCCL LLLL	51.47 N 071.76 E	290077	386
2132605122	09/30/78	167	24	18483	D	37.90	141.71	10	EEEE	NO			CCCL LLLL	51.47 N 071.76 E	290078	570
2123404562	09/17/78	165	24	17200	D	52.80	128.45	90	EEFE	NO			CCCL LLLL	51.47 N 074.63 E	290078	85
2130604595	09/02/78	165	24	18204	D	43.66	135.75	90	EEEE	NO			CCCL LLLL	51.47 N 074.63 E	290077	443
2132405004	09/30/78	165	24	18455	D	38.52	141.10	NA	MMMM	NO			CCCL LLLL	51.47 N 074.64 E		0
2130404482	09/08/78	163	24	18176	D	44.19	135.17	80	FEFE	NO			CCCL LLLL	51.47 N 077.50 E	290077	617
2130304423	09/17/78	162	24	18162	D	44.45	134.88	0	EEEE	NO			CCCL LLLL	51.47 N 078.94 E	290077	268
2132104432	09/17/78	162	24	18413	D	39.43	140.21	90	EEEE	NO			CCCL LLLL	51.47 N 078.94 E	290078	217
2132004374	09/24/78	161	24	18399	D	39.73	139.90	40	EEEE	NO			CCCL LLLL	51.47 N 080.38 E	290078	288
2130004251	09/08/78	159	24	18120	D	45.20	134.05	10	EEEE	NO			CCCL LLLL	51.47 N 083.25 E	290077	209
2131704201	09/09/78	158	24	18357	D	40.62	139.00	40	EEFE	NO			CCCL LLLL	51.47 N 084.68 E	290077	757
2131103453	09/24/78	152	24	18273	D	42.32	137.20	80	EEEE	NO			CCCL LLLL	51.47 N 093.27 E	290078	249
2132803404	09/30/78	151	24	18510	D	37.29	142.29	70	FE2E	NO			CCCL LLLL	51.47 N 094.72 E	290078	509
2131662311	09/17/78	139	24	18342	D	40.93	138.66	10	EEEE	NO			CCCL LLLL	51.47 N 111.92 E	290077	795
2123301240	09/30/78	128	24	17184	D	52.74	128.57	60	FEFE	NO			CCCL LLLL	51.47 N 127.71 E	290078	544
2130401214	09/17/78	127	24	18174	D	44.23	135.13	NA	MMMM	NO			CCCL LLLL	51.47 N 129.14 E		0
2132201224	09/30/78	127	24	18425	D	39.17	140.46	NA	2222	NO			CCCL LLLL	51.47 N 129.14 E		0
2132316575	09/30/78	39	24	18448	D	38.67	140.95	100	FFEE	NO			CCCL LLLL	51.47 N 104.62 W	290078	384
2132517093	09/24/78	41	24	18476	D	38.06	141.55	70	EEEE	NO			CCCL LLLL	51.47 N 107.48 W	290078	321

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2132717210	09/30/78	43	24	18504	D	37.43	142.16	30	FE2E	NO	CCCL	LLLL	51.47 N	110.36 W	290078	496
2117307394	09/24/78	194	24	16351	D	38.55	137.23	20	EEEE	NO	CCCL	LLLL	51.48 N	033.02 E	290077	15
2131605574	09/30/78	175	24	18344	D	40.88	138.72	10	FEFF	NO	CCCL	LLLL	51.48 N	060.27 E	290078	469
2132204491	09/30/78	163	24	18427	D	39.13	140.50	10	FE2E	NO	CCCL	LLLL	51.48 N	077.50 E	290078	382
2122704155	09/02/78	158	24	17102	D	52.25	129.43	80	EEEE	NO	CCCL	LLLL	51.48 N	084.65 E	290077	137
2132116462	09/30/78	37	24	18420	D	39.28	140.35	40	FE2E	NO	CCCL	LLLL	51.48 N	101.77 W	290078	358
2116807104	09/30/78	189	24	16281	D	36.64	137.78	10	EEEE	NO	CCCL	LLLL	51.49 N	040.18 E	290077	54
2117305563	09/24/78	176	24	16350	D	38.53	137.22	30	EEEE	NO	CCCL	LLLL	51.49 N	058.83 E	290077	3
2131904315	09/17/78	160	24	18385	D	40.02	139.61	20	FFFE	NO	CCCL	LLLL	51.49 N	081.78 E	290078	122
2132102594	09/17/78	144	23	18412	D	38.62	141.59	70	EEEE	NO	CCCL	LLLL	52.84 N	105.51 E	290078	214
2130208025	09/02/78	197	23	18150	D	43.94	136.33	20	EEEE	NO	CCCL	LLLL	52.85 N	029.48 E	290077	786
2132008034	09/30/78	197	23	18401	D	36.86	141.37	80	FEFF	NO	CCCL	LLLL	52.85 N	029.48 E	290078	342
2130606424	09/02/78	183	23	18205	D	42.90	137.39	80	EEEE	NO	CCCL	LLLL	52.85 N	049.56 E	290077	453
2130705051	09/03/78	166	23	18218	D	42.64	137.65	80	EEEE	NO	CCCL	LLLL	52.85 N	073.94 E	290077	465
2130416505	09/02/78	38	23	18183	D	43.32	136.95	90	FEFF	NO	CCCL	LLLL	52.85 N	102.44 W	290077	376
2130917194	09/30/78	43	23	18253	D	41.96	138.34	90	EEEE	NO	CCCL	LLLL	52.85 N	109.62 W	290077	544
2130618454	09/30/78	58	23	18212	D	42.77	137.51	20	EEEE	NO	CCCL	LLLL	52.85 N	131.12 W	290078	412
2131807521	09/17/78	195	23	18373	D	39.46	140.80	40	EEEE	NO	CCCL	LLLL	52.86 N	032.33 E	290078	101
2131407290	09/08/78	191	23	18317	D	40.64	139.65	10	FEFF	NO	CCCL	LLLL	52.86 N	038.07 E	290077	659
2130806542	09/02/78	185	23	18233	D	42.35	137.95	10	EEEE	NO	CCCL	LLLL	52.86 N	046.68 E	290077	392
2123306332	09/30/78	182	23	17187	D	52.15	130.75	10	EEEE	NO	CCCL	LLLL	52.86 N	051.00 E	290077	72
2132206320	09/30/78	181	23	18428	D	36.26	141.93	60	FFFE	NO	CCCL	LLLL	52.86 N	052.42 E	290078	148
2132106261	09/30/78	180	23	18414	D	38.57	141.64	100	PE2F	NO	CCCL	LLLL	52.86 N	053.86 E	290078	351
2132006203	09/17/78	179	23	18400	D	38.86	141.38	10	EEEE	NO	CCCL	LLLL	52.86 N	055.28 E	290078	213
2131906144	09/17/78	178	23	18386	D	39.17	141.08	10	EEFF	NO	CCCL	LLLL	52.86 N	056.72 E	290078	125
2122705584	09/02/78	176	23	17103	D	51.65	131.54	70	EEEE	NO	CCCL	LLLL	52.86 N	059.59 E	290077	149
2131505513	09/17/78	174	23	18330	D	40.36	139.93	0	EEEE	NO	CCCL	LLLL	52.86 N	062.45 E	290077	788
2131305400	09/17/78	172	23	18302	D	40.95	139.35	20	EEEE	NO	CCCL	LLLL	52.86 N	065.31 E	290078	79
2131205341	09/17/78	171	23	18288	D	41.24	139.06	70	EEEE	NO	CCCL	LLLL	52.86 N	066.75 E	290078	67
2131005223	09/08/78	169	23	18260	D	41.81	138.50	30	FEFF	NO	CCCL	LLLL	52.86 N	069.62 E	290077	558
2123805190	09/17/78	169	23	17256	D	52.39	130.20	NA	MMMM	NO	CCCL	LLLL	52.86 N	069.63 E	0	0
2132505061	09/30/78	166	23	18469	D	37.34	142.77	10	EEEE	NO	CCCL	LLLL	52.86 N	073.92 E	290078	564
2128905042	09/02/78	166	23	17967	D	47.07	133.16	NA	FMMM	NO	CCCL	LLLL	52.86 N	073.93 E	290077	177
2132405002	09/30/78	165	23	18455	D	37.66	142.50	NA	MMMM	NO	CCCL	LLLL	52.86 N	075.35 E	0	0
2132304543	09/30/78	164	23	18441	D	37.97	142.20	10	EEEE	NO	CCCL	LLLL	52.86 N	076.80 E	290078	175
2123204442	09/30/78	163	23	17172	D	52.08	130.87	20	EEFF	NO	CCCL	LLLL	52.86 N	078.23 E	290078	536
2131604140	09/17/78	157	23	18343	D	40.10	140.19	90	FEFF	NO	CCCL	LLLL	52.86 N	086.84 E	290077	799
2128803151	09/02/78	147	23	17952	D	47.29	132.95	NA	MMMM	NO	CCCL	LLLL	52.86 N	101.17 E	0	0
2130503102	09/08/78	146	23	18189	D	43.20	137.09	40	FEFF	NO	CCCL	LLLL	52.86 N	102.61 E	290077	629
2132203053	09/30/78	145	23	18426	D	38.30	141.90	50	FE2E	NO	CCCL	LLLL	52.86 N	104.04 E	290078	377

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2130403044	09/17/78	145	23	18175	D	43.47	136.81	10	EEEE	NO		CCCL	LLLL	52.86 N	104.06 E	290077	280
2130302585	09/17/78	144	23	18161	D	43.74	136.54	20	EEEE	NO		CCCL	LLLL	52.86 N	105.50 E	290077	265
2132216514	09/30/78	38	23	18434	D	38.12	142.06	90	FFFE	NO		CCCL	LLLL	52.86 N	102.45 W	290078	162
2130516563	09/02/78	39	23	18197	D	43.04	137.25	70	FEFE	NO		CCCL	LLLL	52.86 N	103.89 W	290077	363
2132517090	09/24/78	41	23	18476	D	37.18	142.92	90	EEEE	NO		CCCL	LLLL	52.86 N	106.76 W	290078	320
2130817135	09/03/78	42	23	18239	D	42.23	138.06	10	EEEE	NO		CCCL	LLLL	52.86 N	108.18 W	290077	495
2131117312	09/08/78	45	23	18281	D	41.39	138.91	30	EEEE	NO		CCCL	LLLL	52.86 N	112.50 W	290077	584
2128918503	09/02/78	59	23	17975	D	46.94	133.29	30	EEEE	NO		CCCL	LLLL	52.86 N	132.56 W	290077	330
2116108130	09/30/78	200	23	16184	D	33.15	139.73	20	EEEE	NO		CCCL	LLLL	52.87 N	025.15 E	290077	43
2131607403	09/30/78	193	23	18345	D	40.06	140.23	10	EEEE	NO		CCCL	LLLL	52.87 N	035.19 E	290078	476
2131207173	09/09/78	189	23	18289	D	41.22	139.09	20	FEFE	NO		CCCL	LLLL	52.87 N	040.92 E	290078	14
2131007055	09/08/78	187	23	18261	D	41.79	138.52	30	EEEE	NO		CCCL	LLLL	52.87 N	043.79 E	290077	569
2132807064	09/30/78	187	23	18512	D	36.36	143.67	70	FE2E	NO		CCCL	LLLL	52.87 N	043.79 E	290078	520
2132406434	09/30/78	183	23	18456	D	37.63	142.52	10	FE2E	NO		CCCL	LLLL	52.87 N	049.52 E	290078	401
2131806085	09/24/78	177	23	18372	D	39.47	140.80	20	FEFE	NO		CCCL	LLLL	52.87 N	058.13 E	290078	264
2131105282	09/24/78	170	23	18274	D	41.53	138.78	40	EEEE	NO		CCCL	LLLL	52.87 N	068.17 E	290078	252
2132805233	09/30/78	169	23	18511	D	36.38	143.64	10	FE2E	NO		CCCL	LLLL	52.87 N	069.62 E	290078	513
2130905165	09/03/78	168	23	18246	D	42.08	138.23	50	EEEE	NO		CCCL	LLLL	52.87 N	071.04 E	290077	518
2130805110	09/02/78	167	23	18232	D	42.35	137.96	60	EEEE	NO		CCCL	LLLL	52.87 N	072.47 E	290077	365
2132605115	09/30/78	167	23	18483	D	37.02	143.07	10	FEFE	NO		CCCL	LLLL	52.87 N	072.48 E	290078	569
2130604593	09/02/78	165	23	18204	D	42.91	137.38	90	EEEE	NO		CCCL	LLLL	52.87 N	075.34 E	290077	442
2123404555	09/17/78	165	23	17200	D	52.20	130.67	60	EEEE	NO		CCCL	LLLL	52.87 N	075.35 E	290078	84
2132204484	09/30/78	163	23	18427	D	38.27	141.93	30	FE2E	NO		CCCL	LLLL	52.87 N	078.20 E	290078	381
2130404475	09/08/78	163	23	18176	D	43.45	136.84	60	FEFE	NO		CCCL	LLLL	52.87 N	078.21 E	290077	616
2130304420	09/17/78	162	23	18162	D	43.71	136.57	0	EEEE	NO		CCCL	LLLL	52.87 N	079.65 E	290077	267
2132104430	09/17/78	162	23	18413	D	38.58	141.64	50	EEEE	NO		CCCL	LLLL	52.87 N	079.65 E	290078	216
2132004371	09/24/78	161	23	18399	D	38.88	141.36	50	EEEE	NO		CCCL	LLLL	52.87 N	081.08 E	290078	287
2130004244	09/08/78	159	23	18120	D	44.48	135.79	0	EEEE	NO		CCCL	LLLL	52.87 N	083.95 E	290077	208
2131704195	09/09/78	158	23	18357	D	39.79	140.48	50	FEFE	NO		CCCL	LLLL	52.87 N	085.39 E	290077	756
2131404023	09/08/78	155	23	18315	D	40.68	139.62	80	FEFE	NO		CCCL	LLLL	52.87 N	089.68 E	290077	648
2131203505	09/08/78	153	23	18287	D	41.25	139.06	10	FEFE	NO		CCCL	LLLL	52.87 N	092.55 E	290077	595
2131103451	09/24/78	152	23	18273	D	41.54	138.77	90	EEEE	NO		CCCL	LLLL	52.87 N	093.98 E	290078	248
2123803355	09/17/78	151	23	17255	D	52.38	130.23	NA	MMMM	NO		CCCL	LLLL	52.87 N	095.42 E	0	0
2132803401	09/30/78	151	23	18510	D	36.40	143.62	70	FEPE	NO		CCCL	LLLL	52.87 N	095.43 E	290078	508
2132403170	09/30/78	147	23	18454	D	37.67	142.50	20	EEEE	NO		CCCL	LLLL	52.87 N	101.16 E	290078	197
2132303112	09/17/78	146	23	18440	D	37.98	142.19	90	EEEE	NO		CCCL	LLLL	52.87 N	102.60 E	290078	242
2132316573	09/30/78	39	23	18448	D	37.81	142.35	100	FEFE	NO		CCCL	LLLL	52.87 N	103.90 W	290078	383
2132717203	09/30/78	43	23	18504	D	36.54	143.50	50	FE2E	NO		CCCL	LLLL	52.87 N	109.65 W	290078	495
2130718512	09/02/78	59	23	18226	D	42.48	137.82	80	FEPE	NO		CCCL	LLLL	52.87 N	132.58 W	290077	381
2117307392	09/24/78	194	23	16351	D	37.77	138.65	10	EEEE	NO		CCCL	LLLL	52.88 N	033.73 E	290077	14

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2117305560	09/24/78	176	23	16350	D	37.74	138.67	50	EEEE	NO			CCCL LLLL	52.88 N 059.54 E	290077	2
2131605572	09/30/78	175	23	18344	D	40.07	140.22	50	EFEE	NO			CCCL LLLL	52.88 N 061.00 E	290078	468
2131405454	09/08/78	173	23	18316	D	40.65	139.67	60	FEFE	NO			CCCL LLLL	52.88 N 063.85 E	290077	652
2131904312	09/17/78	160	23	18385	D	39.18	141.08	70	EFEE	NO			CCCL LLLL	52.88 N 082.50 E	290078	121
2122704153	09/02/78	158	23	17102	D	51.63	131.57	90	EEEE	NO			CCCL LLLL	52.88 N 085.36 E	290077	136
2116807102	09/30/78	189	23	16281	D	35.85	139.14	NA	MMMM	NO			CCCL LLLL	52.89 N 040.88 E	0	0
2128908303	09/02/78	202	22	17969	D	46.36	135.03	30	MEME	NO			CCCL LLLL	54.23 N 023.09 E	290077	130
2132308032	09/30/78	197	22	18401	D	37.99	142.82	90	FEFE	NO			CCCL LLLL	54.24 N 030.25 E	290078	341
2130606422	09/02/78	163	22	18205	D	42.11	139.04	80	EEEE	NO			CCCL LLLL	54.24 N 050.37 E	290077	452
2130618451	09/30/78	58	22	18212	D	41.98	139.16	30	EEEE	NO			CCCL LLLL	54.24 N 130.37 W	290078	411
2131807514	09/17/78	195	22	18373	D	38.61	142.27	50	EEEE	NO			CCCL LLLL	54.25 N 033.09 E	290078	100
2130806535	09/02/78	185	22	18233	D	41.55	139.57	40	EEEE	NO			CCCL LLLL	54.25 N 047.43 E	290077	391
2123306330	09/30/78	182	22	17187	D	51.51	132.93	30	EEEE	NO			CCCL LLLL	54.25 N 051.75 E	290077	71
2132206314	09/30/78	181	22	18428	D	37.39	143.35	90	FEFE	NO			CCCL LLLL	54.25 N 053.17 E	290078	147
2132106255	09/30/78	180	22	18414	D	37.70	143.07	90	PF2E	NO			CCCL LLLL	54.25 N 054.61 E	290078	350
2122705582	09/02/78	176	22	17103	D	50.99	133.68	40	EEEE	NO			CCCL LLLL	54.25 N 060.34 E	290077	148
2123805184	09/17/78	169	22	17256	D	51.76	132.40	NA	MMMM	NO			CCCL LLLL	54.25 N 070.39 E	0	0
2128905035	09/02/78	166	22	17967	D	46.38	135.03	90	2E22	NO			CCCL LLLL	54.25 N 074.69 E	290077	176
2130705045	09/03/78	166	22	18218	D	41.86	139.28	90	EEEE	NO			CCCL LLLL	54.25 N 074.69 E	290077	464
2132304541	09/30/78	164	22	18441	D	37.09	143.61	20	FFFE	NO			CCCL LLLL	54.25 N 077.55 E	290078	174
2132819091	09/30/78	62	22	18519	D	35.30	145.12	90	FF2E	NO			CCCL LLLL	54.25 N 136.11 W	290078	527
2116108124	09/30/78	200	22	16184	D	32.32	141.02	30	EEEE	NO			CCCL LLLL	54.26 N 025.90 E	290077	42
2131607401	09/30/78	193	22	18345	D	39.21	141.73	20	EFEE	NO			CCCL LLLL	54.26 N 035.94 E	290078	475
2131407284	09/08/78	191	22	18317	D	39.81	141.19	NA	MMMM	NO			CCCL LLLL	54.26 N 038.82 E	0	0
2132807062	09/30/78	187	22	18512	D	35.45	145.01	40	FE2E	NO			CCCL LLLL	54.26 N 044.54 E	290078	519
2131007053	09/08/78	187	22	18261	D	40.98	140.11	10	FEFE	NO			CCCL LLLL	54.26 N 044.55 E	290077	568
2132006200	09/17/78	179	22	18400	D	38.00	142.83	10	EEEE	NO			CCCL LLLL	54.26 N 056.03 E	290078	212
2131906142	09/17/78	178	22	18386	D	38.32	142.53	20	EEEE	NO			CCCL LLLL	54.26 N 057.47 E	290078	127
2131505511	09/17/78	174	22	18330	D	39.53	141.45	10	EEEE	NO			CCCL LLLL	54.26 N 063.20 E	290077	787
2131305393	09/17/78	172	22	18302	D	40.13	140.89	10	EEEE	NO			CCCL LLLL	54.26 N 066.06 E	290078	78
2131205334	09/17/78	171	22	18288	D	40.42	140.62	30	EEEE	NO			CCCL LLLL	54.26 N 067.50 E	290078	66
2131105280	09/24/78	170	22	18274	D	40.72	140.35	60	EEEE	NO			CCCL LLLL	54.26 N 068.93 E	290078	251
2132805230	09/30/78	169	22	18511	D	35.48	144.98	80	FEFE	NO			CCCL LLLL	54.26 N 070.37 E	290078	512
2131005221	09/08/78	169	22	18260	D	41.00	140.08	60	FEFE	NO			CCCL LLLL	54.26 N 070.38 E	290077	557
2132605113	09/30/78	167	22	18483	D	36.12	144.44	30	EEEE	NO			CCCL LLLL	54.26 N 073.23 E	290078	568
2132505054	09/30/78	166	22	18469	D	36.45	144.15	10	EEEE	NO			CCCL LLLL	54.26 N 074.68 E	290078	563
2123404553	09/17/78	165	22	17200	D	51.56	132.83	70	EFEE	NO			CCCL LLLL	54.26 N 076.10 E	290078	83
2130604590	09/02/78	165	22	18204	D	42.13	139.02	80	EEEE	NO			CCCL LLLL	54.26 N 076.10 E	290077	441
2132404595	09/30/78	165	22	18455	D	36.78	143.88	NA	MMMM	NO			CCCL LLLL	54.26 N 076.11 E	0	0
2130404473	09/08/78	163	22	18176	D	42.68	138.51	20	EEEE	NO			CCCL LLLL	54.26 N 078.97 E	290077	615

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2130304414	09/17/78	162	22	18162	D	42.94	138.26	10	EEEE	NO			CCCL LLLL	54.26 N 080.41 E	290077	266
2132104423	09/17/78	162	22	18413	D	37.71	143.08	80	EFEE	NO			CCCL LLLL	54.26 N 080.41 E	290078	215
2131704192	09/09/78	158	22	18357	D	38.95	141.97	80	EEFE	NO			CCCL LLLL	54.26 N 086.14 E	290077	755
2131604134	09/17/78	157	22	18343	D	39.26	141.69	80	EEEE	NO			CCCL LLLL	54.26 N 087.59 E	290077	792
2132803395	09/30/78	151	22	18510	D	35.50	144.97	60	FEFE	NO			CCCL LLLL	54.26 N 096.18 E	290078	507
2132503222	09/30/78	148	22	18468	D	36.47	144.15	50	FE2E	NO			CCCL LLLL	54.26 N 100.48 E	290078	409
2128903204	09/02/78	148	22	17966	D	46.38	135.04	100	EEFE	NO			CCCL LLLL	54.26 N 100.50 E	290077	175
2128803145	09/02/78	147	22	17952	D	46.60	134.85	50	EEEE	NO			CCCL LLLL	54.26 N 101.92 E	290077	162
2132303105	09/17/78	146	22	18440	D	37.10	143.61	10	EEEE	NO			CCCL LLLL	54.26 N 103.35 E	290078	241
2123303063	09/30/78	146	22	17185	D	51.49	132.96	50	EEEE	NO			CCCL LLLL	54.26 N 103.36 E	290078	550
2130503100	09/08/78	146	22	18189	D	42.42	138.75	30	FEFE	NO			CCCL LLLL	54.26 N 103.36 E	290077	628
2128918500	09/02/78	59	22	17975	D	46.24	135.17	70	EEEE	NO			CCCL LLLL	54.26 N 131.82 W	290077	329
2130718510	09/02/78	59	22	18226	D	41.69	139.44	80	FEFE	NO			CCCL LLLL	54.26 N 131.83 W	290077	380
2117307385	09/24/78	194	22	16351	D	36.98	140.08	10	EEEE	NO			CCCL LLLL	54.27 N 034.50 E	290077	13
2131207170	09/09/78	189	22	18289	D	40.40	140.66	40	EEF6	NO			CCCL LLLL	54.27 N 041.67 E	290078	13
2132406431	09/30/78	183	22	18456	D	36.74	143.92	50	FE2E	NO			CCCL LLLL	54.27 N 050.28 E	290078	400
2131806083	09/24/78	177	22	18372	D	38.62	142.27	40	EEEE	NO			CCCL LLLL	54.27 N 058.88 E	290078	263
2131605565	09/30/78	175	22	18344	D	39.23	141.73	40	EEFE	NO			CCCL LLLL	54.27 N 061.75 E	290078	467
2130905162	09/03/78	168	22	18246	D	41.28	139.83	20	FEFE	NO			CCCL LLLL	54.27 N 071.79 E	290077	517
2130805103	09/02/78	167	22	18232	D	41.56	139.56	80	EEEE	NO			CCCL LLLL	54.27 N 073.22 E	290077	384
2132204482	09/30/78	163	22	18427	D	37.40	143.35	10	FE2E	NO			CCCL LLLL	54.27 N 078.96 E	290078	380
2132004365	09/24/78	161	22	18399	D	38.02	142.81	90	EEEE	NO			CCCL LLLL	54.27 N 081.83 E	290078	286
2131904310	09/17/78	160	22	18385	D	38.32	142.54	90	EEFE	NO			CCCL LLLL	54.27 N 083.25 E	290078	120
2130004242	09/08/78	159	22	18120	D	43.73	137.51	10	EEEE	NO			CCCL LLLL	54.27 N 084.70 E	290077	207
2131404020	09/08/78	155	22	18315	D	39.85	141.15	70	FEFE	NO			CCCL LLLL	54.27 N 090.43 E	290077	647
2131203503	09/08/78	153	22	18287	D	40.43	140.62	50	FEFE	NO			CCCL LLLL	54.27 N 093.30 E	290077	594
2131103444	09/24/78	152	22	18273	D	40.73	140.35	80	EEEE	NO			CCCL LLLL	54.27 N 094.73 E	290078	247
2123803352	09/17/78	151	22	17255	D	51.75	132.42	10	EEFP	NO			CCCL LLLL	54.27 N 096.17 E	290077	244
2132403164	09/30/78	147	22	18454	D	36.78	143.88	70	FFEE	NO			CCCL LLLL	54.27 N 101.91 E	290078	196
2117305554	09/24/78	176	22	16350	D	36.93	140.13	60	EEEE	NO			CCCL LLLL	54.28 N 060.30 E	290077	1
2131405452	09/08/78	173	22	18316	D	39.82	141.19	30	FEFE	NO			CCCL LLLL	54.28 N 064.60 E	290077	651
2122704150	09/02/78	158	22	17102	D	50.98	133.69	70	EEEE	NO			CCCL LLLL	54.28 N 086.11 E	290077	135
2131303562	09/17/78	154	22	18301	D	40.14	140.89	30	EECE	NO			CCCL LLLL	54.28 N 091.85 E	290078	76
2116807095	09/30/78	189	22	16281	D	35.04	140.52	0	EEEE	NO			CCCL LLLL	54.29 N 041.64 E	290077	53
2128908300	09/02/78	202	21	17969	D	45.63	136.91	NA	MMEM	NO			CCCL LLLL	55.62 N 023.89 E	290077	179
2132008025	09/30/78	197	21	18401	D	37.12	144.26	90	FEFE	NO			CCCL LLLL	55.63 N 031.03 E	290078	340
2130606415	09/02/78	183	21	18205	D	41.31	140.69	40	EEEE	NO			CCCL LLLL	55.63 N 051.12 E	290077	451
2123805181	09/17/78	169	21	17256	D	51.09	134.59	20	EEEE	NO			CCCL LLLL	55.63 N 071.19 F	290077	246
2124618072	09/02/78	52	21	17375	D	51.19	133.92	100	M2E2	NO			CCCL LLLL	55.63 N 120.96 W	290077	125
2130618445	09/30/78	58	21	18212	D	41.17	140.80	60	EEEE	NO			CCCL LLLL	55.63 N 129.57 W	290078	410

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM NO	CCM QLTY	MODE	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131807512	09/17/78	195	21	18373	D	37.74	143.75	60	EEEE	NO		CCCL	LLLL	55.64 N	033.88 E	290078	99
2130806533	09/02/78	185	21	18233	D	40.74	141.19	80	EEEE	NO		CCCL	LLLL	55.64 N	048.23 E	290077	397
2123306323	09/30/78	182	21	17187	D	50.83	135.09	30	EEEE	NO		CCCL	LLLL	55.64 N	052.53 E	290077	79
2132206311	09/30/78	181	21	18428	D	36.50	144.78	90	FFEE	NO		CCCL	LLLL	55.64 N	053.97 E	290078	146
2132106252	09/30/78	180	21	18414	D	36.82	144.52	NA	6666	NO		CCCL	LLLL	55.64 N	055.41 E	0	0
2122705575	09/02/78	176	21	17103	D	50.29	135.79	60	EEFE	NO		CCCL	LLLL	55.64 N	061.14 E	290077	147
2131005214	09/08/78	169	21	18260	D	40.18	141.67	70	FEFE	NO		CCCL	LLLL	55.64 N	071.18 E	290077	556
2132505052	09/30/78	166	21	18469	D	35.54	145.55	10	EEEE	NO		CCCL	LLLL	55.64 N	075.48 E	290078	562
2128905033	09/02/78	166	21	17967	D	45.65	136.91	NA	MMMM	NO		CCCL	LLLL	55.64 N	075.50 E	0	0
2130705042	09/03/78	166	21	19218	D	41.05	140.91	90	EEEE	NO		CCCL	LLLL	55.64 N	075.50 E	290077	463
2130903324	09/03/78	150	21	18245	D	40.49	141.40	90	FFFE	NO		CCCL	LLLL	55.64 N	098.43 E	290077	515
2130803265	09/03/78	149	21	18231	D	40.78	141.14	80	EEEE	NO		CCCL	LLLL	55.64 N	099.87 E	290077	485
2132819085	09/30/78	62	21	18519	D	34.38	146.47	90	FF2E	NO		CCCL	LLLL	55.64 N	135.31 W	290078	526
2116108121	09/30/78	200	21	16184	D	31.48	142.33	40	EEEE	NO		CCCL	LLLL	55.65 N	026.70 F	290077	41
2131607394	09/30/78	193	21	18345	D	38.35	143.25	20	EEEE	NO		CCCL	LLLL	55.65 N	036.75 E	290078	474
2131407281	09/08/78	191	21	18317	D	38.96	142.72	70	FEFE	NO		CCCL	LLLL	55.65 N	039.62 E	290077	658
2132807055	09/30/78	187	21	18512	D	34.54	146.35	30	FE2E	NO		CCCL	LLLL	55.65 N	045.34 F	290078	518
2131007050	09/08/78	187	21	18261	D	40.15	141.70	10	EEEE	NO		CCCL	LLLL	55.65 N	045.35 E	290077	567
2130706474	09/03/78	184	21	18219	D	41.02	140.94	30	EEEE	NO		CCCL	LLLL	55.65 N	049.66 E	290077	469
2132406425	09/30/78	183	21	18456	D	35.84	145.33	80	FE2E	NO		CCCL	LLLL	55.65 N	051.08 E	290078	399
2132006194	09/17/78	179	21	18460	D	37.12	144.28	20	EEEE	NO		CCCL	LLLL	55.65 N	056.82 E	290078	211
2131906135	09/17/78	178	21	18386	D	37.44	144.01	50	EEFE	NO		CCCL	LLLL	55.65 N	058.26 F	290078	126
2131505504	09/17/78	174	21	18330	D	38.68	142.97	60	FFFE	NO		CCCL	LLLL	55.65 N	064.00 E	290077	786
2131305391	09/17/78	172	21	18302	D	39.29	142.44	20	EEEE	NO		CCCL	LLLL	55.65 N	066.86 E	290078	77
2131205332	09/17/78	171	21	18288	D	39.59	142.18	40	EEEF	NO		CCCL	LLLL	55.65 N	068.30 E	290078	65
2131105273	09/24/78	170	21	18274	D	39.88	141.93	80	FEFE	NO		CCCL	LLLL	55.65 N	069.73 E	290078	250
2132805224	09/30/78	169	21	18511	D	34.56	146.33	60	FEFE	NO		CCCL	LLLL	55.65 N	071.17 E	290078	511
2130604584	09/02/78	165	21	18204	D	41.32	140.67	90	EEFE	NO		CCCL	LLLL	55.65 N	076.90 E	290077	440
2123404550	09/17/78	165	21	17200	D	50.89	135.00	90	FEFE	NO		CCCL	LLLL	55.65 N	076.91 E	290078	82
2132404593	09/30/78	165	21	18455	D	35.88	145.28	NA	MMMM	NO		CCCL	LLLL	55.65 N	076.91 E	0	0
2132304534	09/30/78	164	21	18441	D	36.19	145.03	40	FFEE	NO		CCCL	LLLL	55.65 N	078.34 E	290078	173
2130404470	09/08/78	163	21	18176	D	41.88	140.18	30	EEEE	NO		CCCL	LLLL	55.65 N	079.77 E	290077	614
2131604131	09/17/78	157	21	18343	D	38.40	143.20	80	EEEE	NO		CCCL	LLLL	55.65 N	088.38 E	290077	797
2123803350	09/17/78	151	21	17255	D	51.09	134.59	30	E222	NO		CCCL	LLLL	55.65 N	096.97 E	290077	243
2132803392	09/30/78	151	21	18510	D	34.58	146.32	80	FE2E	NO		CCCL	LLLL	55.65 N	096.98 E	290078	506
2129003260	09/02/78	149	21	17980	D	45.43	137.11	NA	6666	NO		CCCL	LLLL	55.65 N	099.85 E	0	0
2128803143	09/02/78	147	21	17952	D	45.88	136.73	NA	MMMM	NO		CCCL	LLLL	55.65 N	102.71 F	0	0
2132303103	09/17/78	146	21	18440	D	36.20	145.04	10	EEEE	NO		CCCL	LLLL	55.65 N	104.15 E	290078	240
2130503093	09/08/78	146	21	18189	D	41.63	140.40	30	EEEE	NO		CCCL	LLLL	55.65 N	104.16 E	290077	627
2128918494	09/02/78	59	21	17975	D	45.52	137.03	50	EEEE	NO		CCCL	LLLL	55.65 N	131.03 W	290077	328

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2130718503	09/02/78	59	21	18226	D	40.88	141.07	90	FFPE	NO			CCCL LLLL	55.65 N	131.03 W	290077	379
2117307383	09/24/78	194	21	16351	D	36.16	141.52	10	EEEE	NO			CCCL LLLL	55.66 N	035.30 E	290077	12
2131207164	09/17/78	189	21	18289	D	39.56	142.22	50	EEEE	NO			CCCL LLLL	55.66 N	042.47 E	290078	73
2131806080	09/24/78	177	21	18372	D	37.75	143.75	30	EEEE	NO			CCCL LLLL	55.66 N	059.68 E	290078	262
2131605563	09/30/78	175	21	18344	D	38.37	143.25	70	FEFE	NO			CCCL LLLL	55.66 N	062.54 E	290078	466
2130905160	09/03/78	168	21	18246	D	40.46	141.44	40	EEEE	NO			CCCL LLLL	55.66 N	072.59 F	290077	516
2130805101	09/02/78	167	21	18232	D	40.75	141.18	70	EEEE	NO			CCCL LLLL	55.66 N	074.01 E	290077	383
2132605110	09/30/78	167	21	18483	D	35.21	145.82	70	EEFE	NO			CCCL LLLL	55.66 N	074.03 E	290078	567
2132204475	09/30/78	163	21	18427	D	36.51	144.78	10	FE2E	NO			CCCL LLLL	55.66 N	079.75 E	290078	379
2132304362	09/24/78	161	21	18399	D	37.14	144.27	50	EEEE	NO			CCCL LLLL	55.66 N	082.62 E	290078	265
2130004235	09/08/78	159	21	18120	D	42.96	139.25	10	EEEE	NO			CCCL LLLL	55.66 N	085.50 E	290077	206
2131704190	09/09/78	158	21	18357	D	38.08	143.47	80	FEFE	NO			CCCL LLLL	55.66 N	086.93 E	290077	754
2131404014	09/08/78	155	21	18315	D	39.01	142.68	70	EEEE	NO			CCCL LLLL	55.66 N	091.23 E	290077	646
2131203500	09/08/78	153	21	18287	D	39.59	142.19	30	FEFE	NO			CCCL LLLL	55.66 N	094.09 E	290077	593
2131103442	09/24/78	152	21	18273	D	39.89	141.93	70	EEFE	NO			CCCL LLLL	55.66 N	095.53 E	290078	246
2132603275	09/30/78	149	21	18482	D	35.24	145.80	40	EEEE	NO			CCCL LLLL	55.66 N	099.84 E	290078	565
2132403161	09/30/78	147	21	18454	D	35.88	145.29	90	FFEE	NO			CCCL LLLL	55.66 N	102.71 E	290078	195
2116807093	09/30/78	189	21	16281	D	34.20	141.92	0	EEEE	NO			CCCL LLLL	55.67 N	042.44 E	290077	52
2131904303	09/17/78	160	21	18385	D	37.45	144.01	90	FFFE	NO			CCCL LLLL	55.67 N	084.05 E	290078	119
2122704144	09/02/78	158	21	17102	D	50.28	135.81	20	EEEE	NO			CCCL LLLL	55.67 N	086.92 E	290077	134
2131303555	09/17/78	154	21	18301	D	39.30	142.44	20	EEEE	NO			CCCL LLLL	55.67 N	092.65 E	290078	75
2131718051	09/06/78	51	21	18365	D	37.90	143.64	70	EEFE	NO			CCCL LLLL	55.67 N	119.59 W	290078	53
2131405445	09/08/78	173	21	18316	D	38.98	142.71	50	FEFE	NO			CCCL LLLL	55.68 N	065.38 E	290077	650
2128908294	09/02/78	202	20	17969	D	44.88	138.79	NA	M2EM	NO			CCCL LLLL	57.01 N	024.73 E	290077	178
2127519113	09/02/78	63	20	17780	D	47.64	136.78	NA	MMMM	NO			CCCL LLLL	57.01 N	135.89 W	0	0
2132008023	09/30/78	197	20	18401	D	36.23	145.72	90	FEFE	NO			CCCL LLLL	57.02 N	031.88 E	290078	339
2123805175	09/17/78	169	20	17256	D	50.39	136.76	20	EEFE	NO			CCCL LLLL	57.02 N	072.04 E	290077	245
2130007500	09/08/78	195	20	18122	D	42.13	141.00	60	EEEE	NO			CCCL LLLL	57.03 N	034.73 E	290077	213
2131807505	09/24/78	195	20	18373	D	36.86	145.25	40	EEEE	NO			CCCL LLLL	57.03 N	034.73 E	290078	266
2130806530	09/02/78	185	20	18233	D	39.90	142.81	70	EEFE	NO			CCCL LLLL	57.03 N	049.08 E	290077	389
2132206305	09/30/78	181	20	18428	D	35.59	146.22	100	FFEE	NO			CCCL LLLL	57.03 N	054.81 E	290078	145
2122705573	09/02/78	176	20	17103	D	49.57	137.90	60	EEEE	NO			CCCL LLLL	57.03 N	061.98 E	290077	146
2131505502	09/17/78	174	20	18330	D	37.81	144.50	60	EEEE	NO			CCCL LLLL	57.03 N	064.85 E	290077	785
2131205325	09/17/78	171	20	18288	D	38.73	143.75	80	EEEE	NO			CCCL LLLL	57.03 N	069.16 E	290078	64
2132805221	09/30/78	169	20	18511	D	33.63	147.70	20	FEFE	NO			CCCL LLLL	57.03 N	072.02 E	290078	510
2123404544	09/17/78	165	20	17200	D	50.18	137.15	NA	MMMM	NO			CCCL LLLL	57.03 N	077.76 E	0	0
2132404590	09/30/78	165	20	18455	D	34.96	146.70	NA	MMMM	NO			CCCL LLLL	57.03 N	077.76 E	0	0
2131604125	09/17/78	157	20	18343	D	37.53	144.72	NA	FF22	NO			CCCL LLLL	57.03 N	089.23 E	290077	796
2132819082	09/30/78	62	20	18519	D	33.44	147.83	90	FE2E	NO			CCCL LLLL	57.03 N	134.48 W	290078	525
2117307380	09/24/78	194	20	16351	D	35.32	143.00	50	EEFE	NO			CCCL LLLL	57.04 N	036.15 E	290077	11

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2131607392	09/30/78	193	20	18345	D	37.48	144.76	20	EEEE	NO			CCCL LLLL	57.04 N	037.59 E	290078	473
2131407275	09/08/78	191	20	18317	D	38.10	144.27	90	EEEE	NO			CCCL LLLL	57.04 N	040.46 E	290077	657
2131207161	09/17/78	189	20	18289	D	38.70	143.79	70	EEEE	NO			CCCL LLLL	57.04 N	043.32 E	290078	72
2132807053	09/30/78	187	20	18512	D	33.60	147.73	70	FE2E	NO			CCCL LLLL	57.04 N	046.19 E	290078	517
2131007044	09/08/78	187	20	18261	D	39.31	143.30	50	EEEE	NO			CCCL LLLL	57.04 N	046.20 E	290077	566
2132006191	09/17/78	179	20	18400	D	36.23	145.75	40	EEEE	NO			CCCL LLLL	57.04 N	057.66 E	290078	210
2131806074	09/24/78	177	20	18372	D	36.56	145.25	30	EEEE	NO			CCCL LLLL	57.04 N	060.54 E	290078	261
2132605104	09/30/78	167	20	18483	D	34.29	147.21	80	EEEE	NO			CCCL LLLL	57.04 N	074.88 E	290078	566
2130604581	09/02/78	165	20	18204	D	40.49	142.34	90	M6E6	NO			CCCL LLLL	57.04 N	077.75 E	290077	439
2130404464	09/08/78	163	20	18176	D	41.07	141.86	80	EE66	NO			CCCL LLLL	57.04 N	080.62 E	290077	613
2132320224	09/30/78	75	20	18450	D	35.07	146.63	70	FE2E	NO			CCCL LLLL	57.04 N	153.13 W	290078	398
2116807090	09/30/78	189	20	18281	D	33.36	143.32	0	EEEE	NO			CCCL LLLL	57.05 N	043.30 E	290077	51
2131605560	09/30/78	175	20	18344	D	37.49	144.77	80	EEEE	NO			CCCL LLLL	57.05 N	063.39 E	290078	465
2130805095	09/02/78	167	20	18232	D	39.91	142.81	60	EEEE	NO			CCCL LLLL	57.05 N	074.86 E	290077	382
2132204473	09/30/78	163	20	18427	D	35.59	146.23	60	FEFE	NO			CCCL LLLL	57.05 N	080.60 E	290078	378
2132004360	09/24/78	161	20	18399	D	36.24	145.75	50	EEEE	NO			CCCL LLLL	57.05 N	083.46 E	290078	284
2130004233	09/08/78	159	20	18120	D	42.16	140.97	10	EEEE	NO			CCCL LLLL	57.05 N	086.34 E	290077	205
2131404011	09/08/78	155	20	18315	D	38.13	144.25	NA	2666	NO			CCCL LLLL	57.05 N	092.08 E	0	U
2131305553	09/17/78	154	20	18301	D	38.44	144.00	60	EEEE	NO			CCCL LLLL	57.05 N	093.50 E	290078	74
2131203494	09/08/78	153	20	18287	D	38.74	143.76	20	EEEE	NO			CCCL LLLL	57.05 N	094.93 E	290077	592
2131103435	09/24/78	152	20	18273	D	39.04	143.52	50	EEEE	NO			CCCL LLLL	57.05 N	096.38 E	290078	245
2133019200	09/30/78	64	20	18547	D	32.76	148.33	30	EEEE	NO			CCCL LLLL	57.05 N	137.37 W	290078	575
2131405443	09/08/78	173	20	18316	D	38.11	144.26	60	EEEE	NO			CCCL LLLL	57.06 N	066.25 E	290077	649
2128908291	09/02/78	202	19	17969	D	44.10	140.68	NA	MMMM	NO			CCCL LLLL	58.39 N	025.63 E	0	0
2132008020	09/30/78	197	19	18401	D	35.31	147.22	90	EEEE	NO			CCCL LLLL	58.40 N	032.78 E	290078	338
2130007494	09/08/78	195	19	18122	D	41.31	142.75	80	EEEE	NO			CCCL LLLL	58.41 N	035.64 E	290077	212
2131807503	09/24/78	195	19	18373	D	35.95	146.76	60	EEEE	NO			CCCL LLLL	58.41 N	035.64 E	290078	267
2131607385	09/30/78	193	19	18345	D	36.59	146.30	50	EEEE	NO			CCCL LLLL	58.41 N	038.50 E	290078	472
2131007041	09/08/78	187	19	18261	D	38.44	144.92	90	FEFE	NO			CCCL LLLL	58.41 N	047.10 E	290077	565
2132206302	09/30/78	181	19	18428	D	34.67	147.69	100	FFFE	NO			CCCL LLLL	58.41 N	055.72 E	290078	144
2122705570	09/02/78	176	19	17103	D	48.81	140.01	70	EEFE	NO			CCCL LLLL	58.41 N	062.89 E	290077	145
2131604122	09/17/78	157	19	18343	D	36.63	146.26	NA	MMMM	NO			CCCL LLLL	58.41 N	090.14 E	0	0
2131519360	09/09/78	67	19	18338	D	36.75	146.18	70	EEEE	NO			CCCL LLLL	58.41 N	140.75 W	290077	747
2117307374	09/24/78	194	19	18351	D	34.46	144.50	80	EEEE	NO			CCCL LLLL	58.42 N	037.06 E	290077	10
2131407272	09/08/78	191	19	18317	D	37.22	145.83	80	FEEL	NO			CCCL LLLL	58.42 N	041.37 E	290077	656
2131207155	09/17/78	189	19	18289	D	37.83	145.38	90	EEEE	NO			CCCL LLLL	58.42 N	044.23 E	290078	71
2132807050	09/30/78	187	19	18512	D	32.64	149.13	70	FE2E	NO			CCCL LLLL	58.42 N	047.10 E	290078	516
2131806071	09/17/78	177	19	18372	D	35.96	146.77	70	EEFE	NO			CCCL LLLL	58.42 N	061.44 E	290078	209
2132819080	09/30/78	62	19	18519	D	32.46	149.23	60	FF2E	NO			CCCL LLLL	58.42 N	133.57 W	290078	524
2133019193	09/30/78	64	19	18547	D	31.79	149.70	70	EEEE	NO			CCCL LLLL	58.42 N	136.45 W	290078	574

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLM FRAME
2131319243	09/09/78	65	19	18310	D	37.36	145.73	40	EEEE	NO			CCCL LLLL	58.42 N 137.89 W	290078	35
2131419301	09/09/78	66	19	18324	D	37.05	145.96	10	EEEE	NO			CCCL LLLL	58.42 N 139.33 W	290077	744
2132320222	09/30/78	75	19	18450	D	34.14	148.08	60	FE2E	NO			CCCL LLLL	58.42 N 152.23 W	290078	397
2130820385	09/08/78	78	19	18241	D	38.88	144.58	90	EEPE	NO			CCCL LLLL	58.42 N 156.52 W	290078	52
2131605554	09/30/78	175	19	18344	D	36.60	146.30	80	EEEE	NO			CCCL LLLL	58.43 N 064.29 E	290078	464
2131407270	09/08/78	191	18	18317	D	36.32	147.41	60	EEEE	NO			CCCL LLLL	59.78 N 042.34 E	290077	655
2132120102	09/30/78	73	18	18422	D	33.88	149.08	90	FF2E	NO			CCCL LLLL	59.78 N 148.36 W	290078	368
2131607383	09/30/78	193	18	18345	D	35.68	147.87	90	FFEE	NO			CCCL LLLL	59.79 N 039.47 E	290078	471
2131319240	09/09/78	65	18	18310	D	36.47	147.32	20	EEPF	NO			CCCL LLLL	59.79 N 136.92 W	290078	37
2131519354	09/09/78	67	18	18338	D	35.84	147.76	80	FFFE	NO			CCCL LLLL	59.79 N 139.78 W	290077	746
2130520210	09/08/78	75	18	18199	D	38.90	145.60	80	FE2E	NO			CCCL LLLL	59.79 N 151.25 W	290077	696
2130820382	09/08/78	78	18	18241	D	38.00	146.25	40	EEPE	NO			CCCL LLLL	59.79 N 155.55 W	290078	51
2131207152	09/17/78	149	18	18289	D	36.94	147.00	90	FEFF	NO			CCCL LLLL	59.80 N 045.20 E	290078	70
2133019191	09/30/78	64	18	18547	D	30.81	151.11	50	EEEE	NO			CCCL LLLL	59.80 N 135.50 W	290078	573
2131419295	09/09/78	66	18	18324	D	36.15	147.55	0	EEEE	NO			CCCL LLLL	59.80 N 138.35 W	290077	743
2132320215	09/30/78	75	18	18450	D	33.20	149.55	10	FE2E	NO			CCCL LLLL	59.80 N 151.26 W	290078	396
2130220031	09/17/78	72	17	18157	D	38.92	146.72	90	EEEE	NO			CCCL LLLL	61.13 N 145.88 W	290077	264
2123019594	09/30/78	72	17	17153	D	47.59	143.92	30	EEEE	NO			CCCL LLLL	61.15 N 145.90 W	290077	68
2132120095	09/30/78	73	17	18422	D	32.93	150.63	80	FE2E	NO			CCCL LLLL	61.15 N 147.33 W	290078	367
2130520203	09/08/78	75	17	18199	D	38.01	147.35	60	EE2E	NO			CCCL LLLL	61.15 N 150.20 W	290077	695
2130920434	09/08/78	79	17	18255	D	36.80	148.13	90	EEFE	NO			CCCL LLLL	61.15 N 155.94 W	290077	637
2130820380	09/08/78	78	17	18241	D	37.10	147.94	20	EEPE	NO			CCCL LLLL	61.16 N 154.51 W	290078	50
2131120552	09/17/78	81	17	18283	D	36.18	148.54	20	EEFE	NO			CCCL LLLL	61.16 N 158.81 W	290077	778
2132320213	09/30/78	75	17	18450	D	32.24	151.07	40	FE2E	NO			CCCL LLLL	61.17 N 150.22 W	290078	395
2130720315	09/08/78	77	16	18227	D	36.54	149.42	50	EEEE	NO			CCCL LLLL	62.48 N 151.91 W	290077	702
2130220025	09/17/78	72	16	18157	D	38.03	148.54	70	EEEE	NO			CCCL LLLL	62.49 N 144.75 W	290077	263
2123019592	09/30/78	72	16	17153	D	46.76	146.11	30	EEEE	NO			CCCL LLLL	62.51 N 144.77 W	290077	67
2132120093	09/30/78	73	16	18422	D	31.96	152.23	70	FE2E	NO			CCCL LLLL	62.51 N 146.20 W	290078	366
2130520201	09/08/78	75	16	18199	D	37.11	149.13	30	EEPE	NO			CCCL LLLL	62.51 N 149.08 W	290077	694
2130820373	09/08/78	78	16	18241	D	36.20	149.68	50	EEPE	NO			CCCL LLLL	62.52 N 153.39 W	290078	49
2130920432	09/08/78	79	16	18255	D	35.89	149.87	40	EEFE	NO			CCCL LLLL	62.52 N 154.81 W	290077	636
2131120545	09/17/78	81	16	18283	D	35.26	150.25	10	EEEE	NO			CCCL LLLL	62.52 N 157.68 W	290077	777
2132320210	09/30/78	75	16	18450	D	31.27	152.65	50	FE2E	NO			CCCL LLLL	62.53 N 149.10 W	290078	394
2130220022	09/17/78	72	15	18157	D	37.14	150.39	50	EEEF	NO			CCCL LLLL	63.83 N 143.52 W	290077	262
2130720312	09/08/78	77	15	18227	D	35.62	151.25	90	EEEE	NO			CCCL LLLL	63.83 N 150.68 W	290077	701
2130420140	09/17/78	74	15	18185	D	36.52	150.76	10	EEFE	NO			CCCL LLLL	63.85 N 146.41 W	290077	285
2130021341	09/17/78	88	15	18130	D	37.69	150.10	70	EEEE	NO			CCCL LLLL	63.85 N 166.47 W	290077	250
2123019585	09/30/78	72	15	17153	D	45.90	148.33	20	EEEE	NO			CCCL LLLL	63.86 N 143.55 W	290077	66
2132120090	09/30/78	73	15	18422	D	30.99	153.89	60	FEPE	NO			CCCL LLLL	63.86 N 144.98 W	290078	365
2129921282	09/08/78	87	15	18116	D	37.96	149.98	30	EEEE	NO			CCCL LLLL	63.86 N 165.05 W	290077	273

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2130920425	09/08/78	79	15	18255	D	34.96	151.66	60	EEEE	NO		CCCL	LLLL	63.87 N	153.60 W	290077	635
2131120543	09/17/78	81	15	18283	D	34.32	152.02	10	EEEE	NO		CCCL	LLLL	63.87 N	156.45 W	290077	716
2130520195	09/08/78	75	15	18199	D	36.20	150.96	10	FEFE	NO		CCCL	LLLL	63.88 N	147.87 W	290077	693
2130820371	09/08/78	78	15	18241	D	35.27	151.50	90	EEFE	NO		CCCL	LLLL	63.88 N	152.17 W	290078	48
2132320204	09/30/78	75	15	18450	D	30.28	154.30	60	FE2E	NO		CCCL	LLLL	63.89 N	147.87 W	290078	333
2130220020	09/17/78	72	14	18157	D	36.22	152.33	40	FEFE	NO		CCCL	LLLL	65.17 N	142.18 W	290077	261
2130720310	09/08/78	77	14	18227	D	34.67	153.15	90	FEFF	NO		CCCL	LLLL	65.18 N	149.35 W	290077	700
2130420133	09/17/78	74	14	18185	D	35.59	152.69	10	EEFE	NO		CCCL	LLLL	65.19 N	145.06 W	290077	264
2130021334	09/17/78	82	14	18130	D	36.77	152.66	40	EEEE	NO		CCCL	LLLL	65.19 N	165.14 W	290077	258
2129921275	09/08/78	87	14	18116	D	37.05	151.96	80	EEEE	NO		CCCL	LLLL	65.20 N	163.72 W	290077	202
2123019583	09/30/78	72	14	17153	D	45.01	150.61	40	EEEE	NO		CCCL	LLLL	65.21 N	142.21 W	290077	65
2132120084	09/30/78	73	14	18422	D	30.01	155.64	NA	MMMM	NO		CCCL	LLLL	65.21 N	143.64 W	0	0
2132220143	09/30/78	74	14	18436	D	29.67	155.79	100	FE2F	NO		CCCL	LLLL	65.21 N	145.08 W	290078	490
2131120540	09/17/78	81	14	18283	D	33.36	153.89	10	EEFE	NO		CCCL	LLLL	65.21 N	155.12 W	290077	775
2130920423	09/08/78	79	14	18255	D	34.01	153.53	90	EEFF	NO		CCCL	LLLL	65.22 N	152.26 W	290077	634
2132320201	09/30/78	75	14	18450	D	29.29	156.03	70	FF2E	NO		CCCL	LLLL	65.23 N	146.53 W	290078	392
2130620364	09/08/78	78	14	18241	D	34.32	153.38	80	EEFE	NO		CCCL	LLLL	65.23 N	150.84 W	290078	47
2131621230	09/09/78	86	14	18353	D	31.68	154.79	50	EEFE	NO		CCCL	LLLL	65.23 N	162.31 W	290077	752
2130520192	09/08/78	75	14	18199	D	35.26	152.90	60	EEFE	NO		CCCL	LLLL	65.25 N	146.55 W	290077	692
2130220013	09/17/78	72	13	18157	D	35.28	154.38	10	EE6E	NO		CCCL	LLLL	66.50 N	140.71 W	290077	260
2130720303	09/08/78	77	13	18227	D	33.71	155.15	70	EEFE	NO		CCCL	LLLL	66.51 N	147.89 W	290077	699
2130420131	09/17/78	74	13	18185	D	34.65	154.71	20	EEEE	NO		CCCL	LLLL	66.52 N	143.59 W	290077	283
2130021332	09/17/78	88	13	18130	D	35.83	154.15	30	EEEE	NO		CCCL	LLLL	66.52 N	163.68 W	290077	257
2130209420	09/02/78	215	13	18151	D	35.38	154.37	90	FFEE	NO		CCCL	HHLL	66.53 N	014.13 E	290077	288
2129921273	09/08/78	87	13	18116	D	36.12	154.03	50	EEEE	NO		CCCL	LLLL	66.53 N	162.25 W	290077	201
2123019580	09/30/78	72	13	17153	D	44.11	152.98	60	EEEE	NO		CCCL	LLLL	66.54 N	140.75 W	290077	64
2132120081	09/30/78	73	13	18422	D	29.01	157.48	30	FEFE	NO		CCCL	LLLL	66.54 N	142.18 W	290078	364
2132220140	09/30/78	74	13	18436	D	28.67	157.63	90	FE2F	NO		CCCL	LLLL	66.54 N	143.61 W	290078	469
2132320195	09/30/78	75	13	18450	D	28.30	157.82	70	FE2E	NO		CCCL	LLLL	66.55 N	145.05 W	290078	391
2130820362	09/08/78	78	13	18241	D	33.36	155.37	60	EEFE	NO		CCCL	LLLL	66.55 N	149.36 W	290078	46
2131120534	09/17/78	81	13	18283	D	32.39	155.84	20	EEEE	NO		CCCL	LLLL	66.55 N	153.66 W	290077	774
2131421110	09/17/78	84	13	18325	D	31.39	156.34	70	EEFE	NO		CCCL	LLLL	66.55 N	157.97 W	290077	784
2130920420	09/08/78	79	13	18255	D	33.05	155.52	80	EEFE	NO		CCCL	LLLL	66.56 N	150.79 W	290077	633
2131621223	09/09/78	86	13	18353	D	30.70	156.70	60	EEFE	NO		CCCL	LLLL	66.57 N	160.84 W	290077	751
2130520185	09/08/78	75	13	18199	D	34.31	154.93	10	EEFE	NO		CCCL	LLLL	66.59 N	145.08 W	290077	691
2130720301	09/08/78	77	12	18227	D	32.75	157.27	70	FEFE	NO		CCCL	LLLL	67.84 N	146.28 W	290077	698
2130420124	09/17/78	74	12	18185	D	33.69	156.84	50	EEEE	NO		CCCL	LLLL	67.85 N	141.98 W	290077	262
2129921270	09/08/78	87	12	18116	D	35.18	156.22	10	EEEE	NO		CCCL	LLLL	67.85 N	160.62 W	290077	200
2130021325	09/17/78	88	12	18130	D	34.88	156.35	10	EEEE	NO		CCCL	LLLL	67.85 N	162.06 W	290077	256
2132120075	09/30/78	73	12	18422	D	28.01	159.45	10	EEFE	NO		CCCL	LLLL	67.86 N	140.55 W	290078	363

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2132220134	09/30/78	74	12	18436	D	27.65	159.61	80	FF2F	NO		CCCL	LLLL	67.86 N	142.00 W	290078	458
2132320192	09/30/78	75	12	18450	D	27.30	159.75	70	FE2E	NO		CCCL	LLLL	67.86 N	143.43 W	290078	390
2130920414	09/08/78	79	12	18255	D	32.38	157.61	50	EEEE	NO		CCCL	LLLL	67.87 N	149.17 W	290077	632
2131120531	09/17/78	81	12	18283	D	31.41	157.93	10	EEEE	NO		CCCL	LLLL	67.87 N	152.03 W	290077	773
2130820355	09/08/78	78	12	18241	D	32.39	157.48	70	EEFE	NO		CCCL	LLLL	67.88 N	147.75 W	290077	45
2131421104	09/17/78	84	12	18325	D	30.40	158.39	80	EEFE	NO		CCCL	LLLL	67.88 N	156.35 W	290077	783
2131621221	09/09/78	86	12	18353	D	29.70	158.73	20	EEFE	NO		CCCL	LLLL	67.89 N	159.22 W	290077	750
2130520183	09/08/78	75	12	18199	D	33.34	157.08	10	EEEE	NO		CCCL	LLLL	67.90 N	143.45 W	290077	690
2129921264	09/08/78	87	11	18116	D	34.23	158.53	40	EEEF	NO		CCCL	LLLL	69.14 N	158.82 W	290077	199
2130420122	09/17/78	74	11	18185	D	32.72	159.13	20	EEEE	NO		CCCL	LLLL	69.15 N	140.18 W	290077	281
2130720294	09/08/78	77	11	18227	D	31.77	159.52	90	EEEE	NO		CCCL	LLLL	69.15 N	144.48 W	290077	697
2132320190	09/30/78	75	11	18450	D	26.28	161.86	90	FE2E	NO		CCCL	LLLL	69.16 N	141.62 W	290078	389
2132220131	09/30/78	74	11	18436	D	26.62	161.75	70	FF2F	NO		CCCL	LLLL	69.17 N	140.19 W	290078	487
2130920411	09/08/78	79	11	18255	D	31.09	159.86	50	EEFE	NO		CCCL	LLLL	69.17 N	147.36 W	290077	631
2131120525	09/17/78	81	11	18283	D	30.42	160.14	60	EEFE	NO		CCCL	LLLL	69.17 N	150.23 W	290077	772
2130021323	09/17/78	88	11	18130	D	33.91	158.69	10	EEEE	NO		CCCL	LLLL	69.17 N	160.26 W	290077	255
2130820353	09/08/78	78	11	18241	D	31.41	159.72	80	EEFE	NO		CCCL	LLLL	69.18 N	145.93 W	290078	44
2131421101	09/17/78	84	11	18325	D	29.40	160.59	70	EEFE	NO		CCCL	LLLL	69.18 N	154.55 W	290077	782
2131621214	09/09/78	86	11	18353	D	28.70	160.91	20	EEEE	NO		CCCL	LLLL	69.19 N	157.42 W	290077	749
2130520180	09/08/78	75	11	18199	D	32.36	159.38	10	EEEE	NO		CCCL	LLLL	69.20 N	141.64 W	290077	689
2130720292	09/08/78	77	10	18227	D	30.78	161.95	NA	MMMM	NO		CCCL	LLLL	70.43 N	142.45 W	0	0
2129921261	09/08/78	87	10	18116	D	33.26	161.04	60	EEEE	NO		CCCL	LLLL	70.43 N	156.80 W	290077	198
2130920405	09/08/78	79	10	18255	D	30.09	162.29	60	EEEE	NO		CCCL	LLLL	70.46 N	145.34 W	290077	630
2131120522	09/17/78	81	10	18283	D	29.43	162.54	90	EEFE	NO		CCCL	LLLL	70.46 N	148.21 W	290077	771
2130021320	09/17/78	88	10	18130	D	32.93	161.22	30	EEEE	NO		CCCL	LLLL	70.46 N	158.25 W	290077	254
2130820350	09/08/78	78	10	18241	D	30.42	162.17	80	EEFE	NO		CCCL	LLLL	70.47 N	143.92 W	290078	43
2131421095	09/17/78	84	10	18325	D	28.39	162.98	80	EEFE	NO		CCCL	LLLL	70.47 N	152.52 W	290077	781
2131621212	09/09/78	86	10	18353	D	27.69	163.26	10	EEEE	NO		CCCL	LLLL	70.48 N	155.39 W	290077	748
2131908135	09/17/78	196	61	18387	D	47.09	076.59	20	EEEE	NO		CCCL	LLLL	01.43 S	014.47 E	290078	134
2131808080	09/17/78	195	61	18373	D	46.93	076.08	30	EEFE	NO		CCCL	LLLL	01.43 S	015.91 E	290078	111
2115801185	09/30/78	125	62	16138	D	43.91	084.98	90	EEEE	NO		CCCL	HHLL	02.86 S	115.92 E	290077	24
2131908141	09/17/78	196	62	18387	D	46.51	075.17	70	EEEE	NO		CCCL	LLLL	02.87 S	014.14 E	290078	135
2131808082	09/17/78	195	62	16373	D	46.34	074.68	50	EEFE	NO		CCCL	LLLL	02.87 S	015.58 E	290078	112
2115801191	09/30/78	125	63	16138	D	43.54	083.64	100	FFEE	NO		CCCL	HHLL	04.30 S	115.58 E	290077	25
2131908144	09/17/78	196	63	18387	D	45.90	073.80	90	FFFF	NO		CCCL	LLLL	04.31 S	013.80 E	290078	136
2131808085	09/17/78	195	63	18373	D	45.72	073.33	80	EEFE	NO		CCCL	LLLL	04.32 S	015.25 E	290078	113
2115801194	09/30/78	125	64	16138	D	43.13	082.34	100	EEEE	NO		CCCL	HHLL	05.74 S	115.23 E	290077	26
2131908150	09/17/78	196	64	18387	D	45.27	072.48	100	EEFF	NO		CCCL	LLLL	05.75 S	013.46 E	290078	137
2130802013	09/03/78	131	64	18230	D	43.16	067.68	30	EEEE	NO		CCCL	LLLL	05.75 S	106.69 E	290077	483
2131808091	09/17/78	195	64	18373	D	45.07	072.02	70	EEFE	NO		CCCL	LLLL	05.76 S	014.90 E	290078	114

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OBSERVATION ID	ENTRY DATE	PATH	ROW	ORBIT #	DAY/NITE /SPCL	SUN ELEV	SUN AZIM	% CLD COVER	QUALITY 4567	CCM QLTY	MODE 4567	GAIN 4567	PICTURE CNTR LAT	PICTURE CNTR LONG	MICROFILM ROLL	MIC FLN FRAME
2132607235	09/30/78	187	64	18512	D	46.96	076.82	10	FE2E	NO	CCCL	LLLL	05.76 S	026.37 E	290078	522
2129002004	09/02/78	131	64	17979	D	40.26	061.40	NA	MMMM	NO	CCCL	LLLL	05.76 S	106.70 E	0	0
2128901545	09/02/78	130	64	17965	D	40.12	061.10	80	EEEE	NO	CCCL	LLLL	05.76 S	108.14 E	290077	173
2115801200	09/30/78	125	65	16138	D	42.69	081.07	90	EEEE	NO	CCCL	HHLL	07.18 S	114.89 E	290077	27
2131908153	09/17/78	196	65	18387	D	44.60	071.72	NA	MMMM	NO	CCCL	LLLL	07.20 S	013.12 E	0	0
2132807241	09/30/78	187	65	18512	D	46.39	075.42	10	FE2E	NO	CCCL	LLLL	07.20 S	026.04 E	290078	523
2129002010	09/02/78	131	65	17979	D	39.35	060.47	NA	MMMM	NO	CCCL	LLLL	07.20 S	106.36 E	0	0
2130802020	09/03/78	131	65	18230	D	42.39	066.56	30	EEEE	NO	CCCL	LLLL	07.20 S	106.36 E	290077	424
2128901552	09/02/78	130	65	17965	D	39.22	060.19	70	EEEE	NO	CCCL	LLLL	07.20 S	107.80 E	290077	174
2132401512	09/30/78	129	65	18453	D	45.55	073.40	90	FFFF	NO	CCCL	LLLL	07.20 S	109.25 E	290078	194
2130301330	09/02/78	126	65	18160	D	41.45	064.69	30	EEEE	NO	CCCL	LLLL	07.20 S	113.53 E	290077	304
2115801203	09/30/78	125	66	16138	D	42.22	079.84	90	EEEE	NO	CCCL	HHLL	08.62 S	114.55 E	290077	28
2130301333	09/02/78	126	66	18160	D	40.61	063.68	80	EEEE	NO	CCCL	LLLL	08.64 S	113.19 E	290077	305
2115801205	09/30/78	125	67	16138	D	41.72	078.65	90	EEEE	NO	CCCL	HHLL	10.06 S	114.20 E	290077	29
2132300065	09/30/78	110	76	18438	D	36.67	061.71	30	EE2E	NO	CCCL	LLLL	23.02 S	132.57 E	290078	168
2132200010	09/30/78	109	76	18424	D	36.39	061.41	10	FE2E	NO	CCCL	LLLL	23.02 S	134.00 E	290078	369
2130400001	09/17/78	109	76	18173	D	31.47	056.41	10	EEEE	NO	CCCL	LLLL	23.02 S	134.02 E	290077	269
2132206552	09/30/78	181	79	18428	D	33.68	059.50	0	EEEE	NO	CCCL	LLLL	27.32 S	029.60 E	290078	151
2131123042	09/24/78	99	79	18284	D	30.59	056.83	90	EEEE	NO	CCCL	LLLL	27.32 S	147.22 E	290078	257
2100712472	09/02/78	244	79	14039	D	45.46	079.18	80	FFFF	NO	CCCL	LLLL	27.35 S	060.64 W	290077	127
2132307013	09/30/78	182	80	18442	D	33.04	059.17	80	FFFF	NO	CCCL	LLLL	28.75 S	027.76 E	290078	179
2132206555	09/30/78	181	80	18428	D	32.72	058.91	0	EEEE	NO	CCCL	LLLL	28.75 S	029.19 E	290078	152
2130822473	09/02/78	96	80	18242	D	28.73	055.67	30	EEEE	NO	CCCL	LLLL	28.75 S	151.10 E	290077	396
2100712474	09/02/78	244	80	14039	D	44.92	077.95	90	FFFF	NO	CCCL	LLLL	28.78 S	061.04 W	290077	128
2106312572	09/02/78	246	81	14820	D	45.65	093.61	NA	F2EE	NO	CCCL	LLLL	30.17 S	064.45 W	290077	129
2132307020	09/30/78	182	81	18442	D	32.06	058.62	80	FFFF	NO	CCCL	LLLL	30.18 S	027.34 E	290078	180
2132206561	09/30/78	181	81	18428	D	31.75	058.38	10	EEEE	NO	CCCL	LLLL	30.18 S	028.78 E	290078	153
2100712481	09/02/78	244	81	14039	D	44.35	076.77	80	2222	NO	CCCL	LLLL	30.21 S	061.45 W	0	0
2106312574	09/02/78	246	82	14820	D	45.46	092.29	NA	F2EE	NO	CCCL	LLLL	31.60 S	064.87 W	290077	130
2132300092	09/30/78	110	82	18438	D	30.99	058.06	20	EFEE	NO	CCCL	LLLL	31.61 S	130.19 E	290078	169
2100712483	09/02/78	244	82	14039	D	43.76	075.65	NA	MMMM	NO	CCCL	LLLL	31.65 S	061.85 W	0	0
2131323174	09/17/78	101	83	18312	D	27.12	055.62	NA	MMMM	NO	CCCL	LLLL	33.03 S	142.67 E	0	0
2106312581	09/02/78	246	83	14820	D	45.23	091.02	NA	F2F2	NO	CCCL	LLLL	33.03 S	065.30 W	290077	131
2100712490	09/02/78	244	83	14039	D	43.13	074.57	NA	MMMM	NO	CCCL	LLLL	33.08 S	062.27 W	0	0
2106312583	09/02/78	246	84	14820	D	44.97	089.77	NA	F2FE	NO	CCCL	LLLL	34.46 S	065.73 W	290077	132
2100712492	09/02/78	244	84	14039	D	42.48	073.54	NA	MMMM	NO	CCCL	LLLL	34.51 S	062.71 W	0	0
2106312590	09/02/78	246	85	14820	D	44.67	088.56	NA	F222	NO	CCCL	LLLL	35.89 S	066.18 W	290077	133
2100712495	09/02/78	244	85	14039	D	41.80	072.58	NA	MMMM	NO	CCCL	LLLL	35.94 S	063.15 W	0	0
2100712501	09/02/78	244	86	14039	D	41.09	071.86	NA	MMMM	NO	CCCL	LLLL	37.36 S	063.61 W	0	0
2100712504	09/02/78	244	87	14039	D	40.36	070.80	NA	MMMM	NO	CCCL	LLLL	38.79 S	064.06 W	0	0

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2100712510	09/02/78	244	88	14039	D	39.61	070.00	NA	MMMM	NO	CCCL	LLLL	40.21 S	064.57 W	0	0