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S O L A R - G E O P H Y S I C A L D A T A

NUMBER 485

(Issued in Two Parts)

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*Solar radio noise bursts observed at Athens, Learmonth, Manila, Palohua and Sagamore Hill during Aug 1979 through Oct 1980 appear in SOLAR-GEOPHYSICAL DATA, No. 461, Part II, pages 103-235.

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CARTE SYNOPTIQUE

ACTIVE REGIONS CARRINGTON ROTATION 1750

(20 June to 17 July 1984)

Region No.	Coordinates Lat. Long.	Imp	Age at CMP (Days)	Spotless Region	Region No. in Rotation 1749	Activity at West Limb
1	13°S 357	1	6	x	1	dispersed
2	2°N 355	1	6	x	3	decreasing
3	7°S 348	3	6			decreasing
4	16°N 347	2	+6			decreasing
5	24°S 343	1	6	x		dispersed
6	16°S 316	4	+2			decreasing
7	3°N 308	2	-5			decreasing
8	13°S 301	1	-2	x		decreasing
9	9°N 292	1	-5	x		disappeared
10	17°S 271	1	+3	x		disappeared
11	13°S 270	1	+3	x		disappeared
12	13°S 255	3	6		14	decreasing
13	18°S 255	1	6	x		dispersed
14	4°S 235	1	-3	x		dispersed
15	11°N 236	1	6	x		dispersed
16	5°N 204	3	6			decreasing
17	4°N 178	1	6		18	decreasing
18	13°N 165	3	6			decreasing
19	9°N 162	1	6	x	21	decreasing
20	1°S 158	1	6	x		dispersed
21	15°N 152	1	6	x	22	dispersed
22	23°S 127	1	6	x		disappeared
23	9°N 124	2	+4			decreasing
24	5°S 112	2	6			decreasing
25	8°S 108	2	6			decreasing
26	2°N 107	2	6			decreasing
27	12°S 103	2	6	x	25	decreasing
28	13°S 96	1	6	x	25	dispersed
29	10°S 63	3	+5			decreasing
30	10°N 42	2	-3			stable
31	15°S 33	1	6	x		decreasing
32	9°S 32	1	6	x	32	dispersed
33	10°S 17	1	6	x	33	dispersed
34	14°N 17	1	+1	x		disappeared
35	0 5	1	6	x	2	dispersed
36	16°S 3	2	6			decreasing
37	7°S 3	1	6	x		dispersed

CARTE SYNOPTIQUE

ACTIVE REGIONS CARRINGTON ROTATION 1751

(17 July to 13 August 1984)

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Region No.	Coordinates Lat. Long.	Imp	Age at CMP (Days)	Spotless Region	Region No. In Rotation 1750	Activity at West Limb
1	4°S 348	1	>6	x	2	
2	12°S 340	1	>6	x		decreasing
3	12°S 328	1	>6	x		dispersed
4	8°S 316	2	+1			decreasing
5	17°S 311	1	>6	x	6	decreasing
6	7°S 306	1	-2	x		stable
7	6°N 287	1	-2	x		dispersed
8	21°N 275	1	-3	x		dispersed
9	21°S 217	2	>6			disappeared
10	17°S 215	2	>6			decreasing
11	3°N 207	1	>6	x	16	dispersed
12	4°N 182	1	>6	x	17	dispersed
13	18°N 170	1	>6	x	18	decreasing
14	7°N 165	1	>6	x	19	decreasing
15	16°N 157	1	>6	x	18	decreasing
16	6°N 145	1	+1	x		disappeared
17	5°S 123	1	>6	x		disappeared
18	10°N 120	1	-2	x		decreasing
19	17°S 115	2	>6			dispersed
20	6°N 112	1	>6	x		disappeared
21	8°S 70	1	>6	x	29	decreasing
22	2°N 55	1	+4	x		disappeared
23	11°N 51	1	>6	x	30	decreasing
24	7°N 50	3	>6			decreasing
25	4°N 22	2	-4			stable
26	2°N 7	2	>6			decreasing

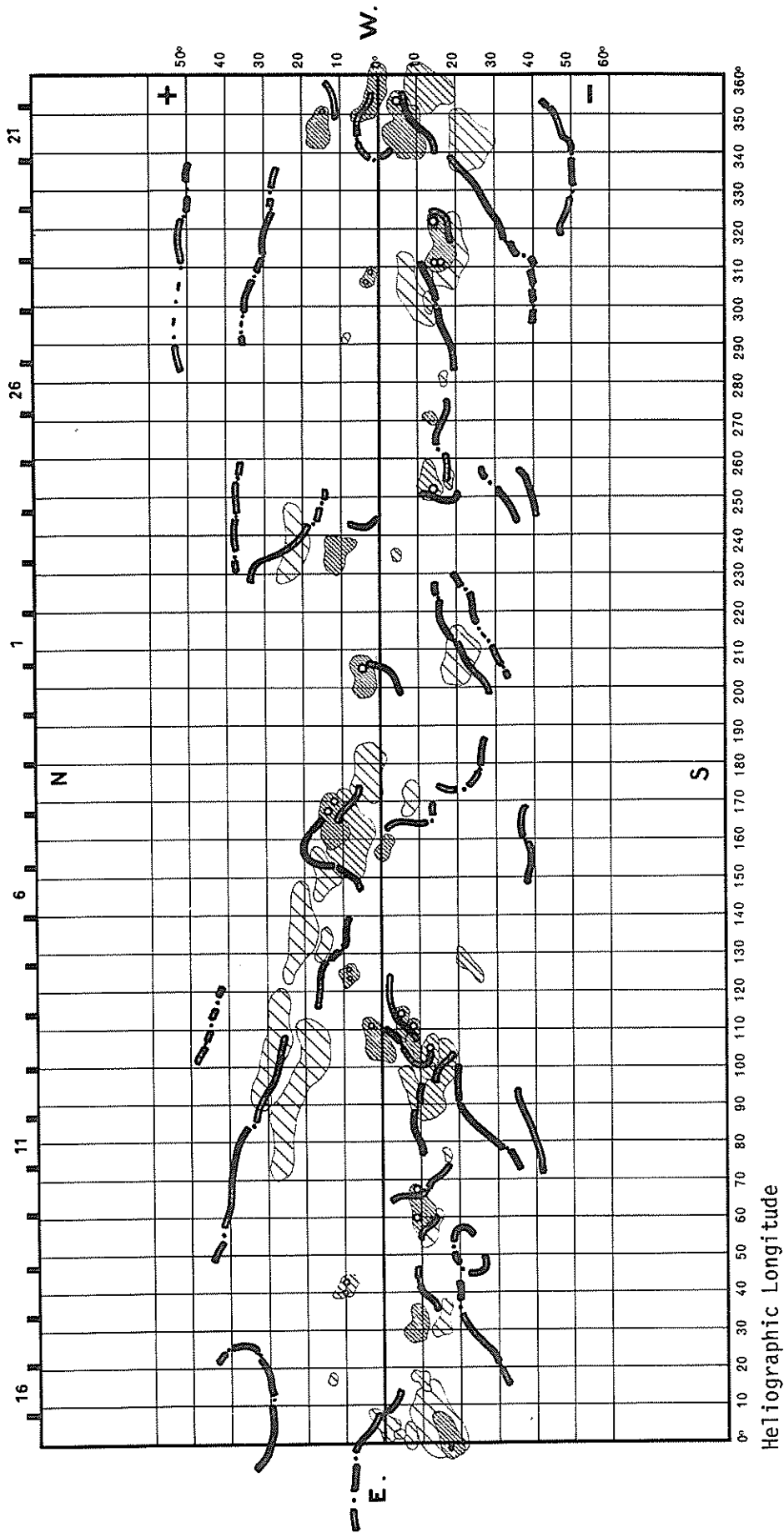
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CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1750
(June 20 to July 17, 1984)

Meudon Observatory

June 1984

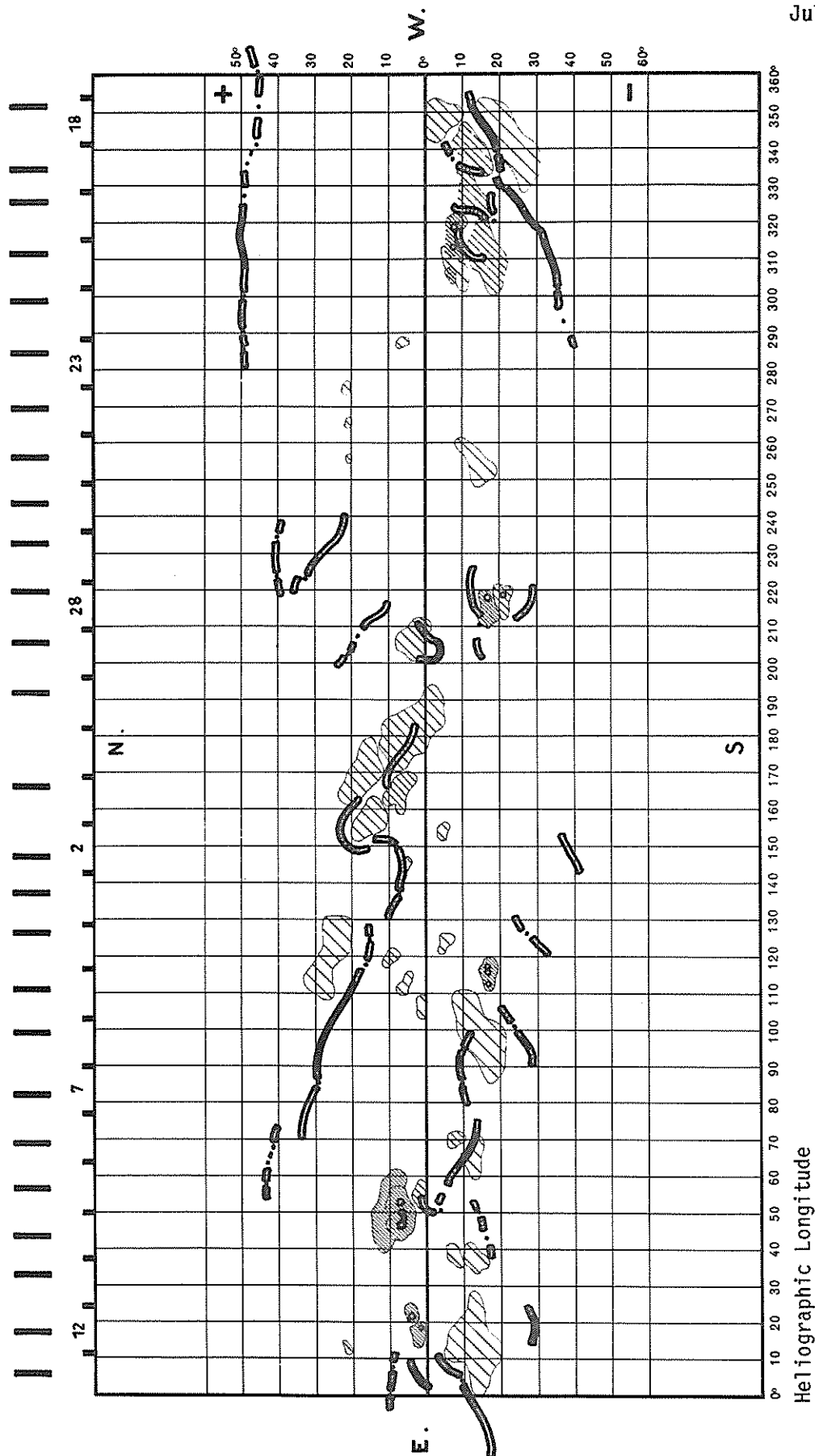


CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1751
(July 17 to August 13, 1984)

Meudon Observatory

July 1984



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Jul 84

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JULY 1984

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
01	208	VORO	44 NS	2100.0E		360.0D		9.0		
02	260	ONDR	43 NS	0545.0		300.0D	67.0			
	208	VORO	22 GRF	0115.0	0202.0	105.0D	100.0			
	2800	OTTA	22 GRF	1800.0	1905.0	100.0	2.2	.9		
	245	PALE	8 S	2152.0	2152.6	1.0	37.0			QL=6 ST=2 TYP=3
03	245	LEAR	43 NS	0408.8	0433.6	281.0	10.0			QL=1 ST=2 TYP=1
	6100	KISV	1 S	0737.3	0737.6	1.0	5.0			
	410	LEAR	8 S	0742.8	0743.1	.5	5.0			QL=5 ST=2 TYP=3
	245	LEAR	8 S	0742.8E	0743.1	.5D	13.0			QL=5 ST=2 TYP=3
	410	LEAR	8 S	0807.3	0807.3	.3	26.0			QL=5 ST=2 TYP=3
	245	LEAR	8 S	0807.3	0807.3	.3	4.0			QL=5 ST=2 TYP=3
	245	LEAR	47 GB	0851.0	0851.1	.6	53.0			QL=1 ST=2 TYP=5
	2695	SGMR	8 S	1901.6	1901.6	.2	23.0			QL=3 ST=3 TYP=3
	610	PALE	8 S	2133.8	2134.1	.8	18.0			QL=6 ST=2 TYP=3
	245	PALE	8 S	2133.8	2134.1	.8	46.0			QL=6 ST=2 TYP=3
	410	PALE	8 S	2134.1	2134.1	.2	24.0			QL=6 ST=2 TYP=3
04	260	ONDR	44 NS	0540.0E		511.0D	27.0			
	245	SGMR	43 NS	1301.0	1304.8	119.0	31.0			QL=6 ST=2 TYP=1
	410	LEAR	8 S	0057.1	0057.3	.2	2.0			QL=1 ST=2 TYP=3
	245	LEAR	8 S	0057.1	0057.3	.2	40.0			QL=1 ST=2 TYP=3
	9400	TYKW	5 S	0123.0	0123.3	1.5	3.0	1.0		
	245	LEAR	8 S	0150.5	0150.8	.5	11.0			QL=1 ST=2 TYP=3
	9400	TYKW	5 S	0202.0	0204.0	12.0	3.0	1.0		
	9400	TYKW	5 S	0225.0	0228.0	15.0	3.0	1.0		
	1000	TYKW	45 C	0241.0	0242.6	13.0	188.0	22.0		
	1000	TYKW		0241.0	0248.8		31.0			
	2000	TYKW	45 C	0241.0	0248.8	14.0	85.0	25.0		
	500	HIRA	46 C	0241.4	0244.6	11.0	128.0	40.0		WR
	500	HIRA		0241.4	0248.4		123.0			MR
	3750	TYKW	45 C	0241.5	0248.8	13.5	112.0	30.0		
	9400	TYKW	5 S	0242.0	0249.0	12.0	44.0	19.0		
	1415	PALE	47 GB	0242.0	0243.6	9.5	69.0			QL=6 ST=2 TYP=5
	610	LEAR	47 GB	0242.1	0244.3	11.2	239.0			QL=5 ST=3 TYP=5
	2695	PALE	47 GB	0242.5	0243.8	10.1	48.0			QL=6 ST=2 TYP=5
	1415	LEAR	47 GB	0242.6	0243.6	12.4	51.0			QL=5 ST=3 TYP=5
	200	HIRA	46 C	0242.7	0249.0	10.7	48.0	16.0		
	2950	GORK	45 C	0242.8E	0243.4U	8.6U	14.8			
	2695	LEAR	47 GB	0242.8	0244.3	11.8	35.0			QL=5 ST=3 TYP=5
	410	PALE	47 GB	0242.8	0244.8	7.5	98.0			QL=6 ST=2 TYP=5
	2950	GORK		0242.8E	0248.4		112.0			
	9395	PEKG	45 C	0243.0	0249.0	15.0	172.8	46.5		
	9100	GORK	3 S	0243.0	0244.8	5.0	30.0			
	610	PALE	47 GB	0243.1	0244.3	6.7	270.0			QL=6 ST=2 TYP=5
	410	LEAR	47 GB	0243.3	0244.6	7.8	93.0			QL=5 ST=3 TYP=5
	4995	LEAR	47 GB	0244.3	0245.6	14.5	15.0			QL=5 ST=3 TYP=5
	4995	PALE	47 GB	0245.1	0245.6	7.2	11.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	0245.1	0245.6	6.7	36.0			QL=6 ST=2 TYP=5
	245	LEAR	47 GB	0245.1	0245.6	8.0	28.0			QL=5 ST=3 TYP=5
	8800	LEAR	4 S/F	0245.3	0245.3	16.7	11.0			QL=3 ST=3 TYP=3
	15400	LEAR	4 S/F	0245.5	0245.6	17.8	15.0			QL=3 ST=3 TYP=3
	15400	PALE	4 S/F	0247.1	0249.5	9.0	48.0			QL=6 ST=2 TYP=3
	8800	PALE	47 GB	0247.1	0250.1	9.0	66.0			QL=6 ST=2 TYP=5
	1000	TYKW	29 PBI	0254.0		15.0	1.0	.5		
	9400	TYKW	29 PBI	0254.0		110.0	16.0	7.0		
	3750	TYKW	29 PBI	0255.0		160.0	8.0	3.5		
	2000	TYKW	29 PBI	0255.0		170.0	3.0	1.5		
	245	LEAR	8 S	0552.5	0552.6	.1	18.0			QL=3 ST=2 TYP=3
	1000	TYKW	8 S	0559.0	0559.1	.3	38.0	5.0		
	3750	TYKW	32 ABS	2128.0	2144.0	70.0	-3.0	-1.5		
	2000	TYKW	20 GRF	2320.0	0003.0	90.0	2.0	1.0		
	3750	TYKW	20 GRF	2330.0	0005.0	100.0	2.0	1.0		
	100	HIRA	46 C	2351.3	2353.3	2.1	600.0	175.0		WL
05	245	SGMR	43 NS	1310.0	1332.6	50.0	55.0			QL=6 ST=2 TYP=1
	1000	TYKW	45 C	0210.4	0210.8	.8	68.0	13.0		
	204	IZMI	41 F	0411.4	0413.5	2.5	18.0			
	29	UPIC	1 S	1123.4	1123.6	.4				
	33	UPIC	3 S	1123.6	1123.9	.7				

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
05	2800	OTTA	21 GRF	1505.0	1520.0	235.0	4.8	2.2		
	4995	SGMR	4 S/F	1506.1	1507.8	4.0	10.0			QL=6 ST=2 TYP=3
	4995	ATHN	4 S/F	1506.3	1507.1	2.3	13.0			QL=6 ST=2 TYP=3
	2695	ATHN	4 S/F	1506.5	1507.1	2.6	19.0			QL=6 ST=2 TYP=3
	2800	OTTA	2 S/F	1506.5	1507.2	3.5	9.8	3.6		
	610	SGMR	47 GB	1506.8	1507.5	2.5	54.0			QL=6 ST=2 TYP=5
	8800	SGMR	4 S/F	1506.8	1507.6	3.3	8.0			QL=6 ST=2 TYP=3
	2695	SGMR	4 S/F	1507.1	1507.3	3.7	16.0			QL=6 ST=2 TYP=3
	1415	SGMR	4 S/F	1507.1	1507.8	2.9	10.0			QL=6 ST=2 TYP=3
	2695	ATHN	8 S	1537.1	1537.3	.5	38.0			QL=6 ST=2 TYP=3
	8800	SGMR	47 GB	1923.3	1925.5	5.3	66.0			QL=6 ST=3 TYP=5
	2800	OTTA	20 GRF	1930.0	2030.0	170.0	1.8	1.2		
	3750	TYKW	5 S	2059.0E	2059.0U	25.00	4.0	1.50		
	3750	TYKW	20 GRF	2130.0	2255.0	240.0	3.0	1.5		
	8800	SGMR	4 S/F	2235.1	2236.6	5.0	43.0			QL=6 ST=2 TYP=3
06	204	IZMI	43 NS	1034.0		86.0	5.0			
	2950	GORK	20 GRF	0451.5	0457.0	38.5	2.1	1.0		
	2950	GORK	20 GRF	0800.0	0830.3	147.0	3.2			
	8800	SGMR	47 GB	1506.1	1507.8	3.9	54.0			QL=6 ST=2 TYP=5
	2800	OTTA	22 GRF	1900.0	1935.0	100.0	3.2	1.2		
	8800	SGMR	47 GB	2145.0	2146.1	2.3	54.0			QL=6 ST=2 TYP=5
	8800	SGMR	47 GB	2151.5	2154.6	4.3	72.0			QL=6 ST=2 TYP=5
07	245	LEAR	8 S	2344.3	2344.5	.3	45.0			QL=5 ST=2 TYP=3
	260	ONDR	43 NS	0810.0	0900.0	240.0	12.0			
	204	IZMI	4 S/F	0432.4	0432.5	.8	68.0	34.0		
	33	UPIC	2 S/F	0640.2	0640.3	.3				
	33	UPIC	2 S/F	0640.5	0640.7	.5				
	808	ONDR	8 S	0822.0	0822.0	.3	98.0			
	536	ONDR	40 F	1243.5	1244.0	6.0	7.0			
	2800	OTTA	20 GRF	1325.0	1350.0	80.0	1.6	.8		
	536	ONDR	8 S	1332.5	1332.6	1.0	32.0			
	2800	OTTA	20 GRF	1450.0	1520.0	70.0	1.6	.8		
	100	HIRA	46 C	2141.7	2142.7	2.0	3000.0	240.0		WR
	200	HIRA	8 S	2142.6	2142.7	.4	230.0			WR
	200	HIRA	46 C	2156.5	2156.6	2.1	280.0	35.0		WR
	100	HIRA	46 C	2156.5	2156.7	2.0	1400.0	700.0		WL
	245	PALE	47 GB	2156.5	2156.8	.8	40.0			QL=6 ST=2 TYP=5
	2000	TYKW	5 S	2248.0	2248.6	2.0	1.5	0.5		
	2000	TYKW	5 S	2302.0	2305.0	25.0	1.5	0.5		
08	2000	TYKW	20 GRF	2353.0	0010.0	100.0	2.0	1.0		
	3750	TYKW	20 GRF	2355.0	0010.0	90.0	2.0	1.0		
	2695	PENT	20 GRF	2355.0	0015.0	120.00	2.8			
	410	LEAR	8 S	0537.1	0537.3	.9	31.0			QL=6 ST=2 TYP=3
	100	HIRA	46 C	0537.3	0537.3	.7	1500.0	85.0		0
	200	HIRA	45 C	0537.3	0537.4	.7	475.0	96.0		WR
	500	HIRA	8 S	0537.3	0537.4	.4	24.0			WR
	245	LEAR	49 GB	0537.3	0537.6	.7	940.0			QL=6 ST=2 TYP=6
	610	LEAR	8 S	0537.3	0537.6	.5	7.0			QL=6 ST=2 TYP=3
	204	IZMI	4 S/F	0537.4	0537.8	1.0	460.0	170.0		
	33	UPIC	45 C	0538.0	0538.2	2.4				
	100	HIRA	42 SER	0658.9	0701.0	5.5	3600.0			WL
	200	HIRA	42 SER	0659.4	0700.5	5.6	320.0			MR
	410	LEAR	4 S/F	0659.5	0704.1	5.1	13.0			QL=6 ST=2 TYP=3
	2000	TYKW	45 C	0700.0	0701.2	2.5	9.0	2.0		
	1000	TYKW	45 C	0700.0	0701.5	2.5	33.0	7.0		
	204	IZMI	41 F	0700.0	0700.6	4.6	300.0			
	245	LEAR	47 GB	0700.0	0700.8	4.3	46.0			QL=6 ST=2 TYP=5
	33	UPIC	46 C	0700.0	0701.4	4.6				
	260	ONDR	40 F	0700.0	0709.0	29.0	29.0			
	500	HIRA	6 S	0700.1	0701.1	2.0	11.0	5.0		WR
	6100	KISV	45 C	0700.3	0701.4	4.0	3.0			
	6100	KISV		0700.3	0704.0		3.0			
	1415	ATHN	4 S/F	0700.5	0704.1	3.8	31.0			QL=6 ST=2 TYP=3
	1415	LEAR	8 S	0700.6	0701.0	.5	21.0			QL=6 ST=2 TYP=3
	650	GORK	4 S/F	0700.7U	0701.1	1.6U	14.0			
	3750	TYKW	5 S	0701.0	0701.5	3.0	5.0	2.0		RAIN
	950	GORK	4 S/F	0701.0U	0701.4	.8U	26.0			
	2695	LEAR	4 S/F	0701.1	0702.3	2.4	9.0			QL=6 ST=2 TYP=3

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
08	610	LEAR	8 S	0701.3	0701.3	.3	15.0			QL=6 ST=2 TYP=3
	2950	GORK	4 S/F	0701.8U	0702.1	2.6U	1.8			
	1000	TYKW	30 PBI	0702.5		10.0	1.0	.5		
	2000	TYKW	30 PBI	0702.5		20.0	1.0	.5		
	2000	TYKW	45 C	0703.0	0703.9	2.0	5.0	1.0		
	1000	TYKW	45 C	0703.0	0704.1	1.4	31.0	3.0		
	950	GORK	45 C	0703.1	0703.2	1.2	8.0			
	950	GORK		0703.1	0703.7		8.0			
	950	GORK		0703.1	0704.1		21.0			
	650	GORK	4 S/F	0703.4	0703.9	.7	13.0			
	3750	TYKW	29 PBI	0704.0		20.0	1.0	.5		
	260	ONDR	40 F	0916.0	0916.0	35.0	3.0			
	536	ONDR	8 S	0936.5	0936.5	.3	7.0			
	260	ONDR	40 F	1029.0	1037.0	9.0	9.0			
	204	IZMI	41 F	1029.3	1029.5	11.8	130.0			
	33	UPIC	42 SER	1029.4	1029.9	65.4				
	29	UPIC	42 SER	1029.4	1030.0	65.4				
	260	ONDR	40 F	1219.5	1224.5	7.5	54.0			
	610	SGMR	8 S	1842.8	1843.1	.7	22.0			QL=6 ST=2 TYP=3
	245	SGMR	8 S	1843.0	1843.1	.5	6.0			QL=6 ST=2 TYP=3
	410	SGMR	8 S	1843.0	1843.1	.3	23.0			QL=6 ST=2 TYP=3
09	260	ONDR	44 NS	0536.0E		511.0D	8.0			
	208	VORO	44 NS	2100.0E		360.0D		1.0		
	200	HIRA	43 NS	2256.0	2357.0	78.0	10.0	6.0		WR
	245	LEAR	43 NS	2322.0	0634.1	614.0D	30.0			QL=6 ST=2 TYP=1
	410	SGMR	43 NS	2332.8	2333.5	25.2D	82.0			QL=4 ST=3 TYP=1
	245	SGMR	43 NS	2332.8	2334.3	25.2D	16.0			QL=4 ST=3 TYP=1
	610	SGMR	43 NS	2333.3	2333.5	24.7D	82.0			QL=4 ST=3 TYP=1
	3750	TYKW	20 GRF	0425.0	0450.0	75.0	1.0	.5		
	29	UPIC	2 S/F	1026.2	1026.3	.6				
	33	UPIC	2 S/F	1026.2	1026.4	.8				
	8800	SGMR	47 GB	1234.3	1235.8	8.7	52.0			QL=1 ST=2 TYP=5
	33	UPIC	2 S/F	1505.5	1505.8	.5				
	29	UPIC	2 S/F	1505.6	1506.0	.5				
	2800	OTTA	20 GRF	1550.0	1600.0	20.0	1.6	1.0		
	2695	PENT	20 GRF	2240.0	2330.0	195.0D	4.8			
	3750	TYKW	21 GRF	2240.0	2332.0	150.0	4.0	2.0		
	2000	TYKW	21 GRF	2240.0	2335.0	150.0	3.0	1.5		
	9400	TYKW	20 GRF	2300.0	2320.0	90.0	3.0	1.5		
	1000	TYKW	21 GRF	2300.0	2340.0	100.0	1.0	.5		
	1000	TYKW	5 S	2304.0	2304.8	2.0	1.5	0.5		
	1000	TYKW	5 S	2307.0	2307.1	1.0	1.0	.3		
	1000	TYKW	45 C	2314.0	2321.6	14.0	7.0	1.5		
	2000	TYKW	45 C	2320.0	2322.6	5.0	1.5	.5		
	3750	TYKW	45 C	2320.2	2320.5	.8	14.0	2.0		
	500	HIRA	42 SER	2320.4	2333.6	49.0	135.0			SR
	410	PALE	8 S	2322.6	2322.6	.2	11.0			QL=6 ST=2 TYP=3
	610	PALE	8 S	2322.6	2324.5	2.0	21.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	2329.3	2329.3	.3	20.0			QL=3 ST=2 TYP=3
	1000	TYKW	45 C	2329.3	2329.7	1.0	3.0	.7		
	410	LEAR	47 GB	2331.8	2333.5	2.8	100.0			QL=5 ST=2 TYP=5
	410	PALE	47 GB	2332.1	2333.6	2.7	110.0			QL=6 ST=2 TYP=5
	1000	TYKW	45 C	2332.5	2334.3	2.5	4.0	1.0		
	610	PALE	47 GB	2332.8	2333.5	1.3	150.0			QL=6 ST=2 TYP=5
	410	SGMR	47 GB	2332.8	2333.5	1.2	82.0			QL=4 ST=3 TYP=5
	245	SGMR	8 S	2332.8	2334.3	1.8	16.0			QL=4 ST=3 TYP=3
	610	LEAR	47 GB	2333.1	2333.5	1.0	119.0			QL=5 ST=2 TYP=5
	610	SGMR	47 GB	2333.3	2333.5	.8	82.0			QL=4 ST=3 TYP=5
	245	PALE	8 S	2333.5	2334.3	1.0	37.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	2334.3	2334.3	.3	31.0			QL=5 ST=2 TYP=3
	410	PALE	8 S	2337.3	2337.5	.3	25.0			QL=6 ST=2 TYP=3
	1000	TYKW	45 C	2343.5	2355.6	27.0	21.0	1.5		
	410	PALE	8 S	2345.1	2346.3	1.5	41.0			QL=6 ST=2 TYP=3
	245	LEAR	4 S/F	2345.1	2347.0	2.2	35.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	2345.5	2346.1	1.0	36.0			QL=6 ST=2 TYP=3
	245	PALE	8 S	2345.6	2347.1	1.7	42.0			QL=6 ST=2 TYP=3
	610	LEAR	8 S	2346.1	2346.1	.2	36.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	2353.1	2353.3	.5	22.0			QL=6 ST=2 TYP=3
	245	LEAR	47 GB	2353.1	2353.8	1.4	60.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	2353.1	2353.8	1.4	65.0			QL=6 ST=2 TYP=5

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22	Mean W/m 2 Hz)		
09	410	PALE	8 S	2353.3	2353.8	.7	23.0			QL=6 ST=2 TYP=3
	610	LEAR	8 S	2353.6	2353.8	.5	32.0			QL=6 ST=2 TYP=3
	610	PALE	8 S	2353.8	2353.8	.3	28.0			QL=6 ST=2 TYP=3
10	260	ONDR	44 NS	0554.0E		506.00	11.0			
	245	LEAR	43 NS	2322.0	0159.3	615.00	22.0			QL=6 ST=2 TYP=1
	245	LEAR	47 GB	0004.5	0005.1	4.3	59.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	0004.6	0005.3	1.0	78.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	0007.3	0007.8	1.5	83.0			QL=6 ST=2 TYP=5
	410	LEAR	8 S	0008.3	0008.8	.8	22.0			QL=6 ST=2 TYP=3
	410	PALE	8 S	0008.3	0008.8	1.0	31.0			QL=6 ST=2 TYP=3
	610	PALE	47 GB	0008.8	0009.3	.5	52.0			QL=6 ST=2 TYP=5
	610	PALE	4 S/F	0036.0	0037.1	2.1	41.0			QL=6 ST=2 TYP=3
	245	PALE	4 S/F	0053.0	0055.1	2.6	36.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0054.6	0055.3	.9	27.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0201.3	0201.6	.5	15.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0242.1	0242.3	1.2	11.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0311.0	0311.1	.3	15.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0329.3	0330.1	1.5	13.0			QL=6 ST=2 TYP=3
	2000	TYKW	20 GRF	0630.0	0650.0	75.0	4.0	2.0		
	1000	TYKW	20 GRF	0630.0	0650.0	75.0	2.0	1.0		
	3750	TYKW	20 GRF	0630.0	0650.0	80.0	4.0	2.0		
	808	ONDR	46 C	0637.0		15.0		140.0		
	808	ONDR		0637.0	0640.5		179.0			
	808	ONDR		0637.0	0646.5		237.0			
	536	ONDR	40 F	0808.0	0809.5	2.5	41.0			
	3100	CRIM	1 S	0820.6	0822.0	4.0	7.0	3.0		
	2000	TYKW	5 S	0821.0	0821.8	3.0	5.0	1.0		
	3750	TYKW	5 S	0821.0	0821.9	3.0	6.0	2.0		
	2950	GORK	1 S	0821.3	0822.0	1.9	7.6	3.5		
	245	SGMR	8 S	1910.8	1911.0	.5	41.0			QL=6 ST=2 TYP=3
	410	SGMR	47 GB	2059.8	2100.0	.5	71.0			QL=6 ST=2 TYP=5
	2800	OTTA	20 GRF	2100.0	2105.0	25.0	1.8	.9		
11	260	ONDR	44 NS	0546.0E		504.00	18.0			
	245	SGMR	43 NS	0940.0	1132.0	425.0	26.0			QL=6 ST=2 TYP=1
	410	LEAR	8 S	0211.8	0211.8	1.0	13.0			QL=6 ST=2 TYP=3
	6100	KISV	45 C	0857.0	0857.8	6.5	6.0			
	6100	KISV		0857.0	0858.2		4.0			
	6100	KISV	2 S/F	0941.6	0942.2	1.0	4.0			
	33	UPIC	42 SER	1216.0	1227.5	19.6				
	29	UPIC	42 SER	1217.2	1227.5	18.6				
	2800	OTTA	27 RF	1240.0		200.0	2.0	1.5		
	2800	OTTA	24 R	1240.0	1305.0	25.0	2.0	1.0		
	2800	OTTA	24P R	1305.0		95.0	2.0			
	2800	OTTA	26 FAL	1440.0	1600.0	80.0	-2.0	-1.0		
	29	UPIC	42 SER	1446.1	1637.7	171.7				
	33	UPIC	42 SER	1446.2	1522.5	171.3				
12	260	ONDR	43 NS	0852.0		506.00	15.0			
	245	LEAR	8 S	0204.6	0204.6	.2	13.0			QL=6 ST=2 TYP=3
	33	UPIC	3 S	0738.1	0738.4	.7				
	33	UPIC	1 S	0738.8	0739.0	.3				
	610	LEAR	8 S	0833.8	0834.0	.3	8.0			QL=5 ST=2 TYP=3
	245	LEAR	8 S	0833.8	0834.0	.3	8.0			QL=5 ST=2 TYP=3
	410	LEAR	8 S	0833.8	0834.0	.3	3.0			QL=5 ST=3 TYP=3
	245	LEAR	8 S	0852.1	0852.1	.2	32.0			QL=5 ST=2 TYP=3
	33	UPIC	45 C	1007.7	1007.8	.8				
	29	UPIC	45 C	1008.0	1008.3	.8				
	245	SGMR	4 S/F	1757.8	1800.8	6.0	28.0			QL=6 ST=2 TYP=3
	410	SGMR	47 GB	1757.8	1800.8	6.0	52.0			QL=6 ST=2 TYP=5
	245	SGMR	47 GB	1931.8	1932.5	2.5	180.0			QL=6 ST=2 TYP=5
	245	SGMR	47 GB	2114.3	2114.6	.8	189.0			QL=6 ST=2 TYP=5
13	1000	TYKW	5 S	2121.3	2121.5	.7	3.0	1.0		
	260	ONDR	43 NS	0829.0		507.00	10.0			
	245	LEAR	43 NS	2330.1	0101.6	607.90	11.0			QL=1 ST=2 TYP=1
	410	LEAR	4 S/F	0013.1	0014.6	3.9	17.0			QL=6 ST=2 TYP=3
	3750	TYKW	5 S	0050.0	0054.0	10.0	1.0	.3		
	245	LEAR	8 S	0239.1	0239.1	.2	16.0			QL=1 ST=2 TYP=3
	245	LEAR	47 GB	0313.0	0313.0	.1	64.0			QL=1 ST=2 TYP=5

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22	Mean W/m 2 Hz)		
13	245	LEAR	8 S	0342.8	0342.8	.2	16.0			QL=1 ST=2 TYP=3
	3750	TYKW	32 ABS	0422.0	0431.0	40.0	-2.0	-1.0		
	204	IZMI	4 S/F	1054.6	1054.9	.6	95.0	47.0		
	33	UPIC	45 C	1054.7	1054.9	1.0				
	29	UPIC	45 C	1055.0	1055.3	1.1				
	33	UPIC	45 C	1239.0	1239.1	.7				
	29	UPIC	45 C	1239.1U	1239.4	.7U				
	245	SGMR	47 GB	1750.3	1750.5	1.8	66.0			QL=6 ST=2 TYP=5
	2695	SGMR	8 S	1750.8	1751.1	.3	11.0			QL=6 ST=3 TYP=3
	245	SGMR	47 GB	1754.3	1754.6	2.3	54.0			QL=6 ST=2 TYP=5
	245	SGMR	47 GB	1806.6	1807.3	1.0	52.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	1807.1	1807.1	.4	65.0			QL=6 ST=2 TYP=5
	245	SGMR	8 S	2126.1	2126.3	.7	39.0			QL=6 ST=2 TYP=3
	100	HIRA	46 C	2149.0	2153.3	10.4	380.0	60.0		MR
	200	HIRA		2149.3	2153.0		48.0			WR
	200	HIRA	46 C	2149.3	2155.7	11.0	130.0	24.0		WR
	208	VORO	40 F	2150.0	2156.0	8.0	58.0			
	245	PALE	47 GB	2150.3	2152.0	6.8	58.0			QL=6 ST=2 TYP=5
	245	SGMR	47 GB	2150.3	2153.5	6.8	63.0			QL=6 ST=2 TYP=5
	410	SGMR	8 S	2151.6	2151.8	.7	28.0			QL=6 ST=2 TYP=3
	3750	TYKW	20 GRF	2152.0	2201.0	50.0	2.0	1.0		
	410	LEAR	8 S	2353.1	2353.1	.2	16.0			QL=1 ST=2 TYP=3
	610	LEAR	8 S	2353.1	2353.1	.2	24.0			QL=1 ST=2 TYP=3
	245	LEAR	47 GB	2353.1	2353.1	.2	119.0			QL=1 ST=2 TYP=5
14	260	ONDR	44 NS	0647.0E	0926.5	435.0D	132.0			
	200	HIRA	46 C	0101.0	0103.1	4.0	29.0	8.0		WR
	500	HIRA	46 C	0532.6	0532.6	2.6	6.0	3.0		WR
	204	IZMI	7 C	0629.0	0635.0	7.3	210.0	80.0		
	100	HIRA	46 C	0629.8	0631.9	7.3	250.0	95.0		WR
	200	HIRA	46 C	0630.0	0635.3	7.6	210.0	37.0		WR
	245	LEAR	49 GB	0630.3	0635.3	5.5	510.0			QL=6 ST=2 TYP=6
	33	UPIC	46 C	0630.4	0635.4	7.7				
	29	UPIC	46 C	0630.4	0635.4U	7.9				
	410	LEAR	8 S	0632.6	0633.6	1.2	36.0			QL=6 ST=2 TYP=3
	204	IZMI	41 F	0819.5	0820.8	4.2	46.0			
	245	LEAR	4 S/F	0819.8	0820.8	2.7	11.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0821.1	0821.8	1.2	4.0			QL=6 ST=2 TYP=3
	200	HIRA	46 C	0914.8	0916.3	7.7	230.0	42.0		WR
	33	UPIC	46 C	0923.0	0926.0	6.8				
	204	IZMI	41 F	0923.0	0927.2	8.0	600.0			
	29	UPIC	46 C	0923.3	0926.3	6.5				
	245	LEAR	47 GB	0923.6	0924.1	6.2	110.0			QL=6 ST=2 TYP=5
	410	LEAR	8 S	0925.3	0925.5	.5	43.0			QL=6 ST=2 TYP=3
	536	ONDR	40 F	0926.0	0926.3	.3	9.0			
	2800	OTTA	20 GRF	1505.0	1605.0	195.0	4.2	2.0		
	15400	SGMR	8 S	1738.3	1738.5	.3	13.0			QL=6 ST=2 TYP=3
	245	SGMR	49 GB	1825.5	1825.6	.3	580.0			QL=1 ST=3 TYP=6
	15400	SGMR	47 GB	2258.3	2301.3	3.2	60.0			QL=6 ST=2 TYP=5
	610	SGMR	8 S	2300.5	2300.8	.3	19.0			QL=6 ST=2 TYP=3
	245	SGMR	47 GB	2333.1	2333.6	.9	73.0			QL=6 ST=2 TYP=5
	245	SGMR	47 GB	2336.0	2337.1	1.6	430.0			QL=6 ST=2 TYP=5
	245	SGMR	49 GB	2340.3	2342.5	2.5	960.0			QL=6 ST=2 TYP=6
	245	SGMR	49 GB	2344.8	2344.8	1.0	1100.0			QL=6 ST=2 TYP=6
	4995	LEAR	8 S	2358.3	2359.1	1.5	8.0			QL=5 ST=2 TYP=3
	2695	LEAR	8 S	2358.3	2359.1	1.3	4.0			QL=5 ST=2 TYP=3
	8800	LEAR	8 S	2358.3	2359.1	1.5	13.0			QL=5 ST=2 TYP=3
	15400	LEAR	8 S	2358.3	2359.1	1.5	33.0			QL=5 ST=2 TYP=3
15	245	LEAR	43 NS	0518.3	0725.8	259.7D	36.0			QL=6 ST=2 TYP=1
	204	IZMI	3 S	0417.9	0418.0	.2	13.0	6.0		
	245	LEAR	8 S	0430.1	0430.6	.9	11.0			QL=6 ST=2 TYP=3
	245	LEAR	47 GB	0511.6	0512.1	3.2	58.0			QL=6 ST=3 TYP=5
	204	IZMI	4 S/F	0512.0	0512.2	.6	160.0	80.0		
	410	LEAR	8 S	0512.1	0512.3	.4	3.0			QL=6 ST=2 TYP=3
	1000	TYKW	45 C	0539.0	0540.0	1.5	26.0	4.0		
16	3750	TYKW	5 S	0610.0	0610.3	1.0	1.0	.3		
	260	ONDR	44 NS	0604.0E		481.0D	7.0			
	245	LEAR	47 GB	0048.1	0049.3	1.4	53.0			QL=6 ST=2 TYP=5
	245	LEAR	4 S/F	0233.6	0234.8	2.5	10.0			QL=6 ST=2 TYP=3

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

13
Jul 84

JULY 1984

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
16	9400	TYKW	20 GRF	0725.0	0740.0	65.0	6.0	3.0		
	3100	CRIM	1 S	1026.8	1027.5	4.0	3.0	1.0		
	2695	SGMR	8 S	2326.1	2326.6	.7	34.0			QL=6 ST=2 TYP=3
	2695	SGMR	8 S	2328.8	2330.8	2.0	27.0			QL=1 ST=2 TYP=3
17	245	LEAR	43 NS	0134.0	0142.6	75.0	13.0			QL=1 ST=2 TYP=1
	260	ONDR	43 NS	1047.0		203.0D	7.0			
	2000	TYKW	45 C	0055.0	0057.3	23.0	22.0	6.0		
	2695	PENT	46F C	0055.0	0058.7	16.0	36.0	17.5		
	2840	PEKG	46 C	0055.0	0102.6	17.0	40.1	17.7		
	3750	TYKW	45 C	0055.0	0102.7	17.0	58.0	21.0		
	35000	NOBE	20 GRF	0055.9	0102.4	31.0	40.0			0
	1000	TYKW	45 C	0056.0	0058.3	21.0	18.0	3.0		
	9400	TYKW	45 C	0056.0	0102.6	15.0	75.0	25.0		
	17000	NOBE	20 GRF	0056.4	0102.4	30.0	39.0			R
	500	HIRA	45 C	0056.6	0059.1	13.0	110.0	20.0		WR
	1415	PALE	4 S/F	0056.8	0058.3	9.2	27.0			QL=6 ST=2 TYP=3
	2695	PALE	47 GB	0056.8	0058.6	9.2	41.0			QL=6 ST=2 TYP=5
	2695	LEAR	4 S/F	0056.8	0058.6	8.5	34.0			QL=6 ST=2 TYP=3
	4995	LEAR	47 GB	0056.8	0059.3	11.5	73.0			QL=6 ST=2 TYP=5
	4995	PALE	47 GB	0056.8	0059.3	9.2	65.0			QL=6 ST=2 TYP=5
	200	HIRA	41 F	0056.8	0100.0	13.0	110.0			0
	1415	LEAR	8 S	0057.0	0058.3	1.6	28.0			QL=6 ST=2 TYP=3
	100	HIRA	46 C	0057.0	0104.0	12.0	120.0	34.0		0
	8800	LEAR	47 GB	0057.1	0059.3	9.5	62.0			QL=6 ST=2 TYP=5
	8800	PALE	47 GB	0057.1	0059.3	8.9	53.0			QL=6 ST=2 TYP=5
	15400	LEAR	47 GB	0057.1	0100.3	17.2	45.0			QL=6 ST=2 TYP=5
	610	PALE	4 S/F	0058.0	0058.1	4.1	31.0			QL=6 ST=2 TYP=5
	410	LEAR	47 GB	0058.3	0059.3	4.0	380.0			QL=6 ST=2 TYP=5
	410	PALE	47 GB	0058.3	0059.3	4.7	410.0			QL=6 ST=2 TYP=5
	245	LEAR	47 GB	0058.3	0100.0	6.5	81.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	0058.3	0100.0	6.5	77.0			QL=6 ST=2 TYP=5
	610	LEAR	8 S	0059.1	0059.3	.5	18.0			QL=6 ST=2 TYP=3
	15400	PALE	49 GB	0059.1	0059.5	6.9	35.0			QL=6 ST=2 TYP=6
	9400	TYKW	30 PBI	0111.0	0111.0	85.0	6.0	3.0		
	2695	PENT	29 PBI	0111.0	0111.0	40.0D	3.4			
	500	HIRA	45 C	0111.4	0115.6	5.0	8.0	2.0		WR
	3750	TYKW	30 PBI	0112.0		105.0	4.0	2.0		
	9400	TYKW	5 S	0113.0	0117.0	13.0	3.0	1.0		
	2000	TYKW	29 PBI	0118.0		100.0	1.0	.5		
	100	HIRA	46 C	0120.0	0120.8	1.7	240.0	27.0		WR
	200	HIRA	8 S	0120.7	0120.8	.5	95.0			0
	200	HIRA	46 C	0133.0	0139.3	13.0	11.0	3.0		WR
	3750	TYKW	31 ABS	0138.0	0148.0	25.0	-1.5	-0.7		
	9400	TYKW	31 ABS	0140.0	0149.0	23.0	3.0	1.5		
	245	LEAR	8 S	0702.8	0703.0	1.5	13.0			QL=1 ST=2 TYP=3
	410	LEAR	8 S	0702.8	0703.0	1.5	3.0			QL=1 ST=2 TYP=3
	2800	OTTA	20 GRF	1940.0	1950.0	75.0	1.8	1.0		
	8800	SGMR	8 S	2111.6	2111.8	.9	8.0			QL=6 ST=2 TYP=3
	15400	SGMR	8 S	2111.6	2111.8	.4	18.0			QL=6 ST=2 TYP=3
	2000	TYKW	5 S	2241.5	2241.7	1.0	1.5	0.5		
18	245	PALE	47 GB	0021.8	0022.0	.7	96.0			QL=6 ST=2 TYP=5
	245	PALE	47 GB	0039.8	0040.0	.5	57.0			QL=6 ST=2 TYP=5
	245	LEAR	47 GB	0813.6	0813.8	2.4	119.0			QL=1 ST=3 TYP=5
	410	LEAR	8 S	0813.8	0814.0	.3	30.0			QL=1 ST=3 TYP=3
	410	LEAR	47 GB	0823.1	0823.8	2.5	62.0			QL=1 ST=3 TYP=5
	245	LEAR	47 GB	0823.1	0824.3	2.7	189.0			QL=1 ST=3 TYP=5
	204	IZMI	3 S	1057.0	1057.1	.6	93.0	45.0		
	2800	OTTA	20 GRF	1150.0	1235.0	250.0	2.2	1.1		
	3750	TYKW	5 S	2153.0	2153.7	2.0	2.0	.7		
19	245	SGMR	8 S	1238.5	1239.0	.8	23.0			QL=6 ST=2 TYP=3
	1415	SGMR	8 S	1238.6	1238.8	.4	16.0			QL=6 ST=2 TYP=3
	245	SGMR	8 S	1241.6	1242.0	1.5	31.0			QL=6 ST=2 TYP=3
	1415	SGMR	8 S	1241.6	1242.1	.7	33.0			QL=6 ST=2 TYP=3
	245	SGMR	8 S	2030.1	2030.3	.5	49.0			QL=1 ST=2 TYP=3
	8800	SGMR	47 GB	2253.6	2253.6	1.2	230.0			QL=1 ST=2 TYP=5
20	260	ONDR	40 F	0832.0		7.0	7.0			
	260	ONDR	40 F	0908.0	0908.2	6.5	1.0			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

JULY 1984

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)	Int	Remarks
20	260	ONDR	40 F	1018.0	1026.0	11.0	2.0			
	8800	SGMR	47 GB	2333.1	2335.5	3.4	440.0			QL=4 ST=3 TYP=5
21	245	LEAR	8 S	0010.8	0010.8	.2	41.0			QL=1 ST=2 TYP=3
	4995	LEAR	4 S/F	0844.6	0845.1	2.2	5.0			QL=6 ST=2 TYP=3
	8800	LEAR	4 S/F	0844.6	0845.3	2.2	9.0			QL=6 ST=2 TYP=3
	15400	LEAR	8 S	0845.1	0845.3	1.7	16.0			QL=6 ST=2 TYP=3
22	1000	TYKW	45 C	0527.0	0527.8	1.0	5.0	1.0		QL=1 ST=2 TYP=5
	245	SGMR	47 GB	1351.8	1351.8	.7	61.0			
23	204	IZMI	3 S	0934.4	0934.5	.4	69.0	36.0		
24	245	LEAR	8 S	0805.0	0805.1	.6	42.0			QL=5 ST=2 TYP=3
	260	ONDR	4 S/F	0849.0	0849.5	2.5	2.0			
25	245	LEAR	8 S	0631.8	0632.1	.5	13.0			QL=6 ST=2 TYP=3
	410	PALE	8 S	2047.5	2047.6	.3	17.0			QL=5 ST=2 TYP=3
26	9400	TYKW	5 S	0525.5	0526.2	1.5	9.0	2.0		
	245	LEAR	8 S	0818.1	0818.3	.5	24.0			QL=5 ST=2 TYP=3
	410	LEAR	8 S	0818.1	0818.3	.5	4.0			QL=5 ST=2 TYP=3
	410	LEAR	8 S	0820.5	0820.8	.5	4.0			QL=5 ST=2 TYP=3
	245	LEAR	8 S	0820.6	0820.8	.4	15.0			QL=5 ST=2 TYP=3
27	9400	TYKW	5 S	0013.0	0020.0	15.0	3.0	1.0		
	245	PALE	47 GB	0031.5	0032.1	2.1	76.0			QL=5 ST=2 TYP=5
	610	LEAR	8 S	0705.1	0705.3	.5	6.0			QL=5 ST=2 TYP=3
	410	LEAR	8 S	0705.1	0705.3	.7	4.0			QL=5 ST=2 TYP=3
	245	LEAR	8 S	0705.1	0705.3	.5	4.0			QL=5 ST=2 TYP=3
	33	UPIC	45 C	1202.2	1202.7	1.8				
	29	UPIC	45 C	1202.5	1202.7	1.4				
29	500	HIRA	8 S	0631.6	0631.7	.7	15.0			0
	500	HIRA	8 S	0634.0	0634.3	.6	7.0			0
	245	LEAR	8 S	0856.8	0856.8	.2	13.0			QL=1 ST=2 TYP=3
30	245	LEAR	8 S	0534.3	0534.3	.2	13.0			QL=1 ST=2 TYP=3
	33	UPIC	3 S	1332.1	1332.4	.4				
	29	UPIC	1 S	1332.5	1332.7	.3				
	33	UPIC	3 S	1456.6	1456.8	.4				
	29	UPIC	1 S	1456.6U	1456.8	.4U				
	2800	OTTA	20 GRF	1730.0	1750.0	35.0	1.8	0.9		
31	536	ONDR	40 F	0730.0	0734.0	20.0	13.0			
	29	UPIC	45 C	1407.3	1407.3	1.7				
	33	UPIC	45 C	1407.3	1408.5	1.5				
	33	UPIC	45 C	1454.4	1455.3	1.1				
	29	UPIC	1 S	1455.0	1455.2	.5				

Reports are received routinely from the following observatories:

ATHN = Athens	HUAN = Huancayo	NAGO = Nagoya	POTS = Potsdam
BERN = Berne	IRKU = Irkutsk	NOBE = Nobeyama	SAOP = Sao Paulo
BORD = Bordeaux	IZMI = IZMIRAN	ONDR = Ondrejov	SGMR = Sagamore Hill
CRIM = Crimea	KISV = Kislovodsk	OTTA = Ottawa	TORN = Torun
DWIN = Dwingeloo	KRAK = Krakow	PALE = Palehua	TYKW = Toyokawa
GORK = Gorky	LEAR = Learmonth	PEKG = Peking	TRST = Trieste
HIRA = Hiraiso	MANI = Manila	PENT = Penticton	UPIC = Upice
			VORO = Voroshilov

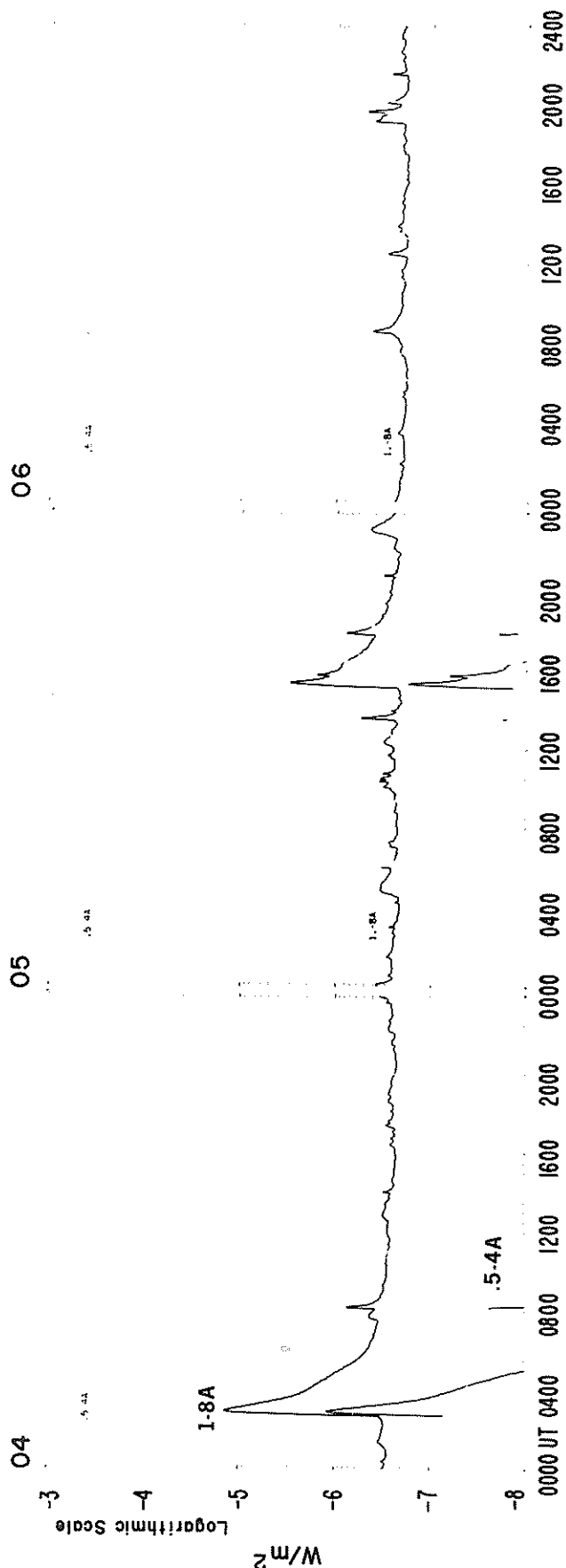
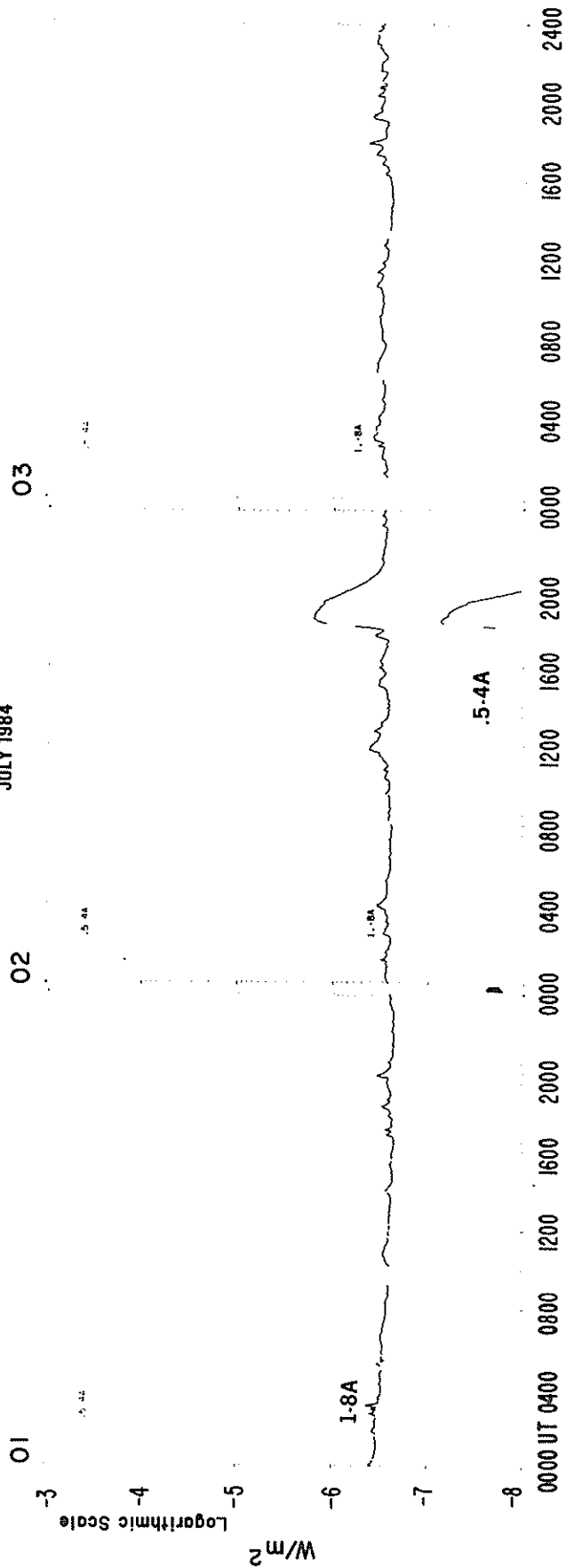
Explanation of Type Code:

1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm In Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precursor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major
				49 Major +

1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F
3A Simple 2A	240 Rise only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	240F Rise only F	260 Fall Only	31A Post Burst Decrease A
2A Simple 1AF	24P Post Rise	26F Fall F	32A Absorption A
			46F Complex F

SMS - GOES X-RAYS

JULY 1984



SMS - GOES X-RAYS

JULY 1984

07

08

09

-3

-4

-5

-6

-7

W/m^2

1.8A

1.8A

1.8A

.5-4A

.5-4A

.5-4A

0000 UT 0400 0800 1200 1600 2000 2400

10

11

12

-3

-4

-5

-6

-7

W/m^2

1.8A

1.8A

1.8A

.5-4A

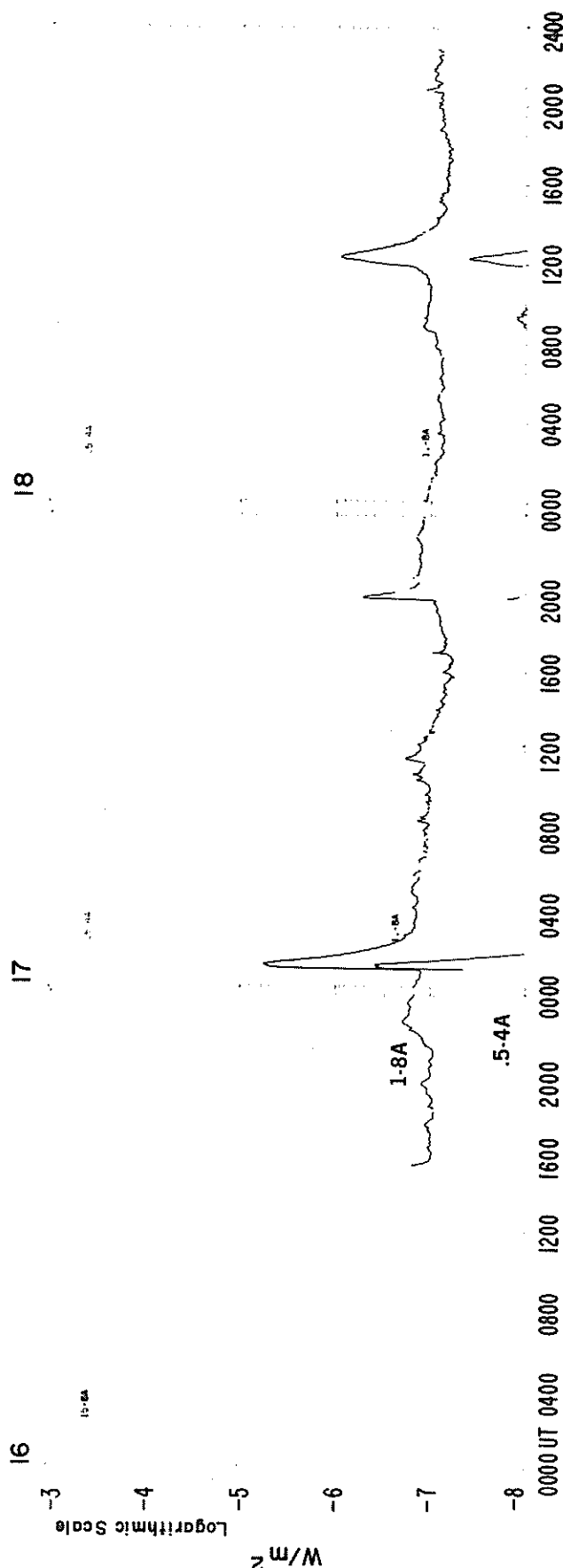
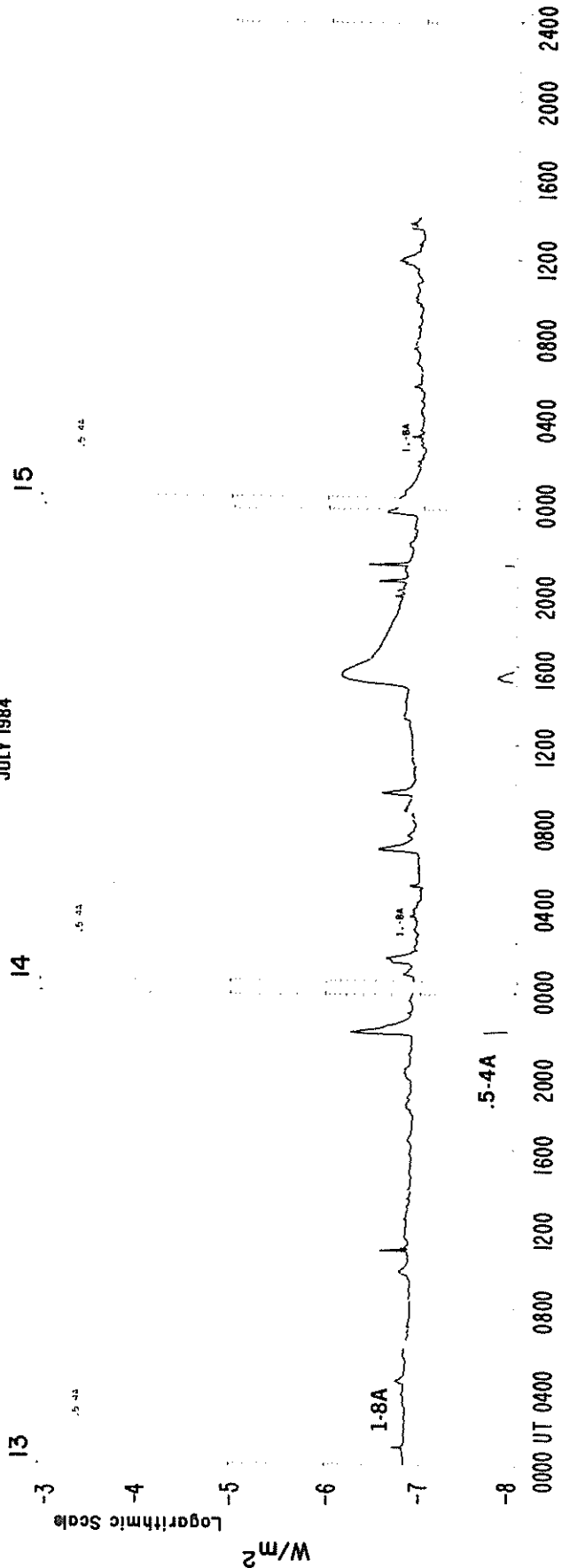
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.5-4A

0000 UT 0400 0800 1200 1600 2000 2400

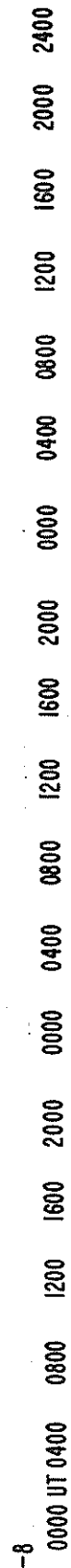
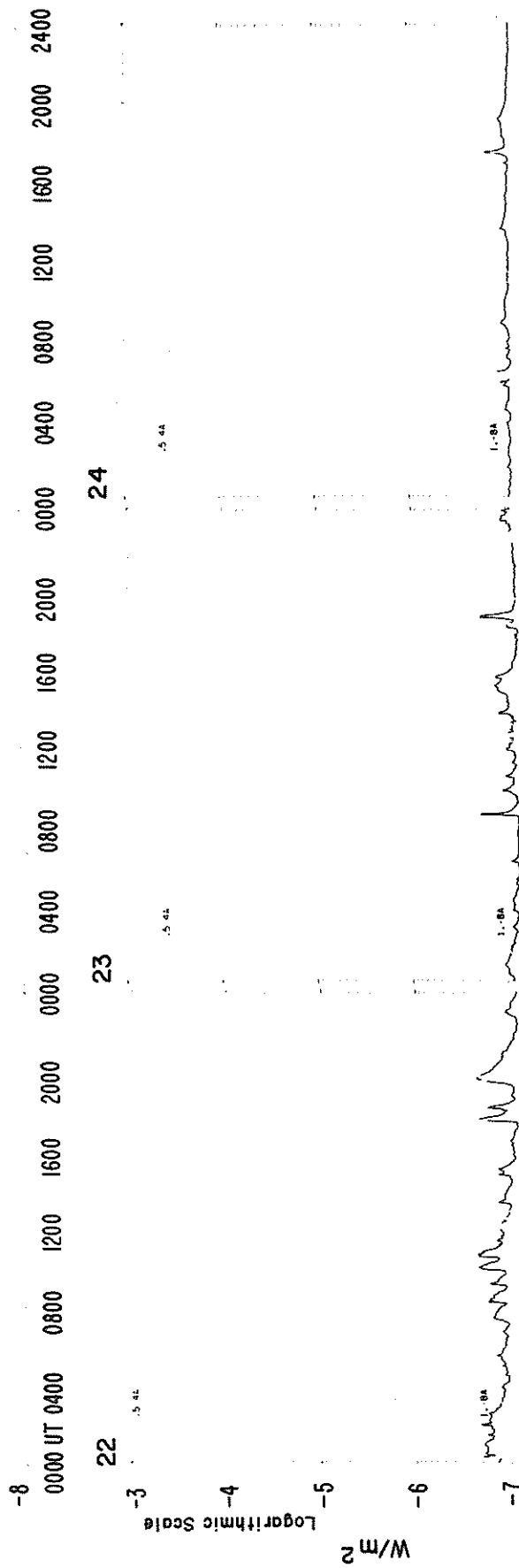
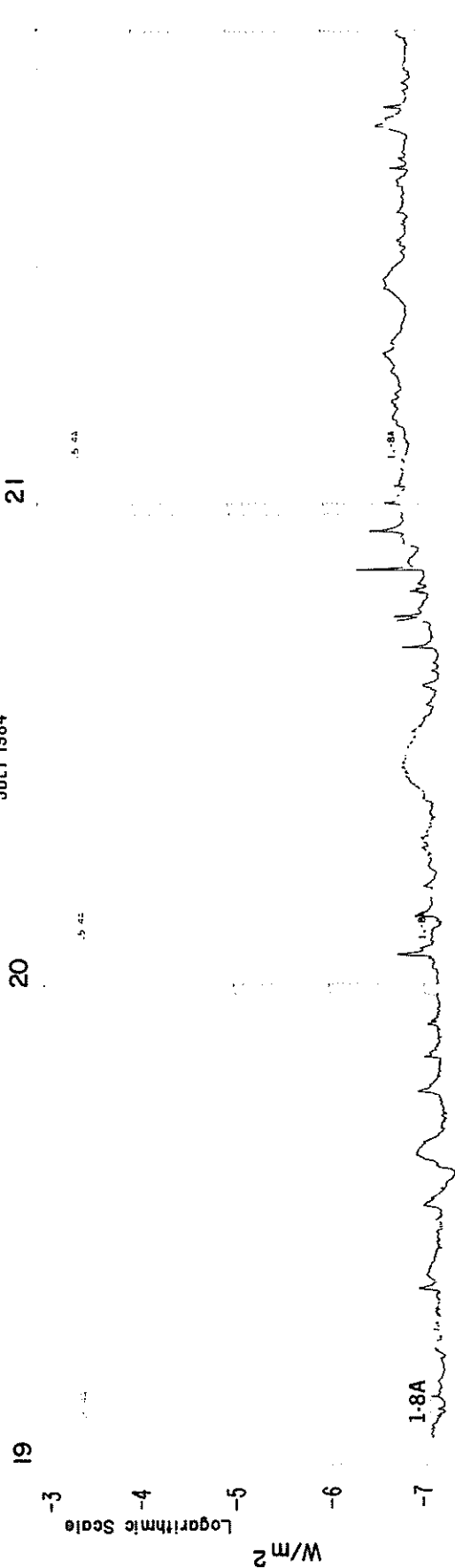
SMS - GOES X-RAYS

JULY 1984



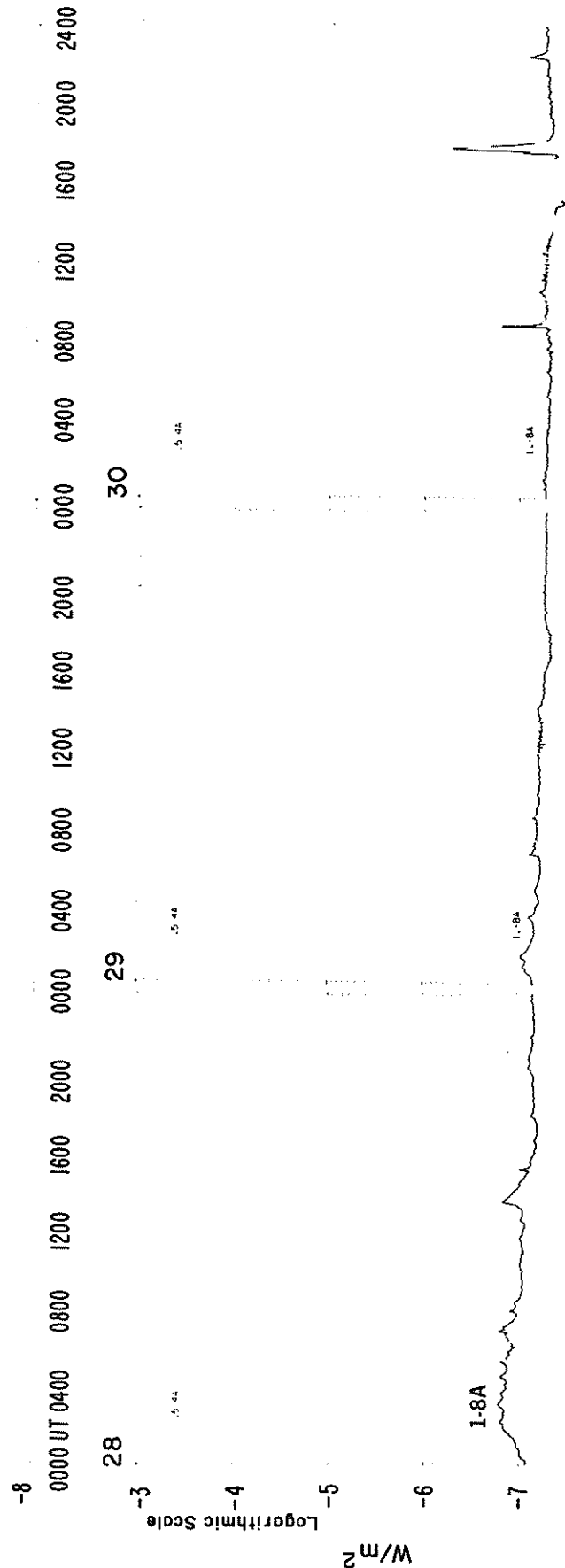
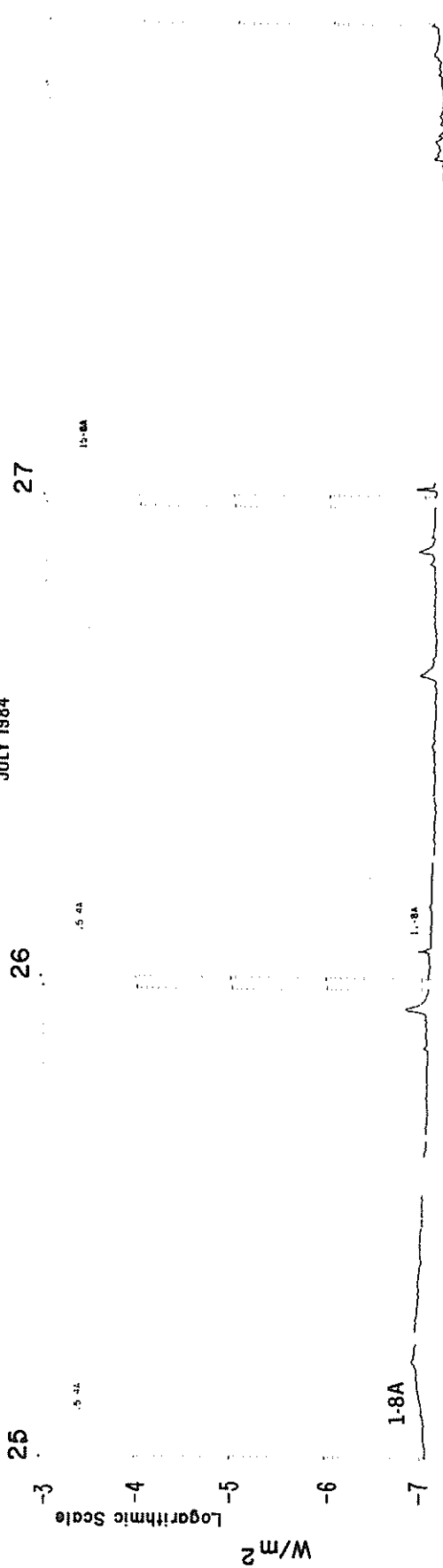
SMS - GOES X-RAYS

JULY 1984



SMS - GOES X-RAYS

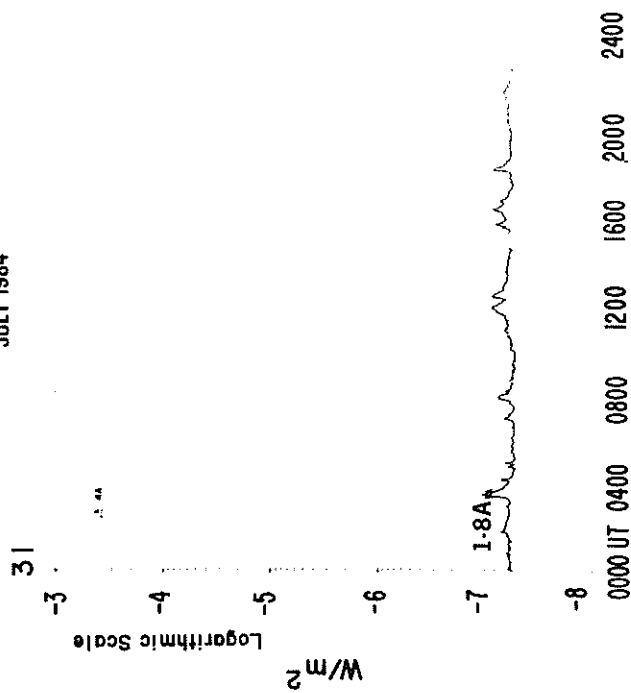
JULY 1984



20
Jul 84

SMS - GOES X-RAYS

JULY 1984



MASS EJECTIONS FROM THE SUN

21
Jul 84

JULY 1984

Sta	Day	Observed Start	UT Max	End	Location RA°	R/R ₀	Freq or Wavelength	Kind of Event
CULG	Jul 04	[0241.0		0305.0			Meter	II
LEAR	Jul 04	0253.8		0307.5			Meter	II
PALE	Jul 04	0254.0		0303.6			Meter	II
KHAR	Jul 07	0651	E 0651	0704	D 097	0.54	H-alpha	S
KHAR	Jul 07	0726	E 0728	0740	D 097	0.54	H-alpha	S
KHAR	Jul 07	1012	E 1015	1043	D 253	1.01-1.05	H-alpha	SP
KHAR	Jul 12	0956	E 1002	0957	D 106	0.68-0.70	H-alpha	S
KHAR	Jul 12	1030	E 1053	1031	D 126	0.27	H-alpha	S
KHAR	Jul 13	0730	E	0738	D 112	0.53	H-alpha	S
KHAR	Jul 13	0744	E 0752	0915	D 112	0.53	H-alpha	S
KHAR	Jul 13	1124	E 1130	1145	D 112	0.53	H-alpha	S
KHAR	Jul 13	1124	E	1138	D 219	0.28	H-alpha	S
KHAR	Jul 13	1150	E 1150	1206	D 111	0.53	H-alpha	S
KHAR	Jul 14	0850	E 0852	0908	D 122	0.33	H-alpha	S
KHAR	Jul 14	0955	E 0956	1006	D 122	0.33	H-alpha	S
KHAR	Jul 16	0724	E 0724	0735	D 256	0.81	H-alpha	S
KHAR	Jul 16	0825	E 0839	0855	D 259	0.79	H-alpha	S
KHAR	Jul 16	0953	E	0959	D 258	1.00-1.02	H-alpha	S
KHAR	Jul 16	1115	E	1125	D 259	0.79	H-alpha	S
LEAR	Jul 16	2359.1		2512.1			Meter	II
CULG	Jul 17	[0102.0		0111.0			Meter	II
LEAR	Jul 17	0108.1		0112.1			Meter	II
KHAR	Jul 17	1138	E	1145	D 279	0.66	H-alpha	S
KHAR	Jul 18	0706	E 0715	0725	D 250	0.61-0.63	H-alpha	S
KHAR	Jul 18	0745	E 0746	0754	D 250	0.62	H-alpha	S
KHAR	Jul 18	0754	E	0816	D 260	1.00-1.04	H-alpha	S
KHAR	Jul 18	0838	E 0850	0902	D 196	0.36-0.38	H-alpha	S
KHAR	Jul 18	0858	E 0907	0923	D 251	0.62	H-alpha	S
KHAR	Jul 18	1145	E 1145	1149	D 108	0.65	H-alpha	S
KHAR	Jul 20	0750	E 0750	0802	D 238	0.39	H-alpha	S
KHAR	Jul 20	0840	E 0920	1025	D 249	1.00-1.09	H-alpha	Q
KHAR	Jul 20	0924	E	0942	D 238	0.40	H-alpha	S
KHAR	Jul 22	0730	E 0750		088	1.00-1.01	H-alpha	S
KHAR	Jul 22	0954	E 0954	1002	D 109	1.00-1.01	H-alpha	S
KHAR	Jul 22	1126	E 1130	1144	D 088	1.00-1.01	H-alpha	S
KHAR	Jul 23	0842	E 0850	1002	D 253	0.50	H-alpha	S
KHAR	Jul 23	1023	E	1030	D 087	0.98	H-alpha	S
KHAR	Jul 26	0755	E 0803	0830	D 068	1.00-1.04	H-alpha	Q
KHAR	Jul 27	0900	E 0902	0922	D 264	1.00-1.02	H-alpha	S

QUALIFIERS ON START, MAX AND END TIMES

D = event ended after tabulated time
 E = event began before the tabulated time
 U = uncertain time

REPORTING STATIONS

CULG = Culgoora
 KHAR = Kharkov
 LEAR = Learmonth
 PALE = Palihua

TYPE OF EVENT

A = eruptive active region prominence
 CB = coronal cloud bubble
 D = coronal depletions
 E = coronal enhancement
 EL = coronal expanding loop
 II = Type II radio burst
 IVm = moving Type IV radio burst
 Q = eruptive quiescent prominence
 R = coronal ray or streamer
 S = flare-surge if there is a known flare association
 SP = flare-spray if there is a known flare association
 * = movement may be caused by ionospheric refraction

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Jul 84

ACTIVE PROMINENCES AND FILAMENTS

JULY 1984

Type	Day	Observed UT		Lat	CMD	Imp	Obs Type	Sta	Remarks
Start	End								
ASR	Jul 01	0613	1400	S13	W90		V	ATHN	
SDF	Jul 01	0622	2124	N32	W20	2	C	CULG	.20 R, overnight.
BSL	Jul 01	0625	0635	S16	W90	1-	P	CATA	
ADF	Jul 01	0635	1400	N14	E12		V	ATHN	
ADF	Jul 01	0635	1400	N16	E51		V	ATHN	
APR	Jul 01	0635	1400	N28	E90		V	ATHN	
ASR	Jul 01	0657	1400	S06	W90		V	ATHN	
AFS	Jul 01	0702	1400	N12	E49		V	ATHN	
APR	Jul 01	0709	1400	S20	W90		V	ATHN	
BSL	Jul 01	0715	0720D	N77	E90	1-	P	CATA	
BSL	Jul 01	0730E	0750	S13	W90	1	P	CATA	
ASR	Jul 01	0742	1400	N03	W90		V	ATHN	
ADF	Jul 01	0744	1400	S11	W32		V	ATHN	
BSL	Jul 01	0825	0835	S15	E90	1	P	CATA	
APR	Jul 01	0949	1400	N12	W90		V	ATHN	
BSL	Jul 01	1035	1050	S65	E90	1-	P	CATA	
BSL	Jul 01	1045	1050	S77	W90	1-	P	CATA	
ADF	Jul 02	0713	1400	N14	E38		V	ATHN	
SDF	Jul 02	1140E	0615D	N33	W22	1	P	CATA	
BSL	Jul 03	0630	0715	S03	E90		P	BUCH	
BSL	Jul 03	0650	0705	S08	E90	1	P	CATA	
BSL	Jul 03	0815E	0840	S08	E90	1-	P	CATA	
BSL	Jul 03	0850	0910	S08	E90	1-	P	CATA	
BSL	Jul 04	0600E	0620	S12	E90	1	P	CATA	
BSL	Jul 04	1140	1145D	N20	W90	1-	P	CATA	
BSL	Jul 05	0830E	0830D	N32	E90	1	P	CATA	
ADF	Jul 05	0848	1400	S14	E54		V	ATHN	
BSL	Jul 05	1105	1110	S79	E90	1-	P	CATA	
BSL	Jul 05	1110	1115D	S75	W90	1-	P	CATA	
ADF	Jul 06	0717	1400	S12	E48		V	ATHN	
BSL	Jul 06	1120	1145D	S06	W90	1	P	CATA	
ADF	Jul 07	0735	1400	S11	E29		V	ATHN	
AFS	Jul 07	0915	1400	S08	E34		V	ATHN	
EPL	Jul 07	0940E	1100	S19	W90	2	P	CATA	
BSL	Jul 07	1135	1145D	S20	W90	1-	P	CATA	
BSL	Jul 08	0610	0625	S04	E90	1	P	CATA	
BSL	Jul 08	0635	0700	S18	W90	1-	P	CATA	
BSL	Jul 08	0830	0840	S13	W90	1-	P	CATA	
BSL	Jul 08	0850	0910	S02	W90	1-	P	CATA	
BSL	Jul 08	0905	0940D	S04	E90	1-	P	CATA	
BSL	Jul 08	0915	0930	N07	W90	1-	P	CATA	
AFS	Jul 08	0949	1400	N02	E75		V	ATHN	
AFS	Jul 08	0949	1400	N01	E75		V	ATHN	
BSL	Jul 08	1025	1035	S01	W90	1-	P	CATA	
BSL	Jul 09	0600E	0630D	S54	W90	1-	P	CATA	
BSL	Jul 09	0700E	0720D	S05	E90	1-	P	CATA	
EPL	Jul 09	0700E	0810D	N08	E90	1	P	CATA	
BSL	Jul 09	1000	1055D	S05	E90	1	P	CATA	
ASR	Jul 10	0725	1045	S15	E90		V	ATHN	
APR	Jul 10	0725	1225	S25	E90		V	ATHN	
AFS	Jul 10	0725	1400	S10	E36		V	ATHN	
BSL	Jul 10	0725	0735	S18	E90	1-	P	CATA	
BSL	Jul 10	0800	0810	N03	W90	1-	P	CATA	
BSD	Jul 11	0517	0535	S07	W31	1	C	CULG	.06 R.
DSD	Jul 11	0517	0535	S07	W31	1	C	CULG	.06 R.

ACTIVE PROMINENCES AND FILAMENTS

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Jul 84

JULY 1984

Type	Day	Observed UT		Lat	CMD	Imp	Obs Type	Sta	Remarks
Start	End								
BSL	Jul 11	0558	0630	S12	E90		P	BUCH	
BSL	Jul 11	0611	0621	S13	E86	1	C	CULG	.05 R.
BSL	Jul 11	0615	0630D	S12	E90	1	P	CATA	
ASR	Jul 11	0623	1400	S17	E90		V	ATHN	
AFS	Jul 11	0635	1400	S10	E21		V	ATHN	
ADF	Jul 11	0729	1400	S04	W25		V	ATHN	
ADF	Jul 11	0935	1400	S04	W26		V	ATHN	
BSL	Jul 11	1035	1045D	S22	E90	1-	P	CATA	
ASR	Jul 11	1046	1400	N11	W90		V	ATHN	
BSL	Jul 11	1110	1115D	N14	W90	1-	P	CATA	
BSL	Jul 11	1135	1140	N14	W90	1	P	CATA	
ADF	Jul 12	0840	1400	S03	W35		V	ATHN	
BSL	Jul 13	0820	0820D	S54	E90	1-	P	CATA	
BSL	Jul 13	0925	0940	S12	W90	1-	P	CATA	
BSL	Jul 13	0940	0950	S32	W90	1-	P	CATA	
BSL	Jul 13	1025	1040	N23	E90	1-	P	CATA	
BSL	Jul 13	1110	1120	N24	W90	1-	P	CATA	
AFS	Jul 13	1145	1400	S07	E24		V	ATHN	
ASR	Jul 14	0730	1400	N05	W90		V	ATHN	
SDF	Jul 14	1140E	0615D	N28	W56	1	P	CATA	
SDF	Jul 15	0625	0715D	N52	E10	1	P	CATA	
ASR	Jul 15	0726	1400	S05	W90		V	ATHN	
BSL	Jul 15	0730	0744	S07	W90		P	BUCH	
SDF	Jul 15	0735E	0740D	N38	E10	1	P	CATA	
ASR	Jul 15	0850	1400	S05	E90		V	ATHN	
ASR	Jul 15	0850	1400	S15	E90		V	ATHN	
SDF	Jul 15	1140E	0525D	N40	W34	1	P	CATA	
SDF	Jul 15	1140E	0525D	N47	E50	2	P	CATA	
DSD	Jul 15	1255	1400	S09	W39		V	ATHN	
BSL	Jul 17	0745E	0825D	N10	E90	1-	P	CATA	
BSL	Jul 17	1025E	1100	N47	E90	1-	P	CATA	
BSL	Jul 18	0810E	0815D	S14	W90	1-	P	CATA	
BSL	Jul 18	1125E	1130D	N08	W90	1-	P	CATA	
SDF	Jul 18	2240	2128*	N26	E14	1	C	CULG	.10 R, 2 sections, cloudy day + night.
SDF	Jul 18	2240	2128*	N07	W14	2	C	CULG	.28 R, 2 sections, cloudy day + night.
ASR	Jul 19	0056	0852	S10	W90		V	MANI	
AFS	Jul 19	0056	0852	S10	E30		V	MANI	
BSL	Jul 19	0600E	0630	S09	W90	1-	P	CATA	
ASR	Jul 19	0715	1400	S10	W90		V	ATHN	
BSL	Jul 19	0720	0750D	S09	W90	1-	P	CATA	
BSL	Jul 19	0815	0930	S09	W90	1-	P	CATA	
BSL	Jul 19	1040E	1040D	S08	W90	1-	P	CATA	
BSL	Jul 20	0620	0650D	S03	W90	1-	P	CATA	
APR	Jul 20	0705	1400	S05	W90		V	ATHN	
DSD	Jul 20	0730	0915	S09	E12		V	ATHN	
ADF	Jul 20	0730	1400	S11	E13		V	ATHN	
EPL	Jul 20	0840E	1030D	S28	W90	2	P	CATA	
APR	Jul 20	0930	1200	S25	W90		V	ATHN	
ADF	Jul 21	0114	0557	S07	E02	1	V	MANI	
APR	Jul 21	0114	0557	N11	W90	1	V	MANI	
AFS	Jul 21	0114	0557	S05	E02		V	MANI	
BSL	Jul 21	0600E	0605	N08	W90	1-	P	CATA	
ASR	Jul 21	0607	1400	N11	W90		V	ATHN	
APR	Jul 21	0608	1400	S06	W90		V	ATHN	
ASR	Jul 21	0609	1400	N15	E90		V	ATHN	
APR	Jul 21	0610	1400	S06	E90		V	ATHN	

*End time refers to the next day (July 19).

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Jul 84

ACTIVE PROMINENCES AND FILAMENTS

JULY 1984

Type	Day	Observed Start	UT End	Lat	CMD	Imp	Obs Type	Sta	Remarks
BSL	Jul 21	0630	0640	N18	E90	1	P	CATA	
DSD	Jul 21	0718	1400	S08	W05		V	ATHN	
BSL	Jul 21	0735	0815	N12	W90	1-	P	CATA	
BSL	Jul 21	1130	1140D	S15	E90	1-	P	CATA	
AFS	Jul 22	0050	0701	S08	W11		V	MANI	
ADF	Jul 22	0050	0701	S18	W40	1	V	MANI	
BSL	Jul 22	0555	0615	N55	E90	1-	P	CATA	
BSL	Jul 22	0600	0615	S04	E90	1-	P	CATA	
BSL	Jul 22	0655	0705	N02	E90	1-	P	CATA	
BSL	Jul 22	0735	0810	N01	E90	1	P	CATA	
BSL	Jul 22	1050	1105	N54	E90	1-	P	CATA	
BSL	Jul 22	1110	1120	N03	E90	1-	P	CATA	
BSL	Jul 22	1130	1140D	S01	E90	1-	P	CATA	
BSL	Jul 22	1130	1140D	S15	W90	1-	P	CATA	
BSL	Jul 22	1140	1140D	S18	W90	1	P	CATA	
AFS	Jul 23	0025	0625	S07	W27		V	MANI	
ADF	Jul 23	0025	0625	S07	W23	1	V	MANI	
BSL	Jul 23	0615E	0615D	S19	W90	1	P	CATA	
BSL	Jul 23	0625E	0630	S34	W90	1-	P	CATA	
BSL	Jul 23	0625E	0645	N15	W90	1-	P	CATA	
BSL	Jul 23	0655E	0705	S01	W90	1-	P	CATA	
BSL	Jul 23	0910E	0920D	S05	W90	1-	P	CATA	
BSL	Jul 24	0625	0650	S05	W90	1-	P	CATA	
BSL	Jul 24	0710	0710D	S01	E90	1-	P	CATA	
BSL	Jul 24	0900E	0930	S04	E90	1-	P	CATA	
BSL	Jul 24	0920	0930	S02	E90	1-	P	CATA	
APR	Jul 25	0700	1400	S10	E90		V	ATHN	
BSL	Jul 25	0820E	0825	N03	E90	1-	P	CATA	
APR	Jul 25	1305	1400	N24	E90		V	ATHN	
APR	Jul 26	0740	1400	N17	E90		V	ATHN	
ASR	Jul 26	0740	1220	S25	E90		V	ATHN	
APR	Jul 26	0740	1400	S10	W90		V	ATHN	
BSL	Jul 26	0750	0815	N24	E90	1-	P	CATA	
BSL	Jul 26	0825	0845	S55	W90	1-	P	CATA	
BSL	Jul 26	0910	0940	S21	E90	1-	P	CATA	
ASR	Jul 27	0016	0720	S08	W90		V	MANI	
ADF	Jul 27	0016	0720	S20	E20	1	V	MANI	
AFS	Jul 27	0016	0720	N04	E27		V	MANI	
ADF	Jul 27	0705	0904	N19	W41		V	ATHN	
BSL	Jul 27	0730	0750	N26	E90	1-	P	CATA	
BSL	Jul 27	0905	0905D	S14	W90	1-	P	CATA	
BSL	Jul 27	0915E	0930D	S14	W90	1	P	CATA	
APR	Jul 27	2311	0720	N09	E90	1	V	MANI	
ASR	Jul 27	2311	0720	S09	W90		V	MANI	
ADF	Jul 27	2311	0720	S19	E07	1	V	MANI	
SDF	Jul 28	0629	2127	N33	W08	1	C	CULG	.12 R, overnight.
BSL	Jul 28	0650E	0705	S66	W90	1-	P	CATA	
BSL	Jul 28	0725	0740D	S06	W90	1-	P	CATA	
SDF	Jul 28	1120E	0630D	N18	E18	1	P	CATA	
BSL	Jul 29	0605	0610D	N07	E90	1-	P	CATA	
BSL	Jul 29	0950E	0950D	N72	E90	1	P	CATA	
APR	Jul 30	0638	1400	N22	E90		V	ATHN	
ASR	Jul 30	0638	1400	S16	E90		V	ATHN	
BSL	Jul 30	0720E	0735	S54	W90	1	P	CATA	
BSL	Jul 30	0720E	0735	S80	E90	1-	P	CATA	
ASR	Jul 30	1138	1400	S27	E90		V	ATHN	
BSL	Jul 31	0630	0640	N27	E90	1-	P	CATA	
SDF	Jul 31	0740	0750D	S13	W45	1	P	CATA	
BSL	Jul 31	0815E	0825	N67	E90	1-	P	CATA	

C O N T E N T S

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H - ALPHA SOLAR FLARES

FEBRUARY 1982

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0001		01	00314	00346	0107	N10	E04	3573	02	1,3	36	1B					291	3.1	EJKU
	VORO	01	0031	0034	0045	N11	E04	3573	02	1,3	14	1B			C	0034	314	3.4	EJ
	CULG	01	0031	0035	0111	N10	E04	3573	02	1,3	40	1N			P	0035	300	3.0	
	PEKG	01	0035	0040	0125	N10	E04	3573	02	1,3	50	1B			C	0040	260	2.8	KU
0002		01	0035	0112	0126	N09	E02	3573	02	1,2	51	1N					231	2.4	F
	PEKG	01	0035	0112	0125	N09	E02	3573	02	1,2	50	1N			P	0112	210	2.2	F
	YUNN	01	0050E	0050U	0127	N09	E03	3573	02	1,2	37D	1N			P	0050	252	2.7	F
0003	CULG	01	0036	0037U	0041U	S12	E45	3584	02	4,4	5U	SN			P	0037	30	.4	
0004		01	01082	01102	0119	S16	E30	3591	02	3,3	11	SN					98	1.2	EJ
	VORO	01	0108	0110	0119	S17	E30	3591	02	3,3	11	SN			C	0110	108	1.3	EJ
	CULG	01	0109	0111U	0111D	S15	E30	3591	02	3,3	2D	SN			P	0111	60	.7	
	YUNN	01	0110E	0112	0117	S16	E29	3591	02	3,2	7D	SN			P		157	1.9	E
	PEKG	01	0110	0112	0120	S17	E29	3591	02	3,2	10	SN			C	0112	67	.8	E
0005		01	0112	0114	0124	S13	E04	3576	02	1,3	12	SN					88	.9	E
	PEKG	01	0112	0114	0120	S13	E04	3576	02	1,3	8	SN			C	0114	97	1.0	E
	YUNN	01	0112	0114	0127	S13	E04	3576	02	1,3	15	SN			C		79	.8	E
0006	CULG	01	0229	0230U	0238	N13	W46	3572B	01	28,7	9	SF			P	0230	60	.9	
0007	PEKG	01	0304	0305	0325	S13	E09	3576	02	1,8	21	SN			P	0305	46	.5	D
0008	CULG	01	0323E	0325U	0340	S15	E33	3591	02	3,6	17D	SF			P	0325	70	.8	EJ
0009		01	03391	03425	0406	N10	E16	3579	02	2,3	27	SN					131	1.5	EFK
	CULG	01	0339	0345U	0417	N11	E15	3579	02	2,3	38	SN			P	0345	140	1.5	F
	PEKG	01	0340	0342	0358	N09	E16	3579	02	2,3	18	SN			C	0342	97	1.1	E
	YUNN	01	0340E	0347	0404	N10	E17	3579	02	2,4	24D	SN			P		157	1.8	EK
0010	CULG	01	0352	0352	0354D	S11	E13	3590	02	2,1	2D	SN			P	0352	40	.4	
0011		01	04172	04191	0428	S14	E02	3576	02	1,3	11	SN					87	.9	EF
	CULG	01	0417	0419	0427	S14	E02	3576	02	1,3	10	SN			C	0419	60	.6	F
	YUNN	01	0418E	0419	0428	S13	E02	3576	02	1,3	10D	SN			P		126	1.3	E
	PEKG	01	0419	0420	0428	S14	E01	3576	02	1,2	9	SN			C	0420	76	.8	E
0012	CULG	01	0457	0458	0502	S12	E10	3576	02	1,9	5	SF			C	0458	30	.3	
0013		01	05178	0520	0530	S17	E27	3591	02	3,3	13	SN					130	1.5	EV
	YUNN	01	0517	0520	0523D	S16	E27	3591	02	3,3	6D	1N			P		189	2.2	
	CULG	01	0519	0520	0531	S17	E27	3591	02	3,3	12	SB			C	0520	160	1.8	V
	PEKG	01	0525	0526U	0530	S17	E27	3591	02	3,3	5	SN			P	0526	42	.5	E
0014	CULG	01	0632	0633	0634	N16	W07	3581	01	31,7	2	SF			C	0633	40	.4	
0015		01	07164	0720*	0746	S07	E67	3589	02	6,3	30	1N					114		EFIK
	CULG	01	0716	0719U	0736U	S05	E66	3589	02	6,2	20U	SN			P	0719	60		EI
	CATA	01	0720E	0720	0815D	S09	E68	3589	02	6,4	55D	2			P	0720	281		
	YUNN	01	0720	0723	0723D	S06	E69	3589	02	6,5	3D	SN			C		32		E
	PEKG	01	0720	0725	0740	S09	E67	3589	02	6,3	20	1F			P	0725	168		F
	YUNN	01	0732E	0732	0752	S07	E66	3589	02	6,2	20D	SN			C		31		EK
0016	CATA	01	0720E	0720	0815D	S07	E63	3589	02	6,0	55D	1			P	0720	140	3.1	
0017		01	0727	0737	0803	N15	E28	3585A	02	3,4	36	SN					58	.7	E
	YUNN	01	0727	0737	0756	N14	E27	3585A	02	3,3	29	SN			C		47	.6	E
	HTPR	01	0742E		0810	N16	E30	3585A	02	3,6	28D	SF			C	0749	70	.8	E
0018		01	0730	0731	0750	S13	E08	3576	02	1,9	20	SN					34	.4	D
	YUNN	01	0730	0731	0734	S12	E09	3576	02	2,0	4	SN			C		47	.5	D
	HTPR	01	0742E		0806	S14	E07	3576	02	1,8	24D	SF			C	0747	20	.2	
0019	HTPR	01	0742		0800	N12	E18	3582	02	2,7	18	SF			C	0748	30	.3	
0020	HTPR	01	0810	0812	0817	N13	W47	3572B	01	28,9	7	SN			C	0812	50	.7	
0021		01	08283	08364	0901	S13	W00	3576	02	1,3	33	SN					184	1.9	EF
	HTPR	01	0828	0836	0900	S13	W01	3576	02	1,3	32	SB			C	0836	180	1.8	E
	PEKG	01	0829	0840	0850	S13	W00	3576	02	1,3	21	SN			C	0840	168	1.8	E
	YUNN	01	0831	0836	0913	S14	W00	3576	02	1,3	42	1N			C		204	2.1	F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0022		01	08373	08404	0848	N13	W02	3581	02	1.2	11	SN					60	.6	E
	PEKG	01	0837	0840	0845	N12	W02	3581	02	1.2	8	SF			C	0840	76	.8	E
	HTPR	01	0839	0843	0849	N13	W02	3581	02	1.2	10	SN			C	0843	40	.4	E
	YUNN	01	0840	0844	0851	N13	W01	3581	02	1.3	11	SN			C		63	.7	E
0023	HTPR	01	0841	0842	0849	S19	E34	3583	02	3.9	8	SF			C	0842	30	.4	E
0024		01	09123	09203	0948	S14	E40	3584	02	4.4	36	1N					185	2.4	EF
	YUNN	01	0912	0921	0952	S14	E40	3584	02	4.4	40	1N			C		220	3.0	F
	KANZ	01	0915	0920	0952	S15	E38	3584	02	4.3	37	1N		1					
	HTPR	01	0915	0923	0940	S14	E42	3584	02	4.5	25	SB			C	0923	150	1.9	E
0025		01	09344	0941*	1007	N10	W03	3573	02	1.2	33	SN					54	.6	E
	YUNN	01	0934	0943	0958	N10	W02	3573	02	1.2	24	SN			C		79	.8	E
	HTPR	01	0935	0941	1016	N10	W04	3573	02	1.1	41	SB			C	0941	30	.3	E
	KANZ	01	0938	0952	1007	N10	W03	3573	02	1.2	29	SN		1					E
0026	KANZ	01	1002	1002	1007	S11	E07	3576	02	1.9	5	SF		1					
0027	KANZ	01	1007	1007	1026	N12	W46	3572B	01	29.0	19	SF		2					
0028	HTPR	01	1023	1027	1035	S14	W01	3576	02	1.3	12	SF			C	1027	30	.3	E
0029	KANZ	01	1026	1036	1100	N11	E14	3579	02	2.5	34	SN		2					E
0030		01	10413	1047*	1108	S18	W06	3576	02	1.0	27	SF					30	.3	E
	KANZ	01	1041	1104	1118	S19	W06	3576	02	1.0	37	SF		2					
	HTPR	01	1044	1047	1057	S18	W06	3576	02	1.0	13	SF			C	1047	30	.3	E
0031	HTPR	01	1047	1049	1052	S14	W01	3576	02	1.4	5	SF			C	1049	20	.2	
0032	KANZ	01	1118	1127	1142	N12	W46	3572B	01	29.1	24	SF		2					
0033		01	11198	11274	1142	S12	E12	3590	02	2.4	23	SF					40	.4	E
	HTPR	01	1119	1131	1142	S11	E13	3590	02	2.4	23	SF			C	1131	40	.4	E
	KANZ	01	1127	1127	1142	S12	E12	3590	02	2.4	15	SF		2					
0034		01	11443	11452	1154	N16	E23	3582	02	3.2	10	SN					40	.4	E
	HTPR	01	1144	1145	1154	N16	E23	3582	02	3.2	10	SN			C	1145	40	.4	E
	KANZ	01	1147	1147	1155	N16	E23	3582	02	3.2	8	SN		2					
0035		01	1159	11591	1206	S14	E00	3576	02	1.5	7	SN					30	.3	E
	KANZ	01	1159	1159	1207	S13	E02	3576	02	1.6	8	SN		2					
	HTPR	01	1159	1200	1206	S14	W02	3576	02	1.3	7	SF			C	1200	30	.3	E
0036		01	1221*	12422	1258	S12	E05	3576	02	1.9	37	SN					70	.7	EL
	HTPR	01	1221	1244	1253	S12	E04	3576	02	1.8	32	SN			C	1244	70	.7	E
	KANZ	01	1242	1242	1302	S12	E06	3576	02	2.0	20	SN		2					L
0037	HTPR	01	1222	1225	1236	N15	E21	3582	02	3.1	14	SN			C	1225	20	.2	
0038	HTPR	01	1237	1242	1248	N09	E10	3579	02	2.3	11	SF			C	1242	40	.4	E
0039		01	12371	1242	1300	N11	E00	3581	02	1.5	23	SN					40	.4	E
	HTPR	01	1237	1242	1302	N12	W01	3581	02	1.4	25	SF			C	1242	40	.4	E
	KANZ	01	1238	1242	1257	N10	E01	3581	02	1.6	19	SN		2					E
0040	HTPR	01	1320	1337	1350	S14	E02	3576	02	1.7	30	SF			C	1337	20	.2	
0041		01	13392	13413	1402	S14	E38	3584	02	4.4	23	SN					100	1.3	E
	HTPR	01	1339	1344	1401	S14	E40	3584	02	4.6	22	SN			C	1344	100	1.3	E
	KANZ	01	1341	1341	1404	S14	E36	3584	02	4.3	23	SN		2					
0042	KANZ	01	1345	1350	1410	N11	W20	3575	01	31.1	25	SN		2					
0043		01	1350	1407	1609D	S16	W09	3576	01	31.9	139D	3B					1300	13.0	EUW
	HTPR	01	1350		1609D	S16	W10	3576	01	31.8	139D	3B			C	1410	1300	13.0	EUW
	KANZ	01	1350	1407	1500D	S16	W08	3576	02	1.0	70D	3B		2					
0044	HTPR	01	1353	1354	1413	N10	W08	3573	02	1.0	20	SN			C	1354	70	.7	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Op	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0045		01	14121	1453	1609D	S12	W18	3578	01	31.2	117D	1B					220	2.2	W
	HTPR	01	1412		1609D	S13	W18	3578	01	31.2	117D	1B			C	1430	220	2.2	W
	KANZ	01	1413	1453	1500D	S11	W17	3578	01	31.3	47D	1B		1					
0046	KANZ	01	1449	1453	1500	S06	E65	3589	02	6.5	11	SN		1					
0047	HTPR	01	1505	1509	1534	N08	E08	3579	02	2.2	29	SF			C	1509	30	.3	E
0048	HTPR	01	1528		1609D	S14	W06	3576	02	1.2	41D	2B			C	1542	600	6.0	
0049	BIGB	01	1546E	1547U	1725	S14	W01	3576	02	1.6	99D	2B		2	P	1547	600	6.2	
0050	BIGB	01	1923	1946	2027D	N16	W15	3581	01	31.7	64D	1B		2	P	1946	240	2.6	
0051	BIGB	01	1937	1941	2024	S14	W06	3576	02	1.4	47	SN		2	C	1941	160	1.7	
0052	PALE	01	2003E	2010U	2040D	S20	E05	3590	02	2.2	37D	SF		1	C		25		
0053		01	2059	2101*	2115	S14	W04	3576	02	1.6	16	SN					60	.6	J
	CULG	01	2059	2101	2115	S15	W07	3576	02	1.3	16	SF			C	2101	50	.5	
	CULG	01	2109U	2130	2154U	S14	W02	3576	02	1.7	45U	SN			P	2130	70	.7	J
0054	CULG	01	2157	2202	2215U	S19	E28	3583	02	4.0	18U	SN			P	2202	60	.7	
0055	CULG	01	2304	2311	2335	N11	W15	3573	01	31.8	31	1N			C	2311	160	2.1	J
0056	CULG	01	2332	2349	2355	N09	E04	3579	02	2.3	23	SF			C	2349	30	.3	JK
0057	CULG	01	2358	2404U	2414U	S15	W08	3576	02	1.4	16U	SN			P	2404	60	.6	J
0058	CULG	02	0025	0030	0045	S16	E22	3591	02	3.7	20	SF			C	0030	50	.6	EJ
0059		02	0026E	0030	0044D	S15	W10	3576	02	1.3	18D	SN					50	.5	J
	CULG	02	0026U	0030	0044U	S16	W12	3576	02	1.1	18U	SN			P	0030	70	.7	J
	YUNN	02	0034E	0034U	0035D	S14	W08	3576	02	1.4	1D	SN			P	0034	31	.3	
0060	CULG	02	0117	0124	0131	S04	E62	3589	02	6.7	14	SF			C	0124	40	.8	J
0061		02	01213	01292	0148	S12	W00	3576	02	2.0	27	SF					79	.8	EJ
	CULG	02	0121	0129	0148	S12	W01	3576	02	2.0	27	SF			C	0129	50	.5	
	VORO	02	0124	0131	0147	S13	E00	3576	02	2.0	23	SF			C	0131	108	1.1	EJ
0062		02	0219	02231	0230	S04	E62	3589	02	6.7	11	1F					80	1.7	DJ
	VORO	02	0219	0223	0227	S05	E61	3589	02	6.6	8	1F			C	0223	99	2.1	DJ
	CULG	02	0219	0224	0233	S04	E62	3589	02	6.7	14	SF			C	0224	60	1.3	J
0063		02	0242*	0248*	0329	S13	W50	3577	01	29.4	47	1B					144	2.2	EFJK
	CULG	02	0242	0251	0355	S14	W51	3577	01	29.3	73	1N			C		150	2.4	FKJ
	YUNN	02	0244	0248	0303	S12	W49	3577	01	29.5	19	1B			C	0251	189	2.9	
	VORO	02	0248E		0300D	S12	W52	3577	01	29.3	12D	1B			C	0251	143	2.2	EJ
	PEKG	02	0300	0326U	0357D	S13	W49	3577	01	29.5	57D	SN			P	0326	130	2.0	F
	YUNN	02	0317	0326	0347D	S16	W49	3577	01	29.5	30D	SB			P	0329	110	1.7	F
0064	YUNN	02	0314E	0314U	0319	N16	E23	3592	02	3.9	5D	SN			P	0314	79	1.0	DG
0065		02	0327	03281	0335	N12	W56	3580	01	29.0	8	SN					48	1.0	F
	CULG	02	0327	0328	0335	N12	W58	3580	01	28.9	8	SF			C	0328	50	1.0	
	YUNN	02	0327	0329	0335D	N13	W54	3580	01	29.2	8D	SN			P		47	.9	F
0066		02	03512	03543	0404	S15	W11	3576	02	1.3	13	SN					40	.4	DJ
	CULG	02	0351	0354	0410	S15	W11	3576	02	1.3	19	SN			C	0354	30	.3	J
	PEKG	02	0353	0357	0359	S15	W11	3576	02	1.3	6	SF			C	0357	50	.5	D
0067	CULG	02	0416	0422	0432	S05	E51	3589	02	6.0	16	SF			C	0422	30	.5	
0068	CULG	02	0417	0421	0430	N10	W15	3573	02	1.0	13	SF			C	0421	40	.4	
0069	CULG	02	0438	0440	0500	S16	W49	3577	01	29.6	22	SF			C	0440	60	.9	J
0070	CULG	02	0445	0447	0451	S12	W03	3576	02	2.0	6	SN			C	0447	30	.3	

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0071	CULG	02	0450	0451	0453	S15	W15	3576	02	1.1	3	SF			C	0451	40	.4	
0072	CULG	02	0457	0459	0502	S15	W20	3576	01	31.7	5	SF			C	0459	30	.3	
0073*	CULG	02	0550U	0607	0630	S14	W12	3576	02	1.3	40U	SN			P	0607	40	.4	JK
0074	CULG	02	0551	0554	0600	N18	E10	3582	02	3.0	9	SN			C	0554	30	.3	
0075	CULG	02	0551	0610	0657	N10	E01	3579	02	2.3	66	1N			C	0610	210	2.1	FIJK
0076	YUNN	02	0649E	0650U	0715	N10	E06	3579	02	2.7	26D	SF			P	0650	157	1.7	
0077	CULG	02	0649	0653	0704	S16	W50	3577	01	29.6	15	SF			C	0653	40	.6	
0078			02 0741		0755	S14	W14	3576	02	1.3	14	SF					20	.2	
	HTPR	02	0741E		0752	S14	W12	3576	02	1.4	11D	SF			C	0745	20	.2	
	HTPR	02	0741E		0758	S14	W15	3576	02	1.2	17D	SF			C	0742	20	.2	
0079	HTPR	02	0741		0833	S14	W08	3576	02	1.7	52	SF			C	0754	30	.3	
0080			02 0748	07537	0827	N13	W32	3575	01	31.0	39	1N					214	2.6	E
	CATA	02	0745E	0800	0805D	N12	W31	3575	01	31.0	20D	1		1	P	0800	309	3.9	
	HTPR	02	0748	0753	0827	N14	W33	3575	01	30.9	39	SN			C	0753	120	1.4	E
0081	HTPR	02	0747	0749	0750	S11	W05	3576	02	1.9	3	SN			C	0749	20	.2	
0082			02 08211	08212	0824	S15	W12	3576	02	1.4	3	SN					50	.5	
	CULG	02	0820U	0821U	0824	S13	W09	3576	02	1.7	4U	SF			P	0821	40	.4	
	KANZ	02	0821	0821	0825	S16	W13	3576	02	1.4	4	SN		1					
	HTPR	02	0822	0823	0824	S15	W15	3576	02	1.2	2	SN			C	0823	60	.6	
0083	HTPR	02	0824	0825	0828	S15	W20	3576	01	31.8	4	SN			C	0825	70	.7	E
0084	HTPR	02	0838	0841	0849	N10	E01	3579	02	2.4	11	SN			C	0841	20	.2	
0085			02 08516	08555	0907	S14	W10	3576	02	1.6	16	SF					40	.4	E
	KANZ	02	0851	0855	0907	S14	W09	3576	02	1.7	16	SN		1					
	MONT	02	0855	0857	0901	S13	W10	3576	02	1.6	6	SF			C	0857	50		E
	HTPR	02	0857	0859	0912	S14	W09	3576	02	1.7	15	SF			C	0859	40	.4	E
	HTPR	02	0857	0900	0907	S14	W10	3576	02	1.6	10	SF			C	0900	30	.3	
0086			02 08581	09014	0930	S14	E30	3584	02	4.6	32	SN					119	1.4	E
	MONT	02	0858	0901	0925	S13	E29	3584	02	4.6	27	SN			C	0901	110		
	HTPR	02	0859	0903	0935	S14	E30	3584	02	4.6	36	SF			C	0903	50	.5	E
	CATA	02	0900E	0905	0910D	S15	E30	3584	02	4.6	10D	1		1	P	0905	197	2.4	
0087			02 0859	09052	0945	S14	E24	3584	02	4.2	46	SN					112	1.3	E
	KANZ	02	0859	0907	0945	S14	E23	3584	02	4.1	46	SN		2					E
	CATA	02	0900E	0905	0910D	S13	E26	3584	02	4.3	10D	S		1	P	0905	112	1.3	
0088			02 09052	0909	0921	S17	E15	3591	02	3.5	16	SF					54	.6	E
	HTPR	02	0905	0909	0926	S17	E17	3591	02	3.7	21	SF			C	0909	50	.5	E
	MONT	02	0907	0909	0918	S17	E15	3591	02	3.5	11	SF			C	0909	50		E
	WEND	02	0912E		0920	S17	E13	3591	02	3.4	8D	SN			C	0912	62	.7	
0089			02 09283	09365	1003	N10	W16	3573	02	1.2	35	SN					169	2.1	E
	KANZ	02	0928	0940	1016	N09	W16	3573	02	1.2	48	SN		2					
	WEND	02	0929	0941	1002	N10	W15	3573	02	1.3	33	SN			C	0941	110	1.2	
	MONT	02	0930	0941	0951	N13	W15	3573	02	1.3	21	SN			C	0941	110		
	HTPR	02	0931	0936	1003	N08	W20	3573	01	31.9	32	SB			C	0936	120	1.2	E
	CATA	02	0935E	0940	1025D	N10	W16	3573	02	1.2	50D	1		1	P	0940	337	3.8	
0090			02 0934	09393	1010	S14	W12	3576	02	1.5	36	SF					48	.5	E
	WEND	02	0934	0939	0954	S13	W11	3576	02	1.6	20	SF			C	0939	46	.5	
	HTPR	02	0934	0942	1025	S14	W12	3576	02	1.5	51	SF			C	0942	50	.5	E
0091			02 10272	1042*	1140	S11	W33	3578	01	31.0	73	1B					503	5.4	ELU
	HTPR	02	1027	1056	1212	S11	W33	3578	01	31.0	105	1B			C	1043	220	2.6	EU
	MONT	02	1028	1042	1126	S11	W33	3578	01	31.0	58	2B			C	1042	700		
	KANZ	02	1028	1042	1142	S12	W32	3578	01	31.0	74	1B		3					U
	WEND	02	1029	1043	1125	S12	W33	3578	01	31.0	56	1B			C	1043	250	3.1	L
	CATA	02	1100E	1100	1135	S12	W34	3578	01	31.0	35D	2		2	P	1100	843	10.5	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	(10 ⁻⁶)	Disk)		
0092	HTPR	02	1109	1121	1155	S13	W04	3590	02	2.2	46	SF			C	1121	20		.2	E
0093		02	1136*	1152*	1256	S17	E14	3583	02	3.5	80	1B					300		3.7	EU
	HTPR	02	1136	1210	1302	S17	E15	3583	02	3.6	86	1B			C	1210	280		2.8	EU
	WEND	02	1145	1212	1253	S17	E12	3583	02	3.4	68	1B			C	1212	263		2.9	
	KANZ	02	1146	1209	1259	S16	E15	3583	02	3.6	73	1B		3						
	MONT	02	1147	1152	1152D	S17	E15	3583	02	3.6	5D	SN			C	1152	150			
	CATA	02	1200	1220	1250	S17	E14	3583	02	3.6	50	2		2	P	1220	506		5.5	
0094	HTPR	02	1204	1205	1210	N12	W15	3581	02	1.4	6	SN			C	1205	40		.4	E
0095	HTPR	02	1310	1312	1318	S14	W13	3576	02	1.6	8	SF			C	1312	20		.2	E
0096	HTPR	02	1310	1320	1328	S08	W22	3578	01	31.9	18	SF			C	1320	30		.3	
0097	HTPR	02	1312	1318	1326	S14	W26	3576	01	31.6	14	SF			C	1318	20		.2	
0098		02	13314	1341*	1411	S14	W57	3577	01	29.3	40	SN					95		1.8	E
	HTPR	02	1331	1341	1417	S13	W60	3577	01	29.1	46	SB			C	1341	80		1.6	E
	KANZ	02	1333	1356	1419	S16	W56	3577	01	29.4	46	SN		2						
	WEND	02	1335	1344	1358	S13	W55	3577	01	29.5	23	SN			C	1344	110		2.0	
0099	HTPR	02	1416	1419	1439	N13	W22	3581	01	31.9	23	SB			C	1419	50		.5	E
0100		02	14163	14191	1431	N10	W18	3573	02	1.2	15	SN					22		.2	
	WEND	02	1416	1420	1427	N11	W16	3573	02	1.4	11	SF			C	1420	22		.2	
	KANZ	02	1419	1419	1435	N10	W19	3573	02	1.2	16	SN		2						
0101		02	15052	15121	1530	N15	W18	3581	02	1.3	25	SN					36		.4	E
	HTPR	02	1505	1513	1536	N16	W19	3581	02	1.2	31	SN			C	1513	40		.4	E
	WEND	02	1507	1512	1523	N14	W16	3581	02	1.4	16	SF			C	1512	31		.3	
0102	HTPR	02	1507	1512	1540	N13	W22	3581	02	1.0	33	SN			C	1512	40		.4	E
0103	HTPR	02	1531	1537	1541	S08	W23	3578	01	31.9	10	SF			C	1537	30		.3	
0104	HTPR	02	1534		1544	S14	W14	3576	02	1.6	10	SF			C	1536	20		.2	
0105		02	1552	1553	1610	S16	W18	3576	02	1.3	18	SN					65		.7	E
	BIGB	02	1552	1553	1614	S16	W16	3576	02	1.4	22	SN		2	C	1553	80		.9	
	HTPR	02	1556E		1605	S15	W19	3576	02	1.2	9D	SN			C	1556	50		.5	E
		02	1633		1647	No Flare Patrol														
0106	BIGB	02	1642	1645	1712	N12	W20	3581	02	1.2	30	SN		3	C	1645	110		1.2	
0107	BIGB	02	1759	1902	1923	S18	W25	3576	01	31.8	84	SN		3	C	1802	80		.9	
0108	BIGB	02	1820	1853	1930	S15	W59	3577	01	29.4	70	1B		3	C	1853	140		2.8	
0109	PALE	02	1949E	1949U	2004D	S14	W43	3578	01	30.7	15D	SF		1	C		50			
0110	PALE	02	2003E	2010U	2017D	S13	W24	3576	02	1.0	14D	SN		1	C		40			FH
0111		02	2030	20335	2111	S13	W10	3590	02	2.1	41	SB					110		1.2	
	CULG	02	2028U	2033	2119U	S13	W10	3590	02	2.1	51U	SB			C	2033	100		1.0	
	BIGB	02	2030	2038	2111	S13	W10	3590	02	2.1	41	SN		3	C	2038	120		1.3	
0112	BIGB	02	2030	2046	2111	S15	W59	3577	01	29.5	41	SN		3	C	2046	90		1.8	
0113	PALE	02	2043E	2044U	2117D	S10	E87	3594	02	9.4	34D	1B		1	C					Y
0114	PALE	02	2054E	2054U	2104D	S14	W29	3576	01	31.7	10D	SN		1	C		50			F
0115	PALE	02	2114E	2114U	2124D	S13	W23	3576	02	1.1	10D	1N		1	C		250			
0116		02	22191	22212	2316	S16	E08	3591	02	3.5	57	1B					190		2.0	F
	BIGB	02	2219	2221	2347	S17	E08	3591	02	3.5	88	SN		3	C	2221	180		1.9	
	CULG	02	2220	2223	2246	S16	E08	3591	02	3.5	26	1B			C	2223	200		2.0	F
0117	CULG	02	2344	2355	2418D	S12	W30	3576	01	31.7	34D	1F			P	2355	190		2.2	F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0118	BIGB	02	2350	2353	0028E	S13	E31	3588	02	5.3	38	1F		3	P	2353	200	2.4	
0119	LEAR	03	0002E	0009	0050	S20	E01	3583	02	3.1	48D	SN		3	C		125		F
0120	VORO	03	0009	0011	0020	S12	W31	3576	01	31.7	11	SN			C	0011	99	1.2	DJ
0121		03	00122	00141	0020	S15	W21	3576	02	1.4	8	SF					88	1.0	DJ
	CULG	03	0012	0014	0018	S16	W22	3576	02	1.3	6	SF			C	0014	60	.6	
	VORO	03	0014	0015	0021	S14	W20	3576	02	1.5	7	SF			C	0015	116	1.4	DJ
0122		03	01022	0106*	0329	S16	W30	3576	01	31.8	147	2B					617	8.4	EFIJKTUW
	MITK	03	0102	0116	0230	S17	W29	3576	01	31.8	88	2B				0116	500	6.0	FIKUW
	LEAR	03	0103E	0115	0446	S15	W29	3576	01	31.8	223D	SB		3	C		175		K
	CULG	03	0103	0125	0246	S16	W32	3576	01	31.6	103	2B			C	0125	760	9.1	JFI
	LEAR	03	0103E	0126U	0446	S15	W29	3576	01	31.8	223D	2B		3	C		550		UYK
	VORO	03	0104	0124	0240	S14	W32	3576	01	31.6	96	3B			C	0124	1254	14.7	EIJK
	MANI	03	0105E	0106	0158D	S17	W29	3576	01	31.8	53D	SN		1	V		80	1.0	F
	MANI	03	0105E	0118U	0158D	S17	W29	3576	01	31.8	53D	2B		1	V		520	6.2	F
	YUNN	03	0121E	0124	0140D	S15	W30	3576	01	31.8	19D	3B			P		1100	13.2	FZT
0123	PALE	03	0111E	0149U	0303D	S15	W27	3576	02	1.0	112D	2B		1	C		550		EF
0124		03	0113	01232	0142	N10	W24	3573	02	1.2	29	SN					154	1.8	F
	CULG	03	0113	0123	0143	N10	W26	3573	02	1.1	30	SF			C	0123	150	1.8	F
	YUNN	03	0121E	0125	0140	N10	W22	3573	02	1.4	19D	SN			P		157	1.8	
0125		03	0122E	0135U	0301D	S11	W39	3578	01	31.1	99D	SN					58	.6	
	PALE	03	0122E	0149U	0301D	S10	W40	3578	01	31.0	99D	SN		1	C		65		
	MANI	03	0135E	0135U	0158D	S12	W38	3578	01	31.2	23D	SN		1	V		50	.6	
0126	CULG	03	0226	0228	0234	S04	E43	3589	02	6.3	8	SF			C	0228	110	1.5	
0127		03	0416	04182	0450	N11	W27	3573	02	1.1	34	SN					118	1.1	F
	CULG	03	0416	0418	0432	N11	W28	3573	02	1.1	16	SF			C	0418	90	1.1	F
	LEAR	03	0416	0420	0507	N11	W26	3573	02	1.2	51	SN		3	C		147		F
0128	YUNN	03	0525	0540	0620	S06	E86	3594	02	9.7	55	SF			P				AG
0129		03	05351	0539*	0610	S12	W14	3576	02	2.2	35	SN					56	.6	DT
	CULG	03	0535	0539	0605	S12	W15	3576	02	2.1	30	SN			C	0539	60	.6	
	YUNN	03	0536	0541	0611	S12	W14	3576	02	2.2	35	SF			C		47	.5	DT
	TACH	03	0545E	0555	0615	S11	W14	3576	02	2.2	30D	SB			C	0555	62	.7	D
0130	MANI	03	0545E	0545U	0602D	S16	W09	3591	02	2.5	17D	SN		1	V		15	.2	
0131		03	06278	06325	0658	S16	W24	3576	02	1.4	31	SB	M 1.1				113	1.5	DEFT
	TACH	03	0627	0635	0644	S20	W23	3576	02	1.5	17	SB			C	0635	141	1.6	E
	LEAR	03	0629	0632	0700	S15	W26	3576	02	1.3	31	SB		3	C		58		F
	YUNN	03	0629E	0634	0649	S15	W25	3576	02	1.4	20D	SN	M 1.1		P		79	.9	DT
	ATHN	03	0635	0637	0720	S13	W22	3576	02	1.6	45	SN		2	V	0637	175	2.0	
0132		03	06341	0633*	0712	S12	W14	3576	02	2.2	38	SN					83	.9	DT
	MANI	03	0632E	0633	0639D	S13	W15	3576	02	2.1	7D	SN		1	V		60	.7	
	YUNN	03	0634	0640	0707	S12	W14	3576	02	2.2	33	SN			C		126	1.3	T
	TACH	03	0635	0648	0716	S11	W14	3576	02	2.2	41	SB			C	0648	62	.7	D
0133		03	07051	07053	0716	S13	W65	3577	01	29.5	11	SN					68	2.0	DE
	CATA	03	0705E	0705	0710	S14	W65	3577	01	29.5	5D	1		2	P	0705	84	2.0	
	LEAR	03	0705	0706	0716	S13	W64	3577	01	29.6	11	SB		3	C		35		E
	CULG	03	0705	0707	0711	S16	W67	3577	01	29.3	6	SF			C	0707	40		
	YUNN	03	0705	0708	0716	S13	W65	3577	01	29.5	11	1B			C		157	3.7	D
	TACH	03	0706	0706	0713	S13	W67	3577	01	29.3	7	1B			C	0706	53		D
	ATHN	03	0706	0708	0733	S13	W63	3577	01	29.6	27	SN		2	V	0708	80	1.7	
	MANI	03	0707E	0707U	0711D	S13	W63	3577	01	29.6	4D	SN		1	V		30	.6	
0134		03	08154	08204	0853	N12	W34	3581	01	31.8	38	SN					109	1.4	EF
	LEAR	03	0815	0822	0908	N12	W36	3581	01	31.6	53	SN		3	C		111		F
	KANZ	03	0816	0820	0901	N11	W37	3581	01	31.6	45	SN		2					
	WEND	03	0816E	0824	0829D	N15	W36	3581	01	31.6	13D	SN			C	0824	138	1.8	E
	YUNN	03	0817E	0821	0837	N13	W36	3581	01	31.6	20D	1N			P		157	2.1	
	ATHN	03	0819	0821	0845	N12	W29	3581	02	1.2	26	SB		2	V	0821	64	.8	
	MANI	03	0821E	0822	0832D	N12	W33	3581	01	31.9	11D	SN		1	V		75	1.0	F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0135		03	08312	08352	0850	S16	E03	3591	02	3.6	19	SN					189	2.0	FG
	KANZ	03	0831	0835	0851	S16	E03	3591	02	3.6	20	SN		2					
	YUNN	03	0833	0837	0848	S15	E03	3591	02	3.6	15	SN			C		189	2.0	FG
0136	YUNN	03	0841	0845	0847	S15	W32	3576	01	31.9	6	SN			C		79	1.0	D
0137	HTPR	03	0908		0911D	N09	W20	3579	02	1.9	3D	SF			C	0911	30	.3	E
0138	WEND	03	0909	0912	0914	N09	W13	3579	02	2.4	5	SF			C	0912	44	.5	
0139		03	0855*	09092	0938	S10	E89	3594	02	10.0	43	1N					128		
	CATA	03	0825E	0910	0940	S13	E90	3594	02	10.1	75D	2		2	P	0910	225		
	KANZ	03	0855	0909	0925	S11	E88	3594	02	10.0	30	SB		2					
	HTPR	03	0908E		0911D	S09	E90	3594	02	10.1	3D	SF			C	0911	30		
	ATHN	03	0909	0911	0949	S05	E89	3594	02	10.0	40	B		2	V	0911			
0140		03	09294	09339	1003	S06	E41	3589	02	6.5	34	SN					127	1.7	EF
	KANZ	03	0929	0933	1012	S06	E41	3589	02	6.5	43	SN		2					
	WEND	03	0929	0935	1006	S07	E42	3589	02	6.5	37	SN			C	0935	131	1.8	
	CATA	03	0930	0935	0945D	S07	E41	3589	02	6.5	15D	1		2	P	0935	197	2.7	
	ATHN	03	0931	0933	0954	S07	E43	3589	02	6.6	23	SB		2	V	0933	64	.9	
	YUNN	03	0933	0942	1001	S06	E40	3589	02	6.4	28	SN			C		94	1.3	F
	LEAR	03	0936E	0936U	1003	S06	E41	3589	02	6.5	27D	SB		3	C		149		FE
0141		03	09303	0930*	0952	N11	W29	3581	02	1.2	22	SN					60	.8	F
	CATA	03	0930	0930	0945D	N12	W29	3581	02	1.2	15D	S		2	P	0930	112	1.4	
	WEND	03	0930	0935	0941	N11	W29	3581	02	1.2	11	SF			C	0935	56	.7	
	KANZ	03	0933	0933	0949	N10	W31	3581	02	1.1	16	SN		2					
	YUNN	03	0933	0941	0954	N12	W29	3581	02	1.2	21	SN			C		31	.4	F
	LEAR	03	0936E	0936U	1002	N11	W28	3581	02	1.3	26D	SF		3	C		42		
0142	YUNN	03	0949	1001	1001D	S11	W45	3578	01	31.0	12D	SN			P		31	.5	D
0143	KANZ	03	1032	1039	1110	S06	E88	3594	02	10.0	38	SN		2					A
0144		03	1047	1050	1056	S14	W28	3576	02	1.3	9	SF					47	.6	D
	WEND	03	1047	1050	1056	S14	W26	3576	02	1.5	9	SF			C	1050	44	.5	
	KHAR	03	1050E	1050	1100D	S15	W29	3576	02	1.2	10D	SF			P	1050	50	.6	D
0145	ABST	03	1140E	1146	1155	N12	W41	3581	01	31.4	15D	SF			P	1146	87	1.2	D
0146		03	11496	11525	1214	S19	E07	3583	02	4.0	25	SN					68	.7	D
	ABST	03	1149	1152	1201D	S19	E07	3583	02	4.0	12D	SN			P	1152	87	.9	D
	KANZ	03	1153	1157	1213	S21	E07	3583	02	4.0	20	SN		2					
	ATHN	03	1155	1157	1214	S18	E08	3583	02	4.1	19	SN		2	V	1157	48	.5	
0147		03	1241	12441	1259	N14	E08	3592	02	4.1	18	SN					75	.8	
	WEND	03	1241	1244	1254	N14	E09	3592	02	4.2	13	SN			C	1244	75	.8	
	KANZ	03	1241	1245	1304	N14	E07	3592	02	4.0	23	SN		3					
0148	KANZ	03	1315	1323	1335	S06	E88	3594	02	10.1	20	SB		3					
0149	WEND	03	1319	1322	1328	N14	W78	3580	01	28.8	9	SN			C	1322	31		
0150	KANZ	03	1422	1425	1441	S06	E87	3594	02	10.1	19	SB		3					
		03	1545		1728	No Flare Patrol													
0151	BIGB	03	1649	1652	1727	S18	W22	3576	02	2.0	38	SB		3	C	1652	180	2.0	
0152	HOLL	03	1731	1921	2025	S07	E35	3589	02	6.3	174	SF		3	C		70		
0153	BIGB	03	1746	1753	1827	S12	E90	3594	02	10.5	41	1N		3	C	1753	100		
0154		03	1947*	2044	2109	S12	E90	3594	02	10.6	82	1B					110		Y
	HOLL	03	1947	2044	2200D	S11	E91	3594	02	10.7	133D	1B		3	C				Y
	BIGB	03	2039	2044	2109	S12	E90	3594	02	10.6	30	1N		3	C	2044	110		
0155	HOLL	03	1948	1952	1959	N12	W46	3573	01	31.3	11	SF		3	C		22		F
0156	HOLL	03	1956	1957	2001	S11	W32	3576	02	1.4	5	SN		3	C		44		F

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0157	HOLL	03	1958	2003	2033	S21	E05	3583	02	4.2	35	SF		3	C		71		F
0158		03	20051	20091	2014	S12	W29	3576	02	1.6	9	SN					48	.6	F
	CULG	03	2005	2009	2013	S11	W26	3576	02	1.9	8	SF			C	2009	60	.6	
	HOLL	03	2006	2010	2016	S13	W32	3576	02	1.4	10	SN		3	C		35		F
0159	HOLL	03	2011	2012	2020	N05	W20	3579	02	2.3	9	SF		3	C		21		
0160	HOLL	03	2031	2044	2202	S06	E34	3589	02	6.4	91	SN		3	C		139		
0161	HOLL	03	2038	2045	2048	S10	W50	3578	01	31.1	10	SF		3	C		20		
0162		03	2036*	2115*	2208	S14	W30	3576	02	1.6	92	1B					250	1.2	EF
	HOLL	03	2036	2115	2220	S14	W30	3576	02	1.6	104	1B		3	C		399		FE
	CULG	03	2127	2133	2157	S14	W29	3576	02	1.7	30	SN			C	2133	100	1.2	F
0163		03	21043	21154	2158	S13	W24	3576	02	2.1	54	SB					125	1.4	
	BIGB	03	2104	2119	2159	S12	W24	3576	02	2.1	55	SB		3	C	2119	130	1.5	
	CULG	03	2107	2115	2157	S14	W23	3576	02	2.1	50	SN			C	2115	120	1.3	
0164	CULG	03	2117	2131	2147	S05	E32	3589	02	6.3	30	1N			C	2131	190	2.2	
0165	HOLL	03	2234	2330	2351D	S11	E79	3594	02	9.9	77D	SF		3	C				
0166	PALE	03	2346E	2346U	0042D	S18	E00	3583	02	4.0	56D	SN		1	C		100		F
0167		04	00024	00046	0027	S20	E00	3583	02	4.0	25	SF					90	.9	DFJ
	CULG	04	0002	0004	0018	S20	W01	3583	02	3.9	16	SF			C	0004	90	.9	F
	VORO	04	0006	0010	0036	S19	E01	3583	02	4.1	30				C				DJ
0168		04	0038	00421	0051	S10	E84	3594	02	10.3	13	1N					172		ADJ
	VORO	04	0038E		0050D	S09	E90	3594	02	10.8	12D	2N			C	0044	278		DJ
	CULG	04	0038	0042	0051	S09	E84	3594	02	10.3	13	1F			C	0042	80		
	YUNN	04	0038	0044U	0044D	S11	E79	3594	02	10.0	6D	1B			P	0044	157		A
	MANI	04	0042E	0043	0046D	S10	E82	3594	02	10.2	4D	1B		1	V				
0169		04	02528	02556	0310	S16	W09	3583	02	3.4	18	SN					78	.8	E
	CULG	04	0252	0255	0313	S16	W10	3583	02	3.4	21	SN			C	0255	110	1.1	
	YUNN	04	0300	0301	0308	S16	W08	3583	02	3.5	8	SN			C		47	.5	E
0170	CULG	04	0254	0255	0257	S11	W55	3578	01	31.0	3	SF			C	0255	100	1.7	
0171		04	03282	03323	0346	S12	W57	3578	01	30.9	18	SF					67	1.2	DEF
	PEKG	04	0328	0332	0345	S11	W56	3578	01	31.0	17	SF			C	0332	84	1.5	E
	YUNN	04	0329	0335	0355	S12	W56	3578	01	31.0	26	SF			C		16	.3	D
	CULG	04	0330	0332	0339	S14	W59	3578	01	30.8	9	SF			C	0332	100	1.9	F
0172		04	0330	03312	0336	S13	W40	3576	02	1.1	6	SN					30	.4	D
	YUNN	04	0330	0331	0336	S13	W39	3576	02	1.2	6	SN			C		31	.4	D
	CULG	04	0330	0333	0335	S13	W42	3576	02	1.0	5	SF			C	0333	30	.4	
0173	YUNN	04	0346	0347	0349D	S17	W03	3583	02	3.9	3D	SF			P		31	.3	
0174		04	0423	0424	0434	N06	W24	3579	02	2.4	11	SN					48	.5	D
	CULG	04	0423	0424	0427	N05	W24	3579	02	2.4	4	SF			C	0424	50	.5	
	YUNN	04	0425E	0425U	0441	N07	W23	3579	02	2.5	16D	SN			P	0425	47	.5	D
0175		04	04272	04301	0438	S12	E00	3584	02	4.2	11	SN					46	.4	D
	YUNN	04	0427	0430	0441	S12	E01	3584	02	4.3	14	SN			C		31	.3	D
	CULG	04	0429	0431	0436	S12	E00	3584	02	4.2	7	SF			C	0431	60	.6	
0176	PEKG	04	0500	0510	0527	S19	W03	3583	02	4.0	27	SF			C	0510	59	.6	D
0177		04	05007	05075	0519	S12	W40	3576	02	1.2	19	SN					56	.7	E
	PEKG	04	0500	0510	0520	S11	W39	3576	02	1.3	20	SN			C	0510	71	.9	E
	CULG	04	0505	0507	0514	S13	W42	3576	02	1.0	9	SN			C	0507	30	.3	
	YUNN	04	0506	0509	0525	S12	W39	3576	02	1.3	19	SN			C		94	1.2	E
	CULG	04	0507	0512	0518	S12	W38	3576	02	1.3	11	SF			C	0512	30	.3	
0178		04	0501	05021	0508	S14	W36	3576	02	1.5	7	SN					60	.8	D
	CULG	04	0501	0502	0508	S15	W38	3576	02	1.3	7	SF			C	0502	40	.5	
	YUNN	04	0501	0503	0508	S14	W35	3576	02	1.6	7	SN			C		79	1.0	D

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0179	PEKG	04	0520	0532	0540	S13	W46	3576	01	31.7	20	SF			P	0532	55	.8	E
0180		04	0555*	06087	0639	S18	W03	3583	02	4.0	44	1N					251	2.6	EFJ
	PEKG	04	0555	0608	0645	S19	W03	3583	02	4.0	50	1N			C	0608	210	2.2	E
	ABST	04	0558E	0613	0640	S18	W04	3583	02	3.9	42D	SN			P	0613	174	1.8	E
	CULG	04	0602	0608	0641	S20	W04	3583	02	3.9	39	SB			C	0608	150	1.5	JF
	YUNN	04	0602	0613	0645	S18	W03	3583	02	4.0	43	1N			C		220	2.3	F
	TACH	04	0604	0615	0635	S18	W04	3583	02	3.9	31	2N			C	0615	619	6.6	E
	ABST	04	0610	0612	0630	S17	E01	3583	02	4.3	20	SF			C	0612	131	1.3	EJ
0181	ABST	04	0610	0612	0620	S10	E80	3594	02	10.3	10	1F			C	0612	131		EJV
0182	ABST	04	0611	0613	0613	S05	E29	3589	02	6.4	2	SN			C	0613	87	1.0	EJ
0183	ABST	04	0624	0626	0640	N13	W51	3581	01	31.4	16	SN			C	0626	87	1.6	D
0184		04	06332	06352	0642	S14	W38	3576	02	1.4	9	SN					57	.7	D
	PEKG	04	0633	0635	0640	S13	W38	3576	02	1.4	7	SN			C	0635	71	.9	D
	CULG	04	0633	0637	0642	S14	W38	3576	02	1.4	9	SF			C	0637	50	.6	
	YUNN	04	0635	0636	0641	S14	W39	3576	02	1.3	6	SN			C		63	.8	D
	TACH	04	0635	0636	0644	S14	W38	3576	02	1.4	9	SF			C	0636	44	.5	D
0185	ABST	04	0658	0700	0704	S08	W80	3577	01	29.4	6	1N			C	0700	87		AD
0186		04	08202	08251	0844	S19	W03	3583	02	4.1	24	SN					79	.8	
	YUNN	04	0820	0825	0841	S18	W03	3583	02	4.1	21	SN			P		79	.8	
	KANZ	04	0822	0826	0846	S20	W03	3583	02	4.1	24	SF		3					
0187		04	0825*	08342	0858	S16	W45	3576	01	31.9	33	SN					109	1.6	D
	CATA	04	0825	0835	0855	S18	W45	3576	01	31.9	30	1		2	C	0835	169	2.5	
	YUNN	04	0829	0836	0904	S17	W44	3576	02	1.0	35	SN			C		47	.7	D
	KANZ	04	0830	0834	0902	S17	W45	3576	01	31.9	32	SN		3					
	CATA	04	0835	0835	0850	S13	W47	3576	01	31.8	15	S		2	C	0835	112	1.7	
0188		04	08546	08546	0909	S15	W30	3576	02	2.1	15	SN					78	1.0	
	WEND	04	0852E		0905	S14	W30	3576	02	2.1	13D	SF			C	0852	38	.5	
	YUNN	04	0853E	0853U	0910	S14	W31	3576	02	2.0	17D	SN			P	0853	141	1.7	
	KANZ	04	0854	0854	0910	S17	W30	3576	02	2.1	16	SN		3					
	CATA	04	0900	0900	0910	S16	W31	3576	02	2.0	10	S		2	C	0900	56	.7	
0189		04	09202	09261	0945	S19	W05	3583	02	4.0	25	SF					94	1.2	DF
	YUNN	04	0920	0927	0933D	S20	W05	3583	02	4.0	13D	SN			P		79	.8	F
	KHAR	04	0922E		0929D	S17	W07	3583	02	3.8	7D	SF			P	0928	110	1.5	D
	KANZ	04	0922	0926	0945	S20	W04	3583	02	4.1	23	SF		3					
0190		04	09233	09258	0944	S11	W42	3576	02	1.2	21	SN					108	1.5	E
	KHAR	04	0923E	0925	0943D	S09	W44	3576	02	1.1	20D	SN			P	0925	130	1.9	
	WEND	04	0923	0933	0942	S12	W39	3576	02	1.4	19	SF			C	0933	63	.8	
	YUNN	04	0924E	0927	0933D	S12	W43	3576	02	1.1	9D	SF			P		126	1.8	E
	CATA	04	0925	0930	0930D	S12	W43	3576	02	1.1	5D	S		2	P	0930	112	1.6	
	KANZ	04	0926	0933	0945	S13	W43	3576	02	1.1	19	SN		3					
0191		04	1016*	10281	1053	S11	E78	3594	02	10.3	37	SN					25		H
	KANZ	04	1016	1028	1102	S10	E78	3594	02	10.3	46	SB		3					
	WEND	04	1027	1029	1044	S12	E76	3594	02	10.2	17	SF			C	1029	25		
	KHAR	04	1030E		1059D	S11	E80	3594	02	10.4	29D	SF			V	1032			H
0192		04	1115*	1118*	1139	S14	W31	3576	02	2.1	24	SF					64	.9	E
	WEND	04	1115	1120	1124	S12	W31	3576	02	2.1	9	SF			C	1120	25	.3	
	CATA	04	1115	1120	1135D	S14	W32	3576	02	2.0	20D	S		2	P	1120	112	1.4	
	MONT	04	1116	1118	1124	S13	W31	3576	02	2.1	8	SF			C	1118	50		E
	KANZ	04	1117	1139	1202	S16	W31	3576	02	2.1	45	SF		3					
	WEND	04	1139	1142	1147	S14	W31	3576	02	2.1	8	SN			C	1142	69	.9	
0193	KANZ	04	1139	1139	1221	S18	W06	3583	02	4.0	42	SF		3					
0194	KANZ	04	1254	1254	1301	S13	W45	3576	02	1.1	7	SF		3					
0195		04	13211	13343	1400	S16	W32	3576	02	2.1	39	SB					150	1.9	U
	KANZ	04	1321	1337	1401	S17	W33	3576	02	2.0	40	SB		2					U
	WEND	04	1322	1334	1400	S15	W31	3576	02	2.2	38	SN			C	1334	150	1.9	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0196		04	13263	13332	1358	S19	W07	3583	02	4.0	32	1B					450	4.9	I
	WEND	04	1326	1335	1352	S19	W07	3583	02	4.0	26	1N			C	1335	450	4.9	I
	KANZ	04	1329	1333	1405	S19	W07	3583	02	4.0	36	1B		2					
0197	WEND	04	1435	1439	1446	S13	E74	3594	02	10.2	11	SF			C	1439	19		
0198	WEND	04	1527	1530	1543	N07	W28	3579	02	2.5	16	SF			C	1530	63	.7	E
0199		04	1540	1543	1603	S12	W34	3576	02	2.1	23	1B					220	2.8	
	WEND	04	1540	1543	1558	S12	W34	3576	02	2.1	18	1B			C	1543	181	2.3	
	BIGB	04	1542E	1543	1608	S12	W34	3576	02	2.1	26D	1B		3	P	1543	260	3.2	
0200	BIGB	04	1850	1857	2023	S18	W51	3576	01	31.9	93	1B		3	C	1857	180	2.9	
0201		04	2038	20383	2101	S16	W44	3576	02	1.5	23	SB					100	1.4	
	CULG	04	2038	2038	2049	S17	W43	3576	02	1.6	11	SB			C	2038	80	1.1	
	BIGB	04	2038	2041	2113	S16	W44	3576	02	1.5	35	SN		3	C	2041	120	1.7	
0202	CULG	04	2142	2147	2201	N15	W21	3582	02	3.3	19	SF			C	2147	60	.7	F
0203	CULG	04	2228	2230	2235	N11	W47	3573	02	1.4	7	SF			C	2230	40	.6	
0204	MANI	05	0034E	0034U	0043D	N10	W50	3573	02	1.3	9D	SN		1	V		80	1.3	F
0205	PEKG	05	0110	0111	0114	S15	W39	3576	02	2.1	4	SN			C	0111	50	.7	D
0206	CULG	05	0124	0127	0135	S10	E71	3594	02	10.4	11	SF			C	0127	40		T
0207		05	01291	01306	0146	S15	W46	3576	02	1.6	17	SN					106	1.6	EJ
	CULG	05	0129	0130	0145	S16	W47	3576	02	1.5	16	SF			C	0130	60	.9	
	VORO	05	0129	0136	0147	S15	W46	3576	02	1.6	18	1F			C	0136	242	3.5	EJ
	PEKG	05	0130	0131	0140	S14	W46	3576	02	1.6	10	SB			P	0131	76	1.1	E
	YUNN	05	0137E	0138U	0150	S14	W46	3576	02	1.6	13D	SN			P	0138	47	.7	E
0208		05	01482	01521	0158	S12	E70	3594	02	10.3	10	SN					54	.9	DF
	CULG	05	0148	0152	0202	S10	E69	3594	02	10.2	14	1N			C	0152	110		F
	MANI	05	0149E	0149U	0152D	S12	E68	3594	02	10.2	3D	SN		1	V		40	.9	
	PEKG	05	0150	0152	0155	S12	E72	3594	02	10.5	5	SB			C	0152	34		D
	YUNN	05	0150	0153	0158	S12	E69	3594	02	10.3	8	SN			C		31		D
0209	YUNN	05	0153	0202	0220	N11	W80		01	30.1	27	SF			C				AG
0210		05	02061	02183	0241	S16	W41	3576	02	2.0	35	SN					84	1.1	EF
	PEKG	05	0206	0220	0250	S16	W41	3576	02	2.0	44	SN			C	0220	80	1.1	E
	CULG	05	0207	0221	0232	S18	W42	3576	02	1.9	25	SN			C	0221	70	.9	F
	YUNN	05	0209E	0218	0240	S16	W41	3576	02	2.0	31D	SB			P	0222	126	1.7	F
	MANI	05	0216E	0216U	0228D	S16	W41	3576	02	2.0	12D	SN		1	V		60	.8	F
0211	CULG	05	0212	0215	0222	S09	E69	3594	02	10.3	10	SF			C	0215	40		
0212		05	02249	02352	0250	N16	W23	3582	02	3.3	26	SN					198	2.4	F
	CULG	05	0224	0235	0254	N16	W24	3582	02	3.3	30	1N			C	0235	290	3.5	
	YUNN	05	0226	0235	0245D	N17	W22	3582	02	3.4	19D	SN			P		157	1.9	
	PEKG	05	0233	0237	0245	N16	W23	3582	02	3.4	12	SN			C	0237	147	1.8	F
0213		05	02421	02465	0259	S17	W15	3583	02	4.0	17	SN					77	.8	EFJ
	CULG	05	0242	0246	0303	S17	W15	3583	02	4.0	21	SF			C	0246	100	1.1	FJ
	YUNN	05	0243	0245U	0245D	S17	W14	3583	02	4.0	2D	SN			P	0245	47	.5	
	PEKG	05	0251E	0251	0255	S18	W15	3583	02	4.0	4D	SN			P	0251	84	.9	E
0214	PEKG	05	0250E	0251	0254	S07	W57	3578	01	31.8	4D	SN			P	0251	29	.6	D
0215		05	0315E	0317	0323	S15	W48	3576	02	1.5	8D	SN					31	.5	DE
	YUNN	05	0315E	0317	0325	S15	W47	3576	02	1.6	10D	SN			P		47	.7	E
	CULG	05	0316E	0316U	0324	S16	W49	3576	02	1.4	8D	SF			P	0316	20	.3	
	PEKG	05	0317E	0317	0320	S15	W48	3576	02	1.5	3D	SN			P	0317	25	.4	D
0216		05	0315E	03161	0321	S11	E68	3594	02	10.2	6D	1F					70		EF
	YUNN	05	0315E	0316	0323	S10	E66	3594	02	10.1	8D	1F			P		79		E
	CULG	05	0316E	0316	0322	S10	E69	3594	02	10.3	6D	1N			P	0316	80		F
	PEKG	05	0317E	0317	0319	S12	E68	3594	02	10.2	2D	SF			P	0317	50		E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement			Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0217	CULG	05	0407	0409	0413	S09	E68	3594	02	10.3	6	SF			P	0409	40				
0218		05	04461	04481	0456	N16	W30	3582	02	2.9	10	SN					36	.4	D		
	PEKG	05	0446	0449	0500	N17	W29	3582	02	3.0	14	SN			C	0449	42	.5	D		
	CULG	05	0447	0448	0453	N16	W31	3582	02	2.8	6	SF			C	0448	30	.4			
0219		05	04505	0500	0525	N16	W26	3582	02	3.2	35	1N					146	1.8	EF		
	PEKG	05	0450	0500	0525	N16	W24	3582	02	3.4	35	1N			C	0500	193	2.4	E		
	CULG	05	0455	0501U	0509D	N15	W27	3582	02	3.2	14D	SF			P	0501	100	1.2	F		
0220	PEKG	05	0454E	0454	0459	S12	E65	3594	02	10.1	5D	SF			P	0454	17	.4	D		
0221	PEKG	05	0500	0505	0510	S07	E69	3594	02	10.4	10	SF			C	0505	55		E		
0222	PEKG	05	0506	0507	0540	S02	E90	3598	02	11.9	34	2B			C	0507			A		
0223		05	06053	06091	0613	S12	E66	3594	02	10.2	8	SB					52	1.5	D		
	PEKG	05	0605	0610	0615	S13	E64	3594	02	10.1	10	SB			C	0610	63	1.5	D		
	CULG	05	0608	0609	0611	S10	E68	3594	02	10.4	3	SB			C	0609	40				
0224	PEKG	05	0606	0610	0612	S14	W49	3576	02	1.5	6	SF			P	0610	63	1.0	E		
0225	CULG	05	0633	0633	0636D	S10	E67	3594	02	10.3	3D	SN			P	0633	30	.7			
0226	PEKG	05	0740E	0740	0750	S13	E66	3594	02	10.3	10D	SN			C	0740	55		E		
0227		05	09023	09069	0948	S15	W43	3576	02	2.1	46	1B					286	3.4			
	KANZ	05	0902	0906	0950	S17	W44	3576	02	2.0	48	1B			3						
	MONT	05	0902	0907	0944	S15	W43	3576	02	2.1	42	1B			C	0907	400				
	WEND	05	0904	0907	0953	S14	W44	3576	02	2.0	49	1B			C	0907	288	4.3			
	BUCA	05	0905		0945	S15	W43	3576	02	2.1	40	1B			V						
	CATA	05	0915E	0915	0925D	S16	W44	3576	02	2.0	10D	1			2	P	0915	169	2.4		
0228		05	09073	09101	0920	S06	E73	3603	02	10.8	13	SF					50		D		
	MONT	05	0907	0911	0919	S06	E74	3603	02	10.9	12	SF			C	0911	50		D		
	KANZ	05	0910	0910	0922	S06	E72	3603	02	10.8	12	SF			3						
0229	HTPR	05	0941		1010	S14	W45	3576	02	2.0	29	SB			C	0945	30	.4			
0230		05	09563	10013	1018	N10	W56	3573	02	1.2	22	SF					51	.8	E		
	HTPR	05	0956	1002	1013	N09	W57	3573	02	1.1	17	SF			C	1002	20	.4			
	KANZ	05	0957	1001	1020	N09	W56	3573	02	1.2	23	SN			3						
	MONT	05	0959	1003	1014	N10	W56	3573	02	1.2	15	SF			C	1003	70		E		
	WEND	05	0959	1004	1023	N11	W55	3573	02	1.3	24	SF			C	1004	63	1.1			
0231	HTPR	05	1000	1004	1035	N11	W61	3573	01	31.8	35	SF			C	1004	30	.6			
0232		05	10452	10471	1054	S07	E75	3603	02	11.1	9	SB					82				
	MONT	05	1045	1047	1050	S06	E74	3603	02	11.0	5	SN			C	1047	70				
	HTPR	05	1046	1048	1052	S05	E80	3603	02	11.4	6	1B			C	1048	100				
	WEND	05	1046	1048	1054	S10	E75	3603	02	11.1	8	SN			C	1048	75				
	KANZ	05	1047	1047	1059	S07	E72	3603	02	10.8	12	SB			3						
0233		05	10513	10572	1121	S12	E64	3594	02	10.3	30	SN					104	1.8			
	KANZ	05	1051	1059	1142	S10	E62	3594	02	10.1	51	SN			3						
	WEND	05	1052	1058	1117	S13	E62	3594	02	10.1	25	SN			C	1058	81	1.8			
	MONT	05	1053	1057	1104	S13	E64	3594	02	10.3	11	SN			C	1057	150				
	HTPR	05	1054	1058	1120	S11	E70	3594	02	10.7	26	SF			C	1058	80	1.9			
0234		05	10551	10572	1108	S18	E48	3593	02	9.1	13	SN					39	.6	E		
	KANZ	05	1055	1059	1110	S18	E49	3593	02	9.2	15	SN			3						
	HTPR	05	1056	1057	1110	S19	E50	3593	02	9.3	14	SN			C	1057	40	.7	E		
	WEND	05	1056	1058	1104	S18	E44	3593	02	8.8	8	SF			C	1058	38	.6			
0235	HTPR	05	1127	1129	1147	S19	W23	3583	02	3.7	20	SF			C	1129	20	.2			
0236		05	11504	1154	1204	S06	E78	3603	02	11.3	14	SN					30				
	KANZ	05	1150	1154	1210	S07	E75	3603	02	11.1	20	SN			3						
	HTPR	05	1154	1154	1157	S05	E80	3603	02	11.5	3	SF			C	1154	30				
0237		05	1152*	1159*	1320	S19	W22	3583	02	3.8	88	1N					224	2.5	EK		
	WEND	05	1152	1201	1220	S19	W21	3583	02	3.9	28	SF			C	1201	138	1.6			
	HTPR	05	1153	1159	1345	S19	W23	3583	02	3.7	112	1N			C	1230	250	2.7	EK		
	KANZ	05	1154	1242	1350	S19	W21	3583	02	3.9	116	1N									
	CATA	05	1155E	1200	1205D	S19	W21	3583	02	3.9	10D	1			3	P	1200	225	2.5		
	WEND	05	1225	1234	1324	S18	W23	3583	02	3.8	59	1N			2	C	1234	281	3.3		

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0238	LVOV	05	1203	1208	1229	S05	W23	3595	02	3.8	26	1F			C	1208	200	2.3	E
0239		05	13007	13044	1322	S06	E63	3594	02	10.2	22	SN					20	.4	
	KANZ	05	1300	1304	1331	S04	E64	3594	02	10.3	31	SB		3					
	HTPR	05	1307	1308	1312	S07	E62	3594	02	10.2	5	SF			C	1308	20	.4	
0240	HTPR	05	1304	1310	1314	S15	W48	3576	02	1.9	.10	SF			C	1310	20	.3	
0241	HTPR	05	1305	1317	1328	S06	E69	3594	02	10.7	23	SF			C	1317	10	.2	
0242	WEND	05	1310	1312	1322	N16	W25	3592	02	3.6	12	SF			C	1312	56	.7	
0243	HTPR	05	1310	1313	1345	N16	W61	3573	01	31.9	35	SB			C	1313	80	1.6	E
0244	KANZ	05	1311	1315	1327	N14	W31	3582	02	3.2	16	SF		3					
0245	HTPR	05	1409		1436D	S18	W58	3576	02	1.2	27D	SF			C	1421	20	.4	E
0246	HTPR	05	1414		1436D	N15	W23	3592	02	3.8	22D	SF			C	1416	20	.2	E
0247	HTPR	05	1441		1453	S13	W48	3576	02	2.0	12	SF			C	1448	30	.5	
0248	WEND	05	1454	1456	1506	N11	W44	3590A	02	2.3	12	SF			C	1456	75	1.1	
0249	HTPR	05	1526		1531D	N16	W23	3592	02	3.9	5D	SF			C	1531	20	.2	
0250	BIGB	05	1751	1756	1812	S07	E75	3603	02	11.4	21	1N		2	C	1756	90		
		05	1816		1828	No Flare Patrol													
		05	1855		1910	No Flare Patrol													
		05	1925		2027	No Flare Patrol													
0251	CULG	05	2210	2210	2219	S06	W31	3595	02	3.6	9	SF			C	2210	20	.2	
0252	CULG	05	2300	2315	2322	S05	E55	3594	02	10.1	22	SN			C	2315	50	.8	
0253	CULG	05	2331	2333	2335	S07	E67	3603	02	11.0	4	SF			C	2333	40		
0254	CULG	05	2339	2344	2347	S08	E54	3594	02	10.0	8	SF			C	2344	30	.5	
0255	CULG	05	2346	2350	2354	S18	W12	3587	02	5.1	8	SF			C	2350	40	.4	
0256		06	00016	00026	0007	S10	E56	3594	02	10.2	6	SN					50	.8	
	CULG	06	0001	0002	0004	S09	E56	3594	02	10.2	3	SB			C	0002	60	1.0	
	CULG	06	0007	0008	0010	S10	E55	3594	02	10.1	3	SF			C	0008	40	.6	
0257	CULG	06	0114	0118	0127	S17	W25	3583	02	4.1	13	SN			C	0118	60	.6	
0258	CULG	06	0118	0121	0124	S24	W09	3587	02	5.3	6	SF			C	0121	80	.9	
0259		06	01191	01242	0143	S09	E67	3603	02	11.1	24	SF					61	.4	D
	CULG	06	0119	0124	0136	S08	E67	3603	02	11.1	17	1F			C	0124	80		
	PEKG	06	0120	0126	0150	S10	E67	3603	02	11.1	30	SF			P	0126	84		D
	MANI	06	0125E	0125U	0131D	S10	E67	3603	02	11.1	6D	SF		1	V		20	.4	
0260		06	01311	0134	0142	S10	E53	3594	02	10.0	11	SF					45	.7	D
	CULG	06	0131	0134	0136D	S09	E53	3594	02	10.0	5D	SF			P	0134	40	.6	
	PEKG	06	0132	0134	0142	S11	E53	3594	02	10.0	10	SF			P	0134	50	.8	D
0261		06	0215	0218U	0245	S17	W32	3583	02	3.7	30	SN					68	.8	D
	PEKG	06	0215	0224U	0245	S16	W32	3583	02	3.7	30	SF			C	0224	97	1.2	D
	CULG	06	0218E	0218U	0221D	S18	W33	3583	02	3.6	3D	SN			P	0218	40	.5	
0262		06	0318E	03188	0325	S08	E66	3603	02	11.1	7D	SN					52		DE
	PURP	06	0318E	0318	0325	S08	E66	3603	02	11.1	7D	SN			P	0318	40		D
	PEKG	06	0325E	0326	0337D	S07	E67	3603	02	11.2	12D	SN			P	0326	63		E
0263	PEKG	06	0358	0359	0400	S12	E52	3594	02	10.1	2	SN			C	0359	59	1.0	D
0264	PEKG	06	0418	0421	0429	S12	E52	3594	02	10.1	11	SF			C	0421	67	1.1	E

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0265		06	0425	0427	0438	S06	W32	3595	02	3.8	13	SF					103	1.2	DK
	PEKG	06	0425	0427	0438	S07	W31	3595	02	3.9	13	SF		C	0427		105	1.2	DK
	PEKG	06	0425	0434	0438	S04	W34	3595	02	3.6	13	SF		C	0434		101	1.2	D
0266		06	0430	0427	0443	S07	E52	3594	02	10.1	13	SF					84	1.4	DEK
	PEKG	06	0427E	0427	0440	S07	E51	3594	02	10.0	13D	SF		P	0427		113	1.9	EK
	PEKG	06	0427E	0434	0440	S07	E52	3594	02	10.1	13D	SN		P	0434		46	.8	D
	PURP	06	0430	0432	0448	S07	E52	3594	02	10.1	18	SF		C	0432		92	1.5	E
0267	PEKG	06	0505	0510	0517D	S09	E66	3603	02	11.2	12D	SN		P	0510		63		D
0268	MANI	06	0526E	0526U	0530D	S12	E52	3594	02	10.1	4D	SF		1	V		50	.8	
0269	ATHN	06	0600E	0605	0614	S13	E53	3594	02	10.2	14D	SB		3	V	0605	80	1.3	
0270	CULG	06	0733	0736	0741	N13	W34	3592	02	3.7	8	SF			C	0736	120	1.5	F
0271		06	07453	0750	0810	S19	W66	3576	02	1.3	25	1F					105	1.6	
	CATA	06	0745	0750	0825D	S19	W66	3576	02	1.3	40D	1		2	C	0750	140		
	CULG	06	0748	0750	0810	S19	W66	3576	02	1.3	22	SF			C	0750	70	1.6	
0272	CULG	06	0815	0817	0821	S13	E58	3594	02	10.7	6	SF			C	0817	80	1.5	
0273	CATA	06	0830	0835	0855	S12	W90	3578	01	30.7	25	1		2	C	0835	68		
0274	CATA	06	0835	0840	0850	S19	W16	3587	02	5.1	15	S		2	C	0840	112	1.2	
0275		06	10082	1010	1035	N15	W42	3582	02	3.2	27	SN					80	1.1	E
	HTPR	06	1008		1023D	N16	W43	3582	02	3.2	15D	SN			C	1011	80	1.1	E
	KANZ	06	1010	1010	1035	N14	W41	3582	02	3.3	25	SN		3					
0276		06	11014	11091	1125	S10	E62	3603	02	11.1	24	SB					84	1.8	
	KANZ	06	1101	1109	1125	S09	E62	3603	02	11.1	24	SB		3					
	CATA	06	1105	1110	1125	S10	E61	3603	02	11.0	20	S		2	C	1110	84	1.8	
0277	ATHN	06	1110E	1113	1130D	S12	E68	3597	02	11.6	20D	1B		2	V	1113	127	3.6	
0278	KANZ	06	1204	1204	1214	S06	W52	3595	02	2.6	10	SN		3					
0279	KANZ	06	1226	1226	1234	S12	W43	3584	02	3.3	8	SN		3					
0280	KANZ	06	1230	1230	1243	N09	W56	3579	02	2.3	13	SF		3					
0281	CATA	06	1230	1230	1245D	S12	E42	3594	02	9.7	15D	S		2	P	1230	112	1.6	
0282	KANZ	06	1302	1302	1310D	S06	W40	3595	02	3.5	8D	SN		3					
		06	1326		1330	No Flare Patrol													
		06	1341		1344	No Flare Patrol													
		06	1401		1404	No Flare Patrol													
		06	1408		1425	No Flare Patrol													
0283	RAMY	06	1442	1534	1539D	S11	E48	3594	02	10.2	57D	2B		3	C		419		EF
0284		06	1720*	1731*	1852	S12	E43	3594	02	10.0	92	1B					206	1.3	EF
	RAMY	06	1720	1731	1848	S12	E46	3594	02	10.2	88	1B		3	C		311		FE
	BIGB	06	1817	1819	1857	S13	E40	3594	02	9.8	40	SN		3	C	1819	100	1.3	
		06	1731		1758	No Flare Patrol													
0285	RAMY	06	1750	1752	1833	S13	W61	3576	02	2.1	43	SF		3	C		15		
0286	BIGB	06	1753	1757	1820	S07	E60	3603	02	11.2	27	1N		3	C	1757	140	2.9	
		06	1818		1831	No Flare Patrol													
0287	PALE	06	1840E	1840U	1922D	S12	E39	3594	02	9.7	42D	SB		2	C		75		F
		06	1909		1914	No Flare Patrol													
0288		06	1928*	19502	2059	S14	E39	3594	02	9.7	91	SB					118	1.6	
	RAMY	06	1928	1950	1951D	S14	E38	3594	02	9.7	23D	SB		3	C		117		
	BIGB	06	1948	1952	2059	S13	E40	3594	02	9.8	71	SN		3	C	1953	120	1.6	

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0289	PALE	06	1929E	1929U	1929D	S08	E56	3603	02	11.0	71D	SN		2	C		60		F
0290	PALE	06	1931E	1931U	1931D	S18	W39	3583	02	3.8	71D	SF		2	C		35		
		06	2015		2028			No Flare Patrol											
0291		06	20505	20564	2145	S17	W64	3576	02	2.0	55	1N					238	3.0	FJ
	RAMY	06	2050	2100	2122D	S15	W63	3576	02	2.1	32D	2B		3	C		453		
	BIGB	06	2051	2057	2157	S16	W64	3576	02	2.0	66	1N		3	C	2057	160	3.7	
	CULG	06	2055	2056	2133	S19	W66	3576	02	1.8	38	1N			C	2056	100	2.4	JF
0292		06	20508	21001	2118	S12	E38	3594	02	9.7	28	1B					232	2.8	
	RAMY	06	2050	2101	2122	S14	E38	3594	02	9.7	32	1B		3	C		244		
	CULG	06	2058	2100	2113	S11	E38	3594	02	9.7	15	1B			C	2100	220	2.8	
0293	CULG	06	2205	2205	2208	S12	E38	3594	02	9.8	3	SN			C	2205	60	.7	
0294	CULG	06	2240	2242	2245	S11	E38	3594	02	9.8	5	SN			C	2242	120	1.5	
0295		06	2333	2341	2350	S12	E36	3594	02	9.7	17	SF					150	1.9	BD
	VORO	06	2333E		2349	S13	E36	3594	02	9.7	16D	SF			C	2341	161	2.0	BD
	CULG	06	2333	2341	2350	S11	E37	3594	02	9.8	17	SF			C	2341	140	1.8	
0296		06	23512	2356	0032	S16	W88	3578	01	31.3	41	3B					642		EFH1K
	CULG	06	2351	2357U	2429	S17	W86	3578	01	31.4	38	2B			C	2357	200		F
	VORO	06	2353	2356	0036	S16	W90	3578	01	31.2	43	3B			C	2356	1084		EH1K
0297		07	00302	00332	0054	S12	E37	3594	02	9.8	24	SN					192	2.4	EFK
	VORO	07	0030	0033	0057	S13	E36	3594	02	9.7	27	1N			C	0033	233	2.9	EK
	CULG	07	0030	0034	0053	S11	E37	3594	02	9.8	23	SB			C	0034	150	1.9	F
	MITK	07	0032	0035	0052	S12	E37	3594	02	9.8	20	SN			C	0035			E
0298		07	0105	01131	0127	S22	W38	3583	02	4.1	22	1N					180	2.4	F
	CULG	07	0105	0113	0124D	S22	W38	3583	02	4.1	19D	SN			P	0113	140	1.8	F
	YUNN	07	0107E	0114	0127	S21	W38	3583	02	4.1	20D	1F			P		220	2.9	
0299	YUNN	07	0107E	0114	0127	S07	W45	3595	02	3.7	20D	SN			P		31	.5	D
0300	CULG	07	0118	0120	0121	S22	W33	3583	02	4.5	3	SF			C	0120	40	.4	
0301		07	0207	02125	0258	S21	W38	3583	02	4.2	51	1B					191	2.5	F
	CULG	07	0207	0212	0300	S22	W40	3583	02	4.0	53	SN			P	0212	130	1.7	F
	YUNN	07	0207	0217	0256	S20	W37	3583	02	4.2	49	1B			C		252	3.3	F
0302		07	03203	0326	0344	S14	W67	3576	02	2.1	24	1F					122	2.2	
	CULG	07	0320	0326	0345	S15	W69	3576	02	1.9	25	1F			C	0326	150		
	YUNN	07	0323	0326	0343	S13	W65	3576	02	2.2	20	1F			C		94	2.2	
0303	YUNN	07	0332E	0334	0350	S19	E34	3599	02	9.7	18D	SN			P		79	1.0	D
0304		07	03393	0343	0346	S08	W48	3595	02	3.5	7	SN					36	.6	
	YUNN	07	0339	0343U	0347	S06	W48	3595	02	3.5	8	SF			P	0343	31	.5	
	CULG	07	0342	0343	0345	S09	W49	3595	02	3.5	3	SN			C	0343	40	.6	
0305		07	03474	0353*	0411	S21	W39	3583	02	4.2	24	SN					94	1.3	EFK
	CULG	07	0347	0353	0413	S24	W40	3583	02	4.1	26	SF			C	0353	140	1.9	F
	YUNN	07	0351	0353U	0353D	S21	W38	3583	02	4.2	2D	SN			P	0353	110	1.5	F
	YUNN	07	0358E	0358	0358D	S20	W39	3583	02	4.2	2D	SN			C		110	1.5	E
	YUNN	07	0404E	0404	0409	S19	W40	3583	02	4.1	5D	SN			C		16	.2	K
0306	YUNN	07	0354	0358	0403	S05	W43	3595	02	3.9	9	SN			C		63	.9	
0307		07	04486	0452*	0536	S14	E34	3599	02	9.8	48	SN					131	1.6	EJW
	CULG	07	0448	0452	0539	S14	E35	3599	02	9.8	51	SB			P	0452	40	.5	JW
	YUNN	07	0452E	0511	0530	S14	E34	3599	02	9.8	38D	SN			P	0513	126	1.6	
	PEKG	07	0454	0505	0540	S14	E33	3599	02	9.7	46	1N			P	0505	227	2.8	E
0308		07	0500	05115	0551	S18	W44	3583	02	3.8	51	1N					150	2.2	EFKU
	PEKG	07	0500	0511	0551	S18	W43	3583	02	3.9	51	1N			P	0511	206	2.9	FKU
	YUNN	07	0512E	0516	0516D	S18	W44	3583	02	3.9	4D	SN			P		94	1.4	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0309		07	0500*	05434	0558	S22	W40	3583	02	4.1	58	1N					158	2.2	EFIK
	PEKG	07	0500	0544	0551	S20	W42	3583	02	4.0	51	1N			P	0544	252	3.6	F
	CULG	07	0525	0543	0606	S23	W41	3583	02	4.1	41	1N			P	0543	160	2.2	FIK
	MITK	07	0542	0547	0554	S21	W40	3583	02	4.2	12	SF			C	0547			E
	YUNN	07	0545E	0545	0600	S22	W39	3583	02	4.2	15D	SN			C		63	.8	FK
0310	CULG	07	0543	0545	0549	S08	E33	3594	02	9.7	6	SF			C	0545	80	1.0	
0311		07	0744*	07557	0826	S12	E33	3594	02	9.8	42	1B					211	2.6	EFJ
	ISTA	07	0744		0824	S14	E34	3594	02	9.9	40	SN							E
	CATA	07	0750	0755	0805D	S13	E33	3594	02	9.8	15D	1		2	P	0755	225	2.8	
	BUCA	07	0750	0758	0823	S13	E33	3594	02	9.8	33	1N			C	0758	215	2.6	E
	CULG	07	0752	0758	0826	S11	E32	3594	02	9.7	34	SB			C	0758	160	1.9	FJ
	ATHN	07	0758	0802	0827	S11	E32	3594	02	9.7	29	SB		3	V	0802	95	1.2	
	YUNN	07	0803E	0807U	0831	S13	E33	3594	02	9.8	28D	1B			P	0807	362	4.4	F
0312	ATHN	07	0826	0826	0831	N12	W48	3592	02	3.7	5	SN		3	V	0826	64	.9	
0313		07	09181	0923	0936	S16	W78	3576	02	1.5	18	1N					50		D
	HTPR	07	0918	0923	0933	S15	W80	3576	02	1.3	15	SF			C	0923	20		
	YUNN	07	0919	0923U	0939	S16	W76	3576	02	1.6	20	1N			P	0923	79		D
0314	HTPR	07	1024	1026	1031	N14	W49	3592	02	3.7	7	SF			C	1026	40	.6	E
0315	HTPR	07	1038	1043	1055	S13	E41	3594	02	10.5	17	SB			C	1043	70	.9	E
0316	HTPR	07	1115	1120	1130	S06	E38	3594	02	10.3	15	SF			C	1120	30	.4	
0317		07	11391	11402	1147	S22	W43	3583	02	4.2	8	SN					106	1.5	EL
	KANZ	07	1139	1141	1149	S23	W42	3583	02	4.2	10	SN		2					L
	CATA	07	1140	1140	1145	S23	W43	3583	02	4.2	5	S		2	C	1140	112	1.6	
	HTPR	07	1140	1142	1147	S21	W44	3583	02	4.1	7	SN			C	1142	100	1.4	E
0318		07	12302	1236	1244	N14	W49	3592	02	3.8	14	SF					20	.3	
	HTPR	07	1230	1236	1245	N15	W51	3592	02	3.6	15	SF			C	1236	20	.3	
	KANZ	07	1232	1236	1243	N13	W47	3592	02	4.0	11	SF		2					
0319	KANZ	07	1250	1254	1331	S11	E37	3594	02	10.3	41	SN		3					
0320		07	12513	1255*	1333	S15	W75	3576	02	1.8	42	1B					108	2.5	
	HTPR	07	1251	1304	1337	S14	W71	3576	02	2.2	46	1B			C	1304	120		
	ATHN	07	1253	1255	1334	S15	W78	3576	02	1.6	41	1B		3	V	1255	95	2.5	
	KANZ	07	1254	1305	1328	S16	W76	3576	02	1.8	34	SB		3					
0321		07	1339	13415	1359	S12	E31	3594	02	9.9	20	SN					80	.9	E
	HTPR	07	1339	1341	1400	S13	E32	3594	02	10.0	21	SN			C	1341	80	.9	E
	KANZ	07	1339	1346	1358	S12	E30	3594	02	9.8	19	SN		3					
0322	HTPR	07	1423	1424	1430	S13	E31	3594	02	9.9	7	SF			C	1424	20	.2	
0323	HTPR	07	1444	1448	1454	S13	E31	3594	02	9.9	10	SF			C	1448	60	.7	E
		07	1939		1948	No Flare Patrol													
		07	1955		1958	No Flare Patrol													
0324	CULG	07	2051	2104	2130D	S13	E26	3594	02	9.8	39D	1B			P	2104	300	3.3	F
0325	CULG	07	2249	2253	2256	S12	E19	3594	02	9.4	7	SF			C	2253	120	1.3	
0326	CULG	07	2338E	2338U	2343	S09	E72	3601	02	13.4	5D	SF			P	2338	40		
0327		08	0028	0119*	0222D	S11	E31	3594	02	10.3	114D	1N					217	3.1	EFK
	LEAR	08	0028	0119	0222D	S11	E32	3594	02	10.4	114D	SN		3	C		91		K
	LEAR	08	0028	0149	0222D	S11	E32	3594	02	10.4	114D	1B		3	C		300		FEK
	PEKG	08	0110E	0119U	0200D	S11	E29	3594	02	10.2	50D	1N			P	0119	260	3.1	F
0328		08	0029	0033*	0105	S13	E22	3594	02	9.7	36	SN					90	1.0	EK
	CULG	08	0029	0033	0105	S12	E24	3594	02	9.8	36	SB			C	0033	60	.6	
	PEKG	08	0039E	0039	0104D	S13	E22	3594	02	9.7	25D	SN			P	0039	97	1.1	EK
	PEKG	08	0039E	0057	0104D	S13	E21	3594	02	9.6	25D	SN			P	0057	113	1.2	E

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0329		08	01423	01481	0203	S07	E31	3594	02	10.4	21	1B					244	2.9	EFJ
	CULG	08	0142	0148	0208	S07	E31	3594	02	10.4	26	1B			C	0148	220	2.6	F
	VORO	08	0145	0148	0203	S06	E30	3594	02	10.3	18	1N			C	0148	323	3.8	EJ
	YUNN	08	0147E	0149	0159	S08	E31	3594	02	10.4	12D	1B			P		189	2.3	F
0330		08	0149	0151	0210	N04	E37		02	10.8	21	1F					104	1.4	EFG
	CULG	08	0149	0151	0201U	N06	E38		02	10.9	12U	1F			C	0151	160	2.1	F
	YUNN	08	0149	0151	0210	N03	E36		02	10.8	21	SF			C		47	.6	EG
0331		08	02356	02421	0251	S08	E27	3594	02	10.1	16	1B					286	3.3	EFJU
	LEAR	08	0235	0243	0251	S09	E27	3594	02	10.1	16	1B		3	C		257		UF
	CULG	08	0239	0243	0252	S06	E28	3594	02	10.2	13	1B			C	0243	250	2.7	
	PEKG	08	0240	0243U	0249D	S07	E27	3594	02	10.1	9D	1B			P	0243	359	4.2	F
	VORO	08	0241	0242	0251	S08	E27	3594	02	10.1	10	1B			C	0242	278	3.1	EJ
0332	LEAR	08	0333	0333	0342	S09	E26	3594	02	10.1	9	SF		3	C		43		H
0333		08	0426	0427	0426	S12	E28	3594	02	10.3	9	SN					38	.4	D
	PEKG	08	0418E	0418U	0421	S11	E28	3594	02	10.3	3D	SN			P	0418	42	.5	D
	PEKG	08	0426	0427	0432	S12	E28	3594	02	10.3	6	SN			C	0427	34	.4	D
0334		08	05184	05198	0526	S10	E16	3594	02	9.4	8	SN					30	.3	D
	PEKG	08	0518	0519	0522	S10	E16	3594	02	9.4	4	SF			P	0519	21	.2	D
	CULG	08	0522	0527	0530	S11	E16	3594	02	9.4	8	SN			C	0527	40	.4	
0335		08	0605E	0605*	0620	S04	W62	3595	02	3.6	15D	SF					48	1.0	DEK
	PEKG	08	0605E	0605	0620	S04	W62	3595	02	3.6	15D	SF			P	0605	42	.9	DK
	PEKG	08	0605E	0618	0620	S04	W62	3595	02	3.6	15D	SF			P	0618	55	1.2	E
0336		08	06465	06561	0701	S06	E23	3594	02	10.0	15	SN					175	1.9	EJKLT
	ISTA	08	0646		0701	S06	E21	3594	02	9.8	15	1N							E
	ABST	08	0647	0656	0700	S04	E24	3594	02	10.1	13	SF			C	0656	174	1.9	EJL
	PEKG	08	0651	0656	0702	S07	E24	3594	02	10.1	11	SB			C	0656	181	2.0	ET
	CULG	08	0652E	0657	0701	S06	E24	3594	02	10.1	9D	SB			P	0657	170	1.8	K
0337	ABST	08	0647	0652	0700	S13	E18	3594	02	9.6	13	SF			C	0652	87	.9	DJ
0338	ABST	08	0654	0656	0705	S12	E28	3594	02	10.4	11	SF			C	0656	87	.9	D
0339	ATHN	08	0658	0701	0706	S08	E24	3594	02	10.1	8	SN		3	V	0701	95	1.1	
0340		08	07123	07145	0722	S06	E23	3594	02	10.0	10	SN					142	1.5	EFK
	CULG	08	0712	0714	0721	S06	E24	3594	02	10.1	9	SB			C	0714	150	1.6	F
	ABST	08	0712	0714	0724	S04	E24	3594	02	10.1	12	SF			C	0714	174	1.9	EK
	ISTA	08	0715		0720	S06	E21	3594	02	9.9	5	1N							E
	PEKG	08	0717E	0719	0722	S07	E23	3594	02	10.0	5D	SN			P	0719	101	1.1	E
0341	ABST	08	0744	0746	0800	N11	E90	3606	02	15.1	16	1N			C	0746	87		AD
0342	ISTA	08	0754		0759	N18	E85	3602	02	14.8	5	SF							A
0343		08	07569	08064	0820	S06	E23	3594	02	10.0	24	1B					217	2.4	EF
	ISTA	08	0756		0817	S06	E21	3594	02	9.9	21	1B							F
	ATHN	08	0804	0807	0828	S08	E24	3594	02	10.1	24	SB		3	V	0807	143	1.6	
	CULG	08	0805	0807	0818	S06	E24	3594	02	10.1	13	SB			C	0807	120	1.3	
	CATA	08	0805E	0807	0820	S07	E23	3594	02	10.0	15D	1		2	P	0807	225	2.5	
	ABST	08	0806E	0806	0816D	S04	E24	3594	02	10.1	10D	SN			P	0806	174	1.9	E
	YUNN	08	0808E	0810	0819	S06	E23	3594	02	10.1	11D	1N			P		424	4.8	F
0344		08	08132	0814	0824	S06	E39	3603	02	11.3	11	SF					112	1.4	EJ
	YUNN	08	0813	0815U	0819D	S05	E39	3603	02	11.2	6D	SN			P	0815	94	1.2	
	ABST	08	0814E	0814	0816D	S05	E39	3603	02	11.3	2D	SF			P	0814	131	1.6	EJ
	ISTA	08	0815		0824	S08	E40	3603	02	11.3	9	SF							E
0345	ISTA	08	0822		0827	S11	E15	3594	02	9.5	5	SF							D
0346	LEAR	08	0955	0958	1007	S05	W63	3595	02	3.7	12	SF		3	C		22		F
0347		08	1028	1020*	1048	S12	E22	3594	02	10.1	20	SB					161	1.8	
	CATA	08	1015E	1020	1025D	S11	E23	3594	02	10.1	10D	S		2	P	1020	169	1.9	
	ATHN	08	1028	1030	1048	S12	E21	3594	02	10.0	20	SB		3	V	1030	153	1.7	

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0348		08	1204	1223*	1316D	N15	W88	3576	02	1.8	72D	1B					47		K
	RAMY	08	1204	1223	1316D	N15	W88	3576	02	1.8	72D	SN		3	C		47		K
	RAMY	08	1204	1251	1316D	N15	W88	3576	02	1.8	72D	1B		3	C				K
0349	ATHN	08	1250	1252	1319	S13	W88	3576	02	1.9	29	1B X	1.4	3	V	1252	111		
		08	1401		1407			No Flare Patrol											
		08	1417		2003			No Flare Patrol											
0350		08	2016	20237	2040	S07	E29	3603	02	11.0	24	1N					304	2.4	F
	CULG	08	2016	2023	2040	S06	E28	3603	02	10.9	24	1F			C	2023	210	2.3	F
	RAMY	08	2016	2027	2052D	S08	E28	3603	02	10.9	36D	2B		3	C		492		
	BIGB	08	2030E	2030	2049D	S06	E30	3603	02	11.1	19D	1N		2	P	2030	210	2.5	
0351	CULG	08	2121	2122	2127	S04	E21	3594	02	10.4	6	SN			C	2122	40	.4	W
0352		09	00431	00466	0103	S06	E15	3594	02	10.1	20	SB					167	1.7	EJK
	PEKG	09	0043	0046	0101	S07	E16	3594	02	10.2	18	SB			C	0046	189	2.0	E
	VORO	09	0044	0052	0101	S06	E16	3594	02	10.2	17	1B			C	0052	233	2.4	EJ
	CULG	09	0045E	0046U	0106	S06	E14	3594	02	10.1	21D	SN			P	0046	80	.8	EK
0353	CULG	09	0053	0055	0100	N10	E44	3598B	02	12.3	7	SF			C	0055	40	.6	
0354	PEKG	09	0107	0110	0111	S13	E11	3594	02	9.9	4	SN			C	0110	109	1.2	E
0355		09	01071	01111	0124	S03	E17	3594	02	10.3	17	SN C	3.7				80	.9	DEJ
	PEKG	09	0107	0111	0121	S07	E18	3594	02	10.4	14	SB C	3.7		C	0111	160	1.7	E
	VORO	09	0108	0111	0130	S03	E18	3594	02	10.4	22	SN			C	0111	90	1.0	DJ
	CULG	09	0110E	0112	0122	N02	E16	3594	02	10.2	12D	SN			P	0112	50	.6	D
	MANI	09	0119E	0119U	0125D	S05	E16	3594	02	10.2	6D	SN		1	V		20	.2	
0356		09	0140	01429	0208	S09	E16	3594	02	10.3	28	SN C	3.7				134	1.4	EFIJU
	PEKG	09	0140	0142	0202	S11	E16	3594	02	10.3	22	1N			C	0142	227	2.4	EU
	CULG	09	0140	0151	0213	S05	E17	3594	02	10.3	33	SN			C	0151	140	1.4	FIJ
	MANI	09	0143E	0145U	0153D	S11	E16	3594	02	10.3	10D	SN C	3.7	1	V		35	.4	F
0357		09	0336	03393	0402	S12	E05	3594	02	9.5	26	1B M	2.5				362	3.8	EFIJU
	PEKG	09	0336E	0341	0359	S12	E04	3594	02	9.4	23D	2N			P	0341	505	5.2	F
	CULG	09	0336	0341	0410	S10	E05	3594	02	9.5	34	1B M	2.5		C	0341	220	2.2	J
	MITK	09	0336	0342	0409	S13	E04	3594	02	9.4	33	1N			C	0342	450	4.7	EI
	MANI	09	0338E	0339	0352	S13	E06	3594	02	9.6	14D	1B		1	V		275	2.9	FU
0358		09	0423	0438	0529	S14	W90	3576	02	2.4	66	1B					62		AE
	PEKG	09	0410E	0438	0529	S12	W90	3576	02	2.4	79D	1B			C	0438	105		AE
	CULG	09	0423	0430U	0445U	S17	W90	3576	02	2.3	22U	SN			P	0430	20		
0359	CULG	09	0451	0454U	0501	N01	E12		02	10.1	10	SN			P	0454	40	.4	
0360	CULG	09	0557	0558	0606	N06	E22	3598	02	10.9	9	SF			C	0558	30	.3	
0361		09	06349	06365	0648	S06	E14	3594	02	10.3	14	SN					38	.4	DEJKT
	ISTA	09	0634		0651	S06	E14	3594	02	10.3	17	SF							D
	CULG	09	0634	0636	0643	S07	E11	3594	02	10.1	9	SF			C	0636	30	.3	J
	PEKG	09	0641E	0641	0704D	S05	E15	3594	02	10.4	23D	SN			P	0641	46	.5	DKT
	ISTA	09	0643		0650	S07	E14	3594	02	10.3	7	SN							E
0362	PEKG	09	0641E	0703	0704D	S06	E13	3594	02	10.2	23D	SF			P	0703	126	1.3	E
0363	ISTA	09	0656		0709	S12	E12	3603	02	10.2	13	SN							E
0364		09	0700*	0702*	0726	S06	E12	3594	02	10.2	26	SN					139	1.4	EFJK
	ISTA	09	0700		0708	S07	E11	3594	02	10.1	8	SN							E
	CULG	09	0701	0702	0708	S07	E10	3594	02	10.0	7	SN			C	0702	40	.4	E
	ABST	09	0710	0713	0725D	S05	E13	3594	02	10.3	15D	SN			P	0713	174	1.8	FJ
	ISTA	09	0711	0712	0727	S07	E11	3594	02	10.1	16	1B							F
	CULG	09	0711	0712	0735	S07	E09	3594	02	10.0	24	SB			C	0712	150	1.5	EKJ
	PEKG	09	0712	0713	0738	S06	E12	3594	02	10.2	26	1F			C	0713	244	2.6	FK
	PEKG	09	0712	0725	0738	S06	E11	3594	02	10.1	26	SF			C	0725	168	1.8	E
	MANI	09	0716E	0718U	0728D	S05	E15	3594	02	10.4	12D	SN		1	V		60	.6	F
0365	ATHN	09	0714	0715	0740	S12	E20	3603	02	10.8	26	1B M	1.0	2	V	0715	255	2.8	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0366		09	08069	08127	0823	S12	W00	3594	02	9.3	17	SN	C 4.1				63	.6	EJ
	ABST	09	0806	0812	0825	S12	W01	3594	02	9.3	19	SN			C	0812	131	1.3	EJ
	ISTA	09	0807		0822	S12	E00	3594	02	9.3	15	SN							E
	PEKG	09	0807E	0812	0822	S12	E00	3594	02	9.3	15D	SF			P	0812	42	.4	E
	KANZ	09	0810	0814	0825	S12	E01	3594	02	9.4	15	SN		2					
	CULG	09	0811	0813U	0826U	S11	W01	3594	02	9.3	15U	SN			P	0813	30	.3	
	ATHN	09	0815	0819	0821	S12	E00	3594	02	9.3	6	SN	C 4.1	2	V	0819	48	.5	
0367	KHAR	09	0914		0925D	S12	W01	3594	02	9.3	11D	SF			V	0916			D
0368	ATHN	09	0927	0928	0931	S17	W70	3583	02	4.1	4	SN		2	V	0928	32	1.0	
0369	KHAR	09	0929E	0929	0940D	N20	W80	3582	02	3.3	11D	SF			P	0929			EH
0370		09	10431	10474	1114	S05	E24	3603	02	11.2	31	SF					30	.3	
	KANZ	09	1043	1050	1112	S05	E24	3603	02	11.2	29	SN		2					
	HTPR	09	1044	1047	1117	S05	E24	3603	02	11.2	33	SF			C	1047	30	.3	
	KHAR	09	1051E	1051	1058D	S04	E24	3603	02	11.2	7D	SF			V	1051			
0371		09	11031	11112	1132	S12	W01	3594	02	9.4	29	1N					483	5.6	E
	KHAR	09	1102E	1111	1148D	S12	W01	3594	02	9.4	46D	1N			P	1111	400	4.1	E
	HTPR	09	1103	1113	1130	S12	W01	3594	02	9.4	27	2N			C	1113	700	7.0	E
	KANZ	09	1104	1112	1134	S13	W00	3594	02	9.5	30	1N		2					
	MONT	09	1106E	1112	1112D	S13	W01	3594	02	9.4	6D	1B			C	1112	350		
0372		09	11261	11255	1145	S07	W48	3589	02	5.9	19	SF					35	.6	E
	KHAR	09	1125E	1125	1142D	S07	W48	3589	02	5.9	17D	SF			P	1125	50	.8	E
	HTPR	09	1126	1128	1146	S06	W49	3589	02	5.8	20	SF			C	1128	20	.3	
	KANZ	09	1127	1130	1144	S09	W48	3589	02	5.9	17	SF		2					
0373		09	1158*	12103	1243	S12	E12	3594	02	10.4	45	SF					45	.4	
	HTPR	09	1158	1210	1255	S12	E11	3594	02	10.3	57	SF			C	1210	40	.4	
	KHAR	09	1205E		1228D	S11	E13	3594	02	10.5	23D	SF			P	1205	50	.5	
	KANZ	09	1209	1213	1231	S12	E13	3594	02	10.5	22	SF		2					
0374	HTPR	09	1230	1237	1247	S09	E13	3594	02	10.5	17	SF			C	1237	30	.3	
0375	HTPR	09	1330	1342	1403	S05	E20	3603	02	11.0	33	SN			C	1342	20	.2	
0376	HTPR	09	1355	1356	1410	S10	E06	3594	02	10.0	15	SF			C	1356	20	.2	
0377		09	1355	13566	1420	S12	E11	3594	02	10.4	25	SN					40	.4	E
	HTPR	09	1355	1356	1423	S12	E11	3594	02	10.4	28	SN			C	1356	40	.4	E
	KANZ	09	1355	1402	1417	S12	E11	3594	02	10.4	22	SN		2					
0378		09	14011	1409	1423	N11	W83	3582	02	3.3	22	SN					30		A
	HTPR	09	1401	1409	1425	N13	W87	3582	02	3.0	24	SF			C	1409	30		
	KANZ	09	1402	1409	1421	N09	W79	3592	02	3.6	19	SN		2					A
0379	KANZ	09	1413	1417	1447	S06	W05	3594	02	9.2	34	SF		2					
0380	BIGB	09	1631	1636	1651	S12	E02	3594	02	9.8	20	SF		2	C	1636	70	.7	
0381		10	00523	01008	0156	N17	E54	3602	02	14.1	64	2B	M 3.8				784	14.6	FJUZ
	MITK	10	0052	0100	0200	N15	E55	3602	02	14.2	68	2B			C	0100	420	8.5	FU
	VORO	10	0055	0102	0150	N18	E54	3602	02	14.1	55	4N			C	0102	1415	25.6	J
	MANI	10	0056E	0105	0127D	N16	E54	3602	02	14.1	31D	3B	M 3.8	1	V		700	13.0	ZU
	PEKG	10	0057E	0101	0140	N17	E54	3602	02	14.1	43D	2B			C	0101	568	11.5	U
	PALE	10	0103E	0103U	0137D	N18	E56	3602	02	14.3	34D	3B		2	C		860		ZU
	LEAR	10	0104E	0108	0215	N16	E54	3602	02	14.1	71D	2B		3	C		740		ZU
0382		10	0027*	02282	0237	S14	E01	3594	02	10.1	130	1N					203	2.4	EFJ
	PURP	10	0027	0228	0234	S14	E01	3594	02	10.1	127	SN			C	0228	92	1.0	
	MITK	10	0227	0228	0237	S14	E01	3594	02	10.2	10	1N			C	0228	200	2.1	E
	VORO	10	0227	0230	0240	S14	E00	3594	02	10.1	13	1N			C	0230	394	4.0	EJ
	LEAR	10	0228	0228	0238	S14	E01	3594	02	10.2	10	SB		3	C		127		FE
0383	LEAR	10	0308	0309	0323	S20	W83	3583	02	3.8	15	SN		3	C				F
0384	PEKG	10	0515	0523	0535	S10	E32	3600	02	12.6	20	SN			P	0523	29	.4	D

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0385		10	08043	08093	0820	S11	W08	3593B	02	9.7	16	SN					62		F
	KANZ	10	0804	0812	0823	S10	W10	3593B	02	9.6	19	SF		3					
	LEAR	10	0807	0809	0816	S12	W05	3593B	02	10.0	9	SN		3	C		62		F
0386		10	0840*	08503	0902	S11	W08	3593B	02	9.7	22	SN					138	1.4	EF
	UPIC	10	0840	0850U	0900	S11	W07	3593B	02	9.8	20	SF		P		0850	143		E
	WEND	10	0846	0852	0859	S12	W07	3593B	02	9.8	13	SF		C		0852	50	.5	
	LEAR	10	0846	0852	0900	S11	W08	3593B	02	9.8	14	SN		3	C		135		F
	KANZ	10	0847	0851	0907	S11	W08	3593B	02	9.8	20	SN		3					
	HTPR	10	0850E		0905	S11	W08	3593B	02	9.8	15D	SN		C		0851	180	1.8	E
	CATA	10	0850	0850	0905	S12	W07	3593B	02	9.8	15	S		2	C	0850	169	1.8	
	MONT	10	0853E	0853	0858	S11	W10	3593B	02	9.6	5D	SN		C		0853	150		
0387	HTPR	10	0918	0925	1005	S09	E04	3594	02	10.7	47	SN			C	0925	100	1.0	
0388		10	09423	09433	0958	S10	E15	3603	02	11.5	16	SN					106	1.0	DE
	HTPR	10	0942	0945	0957	S10	E15	3603	02	11.5	15	SB		C		0945	160	1.6	E
	MONT	10	0942	0945	0959	S10	E15	3603	02	11.5	17	SN		C		0945	70		D
	KANZ	10	0942	0946	0959	S10	E15	3603	02	11.5	17	SB		3					
	KHAR	10	0943E	0943	0953D	S10	E14	3603	02	11.4	10D	SN		P		0943	110	1.2	
	WEND	10	0943	0945	0957	S11	E16	3603	02	11.6	14	SN		C		0945	44	.5	
	LEAR	10	0943	0946	1001	S11	E14	3603	02	11.4	18	SN		3	C		165		
	CATA	10	0945	0945	0945D	S11	E14	3603	02	11.4	18D	S		2	P	0945	84	.9	
0389	HTPR	10	1047	1050	1140	S04	W02	3594	02	10.3	53	SF			C	1050	20	.2	
0390		10	11148	1122	1125	S10	E14	3603	02	11.5	11	SF					50	.5	
	HTPR	10	1114	1122	1124	S10	E14	3603	02	11.5	10	SF		C		1122	50	.5	
	KANZ	10	1122	1122	1126	S11	E14	3603	02	11.5	4	SF		3					
0391	KANZ	10	1144	1148	1155	S11	E13	3603	02	11.5	11	SF		3					
0392	RAMY	10	1157E	1222	1243	S20	W08	3599	02	9.9	46D	SF		3	C		62		
0393	RAMY	10	1208	1239	1500	S11	W11	3593B	02	9.7	172	SN		3	C		49		K
0394	HTPR	10	1212		1214D	S07	E11	3603	02	11.3	2D	SF			C	1213	40	.4	
0395	HTPR	10	1248	1248	1251	S14	E38	3601	02	13.4	3	SF			C	1248	50	.6	
0396		10	1250*	1259*	1334	S09	E00	3594	02	10.5	44	SN					126	1.5	E
	UPIC	10	1250	1305	1315	S11	E01	3594	02	10.6	25	SF		P		1305	102		
	HTPR	10	1256	1259	1410	S09	E01	3594	02	10.6	74	SN		C		1259	150	1.5	E
	KANZ	10	1313	1313	1317	S07	W02	3594	02	10.4	4	SN		3					
0397	HTPR	10	1253	1253	1258	S07	E12	3603	02	11.4	5	SN			C	1253	30	.3	
0398	HTPR	10	1305	1313	1315	S14	E38	3601	02	13.4	10	SF			C	1313	40	.5	
0399		10	1311*	1313*	1333	S08	E12	3603	02	11.4	22	SN					65	.6	
	HTPR	10	1311	1313	1326	S07	E12	3603	02	11.4	15	SF		C		1313	80	.8	
	HTPR	10	1334	1337	1340	S08	E12	3603	02	11.5	6	SN		C		1337	50	.5	
0400		10	1312*	13258	1336	S11	E12	3603	02	11.4	24	SN					56	.6	E
	HTPR	10	1312	1325	1327	S10	E13	3603	02	11.5	15	SN		C		1325	110	1.1	E
	WEND	10	1325	1325	1327	S11	E13	3603	02	11.5	2	SF		C		1325	25	.3	
	RAMY	10	1325	1325	1342	S12	E12	3603	02	11.5	17	SN		3	C		57		
	KANZ	10	1325	1325	1344	S11	E12	3603	02	11.5	19	SN		3					
	HTPR	10	1332	1333	1342	S10	E13	3603	02	11.5	10	SF		C		1333	30	.3	
0401		10	1329	13311	1338	S14	E38	3601	02	13.4	9	SF					50	.6	
	HTPR	10	1329	1331	1335	S14	E38	3601	02	13.4	6	SF		C		1331	50	.6	
	KANZ	10	1329	1332	1340	S14	E37	3601	02	13.3	11	SF		3					
0402	HTPR	10	1339	1344	1358	S10	W15	3593B	02	9.4	19	SF			C	1344	20	.2	
0403		10	1208*	14124	1441	S11	W10	3593B	02	9.7	153	SN					127	1.4	EK
	RAMY	10	1208	1412	1500	S11	W11	3593B	02	9.7	172	SN		3	C		121		K
	HTPR	10	1407	1415	1445	S12	W11	3593B	02	9.7	38	SB		C		1415	180	1.8	E
	KANZ	10	1411	1415	1431	S11	W10	3593B	02	9.8	20	SN		3					
	WEND	10	1413	1416	1428	S10	W10	3593B	02	9.8	15	SF		C		1416	81	.9	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0404	HTPR	10	1412	1413	1430	S18	W05	3599	02	10.2	18	SF			C	1413	30	.3	
0405	HTPR	10	1428	1433	1450	S09	W01	3594	02	10.5	22	SF			C	1433	30	.3	
0406	RAMY	10	1511	1603	1613	S09	W13	3594	02	9.6	62	SF		3	C		26		
0407	HTPR	10	1512	1516	1520	S07	E09	3603	02	11.3	8	SF			C	1516	30	.3	
0408	HTPR	10	1523	1526	1529	S10	E10	3603	02	11.4	6	SF			C	1526	30	.3	E
0409	HTPR	10	1529	1534	1543	S14	E06	3597	02	11.1	14	SF			C	1534	20	.2	
0410		10	16002	16031	1627	S10	E10	3603	02	11.4	27	SN					84	.6	E
	RAMY	10	1600	1604	1627	S12	E10	3603	02	11.4	27	SB		3	C		133		
	HOLL	10	1602	1603	1619D	S11	E10	3603	02	11.4	17D	SB		3	C		83		
	HTPR	10	1606E		1613D	S07	E10	3603	02	11.4	7D	SF			C	1609	60	.6	E
	HTPR	10	1606E		1613D	S10	E11	3603	02	11.5	7D	SF			C	1606	60	.6	E
0411	RAMY	10	1603	1604	1610	S15	E10	3597	02	11.4	7	SN		3	C		75		
0412	RAMY	10	1610	1611	1615	S20	W10	3599	02	9.9	5	SF		3	C		22		
0413	RAMY	10	1648	1654	1704	S10	W02	3594	02	10.5	16	SN		3	C		46		
0414	RAMY	10	1711	1713	1721	S08	E08	3603	02	11.3	10	SF		3	C		28		
0415	RAMY	10	1748	1749	1805	S11	W11	3594	02	9.9	17	SF		3	C		46		
0416	RAMY	10	1818	1827	1836	S09	W14	3594	02	9.7	18	SF		3	C		45		
0417		10	1816*	18536	2010	S13	W13	3593B	02	9.8	114	2B					517		EF
	HOLL	10	1816	1859	2029	S14	W12	3593B	02	9.8	133	2B		3	C		551		E
	RAMY	10	1839	1853	1951	S12	W13	3593B	02	9.8	72	2B		3	C		699		FE
	PALE	10	1853E	1853U	1909D	S12	W13	3593B	02	9.8	16D	1B		1	C		300		FE
0418	RAMY	10	1838	1839	1845	S11	E32	3601	02	13.2	7	SF		3	C		22		
0419	HOLL	10	1847	1848	1901	S07	W64	3589	02	6.0	14	SF		3	C		25		
0420	RAMY	10	1850	1854	1921	S19	W15	3599	02	9.6	31	SF		3	C		64		
0421		10	18511	1853	1904	S13	E02	3603	02	10.9	13	SN					38		
	HOLL	10	1851	1853	1902	S13	E03	3603	02	11.0	11	SN		3	C		41		
	RAMY	10	1852	1853	1905	S13	E02	3603	02	10.9	13	SN		3	C		36		
0422	RAMY	10	1912	1913	1922	S08	E07	3603	02	11.3	10	SN		3	C		46		
0423		10	2000	20021	2021	S11	E08	3603	02	11.4	21	1B					426	3.2	EFH
	HOLL	10	2000	2002	2026	S12	E09	3603	02	11.5	26	1B		3	C		469		EH
	RAMY	10	2000	2003	2022	S13	E08	3603	02	11.4	22	2B		3	C		517		FE
	CULG	10	2001E	2001E	2016	S07	E09	3603	02	11.5	15D	1B			P	2001	320	3.2	
	PALE	10	2001E	2001U	2018D	S11	E08	3603	02	11.4	17D	1B		1	C		400		FE
0424		10	20051	20253	2123	S20	W73	3587	02	5.2	78	SF					82		
	RAMY	10	2005	2028	2032D	S18	W71	3587	02	5.4	27D	SF		3	C		65		
	HOLL	10	2006	2025	2123	S19	W73	3587	02	5.3	77	SF		3	C				
	PALE	10	2028E	2028U	2128D	S22	W75	3587	02	5.1	60D	SN		1	C		100		
0425	RAMY	10	2015	2022	2029	S11	W13	3594	02	9.9	14	SF		3	C		41		
0426	CULG	10	2108	2110U	2119U	S15	W06	3594	02	10.4	11U	SF			P	2110	50	.5	EI
0427	HOLL	10	2116	2117	2132	S08	E06	3603	02	11.3	16	SN		3	C		48		
0428		10	21501	2154	2206	S06	E06	3603	02	11.3	16	SN					60	.4	J
	HOLL	10	2150	2154	2209	S08	E06	3603	02	11.3	19	SB		3	C		80		
	CULG	10	2151	2154	2203	S04	E05	3603	02	11.3	12	SF			C	2154	40	.4	J
0429	HOLL	10	2214	2217	2236	S13	W09	3594	02	10.2	22	SB		3	C		159		E
0430		10	23233	23307	2356	S07	E03	3603	02	11.2	33	1N					230	2.7	FJ
	CULG	10	2323	2328U	2345D	S06	E02	3603	02	11.1	22D	SN			P	2328	90	.9	J
	VORO	10	2326	2330	2346	S06	E03	3603	02	11.2	20	1N			C	2330	439	4.5	J
	LEAR	10	2333E	2337	0008	S07	E02	3603	02	11.1	35D	1N		2	C		217		F
	HOLL	10	2340E	2340U	2355	S08	E06	3603	02	11.4	15D	SN		3	C		175		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0431	CULG	11	0002	0006	0012	S13	W11	3594	02	10.2	10	SN	C 4.2		C	0006	50	.5	
0432		11	00505	00561	0116	S07	E04	3603	02	11.3	26	SB	C 5.2				160	1.6	EJK
	PEKG	11	0050	0056	0110D	S08	E04	3603	02	11.3	20D	SB		P		0056	122	1.2	E
	CULG	11	0054	0057	0115	S06	E03	3603	02	11.3	21	SN	C 5.2	C		0057	80	.8	J
	VORO	11	0055	0057	0116	S08	E04	3603	02	11.3	21	1B		C		0057	278	2.8	EJK
0433	PEKG	11	0056E	0056	0059D	S10	W07	3594	02	10.5	3D	SF		P		0056	29	.3	E
0434	CULG	11	0140	0143	0150	S05	E03	3603	02	11.3	10	SF		C		0143	60	.6	J
0435	CULG	11	0238	0246	0257	S04	E01	3603	02	11.2	19	SF		C		0246	60	.6	
0436	CULG	11	0347	0349	0357	S06	W01	3603	02	11.1	10	SF	C 2.0	C		0349	40	.4	J
0437	CULG	11	0414	0420	0449	S07	E00	3603	02	11.2	35	SN		C		0420	70	.7	JKT
0438	CULG	11	0502	0507	0516	S07	E17	3600	02	12.5	14	SF		C		0507	30	.3	
0439		11	0619	06221	0634	S09	W06	3594	02	10.8	15	1N					166	1.7	FJ
	ABST	11	0619	0622	0635	S13	W05	3594	02	10.9	16	1N		C		0622	261	2.7	FJ
	CULG	11	0619	0623	0633	S05	W07	3594	02	10.7	14	SF		C		0623	70	.7	
0440	ABST	11	0629	0631	0635	N17	E38	3602	02	14.1	6	SF		C		0631	87	1.3	D
0441	ABST	11	0631	0632	0640	S10	E01	3603	02	11.3	9	SN		C		0632	87	.9	DV
0442	ABST	11	0636	0639	0645	S12	W15	3594	02	10.1	9	SN		C		0639	131	1.3	E
0443	CULG	11	0638	0640	0643	S08	W16	3594	02	10.1	5	SF		C		0640	40	.4	
0444		11	0644*	0659	0704	S10	E02	3603	02	11.4	20	SN					58	.6	DJK
	CULG	11	0644	0659	0703	S11	E02	3603	02	11.4	19	SF		C		0659	30	.3	KJ
	ABST	11	0657	0659	0705	S10	E01	3603	02	11.4	8	SN		C		0659	87	.9	D
0445	ABST	11	0657	0659	0705	N02	E80	3607	02	17.3	8	1F		C		0659	87		D
0446		11	07011	0704	0716	S10	W15	3594	02	10.2	15	SN					112	1.2	DE
	CULG	11	0701	0704	0717	S07	W15	3594	02	10.2	16	SF		C		0704	50	.5	E
	ABST	11	0702	0704	0715	S13	W15	3594	02	10.2	13	SN		C		0704	174	1.8	D
0447		11	0730	07301	0737	S13	W14	3594	02	10.2	7	SN	C 3.1				83	.9	DV
	CATA	11	0730	0730	0740	S14	W14	3594	02	10.2	10	SF	C 3.1	2	C	0730	112	1.2	
	CULG	11	0730	0731	0734	S14	W15	3594	02	10.2	4	SF	C 3.1		C	0731	50	.5	
	ABST	11	0730	0731	0735	S11	W14	3594	02	10.2	5	SN	C 3.1		C	0731	87	.9	DV
	KANZ	11	0731E	0731	0739	S14	W14	3594	02	10.2	8D	SN	C 3.1	3					
0448		11	07346	07382	0750	S11	E01	3603	02	11.4	16	SN	C 2.8				60	.6	DEHK
	CULG	11	0734	0739	0748	S11	E02	3603	02	11.5	14	SN		C		0739	40	.4	
	ABST	11	0735	0738	0750	S10	E01	3603	02	11.4	15	SN	C 2.8		C	0738	87	.9	DHK
	KANZ	11	0736	0739	0749	S12	E01	3603	02	11.4	13	SN	C 2.8	1					
	PEKG	11	0736	0740	0743	S11	E01	3603	02	11.4	7	SF	C 2.8		C	0740	76	.8	E
	CATA	11	0740	0740	0755	S12	E01	3603	02	11.4	15	S	C 2.8	2	C	0740	56	.6	H
	HTPR	11	0744E		0756	S11	E01	3603	02	11.4	12D	SN	C 2.8		C	0745	40	.4	
0449		11	08181	0819	0824	S14	W14	3594	02	10.3	6	SN					20	.2	
	HTPR	11	0818	0819	0824	S13	W15	3594	02	10.2	6	SN		C		0819	20	.2	
	KANZ	11	0819	0819	0823	S14	W14	3594	02	10.3	4	SN			2				
0450	HTPR	11	0844	0848	0922	S09	W10	3594	02	10.6	38	SF		C		0848	60	.6	
0451	HTPR	11	0907	0908	0912	S15	W17	3594	02	10.1	5	SF		C		0908	20	.2	
0452		11	09161	09191	0926	S08	W01	3603	02	11.3	10	SF					30	.3	E
	KANZ	11	0916	0920	0926	S08	W01	3603	02	11.3	10	SF			2				
	HTPR	11	0917	0919	0925	S07	W01	3603	02	11.3	8	SF		C		0919	30	.3	E
0453	KANZ	11	0920	0920	0926	S15	E28	3601	02	13.5	6	SF			2				
0454		11	09317	09384	0959	S15	W16	3594	02	10.2	28	SF					35	.4	
	HTPR	11	0931	0942	1002	S15	W15	3594	02	10.3	31	SF		C		0942	30	.3	
	HTPR	11	0933	0939	0947	S15	W17	3594	02	10.1	14	SF		C		0939	40	.4	
	KANZ	11	0938	0938	1009	S16	W16	3594	02	10.2	31	SF			2				

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0455	HTPR	11	0936	0946	1000	S13	W20	3593B	02	9.9	24	SF			C	0946	30	.3	
0456		11	09473	0952*	1016	S06	W03	3603	02	11.2	29	SN					20	.2	
	HTPR	11	0947	0952	1015	S05	W04	3603	02	11.1	28	SN			C	0952	20	.2	
	KANZ	11	0950	1009	1017	S08	W02	3603	02	11.2	27	SN		3					
0457		11	09528	09546	1012	S06	W16	3594	02	10.2	20	SN					59	.6	L
	HTPR	11	0952	0954	1018	S05	W17	3594	02	10.1	26	SN			C	0954	30	.3	
	WEND	11	0953	0957	1008	S05	W15	3594	02	10.3	15	SF			C	0957	34	.4	
	KANZ	11	0954	0954	1009	S06	W16	3594	02	10.2	15	SN		3					L
	CATA	11	1000	1000	1010D	S07	W17	3594	02	10.1	10D	S		2	P	1000	112	1.2	
0458	HTPR	11	1022	1027	1036	S13	W20	3593B	02	9.9	14	SF			C	1027	30	.3	
0459	HTPR	11	1025	1027	1033	S15	W18	3594	02	10.1	8	SN			C	1027	40	.4	E
0460		11	10312	10351	1039	S05	W17	3594	02	10.2	8	SN					72	.8	E
	HTPR	11	1031	1035	1037	S05	W17	3594	02	10.2	6	SN			C	1035	70	.7	E
	KANZ	11	1032	1036	1040	S06	W17	3594	02	10.2	8	SN		3					
	WEND	11	1033	1035	1039	S05	W16	3594	02	10.2	6	SF			C	1035	75	.8	
0461		11	1114*	11365	1200	S09	E16	3600	02	12.7	46	1N					211	2.2	E
	HTPR	11	1114	1141	1210	S08	E18	3600	02	12.8	56	1N			C	1141	240	2.4	E
	KANZ	11	1117	1136	1200	S10	E15	3600	02	12.6	43	1N		3					
	WEND	11	1117	1138	1155	S09	E15	3600	02	12.6	38	SN			C	1138	112	1.2	
	CATA	11	1130	1140	1155	S10	E15	3600	02	12.6	25	1		2	P	1140	281	3.0	
0462	HTPR	11	1121	1128	1235	S10	E03	3603	02	11.7	74	SF			C	1128	30	.3	
0463		11	12092	12111	1224	S12	E01	3597	02	11.6	15	SB					129	1.3	E
	WEND	11	1209	1212	1221	S12	E02	3597	02	11.6	12	SN			C	1212	78	.8	
	HTPR	11	1209	1212	1224	S11	E01	3597	02	11.6	15	SB			C	1212	180	1.8	E
	KANZ	11	1211	1211	1227	S12	E00	3597	02	11.5	16	SB		3					
0464		11	1337	13471	1409	S12	E02	3597	02	11.7	32	1B C 9.7					194	2.0	E
	HTPR	11	1337	1347	1416	S12	E02	3597	02	11.7	39	1B C 9.7			C	1347	300	3.0	E
	KANZ	11	1337	1348	1404	S12	E01	3597	02	11.6	27	1B C 9.7		3					
	WEND	11	1357E		1408	S13	E03	3597	02	11.8	11D	SN			C	1357	87	.9	
0465		11	14272	14383	1504	S10	W12	3594	02	10.7	37	SN					119	1.2	E
	HTPR	11	1426E		1511	S09	W12	3594	02	10.7	45D	SB			C	1437	120	1.2	E
	KANZ	11	1427	1441	1447D	S10	W12	3594	02	10.7	20D	1N		3					
	WEND	11	1429	1438	1457	S10	W12	3594	02	10.7	28	SN			C	1438	118	1.3	
0466	HTPR	11	1427		1457	S07	W15	3594	02	10.5	30	SF			C	1437	20	.2	
0467	HTPR	11	1556	1558	1608	S07	W02	3603	02	11.5	12	SN			C	1558	30	.3	E
0468		11	1604	1616	1644	S08	W16	3594	02	10.5	40	SN					95	1.0	E
	HTPR	11	1604		1632D	S06	W16	3594	02	10.5	28D	SN			C	1615	80	.8	E
	BIGB	11	1610E	1616	1644	S10	W16	3594	02	10.5	34D	SN		3	P	1616	110	1.2	
0469		11	16251	1628	1646D	S06	W06	3603	02	11.2	21D	SN					105	1.1	E
	BIGB	11	1625	1628	1646D	S08	W07	3603	02	11.1	21D	SN		3	P	1628	140	1.5	
	HTPR	11	1626		1632D	S05	W06	3603	02	11.2	6D	SN			C	1628	70	.7	E
		11	1909		2005	No Flare Patrol													
0470	BIGB	11	1916	1926	1955	S10	W15	3594	02	10.7	39	SF		3	C	1926	120	1.3	
0471		11	2031	20343	2159	S10	W18	3594	02	10.5	88	SN					85	.9	JK
	CULG	11	2031	2034	2200	S11	W18	3594	02	10.5	89	SN			C	2034	80	.9	KJ
	BIGB	11	2031	2037	2158	S10	W18	3594	02	10.5	87	SN		3	C	2037	90	.9	
0472		11	22151	2220	2231	S14	W26	3594	02	10.0	16	SN					45	.5	
	CULG	11	2215	2220	2228	S15	W25	3594	02	10.0	13	SF			C	2220	20	.2	
	BIGB	11	2216	2220	2234	S14	W26	3594	02	10.0	18	SN		3	C	2220	70	.8	
0473		11	23211	23241	2334	S08	W25	3594	02	10.1	13	SN					75	.8	J
	BIGB	11	2321	2325	2335	S07	W25	3594	02	10.1	14	SN		3	C	2325	80	.9	
	CULG	11	2322	2324	2332	S08	W25	3594	02	10.1	10	SF			C	2324	70	.8	J

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0474		11	23501	23532	0004	S12	W06	3597	02	11.5	14	SB	C 6.8				178	1.8	EFJ
	CULG	11	2350	2353	0010	S11	W07	3597	02	11.5	20	SN			C	2353	90	.9	F
	VORO	11	2350	2355	0004	S12	W06	3597	02	11.5	14	1B			C	2355	305	3.1	EJ
	B1GB	11	2351	2353	2357	S12	W06	3597	02	11.5	6	SB	C 6.8	3	C	2353	140	1.5	
0475		12	0325	03261	0336	S06	W12	3603	02	11.2	11	1N	C 2.3				142	1.4	EJ
	CULG	12	0325	0326	0333	S07	W12	3603	02	11.2	8	SF	C 2.3		C	0326	60	.6	J
	PEKG	12	0327E	0327	0340	S06	W12	3603	02	11.2	13D	1N			C	0327	223	2.3	E
0476	PEKG	12	0440	0447	0454	S12	W10	3603	02	11.4	14	SF			C	0447	21	.2	D
0477		12	04543	04591	0524	S08	E04	3600	02	12.5	30	SN					68	.7	E
	CULG	12	0454	0500	0509D	S08	E04	3600	02	12.5	15D	SN			P	0500	70	.7	
	PEKG	12	0457	0459	0524	S09	E04	3600	02	12.5	27	SN			C	0459	67	.7	E
0478		12	05423	05506	0605	S12	W11	3603	02	11.4	23	1B	C 7.1				282	2.9	DEFHKV
	TACH	12	0542	0550	0606	S12	W12	3603	02	11.3	24	2B			C	0550	575	6.1	EH
	PEKG	12	0545	0551	0600	S11	W11	3603	02	11.4	15	1B	C 7.1		C	0551	378	4.0	F
	MITK	12	0547E		0554D	S12	W11	3603	02	11.4	7D	1N			P	0553	210	2.2	E
	CULG	12	0547E	0550	0559D	S12	W12	3603	02	11.3	12D	SB			P	0550	160	1.6	V
	ABST	12	0556E	0556	0610	S14	W11	3603	02	11.4	14D	SN			P	0556	87	.9	DK
0479	ABST	12	0624	0626	0630	N04	E80	3607	02	18.2	6	1F			C	0626	87		D
0480	PEKG	12	0630E	0630	0630D	S11	W28	3594	02	10.2	6D	SF			P	0630	55	.6	E
0481		12	07305	07323	0740	S12	W12	3603	02	11.4	10	SB					76	.8	D
	TACH	12	0730	0732	0735D	S11	W12	3603	02	11.4	5D	SB			C	0732	97	1.0	D
	CATA	12	0735	0735	0740	S12	W13	3603	02	11.3	5	S		2	C	0735	56	.6	
0482		12	0917	09173	0926	S11	W23	3594	02	10.6	9	SN					20	.2	E
	KANZ	12	0917	0917	0925	S11	W23	3594	02	10.6	8	SN		3					
	HTPR	12	0917	0920	0926	S11	W23	3594	02	10.6	9	SF			C	0920	20	.2	E
0483		12	10023	10041	1017	S07	W15	3603	02	11.3	15	SN	C 1.9				156	1.6	EH
	HTPR	12	1002	1004	1015	S07	W15	3603	02	11.3	13	SF	C 1.9		C	1004	30	.3	E
	CATA	12	1005E	1005	1015D	S08	W15	3603	02	11.3	10D	1		2	P	1005	281	3.0	H
	KANZ	12	1005	1005	1019	S07	W15	3603	02	11.3	14	SN	C 1.9	3					H
0484		12	10109	10234	1047	S20	W40	3599	02	9.4	37	SF					47	.6	G
	HTPR	12	1010	1024	1110	S20	W41	3599	02	9.3	60	SF			C	1024	50	.7	
	WEND	12	1016	1023	1036	S18	W39	3599	02	9.4	20	SF			C	1023	44	.6	
	KANZ	12	1019	1027	1035	S21	W40	3599	02	9.4	16	SF		3					G
0485		12	10423	10441	1104	S08	W16	3603	02	11.2	22	SF					76	.8	
	WEND	12	1042	1044	1058	S08	W16	3603	02	11.2	16	SF			C	1044	41	.4	
	CATA	12	1045	1045	1110	S08	W17	3603	02	11.2	25	S		2	C	1045	112	1.2	
0486	HTPR	12	1042	1045	1100	S20	W41	3599	02	9.3	18	SF			C	1045	20	.2	
0487		12	13285	13314	1348	S12	W15	3603	02	11.4	20	SF					45	.4	H
	HTPR	12	1328	1331	1400	S11	W16	3603	02	11.3	32	SF			C	1331	50	.5	
	KANZ	12	1331	1335	1342	S11	W15	3603	02	11.4	11	SF		3					
	WEND	12	1333	1334	1342	S13	W14	3603	02	11.5	9	SN			C	1334	40	.4	H
0488	HTPR	12	1332	1335	1338	S12	W12	3597	02	11.6	6	SF			C	1335	60	.6	
0489	KANZ	12	1401	1405	1409	S12	W30	3594	02	10.3	8	SF		3					
0490	HTPR	12	1413	1413	1416	N01	E70	3607	02	17.8	3	SF			C	1413	30	.7	
0491	HTPR	12	1445	1449	1500	S08	W09	3600	02	11.9	15	SF			C	1449	20	.2	E
0492	HTPR	12	1510	1513	1517	S11	W33	3594	02	10.1	7	SF			C	1513	40	.5	E
0493	HTPR	12	1544		1600	S15	E06	3601	02	13.1	16	SF			C	1551	30	.3	E
		12	2035		2042	No Flare Patrol													
		12	2047		2054	No Flare Patrol													
0494	CULG	12	2132U	2144U	2204U	S14	W41	3593B	02	9.8	32U	1N			P	2144	230	3.0	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0495	CULG	12	2156U	2158	2210D	S12	W22	3603	02	11.2	14U	SB			P	2158	100	1.1	
		12	2211		2312			No Flare Patrol											
0496		13	0117	0118	0121	S10	W09	3600	02	12.4	4	SF					87	.9	DJ
	CULG	13	0117E	0117U	0122U	S10	W09	3600	02	12.4	5U	SF			P	0117	40	.4	J
	VORO	13	0117	0118	0121	S10	W09	3600	02	12.4	4	SF			C	0118	134	1.4	D
0497	VORO	13	0133		0142	S11	W37	3594	02	10.3	9	SN			C	0133	81	1.0	D
0498	YUNN	13	0206	0211	0217	S08	W34	3594	02	10.5	11	SN			C		31	.4	D
0499	PEKG	13	0220	0225	0235	N13	E13	3602	02	14.1	15	SF			C	0225	38	.4	D
0500		13	0221	0223	0227	S09	W10	3600	02	12.3	6	SF					126	1.4	DE
	VORO	13	0221	0223	0229	S09	W10	3600	02	12.3	8	SF			C	0223	161	1.7	D
	PEKG	13	0222E	0224	0225	S09	W09	3600	02	12.4	3D	SF			C	0224	92	1.0	E
0501		13	0433	0436	0446	S12	E02	3601	02	13.3	13	SN					78	.5	F
	LEAR	13	0433	0436	0446	S14	E03	3601	02	13.4	13	SN		2	C		110		F
	YUNN	13	0436E	0436U	0436D	S10	E01	3601	02	13.3	13D	SF			P	0436	47	.5	
0502		13	0646	0651	0706	S10	W38	3594	02	10.4	20	SF					50		F
	LEAR	13	0646	0651	0652	S10	W38	3594	02	10.4	6	SF		3	C		49		F
	LEAR	13	0653	0656	0721	S10	W37	3594	02	10.5	28	SF		3	C		51		F
0503		13	0832	0834	0838	N02	E56	3607	02	17.5	6	SF					19	.4	
	WEND	13	0832	0834	0838	N02	E56	3607	02	17.5	6	SF			C	0834	19	.4	
	KANZ	13	0835E	0835	0838	N03	E56	3607	02	17.5	3D	SF		2					
0504		13	0914	0914	0920	N04	E58	3607	02	17.7	6	SN					19	.4	
	KANZ	13	0914	0914	0921	N05	E59	3607	02	17.8	7	SN		2					
	WEND	13	0914	0916	0919	N03	E58	3607	02	17.7	5	SN			C	0916	19	.4	
0505	WEND	13	1024	1037	1042	S11	W02	3601	02	13.3	18	SF			C	1037	38	.4	
0506	WEND	13	1119	1124	1134	S11	W53	3593B	02	9.5	15	SN			C	1124	47	.8	
0507	ATHN	13	1126	1130	1138	S11	W44	3594	02	10.2	12	SN		3	V	1130	32	.4	
0508		13	1130	1135	1144	N00	E57	3607	02	17.7	12	SN					32	.6	
	ATHN	13	1130	1135	1144	N02	E60	3607	02	18.0	14	SN		3	V	1135	32	.7	
	WEND	13	1132	1134	1140	S01	E54	3607	02	17.5	8	SF			C	1134	31	.5	
0509	RAMY	13	1245	1340	1419	N03	E60	3607	02	18.0	94	SF		3	C		55		
0510	ATHN	13	1246	1257	1316	S15	W61	3593B	02	8.9	30	SN		3	V	1257	32	.6	
0511	RAMY	13	1344	1345	1353	S11	W43	3594	02	10.3	9	SF		3	C		58		
0512	RAMY	13	1437	1440	1441D	S12	W43	3594	02	10.4	4D	SF		3	C		62		
0513	RAMY	13	1601	1605	1616	S12	W05	3601	02	13.3	15	SN		3	C		67		
0514	RAMY	13	1607	1607	1613	N03	E59	3607	02	18.1	6	SF		3	C		18		
0515	RAMY	13	1810	1817	1818	N02	E50	3607	02	17.5	8	SF		3	C		31		
0516	BIGB	13	1920	1922	1932	S07	W49	3594	02	10.1	12	SN		3	C	1922	100	1.6	
0517		13	1927	1930	1955	S10	W46	3594	02	10.3	27	SB					90	1.1	EF
	BIGB	13	1927	1930	1955	S10	W48	3594	02	10.2	28	SN		3	C	1930	70	1.1	
	RAMY	13	1931	1935	2004D	S11	W45	3594	02	10.4	33D	SB		3	C		92		
	HOLL	13	1934E	1935U	1954	S10	W46	3594	02	10.3	20D	SB		2	C		107		FE
		13	1928		1929			No Flare Patrol											
0518		13	1936	1940	1951	N00	W24	3598	02	12.0	15	SN					30		
	RAMY	13	1936	1940	2004D	S00	W24	3598	02	12.0	28D	SN		3	C		39		
	HOLL	13	1939	1941	1951	S00	W24	3598	02	12.0	12	SN		3	C		22		

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																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0519		13	19392	19441	2002	N17	E05	3602	02	14.2	23	SN				169	1.2	F
	RAMY	13	1939	1945	2005D	N17	E05	3602	02	14.2	26D	1N	3	C		233		
	HOLL	13	1941	1944	2001	N17	E05	3602	02	14.2	20	SN	2	C		155		F
	BIGB	13	1941	1944	2003	N18	E06	3602	02	14.3	22	SF	3	C	1944	120	1.2	
0520	HOLL	13	1955	1955	2014	S02	E48	3607	02	17.4	19	SF	2	C		22		
0521	HOLL	13	2053	2057	2136	N04	E53	3607	02	17.8	43	SB	3	C		100		EF
		13	2120		2121	No Flare Patrol												
0522	HOLL	13	2131	2136	2152	S01	E58	3608	02	18.2	21	SF	3	C		25		
0523	HOLL	13	2209	2209	2213	S12	W31	3603	02	11.6	4	SF	3	C		26		F
0524	CULG	13	2215E	2216U	2221	N04	E47	3607	02	17.4	6D	SF		P	2216	30	.5	
0525		13	2331*	23512	0014	S01	E46	3607	02	17.4	43	SF				29	.6	JK
	CULG	13	2331	2351	0020	N01	E47	3607	02	17.5	49	SF		C	2351	40	.6	KJ
	HOLL	13	2351	2352	0008D	S02	E46	3607	02	17.4	17D	SN	3	C		28		
	LEAR	13	2352	2353	0007	S02	E46	3607	02	17.4	15	SF	3	C		19		
0526		13	23462	23491	2359	S12	W33	3597	02	11.5	13	SN				121	1.4	DEFJ
	VORO	13	2346	2349	2359	S12	W33	3597	02	11.5	13	1N		C	2349	206	2.5	DJ
	CULG	13	2346	2349	2401	S13	W33	3597	02	11.5	15	SN		C	2349	60	.7	F
	HOLL	13	2347	2349	2358	S12	W32	3597	02	11.6	11	SB	3	C		141		FE
	BIGB	13	2347	2350	2352D	S12	W33	3597	02	11.5	5D	SN	3	P	2349	70	.9	
	LEAR	13	2348	2349	2359	S12	W33	3597	02	11.5	11	SN	3	C		127		F
0527		14	00011	00031	0020	S01	W26	3598	02	12.0	19	SN				118	1.3	EFIJ
	HOLL	14	0001	0003	0004D	S01	W27	3598	02	12.0	3D	SB	3	C		129		FE
	CULG	14	0001	0004U	0017U	S01	W26	3598	02	12.0	16U	SF		P	0004	90	1.0	IF
	VORO	14	0001	0004	0019	S01	W24	3598	02	12.2	18	SN		C	0004	143	1.6	EJ
	LEAR	14	0002	0004	0020	S01	W26	3598	02	12.0	18	SB	3	C		112		
0528		14	0013	0014	0026	S12	W56	3593B	02	9.8	13	1N				142	2.5	EJ
	CULG	14	0012U	0014U	0020D	S12	W57	3593B	02	9.7	8U	SF		P	0014	70	1.3	
	VORO	14	0013	0014	0026	S13	W55	3593B	02	9.8	13	1N		C	0014	215	3.7	EJ
0529		14	00267	00342	0042	S08	W19	3600	02	12.6	16	SN				184	2.6	EFJK
	CULG	14	0024U	0028U	0042	S08	W19	3600	02	12.6	18U	SN		P	0028	80	.9	KJ
	VORO	14	0026	0036	0042	S08	W19	3600	02	12.6	16	1N		C	0036	412	4.4	EJK
	LEAR	14	0033	0034	0043	S08	W18	3600	02	12.7	10	SN	3	C		59		F
0530	CULG	14	0108E	0108	0113	N04	E46	3607	02	17.5	5D	SF		P	0108	80	1.2	
0531	CULG	14	0120	0123	0130	S08	W52	3594	02	10.1	10	SF		C	0123	40	.6	
0532		14	01401	01436	0208	N04	E50	3607	02	17.8	28	1N				257	5.2	EFJ
	LEAR	14	0140	0143	0221	N04	E51	3607	02	17.9	41	SB	3	C		119		F
	PEKG	14	0140	0149	0155	N04	E49	3607	02	17.7	15	1N		P	0149	168	2.7	F
	VORO	14	0141	0145	0209	N05	E50	3607	02	17.8	28	2N		C	0145	484	7.8	EJ
0533		14	0320	0345	0345D	S12	W63	3593B	02	9.4	25D	SF				67	1.4	E
	CULG	14	0320	0329U	0344U	S13	W64	3593B	02	9.3	24U	SF		P	0329	50	1.1	
	PEKG	14	0345E	0345	0345D	S11	W62	3593B	02	9.5	24D	SF		P	0345	84	1.8	E
0534		14	0325*	03443	0403	S12	W51	3594	02	10.3	38	1N				197	2.2	EFK
	PEKG	14	0325	0347	0352	S10	W51	3594	02	10.3	27	1N		C	0347	151	2.5	E
	LEAR	14	0341	0344	0417	S12	W51	3594	02	10.3	36	1B	3	C		310		FK
	MITK	14	0343	0345	0359	S12	W50	3594	02	10.4	16	SN		C	0345			E
	CULG	14	0344E	0344U	0347D	S13	W52	3594	02	10.2	3D	SN		P	0344	130	1.8	
0535		14	0341*	04081	0417	S09	W53	3594	02	10.2	36	SB				98	1.6	EKV
	LEAR	14	0341	0409	0417	S12	W51	3594	02	10.3	36	SB	3	C		109		K
	CULG	14	0408	0408	0418U	S08	W54	3594	02	10.1	10U	SB		P	0408	80	1.4	V
	PEKG	14	0408	0409	0417	S06	W53	3594	02	10.2	9	SN		C	0409	105	1.8	E
0536		14	03539	04066	0438	N18	W00	3602	02	14.2	45	SN				107	1.2	E
	PEKG	14	0353	0410	0434	N18	E00	3602	02	14.2	41	SN		C	0410	67	.8	E
	CULG	14	0400E	0406	0425D	N19	W01	3602	02	14.1	25D	SN		P	0406	100	1.1	
	LEAR	14	0402	0408	0441	N18	E01	3602	02	14.2	39	SN	3	C		108		
	PURP	14	0403E	0412	0414D	N17	W01	3602	02	14.1	11D	SF		V	0412	152	1.7	

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0537	CULG	14	0459	0501	0510	N01	E45	3607	02	17.6	11	SF			C	0501	30	.5	
0538		14	0538	0540	0546	S12	W37	3597	02	11.4	8	SF					65	.8	EF
	PEKG	14	0538E	0540	0545	S11	W37	3597	02	11.4	7D	SN		P		0540	92	1.2	E
	LEAR	14	0538	0540	0547	S12	W36	3597	02	11.5	9	SF		3	C		64		F
	CULG	14	0542E	0542U	0548U	S13	W38	3597	02	11.4	6U	SF		P		0542	40	.5	
0539		14	05482	0551	0604	S12	W52	3594	02	10.3	16	SN					56	.8	E
	LEAR	14	0548	0551	0604	S13	W53	3594	02	10.2	16	SF		3	C		65		
	YUNN	14	0550	0551	0552D	S12	W51	3594	02	10.4	2D	SN		P			47	.8	E
0540		14	0812	08143	0830	S12	W37	3603	02	11.5	18	1B					203	1.7	EU
	LEAR	14	0812	0814	0834	S13	W37	3603	02	11.5	22	1B		3	C		346		UE
	PURP	14	0813E	0814	0824	S11	W38	3603	02	11.5	11D	1N			C	0814	198	2.6	
	ATHN	14	0817E	0817	0832	S11	W36	3603	02	11.6	15D	SB		2	V	0817	64	.8	
0541	LEAR	14	0938	0938	0947	N01	E41	3607	02	17.5	9	SF		3	C		22		
0542		14	0940	09404	0955	S10	W40	3603	02	11.4	15	1B					160	1.6	H
	LEAR	14	0940	0940	0955	S10	W41	3603	02	11.3	15	1B		3	C		200		H
	WEND	14	0940E	0944	0957D	S10	W39	3603	02	11.5	17D	SB			C	0944	119	1.6	
		14	1028		1042	No Flare Patrol													
		14	1048		1057	No Flare Patrol													
		14	1136		1450	No Flare Patrol													
		14	1510		1518	No Flare Patrol													
		14	1556		1654	No Flare Patrol													
0543	HOLL	14	1654E	1658U	1659	S11	W64	3594	02	9.9	5D	SN		3	C		19		
0544		14	17311	17311	1748	N05	E42	3607	02	17.9	17	SN					63	1.3	F
	BIGB	14	1731	1731	1750	N05	E43	3607	02	17.9	19	SN		3	C	1731	90	1.3	
	HOLL	14	1732	1732	1745	N05	E41	3607	02	17.8	13	SF		3	C		36		F
		14	1748		1818	No Flare Patrol													
0545	RAMY	14	1837	1838	1854	N00	E38	3607	02	17.6	17	SF		3	C		30		
		14	1842		1849	No Flare Patrol													
0546	RAMY	14	1920	1920	1923	N04	E36	3607	02	17.5	3	SF		3	C		29		
0547		14	20088	20257	2126	S13	W69	3593B	02	9.6	78	1B					201		EFK
	RAMY	14	2008	2025	2107D	S12	W69	3593B	02	9.6	59D	1B		3	C		249		FEK
	RAMY	14	2008	2032	2107D	S12	W69	3593B	02	9.6	59D	S		3	C		214		K
	BIGB	14	2016	2028	2126	S15	W68	3593B	02	9.7	70	1B		3	C	2028	140		
0548		14	20392	2045	2121	S02	E36	3607	02	17.5	42	SB					110	1.2	
	BIGB	14	2039	2045	2121	S03	E37	3607	02	17.6	42	SN		3	C	2045	90	1.2	
	RAMY	14	2041	2045	2046D	S00	E36	3607	02	17.5	5D	SB		3	C		129		
		14	2108		2241	No Flare Patrol													
0549		14	23093	2312	2325	S12	W46	3603	02	11.5	16	SB					113	1.2	F
	LEAR	14	2309	2312	2325	S11	W45	3603	02	11.6	16	SN		3	C		146		F
	BIGB	14	2312	2312	2325	S13	W47	3603	02	11.4	13	SB		3	C	2312	80	1.2	
0550	VORO	15	0025	0027	0035	N05	E33	3607	02	17.5	10	SF			C	0027	116	1.4	D
0551		15	03059	03179	0331	N06	E32	3607	02	17.5	26	SN					66	.8	E
	PEKG	15	0305	0326	0330	N05	E31	3607	02	17.4	25	SN			C	0326	92	1.1	E
	CULG	15	0314	0317	0332	N07	E32	3607	02	17.5	18	SF			C	0317	40	.5	
0552		15	03211	03321	0408	N09	E38	3609	02	18.0	47	1B					312	4.2	EU
	CULG	15	0321	0333	0337D	N10	E38	3609	02	18.0	16D	1B			P	0333	300	3.9	U
	MITK	15	0322	0332	0424	N09	E38	3609	02	18.0	62	1N			C	0332	270	3.7	E
	PEKG	15	0325E	0332	0353	N08	E39	3609	02	18.1	28D	1B			P	0332	365	5.0	U
0553		15	03272	03292	0358	S12	W48	3603	02	11.5	31	SN					51	.8	E
	CULG	15	0327	0329	0337D	S13	W49	3603	02	11.4	10D	SN			P	0329	60	.9	
	PEKG	15	0329	0331	0358	S11	W48	3603	02	11.5	29	SN			C	0331	42	.6	E

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0554	CULG	15	0633	0636U	0643U	S15	W25	3601	02 13.4	10U	SF	P	0636	50	.6	
0555	LEAR	15	0645	0647	0700	S02	E30	3607	02 17.5	15	SF	3 C		41		
0556	LEAR	15	0719	0722	0755	S12	W26	3601	02 13.3	36	1B			260	2.2	EFI
	LEAR	15	0719	0722	0755	S12	W26	3601	02 13.3	36	1B	3 C		319		FE
	CULG	15	0720E	0722U	0737D	S12	W27	3601	02 13.3	17D	1N	P	0722	200	2.2	I
0557	LEAR	15	0834	0836	0841	N00	E29	3607	02 17.5	7	SF	3 C		24		
0558	LEAR	15	0926	0929	0941	S11	W52	3603	02 11.5	15	SN	3 C		40		
		15	1027		1029	No Flare Patrol										
0559	RAMY	15	1252	1254	1259	N01	E27	3607	02 17.5	7	SN	3 C		30		
0560	RAMY	15	1255	1300	1302	S11	W54	3603	02 11.5	7	SF	3 C		20		
0561		15	1320	1321*	1418	N00	E27	3607	02 17.6	58	SB			108		K
	RAMY	15	1320	1321	1418	N00	E27	3607	02 17.6	58	SB	3 C		143		K
	RAMY	15	1320	1400	1418	N00	E27	3607	02 17.6	58	SN	3 C		74		K
0562		15	1425	1425*	1446	S01	E29	3607	02 17.8	21	SN			36		K
	RAMY	15	1425	1425	1446	S01	E29	3607	02 17.8	21	SF	3 C		29		K
	RAMY	15	1425	1440	1446	S01	E29	3607	02 17.8	21	SN	3 C		44		K
		15	1610		1617	No Flare Patrol										
		15	1621		1623	No Flare Patrol										
0563	HOLL	15	1721	1729	1800	S02	E23	3607	02 17.4	39	SN	3 C		71		F
0564	HOLL	15	1727	1728	1733	S12	W56	3603	02 11.5	6	SF	3 C		18		H
0565	HOLL	15	1747	1749	1753	N11	E70	3610	02 21.0	6	SF	3 C		13		
0566	HOLL	15	1802	1804	1817	N00	E24	3607	02 17.5	15	SN	3 C		90		F
		15	1828		1837	No Flare Patrol										
0567		15	19261	19282	1938	S15	W32	3601	02 13.4	12	SN			31		
	HOLL	15	1926	1930	1935	S15	W32	3601	02 13.4	9	SF	3 C		28		
	RAMY	15	1927	1928	1942	S15	W32	3601	02 13.4	15	SN	3 C		34		
0568	HOLL	15	2000	2000	2010	S11	W72	3594	02 10.4	10	SF	3 C		18		
0569	HOLL	15	2018	2019	2024	S10	W46	3600	02 12.4	6	SF	3 C		19		
0570		15	2029	2036	2100	N16	W24	3602	02 14.0	31	SN			33	.5	F
	CULG	15	2027U	2037U	2050U	N18	W24	3602	02 14.0	23U	SN	P	2037	40	.5	
	HOLL	15	2029	2036	2100	N14	W24	3602	02 14.0	31	SF	3 C		26		F
0571	CULG	15	2119	2123U	2132	N06	E22	3607	02 17.5	13	SF	P	2123	40	.4	
0572		15	22242	2228	2251	N06	E20	3607	02 17.4	27	SF			44	.7	FJW
	CULG	15	2224	2227U	2240	N06	E21	3607	02 17.5	16	SF	P	2227	60	.7	FWJ
	HOLL	15	2226	2228	2302	N05	E20	3607	02 17.4	36	SF	3 C		28		F
0573	HOLL	15	2225	2227	2247	N12	E67	3610	02 21.0	22	SF	3 C		25		
0574		16	01022	01063	0123	S00	E20	3607	02 17.5	21	1N			272	3.2	EFHJ
	CULG	16	0102	0106	0129	N01	E20	3607	02 17.5	27	1B	C	0106	280	3.1	
	VORO	16	0103	0106	0126	S01	E20	3607	02 17.5	23	1N	C	0106	376	4.1	J
	YUNN	16	0104	0107	0120	S01	E21	3607	02 17.6	16	1N	C		321	3.6	
	PURP	16	0104	0108	0121	N00	E20	3607	02 17.5	17	SN	C	0108	172	1.9	E
	LEAR	16	0104	0109	0122	N00	E21	3607	02 17.6	18	1N	2 C		213		FH.
0575	LEAR	16	0142	0155	0158	N05	E32	3608	02 18.5	16	SF	2 C		21		
0576	PEKG	16	0427E	0453	0513D	N11	E66	3610	02 21.1	46D	SN	P	0453	63		E
0577	CULG	16	0628	0630	0639	N14	E59	3610	02 20.7	11	SF	C	0630	30	.6	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0578		16	0650*	0755	0800	N12	E64	3610	02	21.1	70	SN					40	1.0	D
	ISTA	16	0650		0800	N10	E66	3610	02	21.2	70	SN							D
	CULG	16	0750	0755	0800	N15	E63	3610	02	21.1	10	SN			C	0755	40	1.0	
0579		16	07492	0752	0808	N02	E17	3607	02	17.6	19	SF					26	.2	
	CULG	16	0749	0752	0806	N02	E17	3607	02	17.6	17	SF			C	0752	20	.2	
	LEAR	16	0751	0752	0809	N01	E17	3607	02	17.6	18	SF		3	C		31		
0580	LEAR	16	0909E	0910	0915	S09	W77	3594	02	10.6	6D	SF		3	C				
0581	YUNN	16	0910	0914	0921	N11	E16	3609	02	17.6	11	SN			C		32	.4	D
0582		16	1003	10061	1055D	N00	E16	3607	02	17.6	52D	SN	C 2.4				178	1.8	EFH
	KHAR	16	0959E	1006	1055D	N02	E16	3607	02	17.6	56D	SN			V	1006			EH
	HTPR	16	1003		1019D	N00	E16	3607	02	17.6	16D	SB	C 2.4		C	1006	180	1.8	E
	LEAR	16	1003	1007	1019D	S01	E15	3607	02	17.5	16D	SN		3	C		176		F
0583	HTPR	16	1008	1010	1016	N02	E21	3607	02	18.0	8	SF			C	1010	20	.2	
		16	1150		1223	No Flare Patrol													
		16	1237		1242	No Flare Patrol													
		16	1252		1257	No Flare Patrol													
0584		16	1256E	1302	1332	N00	E16	3607	02	17.7	36D	SB					122	1.4	
	ATHN	16	1256E	1302	1332	N01	E18	3607	02	17.9	36D	SB		2	V	1302	143	1.6	
	WEND	16	1304E		1314D	S01	E14	3607	02	17.6	10D	SN			C	1305	100	1.1	
0585		16	15067	1516	1858	N00	E12	3607	02	17.5	232	SB					99		K
	RAMY	16	1506	1516	1859	N00	E12	3607	02	17.5	233	SB		3	C		99		K
	HOLL	16	1513	1516	1858	N01	E11	3607	02	17.4	225	SN		3	C		99		K
0586		16	15067	16338	1831	N01	E12	3607	02	17.5	205	SB					110	.8	EFK
	RAMY	16	1506	1637	1859	N00	E12	3607	02	17.5	233	SB		3	C		126		FEK
	HOLL	16	1513	1633	1858	N01	E11	3607	02	17.4	225	SB		3	C		124		FEK
	BIGB	16	1636E	1641	1737	N01	E12	3607	02	17.6	61D	SN		3	P	1641	80	.8	
0587	RAMY	16	1556	1556	1639	N11	E13	3609	02	17.6	43	SF		3	C		31		
0588		16	16421	1644	1648	S15	W42	3601	02	13.5	6	SF					26		
	RAMY	16	1642	1644	1649	S15	W42	3601	02	13.5	7	SF		3	C		28		
	HOLL	16	1643	1644	1648	S15	W42	3601	02	13.5	5	SF		3	C		23		
0589		16	22431	22442	2310	N00	E08	3607	02	17.5	27	SN					67	.8	F
	CULG	16	2243	2246	2308	N01	E08	3607	02	17.5	25	SN			C	2246	100	1.0	
	HOLL	16	2244	2244	2306D	S00	E08	3607	02	17.5	22D	SN		3	C		31		F
	BIGB	16	2244	2245	2312	N00	E09	3607	02	17.6	28	SN		3	C	2245	70	.7	
		17	0940		1410	No Flare Patrol													
0590	CULG	17	0016	0026	0033	N05	E05	3607	02	17.4	17	SF			C	0026	20	.2	
0591	CULG	17	0055	0058	0103	N12	E50	3610	02	20.8	8	SN			C	0058	60	1.0	
0592		17	0114	01191	0126	N12	E50	3610	02	20.8	12	1B	C 2.2				113	1.8	
	CULG	17	0114	0120	0129	N14	E49	3610	02	20.7	15	1B			C	0120	140	2.1	
	PURP	17	0118E	0119	0122	N10	E50	3610	02	20.8	4D	SB	C 2.2		P	0119	86	1.5	
0593	CULG	17	0244	0253	0302	N12	E49	3610	02	20.8	18	SN			C	0253	70	1.2	
0594		17	03204	03271	0337	N10	E50	3610	02	20.9	17	SN	C 2.8				106	1.8	
	CULG	17	0320	0328	0337	N12	E49	3610	02	20.8	17	SN			C	0328	100	1.7	
	PURP	17	0324	0327	0328D	N09	E50	3610	02	20.9	4D	SF	C 2.8		P	0327	112	1.9	
0595	CULG	17	0438	0439	0447	N01	E09	3607	02	17.9	9	SF			C	0439	30	.3	
0596	PEKG	17	0507E	0507	0507D	N11	E49	3610	02	20.9	9D	SF			P	0507	59	1.0	E
0597	ABST	17	0558E	0701	0710D	N11	E47	3610	02	20.8	72D	1N			P	0701	262	4.2	FJ
0598	ABST	17	0629	0630	0632	N05	E06	3607	02	17.7	3	SF			C	0630	87	.9	DJY

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0599		17	0643*	07108	0734	N00	E04	3607	02	17.6	51	SB	C 2.2				139	1.4	EFJK
	ABST	17	0643	0710	0712D	N01	E05	3607	02	17.6	29D	1N		P	0710	306	3.2	FJK	
	CULG	17	0708	0714	0725D	N01	E04	3607	02	17.6	17D	SN	C 2.2	P	0714	80	.8		
	TACH	17	0710	0718	0738	S00	E04	3607	02	17.6	28	SB		C	0718	106	1.1	E	
	YUNN	17	0714E	0714U	0731	N00	E03	3607	02	17.5	17D	SB		P	0714	64	.7		
0600	ABST	17	0729E	0729	0733D	N11	E47	3610	02	20.8	4D	1N		P	0729	262	4.2	EJ	
0601		17	0747	0750	0758	N10	E48	3610	02	20.9	11	1B	C 3.2				159	2.7	
	ISTA	17	0747		0756	N10	E48	3610	02	20.9	9	1N							
	ATHN	17	0747	0750	0800	N11	E49	3610	02	21.0	13	1B	C 3.2	2	V	0750	159	2.7	
0602	BIGB	17	1855	1856	1938	N11	E11	3608	02	18.6	43	SF		3	C	1856	80	.8	
0603	BIGB	17	1935	1939	1956	N07	E16	3608	02	19.0	21	SF		3	C	1936	120	1.2	
0604	BIGB	17	1943	1946	1958	N11	E40	3610	02	20.8	15	SN		3	C	1946	90	1.2	
0605		17	2132	2142*	2248	S00	W05	3607	02	17.5	76	1B					225	2.3	J
	CULG	17	2132	2142	2300U	N00	W05	3607	02	17.5	88U	1B		P	2142	290	2.9	J	
	BIGB	17	2151E	2156	2248	S01	W05	3607	02	17.5	57D	SN		3	P	2156	160	1.7	
0606		17	23234	23303	2354	N13	E35	3610	02	20.6	31	1B					245	3.2	DHJV
	CULG	17	2323	2330	2410	N14	E34	3610	02	20.5	47	2B		C	2330	400	5.2	VJ	
	VORO	17	2326E		2351	N13	E36	3610	02	20.7	25D	1N		C	2332	367	4.9	DJ	
	BIGB	17	2326	2333	2356	N13	E37	3610	02	20.8	30	SB		3	C	2333	130	1.7	
	MITK	17	2327	2332	2349	N12	E35	3610	02	20.6	22	1N		C	2332	160	2.2	H	
	MANI	17	2328E	2332	2343	N12	E35	3610	02	20.6	15D	1B		1	V		170	2.3	
0607	CULG	18	0005	0009	0027	N05	W09	3607	02	17.3	22	SN		C	0009	30	.3		
0608		18	0009*	00343	0059	N01	W06	3607	02	17.5	50	SN					159	1.6	EFJK
	CULG	18	0009	0034	0100	N01	W06	3607	02	17.5	51	SB		C	0034	150	1.5	JKF	
	VORO	18	0033	0037	0058	N00	W07	3607	02	17.5	25	1F		C	0037	206	2.1	EJ	
	MANI	18	0034E	0035U	0047D	N03	W05	3607	02	17.6	13D	SN		1	V		120	1.3	F
0609	YUNN	18	0111	0112	0113	N01	W06	3607	02	17.6	2	SN		C		64	.7		
0610	CULG	18	0130	0134	0139	N11	E36	3610	02	20.8	9	SF		C	0134	40	.5		
0611		18	0226*	02401	0248	N14	E33	3610	02	20.6	22	SN					56	.7	FJK
	CULG	18	0226	0241	0252	N14	E33	3610	02	20.6	26	SN		C	0241	80	1.0	JFK	
	YUNN	18	0240	0240	0244	N13	E33	3610	02	20.6	4	SN		C		32	.4		
0612	VORO	18	0227	0229	0234	S01	W07	3607	02	17.6	7	1F		C	0229	314	3.2	EJK	
0613		18	0321	0323	0346	N00	W07	3607	02	17.6	25	SB					83	.8	DFJK
	MANI	18	0313E	0323	0332D	N01	W07	3607	02	17.6	19D	SN		1	V		70	.7	F
	CULG	18	0321	0323	0346	N00	W08	3607	02	17.5	25	SB		C	0323	100	1.0	JK	
	YUNN	18	0324E	0324U	0346	S00	W07	3607	02	17.6	22D	SB		P	0324	80	.8	D	
0614		18	03373	0341	0350	N11	E34	3610	02	20.7	13	SN					72	.9	DEJ
	CULG	18	0337	0341	0353	N11	E35	3610	02	20.8	16	SN		C	0341	80	1.0	JD	
	YUNN	18	0340	0343U	0346	N11	E34	3610	02	20.7	6	SN		P	0343	64	.8	E	
0615		18	0404	0410	0422	N04	W03	3607	02	17.9	18	SN					59	.6	E
	CULG	18	0404	0410	0425	N04	W03	3607	02	17.9	21	SF		C	0410	70	.7	E	
	YUNN	18	0411E	0411U	0419	N04	W03	3607	02	18.0	8D	SN		P	0411	48	.5	E	
0616		18	0443	0449	0525	N13	E32	3610	02	20.6	42	1B					232	3.0	EJTU
	CULG	18	0443	0449	0525	N14	E32	3610	02	20.6	42	2B		C	0449	400	5.2	UJT	
	YUNN	18	0448E	0448U	0453D	N12	E31	3610	02	20.5	5D	SB		P	0448	64	.8	E	
0617		18	0647	0651	0718	N11	E38	3610	02	21.1	31	SB					32	.4	U
	ISTA	18	0640E		0735	N11	E39	3610	02	21.2	55D	SB							U
	YUNN	18	0647	0651	0702	N11	E36	3610	02	21.0	15	SN		C		32	.4		
0618		18	07223	0726	0740	N10	E33	3610	02	20.8	18	SN					48	.6	D
	YUNN	18	0722	0726	0740	N12	E32	3610	02	20.7	18	SN		C		48	.6		
	ISTA	18	0725		0740	N08	E34	3610	02	20.8	15	SN							D

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement			Remarks	
																	Apparent (10-6	Disk	Corr (Sq Deg)		
0619	ISTA	18	08154	0827	0840	N08	E32	3610	02	20.7	25	SF								BD	
		18	0815		0833	N08	E34	3610	02	20.9	18	SF								BD	
		18	0819	0827	0848	N09	E31	3610	02	20.7	29	SF		2							
0620	KANZ	18	08295	0833	0840	N04	W13	3607	02	17.4	11	SF								D	
		18	0829	0833	0840	N04	W14	3607	02	17.3	11	SF		2							
		18	0834		0840	N03	W12	3607	02	17.5	6	SF								D	
0621	KANZ	18	0903	09051	0926	N11	E31	3610	02	20.7	23	SN	M 1.8				106	1.4		L	
		18	0903	0906	0927	N10	E30	3610	02	20.6	24	1B	M 1.8	3						L	
		18	0904E	0905	0910D	N12	E31	3610	02	20.7	6D	SF		1	V		150	2.0			
		18	0913E		0925	N10	E31	3610	02	20.7	12D	SN			C	0913	63	.8			
0622	HTPR	18	1250	1252	1255	N03	W12	3607	02	17.6	5	SF				C	1252	20	.2		
0623	HTPR	18	1305	1324	1400	N01	W13	3607	02	17.6	55	SB	M 3.4					120	1.2		E
		18	1305	1324	1342	N03	W12	3607	02	17.6	37	SB				C	1324	80	.8	E	
		18	1305	1324	1418	S01	W14	3607	02	17.5	73	SB	M 3.4			C	1324	100	1.0	E	
		18	1322E		1343D	N01	W14	3607	02	17.5	21D	SB			C	1328	181	1.9	E		
0624	HTPR	18	1457	1524	1532	N04	W13	3607	02	17.6	35	SF				C	1524	20	.2		
0625	HTPR	18	1522	1524	1530	N11	E27	3610	02	20.7	8	SF				C	1524	20	.2		
0626	HTPR	18	1610		1625D	N04	W15	3607	02	17.5	15D	SN				C	1624	120	1.2	E	
		18	1722		1728	No Flare Patrol															
		18	1744		1749	No Flare Patrol															
		18	1833		1851	No Flare Patrol															
0627	CULG	18	2037	2039U	2051	N14	E35	3610	02	21.5	14	SN				P	2039	60	.8		
0628	BIGB	18	20395	20489	2130	N17	W62	3602	02	14.1	51	SN						75	1.8		
		18	2039	2057	2129	N18	W63	3602	02	14.1	50	SN		3	C	2057	80	1.8			
		18	2044	2048	2130	N16	W62	3602	02	14.2	46	SF			C	2048	70	1.7			
0629	CULG	18	2107	2114	2132	S03	W18	3607	02	17.5	25	SN				C	2114	80	.8	J	
0630	CULG	18	2143	2145	2153	S01	W16	3607	02	17.7	10	SF				C	2145	40	.4		
0631	CULG	18	2232	2234	2246	S02	W19	3607	02	17.5	14	SN				C	223				

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0640	CULG	19	0126	0128	0132	N02	W20	3607	02	17.6	6	SN			C	0128	70	.8	DJ
0641		19	02361	02381	0246	N02	W20	3607	02	17.6	10	SF					50	.6	
	CULG	19	0236	0239	0247	N02	W21	3607	02	17.5	11	SF			C	0239	50	.6	
	LEAR	19	0237	0238	0244	N02	W19	3607	02	17.7	7	SF		3	C		51		
0642	CULG	19	0305	0307	0332	N04	W25	3607	02	17.2	27	SN			C	0307	30	.5	LW
0643	CULG	19	0354	0401	0430	N17	E22	3610	02	20.8	36	SF			C	0401	110	1.3	EJ
0644		19	0423*	04547	0537	N01	W23	3607	02	17.5	74	1B	C 7.6				358	4.1	EFJKT
	CULG	19	0423	0457	0535	N00	W23	3607	02	17.5	72	1B			C	0457	320	3.5	FKJT
	LEAR	19	0452	0454	0538	N01	W22	3607	02	17.5	46	1B		3	C		332		FE
	PEKG	19	0452E	0501	0537	N01	W23	3607	02	17.5	45D	1N	C 7.6		C	0501	421	4.7	F
0645	CULG	19	0458	0507	0516	N12	E67	3613	02	24.2	18	SF			C	0507	50		EIJ
0646		19	04594	05013	0508	N12	E17	3610	02	20.5	9	SN					116	1.6	EF
	CULG	19	0459	0504	0513	N13	E16	3610	02	20.4	14	SN			C	0504	140	1.5	
	PEKG	19	0501E	0501	0504	N12	E17	3610	02	20.5	3D	SN			P	0501	147	1.7	E
	LEAR	19	0503	0504	0507	N11	E18	3610	02	20.6	4	SN		3	C		61		F
0647		19	05562	05571	0616	N05	W21	3607	02	17.7	20	SN					74	.8	EF
	CULG	19	0556	0557	0615	N05	W22	3607	02	17.6	19	SN			C	0557	70	.8	E
	LEAR	19	0558	0558	0618	N05	W20	3607	02	17.7	20	SN		3	C		78		F
0648	CULG	19	0624	0628	0639	N02	W27	3607	02	17.2	15	SN			C	0628	40	.4	DJV
0649	ABST	19	0632E	0635	0639D	N02	E70	3613	02	24.5	7D	1F			P	0635	175		E
0650	CULG	19	0640	0641	0645	N14	E23	3610	02	21.0	5	SF			C	0641	30	.4	
0651	CULG	19	0706	0712	0719	N08	E69	3613	02	24.5	13	1F			C	0712	90		J
0652		19	08233	0827	0834	N05	W20	3607	02	17.8	11	SN					43	.4	EF
	HTPR	19	0823	0827	0837	N06	W20	3607	02	17.8	14	SF			C	0827	40	.4	E
	LEAR	19	0826	0827	0832	N04	W19	3607	02	17.9	6	SN		3	C		46		F
0653	HTPR	19	0918	0919	0922	N03	W25	3607	02	17.5	4	SF			C	0919	20	.2	
0654	HTPR	19	1137	1140	1142	N03	W28	3607	02	17.4	5	SF			C	1140	30	.3	
0655		19	11443	1152	1217	N14	E20	3610	02	21.0	33	SF					118	1.3	E
	HTPR	19	1144	1152	1217	N16	E20	3610	02	21.0	33	SF			C	1152	80	.8	E
	WEND	19	1147		1237D	N13	E21	3610	02	21.1	50D	SF			C	1153	156	1.8	E
0656		19	1200*	1341*	1549	N01	W27	3607	02	17.5	229	2B					493	4.4	EFU
	RAMY	19	1200	1341	1636	S00	W27	3607	02	17.5	276	2B		3	C		701		UF
	HTPR	19	1325		1426D	N03	W27	3607	02	17.5	61D	1N			C	1346	240	2.6	E
	WEND	19	1355E	1359	1502	S01	W26	3607	02	17.6	67D	2B			C	1359	538	6.2	
0657	HTPR	19	1242	1252	1304	S01	W24	3607	02	17.7	22	SN			C	1252	50	.5	E
0658		19	1247*	13364	1358	N00	W16	3608	02	18.3	71	SF					51	.5	E
	HTPR	19	1247		1307D	N00	W16	3608	02	18.3	20D	SF			C	1253	30	.3	
	HTPR	19	1331	1340	1407	N00	W16	3608	02	18.4	36	SN			C	1343	70	.7	E
	RAMY	19	1333	1336	1349	S00	W15	3608	02	18.4	16	SF		3	C		52		
0659	HTPR	19	1338	1340	1348	S06	W21	3612A	02	18.0	10	SF			C	1340	30	.3	
0660		19	1523	1538	1556	S01	W28	3607	02	17.5	33	1N					142	2.3	F
	HOLL	19	1415E	1415U	1556	S01	W27	3607	02	17.6	101D	SN		2	C		85		F
	WEND	19	1523	1538	1603D	S01	W28	3607	02	17.5	40D	1F			C	1538	200	2.3	
0661		19	16173	16211	1629	N11	E13	3610	02	20.6	12	SB					135	1.0	EF
	HTPR	19	1617	1621	1627	N11	E14	3610	02	20.7	10	SN			C	1621	120	1.2	E
	RAMY	19	1619	1621	1626	N11	E12	3610	02	20.6	7	SB		3	C		149		
	HOLL	19	1619	1621	1628	N10	E12	3610	02	20.6	9	SB		3	C		190		F
	BIGB	19	1620	1622	1636	N11	E13	3610	02	20.6	16	SN		3	C	1622	80	.8	
0662		19	1746	17491	1800	N10	E12	3610	02	20.6	14	SN					82		
	HOLL	19	1746	1749	1759	N09	E12	3610	02	20.6	13	SN		3	C		94		
	RAMY	19	1746	1750	1800	N10	E13	3610	02	20.7	14	SN		3	C		70		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Op† Xray	Obs See Type	Time (UT)	Area Measurement Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	Remarks
0663		19	19031	19071	1929	N03	W34	3607	02 17.2	26	SB			120	.9	E
	BIGB	19	1903	1907	1916	N03	W34	3607	02 17.2	13	SN	3 C	1907	70	.9	
	RAMY	19	1904	1907	1934	N03	W33	3607	02 17.3	30	SB	3 C		84		
	HOLL	19	1904	1908	1937	N03	W34	3607	02 17.2	33	1B	3 C		205		E
0664	BIGB	19	1913	1916	1934	N06	W25	3607	02 17.9	21	SN	3 C	1916	100	1.1	
0665		19	20102	2011*	2046	S01	W30	3607	02 17.6	36	SN			58		F
	RAMY	19	2010	2011	2044	S01	W30	3607	02 17.6	34	SN	3 C		43		
	HOLL	19	2012	2024	2047	S01	W30	3607	02 17.6	35	SF	3 C		72		F
0666	HOLL	19	2143	2151	2157	N11	E19	3610	02 21.3	14	SF	3 C		74		F
0667	CULG	19	2144	2150	2158	N11	E08	3610	02 20.5	14	SN		2150	70	.8	JK
0668	HOLL	19	2154	2226	2308	N00	W30	3607	02 17.7	74	SF	3 C		68		F
0669	CULG	19	2217	2225	2233	N14	E07	3610	02 20.4	16	SF		2225	30	.3	
0670		20	02402	02432	0251	N04	W31	3607	02 17.8	11	SN			46	.6	DFJ
	CULG	20	0240	0244	0258	N04	W32	3607	02 17.7	18	SN		0244	40	.4	J
	VORO	20	0241	0243	0252	N04	W32	3607	02 17.7	11	SF		0243	81	1.0	DJ
	LEAR	20	0242	0243	0247	N04	W31	3607	02 17.8	5	SN	3 C		38		F
	PEKG	20	0243E	0245	0246D	N05	W31	3607	02 17.8	30	SF	P	0245	55	.7	D
	YUNN	20	0244E	0244U	0246	N05	W31	3607	02 17.8	2D	SN	P	0244	16	.2	
0671		20	03512	03562	0408	N11	E16	3610	02 21.4	17	SB			88	1.1	EFH
	CULG	20	0351	0356	0412	N12	E15	3610	02 21.3	21	SB		0356	100	1.1	E
	LEAR	20	0353	0358	0405	N10	E16	3610	02 21.4	12	SB	3 C		75		FH
0672		20	07072	0711*	0750	N04	W33	3607	02 17.8	43	SN			187	1.9	FIJKT
	LEAR	20	0707	0711	0731D	N02	W34	3607	02 17.7	24D	SF	3 C		122		K
	LEAR	20	0707	0729	0731D	N02	W34	3607	02 17.7	24D	1N	3 C		384		FK
	YUNN	20	0709	0729	0745	N05	W32	3607	02 17.9	36	SB			161	2.0	F
	CULG	20	0710E	0729	0755	N05	W33	3607	02 17.8	45D	SB	P	0729	130	1.6	FIJT
	MANI	20	0728E	0728U	0733D	N05	W34	3607	02 17.8	5D	SF	1 V		100	1.3	F
	CATA	20	0735E	0735	0735D	N03	W33	3607	02 17.8	5D	1	2 P	0735	225	2.8	
0673	CATA	20	0735E	0735	0735D	S03	W33	3607	02 17.8	5D	S	2 P	0735	140	1.7	
0674	PEKG	20	0751	0752	0810	N06	W33	3607	02 17.8	19	SF		0752	113	1.5	E
0675	WEND	20	0839	0844	0846D	N01	W38	3607	02 17.5	7D	SF		0844	63	.8	
0676		20	0915*	0926*	1026	S01	W38	3607	02 17.5	71	1B			319	3.6	EFKU
	HTPR	20	0911E		0932D	N00	W40	3607	02 17.4	21D	SN		0930	120	1.6	E
	LEAR	20	0915	0926	1029D	N00	W38	3607	02 17.5	74D	1B	3 C		373		K
	LEAR	20	0915	0937	1029D	N00	W38	3607	02 17.5	74D	2B	3 C		503		UFK
	WEND	20	0915	0942	1026	N00	W37	3607	02 17.6	71	2B		0942	413	5.3	
	MONT	20	0924	0929	0950D	S01	W40	3607	02 17.4	26D	1N		0929	250		
	CATA	20	0925	0935	1005D	S03	W37	3607	02 17.6	40D	2	2 P	0935	506	6.5	
	HTPR	20	1013E		1036D	S02	W40	3607	02 17.4	23D	SN		1021	70	.9	
0677	WEND	20	1049	1058	1113	N04	W34	3607	02 17.9	24	SN		1058	156	1.9	
0678	WEND	20	1203	1208	1223	S01	W40	3607	02 17.5	20	SF		1208	88	1.2	
0679		20	1235	1239	1248	N06	W20	3608	02 19.0	13	SF			62	.6	
	HTPR	20	1232E		1244D	N06	W20	3608	02 19.0	12D	SF		1236	30	.3	
	WEND	20	1235	1239	1248	N05	W21	3608	02 18.9	13	SF		1239	94	1.0	
0680	WEND	20	1303	1305	1311	N04	E53	3613	02 24.5	8	SF		1305	56	1.0	
0681		20	17552	1806*	1938	S15	E65	3614	02 25.7	103	2B			335		EFSU
	BIGB	20	1755	1817	1932	S17	E65	3614	02 25.7	97	1B	3 C	1817	280		
	RAMY	20	1756	1806	1951	S15	E65	3614	02 25.7	115	2B	3 C		358		FE
	HOLL	20	1757	1808	1930	S14	E66	3614	02 25.7	93	2B	3 C		367		US
0682		20	1846	18461	1905	N00	W44	3607	02 17.5	19	SN			32		F
	HOLL	20	1846	1846	1911	S02	W45	3607	02 17.4	25	SN	3 C		33		F
	RAMY	20	1846	1847	1859	N02	W42	3607	02 17.6	13	SN	3 C		31		

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0683	HOLL	20	1947	1950	1956	S02	W43	3607	02	17.6	9	SN		3	C		24		F
0684	HOLL	20	2014	2016	2020	N04	W40	3607	02	17.8	6	SF		3	C		31		F
0685		20	21565	22029	2225	N02	W49	3607	02	17.2	29	SN					57	1.0	EJ
	CULG	20	2156	2202	2223	N02	W50	3607	02	17.2	27	SN			C	2202	40	.6	EJ
	BIGB	20	2156	2202	2230	N02	W48	3607	02	17.3	34	SN		3	C	2202	100	1.5	
	HOLL	20	2201	2211	2223	N02	W49	3607	02	17.2	22	SN		3	C		30		
0686	HOLL	20	2341	2344	2357	S01	W42	3607	02	17.8	16	SF		3	C		49		F
0687	YUNN	21	0029E	0029U	0032	S03	W46	3607	02	17.6	3D	1N			P	0029	161	2.4	D
0688		21	01241	0128*	0214	N00	W47	3607	02	17.5	50	SN	C 5.1				109	1.5	DEFK
	LEAR	21	0124	0128	0233	N01	W47	3607	02	17.5	69	SB		3	C		65		FEK
	PURP	21	0124	0130	0213	S01	W47	3607	02	17.5	49	SN	C 5.1		C	0130	132	2.0	E
	LEAR	21	0124	0141	0233	N01	W47	3607	02	17.5	69	SB		3	C		207		K
	CULG	21	0125	0130U	0221	S03	W48	3607	02	17.5	56	SN			C	0130	120	1.8	FK
	MANI	21	0126E	0128	0140	N02	W47	3607	02	17.5	14D	SN		1	V		60	.9	F
	YUNN	21	0127E	0133	0201	N01	W46	3607	02	17.6	34D	SB			P		129	1.9	F
	PEKG	21	0129E	0130	0155D	N00	W46	3607	02	17.6	26D	SN			P	0130	55	.8	DK
	PEKG	21	0129E	0141	0155D	S01	W48	3607	02	17.5	26D	SN			P	0141	101	1.5	E
0689	CULG	21	0153	0155U	0200	S08	E79	3618	02	27.0	7	SF			C	0155	40		
0690		21	0340E	0340	0347	S00	W50	3607	02	17.4	7D	SF					24	.4	D
	PEKG	21	0340E	0340	0347	N01	W49	3607	02	17.5	7D	SF			C	0343	17	.3	D
	CULG	21	0342E	0342U	0347	S02	W50	3607	02	17.4	5D	SF			P	0342	30	.4	
0691	LEAR	21	0852	0853	0903	N04	W47	3607	02	17.8	11	SF		3	C		18		
0692		21	1055	1059	1110	S00	W54	3607	02	17.4	15	SF					38	.6	D
	WEND	21	1055	1059	1110	S01	W51	3607	02	17.6	15	SF			C	1059	38	.6	
	KHAR	21	1057E	1059	1108D	N00	W56	3607	02	17.3	11D	SF			V	1100			D
0693	KANZ	21	1333	1333	1348	N05	W50	3607	02	17.8	15	SN		2					
0694	KANZ	21	1423	1427	1433	N04	W58	3607	02	17.3	10	SN		1					
		21	1530		1539	No Flare Patrol													
0695		21	1623	16238	1648	N04	W50	3607	02	17.9	25	SN					76	1.8	F
	HOLL	21	1623	1623	1643	N03	W49	3607	02	18.0	20	SF		3	C		43		F
	BIGB	21	1623	1631	1654	N04	W50	3607	02	17.9	31	SN		3	C	1631	110	1.8	
0696		21	18511	18561	1917	N04	W52	3607	02	17.9	26	SB	C 2.7				100	1.3	EF
	HOLL	21	1851	1856	1917	N03	W52	3607	02	17.9	26	SB		3	C		120		FE
	BIGB	21	1852	1857	1917	N05	W51	3607	02	18.0	25	SN	C 2.7	3	C	1857	80	1.3	
0697	BIGB	21	2049	2057	2205	S03	W58	3607	02	17.5	76	SN		3	C	2057	60	1.2	
0698	CULG	21	2147E	2147U	2147D	S06	E68	3618	02	27.0	76D	SF			P	2147	40		
0699	CULG	21	2311	2313	2321	S18	E05		02	22.3	10	SF			C	2313	20	.2	
0700		22	0207	02082	0224	N00	W56	3607	02	17.9	17	SN	C 1.4				70	1.4	EFJ
	CULG	22	0207	0207U	0213D	N00	W56	3607	02	17.9	6D	SF			P	0207	90	1.6	F
	YORO	22	0207	0208	0216	N00	W57	3607	02	17.8	9	SN	C 1.4		C	0208	67	1.2	EJ
	LEAR	22	0207	0210	0233	N01	W56	3607	02	17.9	26	SN		3	C		54		F
0701		22	0911	09132	0922	N02	W66	3607	02	17.4	11	SN	C 4.2				88	2.0	D
	MONT	22	0911	0913	0919	N03	W65	3607	02	17.5	8	SF	C 4.2		C	0913	50		D
	LEAR	22	0911	0915	0925	N01	W67	3607	02	17.4	14	SB		3	C		116		
	YUNN	22	0912E	0912U	0917D	N01	W64	3607	02	17.6	5D	SN			P	0912	80	1.9	D
	MANI	22	0913E	0914	0922D	N01	W68	3607	02	17.3	9D	1N		1	V		105	2.2	
0702	LEAR	22	0938	0938	0945	N01	W64	3607	02	17.6	7	SF		3	C		14		
0703	KHAR	22	1130E	1130	1143D	N06	E26	3613	02	24.4	13D	SF			P	1130	50	.6	E
0704	KHAR	22	1203E	1207	1213D	N06	E27	3613	02	24.5	10D	SF			P	1207	20	.2	D

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														Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0705	KHAR	22	1210E	1213	1223D	N00	W70	3607	02 17.3	13D	1N	P	1217	100		E
		22	1224		1246			No Flare Patrol								
		22	1256		1422			No Flare Patrol								
		22	1526		1606			No Flare Patrol								
		22	1726		1825			No Flare Patrol								
		22	1838		1914			No Flare Patrol								
		22	1921		1940			No Flare Patrol								
		22	2012		2019			No Flare Patrol								
		22	2059		2108			No Flare Patrol								
		22	2209		2215			No Flare Patrol								
		22	2219		2223			No Flare Patrol								
0706	LEAR	23	0311	0313	0318	N08	W61	3608	02 18.5	7	SF	3 C		14		
0707	LEAR	23	0318	0318	0324	S01	W75	3607	02 17.5	6	SN	3 C				
0708	KANZ	23	0948	0948	0952	N05	E12	3613	02 24.3	4	SF	1				
0709	KANZ	23	1114	1121	1210	N05	E12	3613	02 24.4	56	SF	1				
0710	KANZ	23	1253	1301	1320	S36	W18	3621	02 22.1	27	SN	1				G
		23	1450		1520			No Flare Patrol								
		23	1534		1551			No Flare Patrol								
0711	RAMY	23	1736	1737	1749	N05	E08	3613	02 24.3	13	SF	3 C		38		
0712		23	1738	1740	1754	N13	W38	3610	02 20.9	16	SF			24		K
	RAMY	23	1738	1740	1754	N13	W38	3610	02 20.9	16	SF	3 C		25		K
	RAMY	23	1738	1747	1754	N13	W38	3610	02 20.9	16	S	3 C		24		K
0713	HOLL	23	1808	1810	1818	N11	E89	3625	03 2.4	10	SF	3 C				
		23	1941		1951			No Flare Patrol								
0714	HOLL	23	2001	2003	2010	N11	W38	3610	02 21.0	9	SF	3 C		30		
		23	2018		2029			No Flare Patrol								
0715	BIGB	23	2048	2130	2159	N12	W40	3610	02 20.8	71	SN	3 C	2130	70	.9	
		23	2227		2232			No Flare Patrol								
0716	LEAR	24	0016	0017	0022	N12	W41	3610	02 20.9	6	SN	3 C		41		
0717	LEAR	24	0114	0115	0121	N13	E75	3625	03 1.7	7	SN	3 C				
0718	LEAR	24	0351	0353	0416	N11	E75	3625	03 1.8	25	SF	3 C				
0719	ABST	24	0827	0829	0831	N15	E80	3625	03 2.4	4	SF	C	0829	70		D
0720	YUNN	24	0936	0945	1000	S12	E60	3622	02 28.9	24	SN	C		64	1.3	E
0721	HTPR	24	1215	1224	1229	S12	E50	3619	02 28.3	14	SF	C	1224	20	.3	
0722	RAMY	24	1329E	1330	1336	N13	E80	3625	03 2.6	7D	SF	3 C				
0723		24	13304	13371	1356	S12	E50	3622	02 28.3	26	SN			80	.4	
	RAMY	24	1330	1337	1402	S13	E51	3622	02 28.4	32	SN	3 C		129		
	HTPR	24	1334	1338	1350	S12	E50	3622	02 28.3	16	SF	C	1338	30	.4	
0724	RAMY	24	1411	1412	1418	N11	E72	3625	03 2.0	7	SF	3 C				
0725	HTPR	24	1515	1526	1532	S12	E49	3619	02 28.3	17	SF	C	1526	30	.4	
0726		24	15511	15531	1601	N14	E70	3625	03 1.9	10	1B			110	1.9	EZ
	HTPR	24	1551	1554	1559	N15	E70	3625	03 1.9	8	SB			80	1.9	E
	RAMY	24	1552E	1552U	1554D	N13	E68	3625	03 1.8	2D	1B	3 C	1554	125		
	HOLL	24	1552	1553	1603	N15	E71	3625	03 2.0	11	1B	2 C		125		Z

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																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0727		24	1628.5	1633.5	1749D	N08	W04	3613	02	24.4	81D	SB				164	2.2	U
	HTPR	24	1628		1646D	N08	W05	3613	02	24.3	18D	1N		C	1637	220	2.2	
	RAMY	24	1628	1638	1749D	N07	W03	3613	02	24.5	81D	SB	3	C		193		
	HOLL	24	1633	1633	1725D	N08	W05	3613	02	24.3	52D	SB	2	C		80		U
		24	1726		1752	No Flare Patrol												
		24	1959		2015	No Flare Patrol												
0728	CULG	24	2150	2154	2203	N17	E66	3625	03	1.9	13	SF		C	2154	80		
0729	MANI	24	2336E	2337	2339	N16	E72	3625	03	2.4	3D	SF	1	V		40	.9	F
0730		25	00531	00562	0107	N14	E66	3625	03	2.0	14	SN				46	1.6	D
	CULG	25	0053	0056	0104	N15	E65	3625	03	1.9	11	SF		P	0056	60	1.6	
	YUNN	25	0054	0058	0110	N13	E66	3625	03	2.0	16	SN		C		32		D
0731		25	0114*	0129*	0156	N05	W10	3613	02	24.3	42	SN				151	1.6	EFJK
	CULG	25	0114	0148U	0158D	N06	W11	3613	02	24.2	44D	SN		P	0148	180	1.8	F
	PURP	25	0121		0150D	N06	W10	3613	02	24.3	29D	SN		V	0140	59	.6	
	PEKG	25	0129E	0129	0131	N07	W10	3613	02	24.3	2D	SF		P	0129	63	.7	E
	VORO	25	0136	0154	0214	N03	W11	3613	02	24.2	38	SN		C	0154	134	1.4	EJK
	YUNN	25	0142	0150	0202	N06	W09	3613	02	24.4	20	1N		C		321	3.4	F
0732	PEKG	25	0129E	0129	0130	N13	E64	3625	03	1.9	1D	SF		P	0129	84		E
0733		25	0200	0202	0211	N14	E67	3625	03	2.1	11	SN				52		EJ
	CULG	25	0148E	0152U	0158D	N16	E66	3625	03	2.1	10D	SF		P	0152	60		
	VORO	25	0200	0202	0211	N13	E68	3625	03	2.2	11	SN		C	0202	45		EJ
0734	PEKG	25	0337	0340	0342	N11	E65	3625	03	2.0	5	SN		P	0340	34		E
0735		25	0339.7	0340*	0403	N13	E60	3625	03	1.7	24	1B				113		EFHK
	LEAR	25	0339	0340	0405	N13	E59	3625	03	1.6	26	SN	3	C		51		K
	LEAR	25	0339	0350	0405	N13	E59	3625	03	1.6	26	1B	3	C		205		FHK
	PEKG	25	0346	0348	0400	N13	E61	3625	03	1.7	14	SN		P	0348	76		E
	PURP	25	0346E	0351	0357D	N13	E61	3625	03	1.7	11D	1B		P	0351	119		
0736	LEAR	25	0519	0520	0526	S06	E69	3626	03	2.4	7	SF	3	C		29		F
0737	LEAR	25	0524	0537	0541	N11	E62	3625	03	1.9	17	SF	3	C		15		F
0738		25	0631	0631.6	0652	N12	E62	3625	03	1.9	21	SF				45	2.0	DJT
	ABST	25	0630E	0631	0701	N13	E61	3625	03	1.9	31D	SF		P	0631	87	2.0	DJ
	LEAR	25	0631	0632	0651	N11	E62	3625	03	1.9	20	SF	3	C		19		
	PEKG	25	0637E	0637	0645	N12	E63	3625	03	2.0	8D	SF		P	0637	29		DT
0739	ABST	25	0706E	0710	0735	N17	E84	3628	03	3.7	29D	1F		P	0710	79		D
0740		25	0716.8	0724.2	0733	N13	E62	3625	03	2.0	17	1N				126	3.0	DEJK
	ABST	25	0716	0724	0734	N12	E61	3625	03	1.9	18	1N		C	0724	175	4.1	EJ
	PURP	25	0720	0724	0726D	N12	E64	3625	03	2.1	6D	1N		C	0724	99		
	HTPR	25	0720	0726	0731	N13	E63	3625	03	2.0	11	SN		C	0726	40	.8	E
	TACH	25	0721	0725	0732	N14	E65	3625	03	2.2	11	SB		C	0725	132		DK
	YUNN	25	0724	0725	0730	N12	E62	3625	03	2.0	6	1N		C		113	2.7	E
	CATA	25	0725E	0725	0740	N15	E59	3625	03	1.8	15D	1	2	P	0725	197	4.4	
0741		25	0830*	0837.8	0851	N14	E58	3625	03	1.7	21	1N				181	4.0	EF
	LEAR	25	0830	0840	0856	N13	E57	3625	03	1.6	26	1N	3	C		132		F
	YUNN	25	0831	0837	0850	N15	E59	3625	03	1.8	19	SN		C		32	.7	
	HTPR	25	0831	0841	0846	N15	E60	3625	03	1.9	15	SF		C	0841	80	1.6	E
	MANI	25	0837E	0839	0850D	N15	E60	3625	03	1.9	13D	SN	1	V		100	2.0	
	CATA	25	0840	0845	0845D	N15	E57	3625	03	1.7	5D	2	2	P	0845	562	11.8	
0742		25	0943	0949.1	1001	N14	E61	3625	03	2.0	18	1N				76	1.6	
	HTPR	25	0943	0949	1001	N13	E63	3625	03	2.1	18	SN		C	0949	40	.8	
	CATA	25	0945E	0950	0950D	N15	E59	3625	03	1.9	5D	1	2	P	0950	112	2.5	
0743	HTPR	25	0954	1001	1020	N12	E27	3618B	02	27.4	26	SF		C	1001	70	.8	E
0744		25	1228	1232.3	1300	N11	E24	3618B	02	27.3	32	SN				91	1.0	E
	HTPR	25	1228	1232	1300	N12	E24	3618B	02	27.3	32	SN		C	1232	70	.8	E
	CATA	25	1235E	1235	1240D	N10	E23	3618B	02	27.2	5D	S	2	P	1235	112	1.3	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks	
						Region	Lat	CMD									(10 ⁻⁶)	Disk			
0745		25	1230	1235	1240	N14	E60	3625	03	2.0	10	1B						120	2.6		
	HTPR	25	1230	1235	1240	N13	E60	3625	03	2.0	10	SB			C	1235	100	2.0			
	CATA	25	1235E	1235	1240D	N14	E59	3625	03	2.0	5D	1		2	P	1235	140	3.1			
0746		25	1439I	1443	1451	N14	E56	3625	03	1.8	12	1B						120	2.3	EF	
	HTPR	25	1439	1443	1451	N15	E58	3625	03	2.0	12	1N			C	1443	120	2.3	E		
	RAMY	25	1440	1443	1451	N13	E55	3625	03	1.8	11	SB		3	C		119		FE		
0747	HTPR	25	1606		1635D	N12	W65	3610	02	20.8	29D	SF			C	1607	30	.6	E		
0748	HTPR	25	1616		1635D	N07	W40		02	22.7	19D	SF			C	1622	20	.3	E		
		25	1656		1704	No Flare Patrol															
0749		25	1732	1811*	1926	N11	E66	3627	03	2.7	114	SN						51		K	
	RAMY	25	1732	1811	1926	N11	E66	3627	03	2.7	114	SN		3	C			39		K	
	RAMY	25	1732	1853	1926	N11	E66	3627	03	2.7	114	SN		3	C			63		K	
0750	RAMY	25	1855	1907	1917	N13	E59	3625	03	2.2	22	SN		3	C			110			
0751	RAMY	25	1952	1957	2052D	N05	E46	3624	03	1.3	60D	SN		3	C			124		F	
0752	CULG	25	2128	2130	2136	N22	E60	3628	03	2.5	8	SF			C	2130	80	1.9			
0753	CULG	25	2321E	2321	2324	N14	E54	3625	03	2.0	3D	SF			C	2321	60	1.1			
0754	CULG	25	2340	2342	2344	N14	E54	3625	03	2.1	4	SN			C	2342	70	1.3			
0755	PEKG	26	0211E	0211U	0218	S11	E37	3622	02	28.9	7D	SN			P	0211	25	.3	E		
0756		26	0302*	0319S	0355	N14	E65	3628	03	3.0	53	1N						204	5.7	EFU	
	PURP	26	0302	0319	0335D	N14	E68	3628	03	3.3	33D	2B			C	0319	244				
	MITK	26	0306	0320	0348	N15	E63	3628	03	2.9	42	1F			C	0320	140		E		
	PEKG	26	0311	0328U	0353	N13	E65	3628	03	3.0	42	SN			C	0328	55		FU		
	LEAR	26	0315	0324	0358	N12	E65	3628	03	3.0	43	1B		3	C		305		FE		
	YUNN	26	0336E	0338U	0358	N16	E64	3628	03	3.0	22D	2N			P	0338	241		F		
	CULG	26	0338E	0338U	0357	N17	E65	3628	03	3.1	19D	2B			P	0338	240	5.7			
0757		26	0315*	0335S	0346	N15	E48	3625	03	1.8	31	SB	M 1.7					157	1.7	DEF	
	PEKG	26	0315	0337	0348	N14	E47	3625	03	1.7	33	SB	M 1.7		C	0337	59	1.0	E		
	PURP	26	0319	0335	0335D	N14	E51	3625	03	2.0	16D	SB			V	0335	92	1.6			
	MITK	26	0332	0335	0345	N16	E48	3625	03	1.8	13	SN			C	0335			D		
	LEAR	26	0332	0336	0346	N13	E46	3625	03	1.6	14	1B		3	C		372		FE		
	YUNN	26	0336E	0338U	0338D	N16	E46	3625	03	1.6	2D	1N			P	0338	225	3.7			
	CULG	26	0338E	0338U	0338D	N18	E47	3625	03	1.7	2D	SB			P	0338	40	.6			
0758		26	0408*	0416*	0426	N14	E54	3625	03	2.2	18	SF						54	.8	D	
	LEAR	26	0408	0416	0421	N16	E54	3625	03	2.3	13	SF		3	C		20				
	LEAR	26	0422	0426	0431	N16	E55	3625	03	2.3	9	SN		3	C		96				
	PEKG	26	0426E	0426U	0426D	N11	E52	3625	03	2.1	9D	SF			P	0426	46	.8	D		
0759	LEAR	26	0508	0508	0519	S21	E90	3629	03	5.1	11	SF		3	C						
0760		26	0523	0528	0625	N16	E69	3628	03	3.4	62	SF						32		DET	
	PEKG	26	0523	0528	0625	N15	E69	3628	03	3.4	62	SF			C	0528	21		D		
	PEKG	26	0555E	0555U	0625	N17	E69	3628	03	3.5	30D	SF			C	0555	42		ET		
0761	LEAR	26	0614	0616	0625	S21	E88	3629	03	5.0	11	SF		3	C						
0762	PEKG	26	0616	0621	0630	N11	E50	3625	03	2.0	14	SF			P	0621	17	.3	D		
0763		26	0619	0621	0630	S04	E56	3626	03	2.4	11	SF						64	1.2	D	
	ABST	26	0619	0621	0630	S04	E56	3626	03	2.4	11	SF			C	0621	87	1.5	D		
	PEKG	26	0621E	0621	0621D	S04	E57	3626	03	2.5	11D	SF			P	0621	42	.8	D		
0764		26	0721I	0724I	0735	N16	E53	3625	03	2.3	14	SF	C 2.6					72	1.5	EFJ	
	HTPR	26	0721	0725	0730	N18	E54	3625	03	2.4	9	SF			C	0725	50	.8			
	ABST	26	0722	0724	0742	N15	E54	3625	03	2.4	20	1N	C 2.6		C	0724	122	2.2	EJ		
	LEAR	26	0722	0726	0733	N14	E52	3625	03	2.2	11	SF		3	C		43		F		
0765		26	0725	07264	0735	N16	E65	3628	03	3.2	10	SN						51	1.0	DFJ	
	LEAR	26	0725	0726	0734	N14	E63	3628	03	3.1	9	SN		3	C		26		F		
	ABST	26	0725	0726	0739	N18	E65	3628	03	3.2	14	1N			C	0726	87		DJ		
	HTPR	26	0725	0730	0733	N17	E67	3628	03	3.4	8	SN			C	0730	40	1.0			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0766		26	0729E	0732	0738	N13	E64	3628	03	3.1	9D	SN	C 2.2				51	1.7	DT
	PEKG	26	0729E	0731U	0731D	N14	E64	3628	03	3.1	2D	SF		C		0731	38		DT
	ATHN	26	0730E	0732	0738	N12	E63	3628	03	3.0	8D	SB	C 2.2	4	V	0732	64	1.7	
0767	HTPR	26	0801	0805	0810	N16	E47	3625	03	1.9	9	SF		C		0805	20	.3	
0768	ABST	26	0836	0840	0846	N15	E62	3628	03	3.0	10	SF		C		0840	87	2.0	DJ
0769		26	09079	09152	0928	N18	E52	3628	03	2.3	21	1N					120	2.2	F
	HTPR	26	0907	0915	0930	N18	E52	3628	03	2.3	23	SF		C		0915	30	.5	
	YUNN	26	0916	0917	0926	N17	E51	3628	03	2.3	10	1N		C			209	3.8	F
0770	HTPR	26	1146	1147	1150	S15	E27	3622	02	28.5	4	SF		C		1147	50	.6	E
0771	HTPR	26	1305	1307	1310	N14	E51	3625	03	2.4	5	SF		C		1307	30	.5	
0772	HTPR	26	1517	1520	1534	N17	E44	3625	03	2.0	17	SN		C		1520	80	1.1	E
		26	1625		2017	No Flare Patrol													
0773	BIGB	26	1736	1741	1753	S04	W86		02	20.3	17	SN		3	C	1741	70		
		26	2019		2043	No Flare Patrol													
		26	2045		2100	No Flare Patrol													
0774	CULG	26	2211	2217	2232	N20	E45	3628	03	2.4	21	SN		P		2217	80	1.2	
0775	CULG	27	0103	0104	0110	N21	E37	3625	03	1.9	7	SF		C		0104	40	.7	
0776	LEAR	27	0318	0319	0341	S14	E22	3622	02	28.8	23	SF		3	C		23		
0777	LEAR	27	0342	0342	0350	N17	E51	3628	03	3.0	8	SF		3	C		22		F
0778	LEAR	27	0343	0345	0354	S09	W04	3618	02	26.8	11	SF		3	C		35		F
0779		27	04591	05046	0516	S22	E83	3629	03	5.6	17	SF					40		
	CULG	27	0459	0504	0516	S20	E84	3629	03	5.6	17	SF		C		0504	40		
	LEAR	27	0500	0510	0517	S23	E82	3629	03	5.5	17	SF		3	C				
0780	CULG	27	0533E	0536U	0543	S07	E77	3631	03	5.0	10D	SF		P		0536	50		
0781		27	06261	06277	0635	S11	W88		02	20.6	9	SF					106		ADG
	YUNN	27	0626	0628	0634	S12	W83		02	21.0	8	1N		C			161		AG
	LEAR	27	0627	0627	0633	S11	W90		02	20.5	6	SF		3	C				
	PEKG	27	0629E	0634	0637	S10	W90		02	20.5	8D	SF		P		0634	50		D
0782	KANZ	27	0759		0809	S13	W90		02	20.5	10	SN		2					AG
0783	ISTA	27	0800		0820	S25	E90		03	6.3	20	SN							D
0784		27	08314	08356	0857	S21	E83	3629	03	5.7	26	1N					117		ACEFJ
	LEAR	27	0831	0836	0848	S23	E81	3629	03	5.6	17	1B		3	C				FE
	ABST	27	0832	0836	0903	S20	E85	3629	03	5.8	31	1N			C	0836	175		F
	KANZ	27	0833	0837	0902	S22	E80	3629	03	5.5	29	SB		2					
	HTPR	27	0834	0837	0842	S21	E75	3629	03	5.1	8	SN			C	0837	50		
	WEND	27	0834	0838	0858	S22	E85	3629	03	5.9	24	1N			C	0838	136		A
	ISTA	27	0835		0902	S20	E88	3629	03	6.1	27	2B							CJ
	CATA	27	0835	0835	0900	S19	E80	3629	03	5.5	25	1		2	C	0835	112		
	MANI	27	0836E	0837	0853D	S22	E81	3629	03	5.6	17D	1N		1	V		150		
	ATHN	27	0837E	0837	0916D	S17	E89	3629	03	6.1	39D	1B		1	V	0837	80		
	YUNN	27	0841E	0841	0900	S21	E87	3629	03	6.0	19D	SF			C				A
0785		27	08591	09023	0907	N16	E32	3625	03	1.8	8	SN					27		F
	KANZ	27	0859	0902	0906	N16	E32	3625	03	1.8	7	SN		3					
	LEAR	27	0900	0905	0908	N15	E32	3625	03	1.8	8	SN		3	C		27		F
0786	LEAR	27	0901	0902	0909	N04	E27	3624	03	1.4	8	SF		3	C		27		
0787		27	09242	09255	0939	S13	W89		02	20.7	15	SN					81		AG
	LEAR	27	0924	0926	0939	S12	W90		02	20.6	15	SN		3	C				
	HTPR	27	0924	0927	0936	S12	W90		02	20.6	12	SN			C	0927	50		
	CATA	27	0925	0925	0945	S15	W90		02	20.6	20	1		2	C	0925	112		
	YUNN	27	0926	0930	0936	S13	W84		02	21.0	10	SF			C				AG
	KANZ	27	0926	0930	0942	S13	W90		02	20.6	16	SN		1					

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/ USAF Region		CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0788	ISTA	27	0928		0943	S22	E90	03	6.3	15	SB							D
0789	KANZ	27	1017	1021	1029	N17	E51	03	3.3	12	SF		2					
0790		27	10401	10492	1058	N14	E31	03	1.8	18	SN					28	.3	
	KANZ	27	1040	1051	1059	N15	E31	03	1.8	19	SN		3					
	WEND	27	1041	1049	1058	N14	E31	03	1.8	17	SN			C	1049	28	.3	
0791	CATA	27	1105	1110	1120	S14	W90	02	20.7	15	1		2	P	1110	84		
0792		27	11332	11371	1157	S21	E80	03	5.6	24	1B					56		A
	KANZ	27	1133	1137	1204	S20	E81	03	5.7	31	SB		3					
	WEND	27	1135	1138	1150	S22	E79	03	5.5	15	1N			C	1138	56		A
0793	HTPR	27	1136	1137	1141	S15	E80	03	5.5	5	SB			C	1137	40		
0794	KANZ	27	1200	1200	1206	S12	E17	02	28.8	6	SF		3					
0795		27	13131	1318	1324	S22	E77	03	5.5	11	SF					34		
	WEND	27	1313	1318	1326	S22	E79	03	5.6	13	SF			C	1318	34		
	KANZ	27	1314	1318	1322	S22	E75	03	5.3	8	SF		3					
0796		27	14007	1418*	1536	S19	E04	02	27.9	96	1N					249	2.6	EIS
	HTPR	27	1400	1426	1550	S20	E04	02	27.9	110	1N			C	1426	260	2.6	ES
	KANZ	27	1407	1418	1506D	S18	E04	02	27.9	59D	SN		3					
	WEND	27	1421E	1428	1522	S18	E03	02	27.8	61D	1N			C	1428	238	2.6	I
0797	WEND	27	1551	1553	1555	N14	E29	03	1.8	4	SN			C	1553	31	.4	
0798	HTPR	27	1615		1648D	N20	E51	03	3.6	33D	SF			C	1620	20	.3	
0799	HTPR	27	1626	1632	1645	N16	E36	03	2.4	19	SF			C	1632	20	.3	
		27	1649		1656	No Flare Patrol												
		27	1711		1715	No Flare Patrol												
		27	1730		1746	No Flare Patrol												
		27	1809		1818	No Flare Patrol												
0800	HOLL	27	1916	1934	2113D	N15	E43	03	3.0	117D	SN		3	C		159		F
0801	HOLL	27	1929	1931	1951	S19	E68	03	5.0	22	SF		3	C		20		
		27	2124		2134	No Flare Patrol												
0802	CULG	27	2139U	2141U	2153U	N20	E31	03	2.3	14U	SN			P	2141	80	1.0	EJ
		27	2158		2213	No Flare Patrol												
		27	2216		2223	No Flare Patrol												
0803		28	0020	0021*	0036	N17	E31	03	2.4	16	SN					58	.7	DF
	MANI	28	0020	0021	0030	N16	E30	03	2.3	10	SB		1	V		80	1.0	F
	PEKG	28	0026E	0026	0027	N17	E31	03	2.4	1D	SN			P	0026	46	.6	D
	YUNN	28	0031E	0036	0051	N17	E31	03	2.4	20D	SN			P	0031	48	.6	D
0804	CULG	28	0105	0112	0130U	S20	E68	03	5.2	25U	SN			P	0112	60		
0805	CULG	28	0121	0123	0134U	N21	E45	03	3.5	13U	SN			P	0123	30	.5	D
0806	LEAR	28	0222	0224	0237	N15	E40	03	3.1	15	SF		3	C		30		F
0807	CULG	28	0347	0349	0351D	S15	W03	02	27.9	4D	SN			P	0349	30	.3	
0808		28	04021	04036	0423	N16	E28	03	2.3	21	SN					50	.7	EF
	LEAR	28	0402	0403	0424	N15	E27	03	2.2	22	SB		3	C		33		FE
	PEKG	28	0403	0405	0420	N15	E28	03	2.3	17	SN			C	0405	59	.7	E
	YUNN	28	0405E	0409	0425	N16	E29	03	2.4	20D	SN			P		48	.6	E
	MANI	28	0409E	0410U	0413D	N16	E27	03	2.2	4D	SN		1	V		60	.8	
0809		28	04202	04223	0445	S26	E64	03	5.1	25	SF					32	.9	F
	CULG	28	0420	0422	0441U	S24	E64	03	5.1	21U	SF			P	0422	40	.9	F
	LEAR	28	0422	0425	0445	S27	E64	03	5.2	23	SF		3	C		25		F

H - ALPHA SOLAR FLARES

FEBRUARY 1982

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0810	CULG	28	0421U	0423	0425D	S16	E03	3622A	02	28.4	4U	SF			P	0423	50	.5	E
0811	CULG	28	0423	0425U	0440U	S16	E24	3630	03	2.0	17U	SF			P	0425	40	.4	J
0812		28	04383	04447	0534	N14	E37	3628	03	3.0	56	SN					160	2.4	FJ
	CULG	28	0438	0448U	0456D	N15	E37	3628	03	3.0	18D	SN			P	0448	100	1.4	FJ
	LEAR	28	0440	0444	0533	N13	E35	3628	03	2.8	53	SN		3	C		108		F
	YUNN	28	0441	0445	0515	N14	E37	3628	03	3.0	34	1F			C		321	4.5	F
	PEKG	28	0441	0451	0555	N14	E36	3628	03	2.9	74	1N			C	0451	172	2.4	F
	MANI	28	0457E	0459U	0502D	N15	E39	3628	03	3.1	5D	SN		1	V		100	1.4	F
0813		28	0450	04521	0522	N19	E24	3625A	03	2.0	32	2B	M 2.0				511	5.4	EFIU
	PURP	28	0445E	0445U	0457D	N20	E25	3625A	03	2.1	12D	2B			V	0445	482	6.1	
	LEAR	28	0450	0452	0523	N19	E24	3625A	03	2.0	33	2B		3	C		927		FE
	PEKG	28	0450E	0453	0545	N20	E23	3625A	03	2.0	55D	2B	M 2.0		C	0453	610	7.7	FU
	MANI	28	0452E	0452U	0508	N17	E25	3625A	03	2.1	16D	1B		1	V		190	2.4	F
	YUNN	28	0452E	0453	0513	N21	E23	3625A	03	2.0	21D	2B			P		675	8.6	FI
	CULG	28	0455E	0456U	0456D	N19	E22	3625A	03	1.9	1D	1B			P	0456	180	2.2	F
0814		28	0453	0454	0459	N22	E04		02	28.5	6	SN					110	1.2	EFGI
	YUNN	28	0453	0454	0459	N22	E04		02	28.5	6	SN			C		129	1.5	EG
	CULG	28	0455E	0456U	0456D	N22	E03		02	28.4	1D	SN			P	0456	90	1.0	FI
0815	PEKG	28	0538	0540	0546	S10	W10	3619	02	27.5	8	SF			P	0540	17	.2	DH
0816		28	05492	05532	0606	N19	E43	3628	03	3.5	17	SN					45	.8	DEF
	YUNN	28	0549	0553	0607	N20	E43	3628	03	3.5	18	SN			C		48	.8	D
	LEAR	28	0551	0553	0608	N18	E42	3628	03	3.4	17	SN		3	C		28		F
	PEKG	28	0551	0555	0602	N19	E44	3628	03	3.6	11	SF			P	0555	59	.9	E
0817	LEAR	28	0558	0603	0610	S17	E23	3630	03	2.0	12	SN		3	C		42		
0818	LEAR	28	0625	0628	0640	N17	E42	3628	03	3.4	15	SN		3	C		42		F
0819		28	07082	0712	0717	N18	E21	3625	03	1.9	9	SN					50	.7	EF
	YUNN	28	0708	0712	0712D	N18	E22	3625	03	2.0	4D	SN			P		80	1.0	E
	LEAR	28	0709	0712	0718	N17	E21	3625	03	1.9	9	SN		3	C		29		F
	PEKG	28	0710	0712	0716	N19	E21	3625	03	1.9	6	SF			P	0712	42	.4	E
0820	LEAR	28	0747	0749	0752	S16	E20	3630	03	1.8	5	SN		3	C		29		
0821	LEAR	28	0751	0751	0805	N20	E36	3628	03	3.1	14	SF		3	C		38		
0822	LEAR	28	0813	0813	0822	N15	E37	3628	03	3.1	9	SB		3	C		19		EF
0823		28	0910	0906*	0930	S06	E28	3626	03	2.5	20	SB					151	1.7	EFHKL
	LEAR	28	0848E	0904U	0932D	S08	E27	3626	03	2.4	44D	SN		2	C		155		F
	YUNN	28	0904E	0906	0930	S06	E28	3626	03	2.5	26D	1B			P		225	2.6	
	PEKG	28	0910	0912U	0936D	S05	E28	3626	03	2.5	26D	SN			P	0912	63	.7	EHK
	PEKG	28	0910	0918	0936D	S05	E27	3626	03	2.4	26D	SB			P	0918	160	1.8	FL
0824		28	0917	0918	0906	N06	W52	3613	02	24.5	1429	SF					38	.4	DF
	LEAR	28	0848E	0849U	0906	N06	W52	3613	02	24.5	18D	SF		2	C		51		F
	PEKG	28	0917	0918	0918D	N07	W52	3613	02	24.5	1D	SF			P	0918	25	.4	D
0825	LEAR	28	0920	0921	0932D	N16	E26	3625	03	2.4	12D	SN		3	C		37		F
0826	KANZ	28	1119	1119	1142	N16	E22	3625	03	2.1	23	SN		3					
0827	KANZ	28	1142	1142	1149	N09	W17	3618B	02	27.2	7	SN		3					G
0828	KANZ	28	1223	1231	1245	N19	E31	3628	03	2.9	22	SN		3					
0829	KANZ	28	1326	1326	1330	N19	E33	3628	03	3.1	4	SF		3					
0830	KANZ	28	1337	1337	1345	S18	E18	3630	03	1.9	8	SF		3					
		28	1436		1439	No Flare Patrol													
		28	1503		2038	No Flare Patrol													
0831	HOLL	28	2039	2047	2128	N14	E26	3628	03	2.8	49	1B		3	C		232		EF

H - ALPHA SOLAR FLARES

65
Feb 82

FEBRUARY 1982

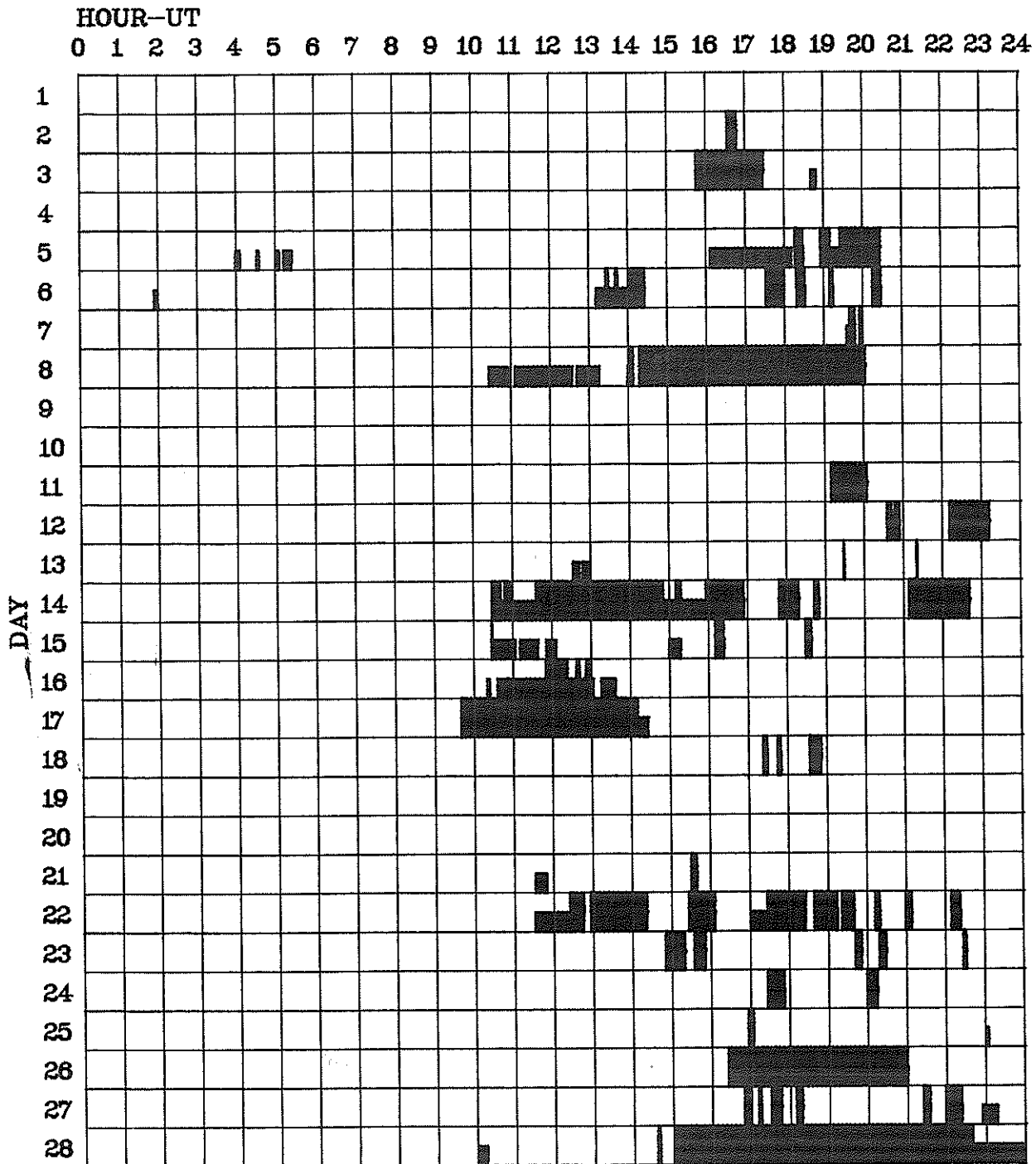
Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0832	HOLL	28	2106	2107	2114	S22	E57	3629	03	5.2	8	SN		3	C		20		F
			28 2129		2223	No Flare Patrol													
0833	HOLL	28	2224	2224	2242	S17	E14	3630	03	2.0	18	SF		3	C		38		F
0834	HOLL	28	2228	2234	2243	N16	E18	3625	03	2.3	15	SF		3	C		22		
0835	HOLL	28	2252	2254	2305	S19	E53	3629	03	5.0	13	SF		3	C		33		
0836	HOLL	28	2351	0007	0009D	N12	E15	3625	03	2.1	18D	SB		3	C		134		

"Remarks":

A = Eruptive prominence whose base is less than 90° from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in the neighborhood.
 H = Flare accompanied by high-speed dark filament.
 I = Active region very extended.
 J = Distinct variations of plage intensity before or after the flare.
 K = Several intensity maxima.
 L = Existing filaments show signs of sudden activity.
 M = White-light flare.
 N = Continuous spectrum shows effects of polarization.

O = Observations have been made in the H and K lines of Ca II.
 P = Flare shows helium D3 in emission.
 Q = Flare shows Balmer continuum in emission.
 R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
 S = Brightness follows disappearance of filament in same position.
 T = Region active all day.
 U = Two bright branches, parallel or converging.
 V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H-alpha line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE FEBRUARY 1982



Times of no flare patrol, shown here as shaded areas, combine reports from the observatories listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind, that is, of neither visual nor cinematographic; portions of a panel with only the bottom half shaded mark times of strictly visual patrol.

Abastumani
Athens
Bucharest
Catania

Culgoora
Haute Provence
Holloman
Istanbul
Kanzelhoehe

Kharkov
Learmonth
Lvov
Manila
Mitaka

Monte Mario
Palehua
Peking
Purple Mt.
Ramey

Tashkent
Upice
Voroshilov
Wendelstein
Yunnan

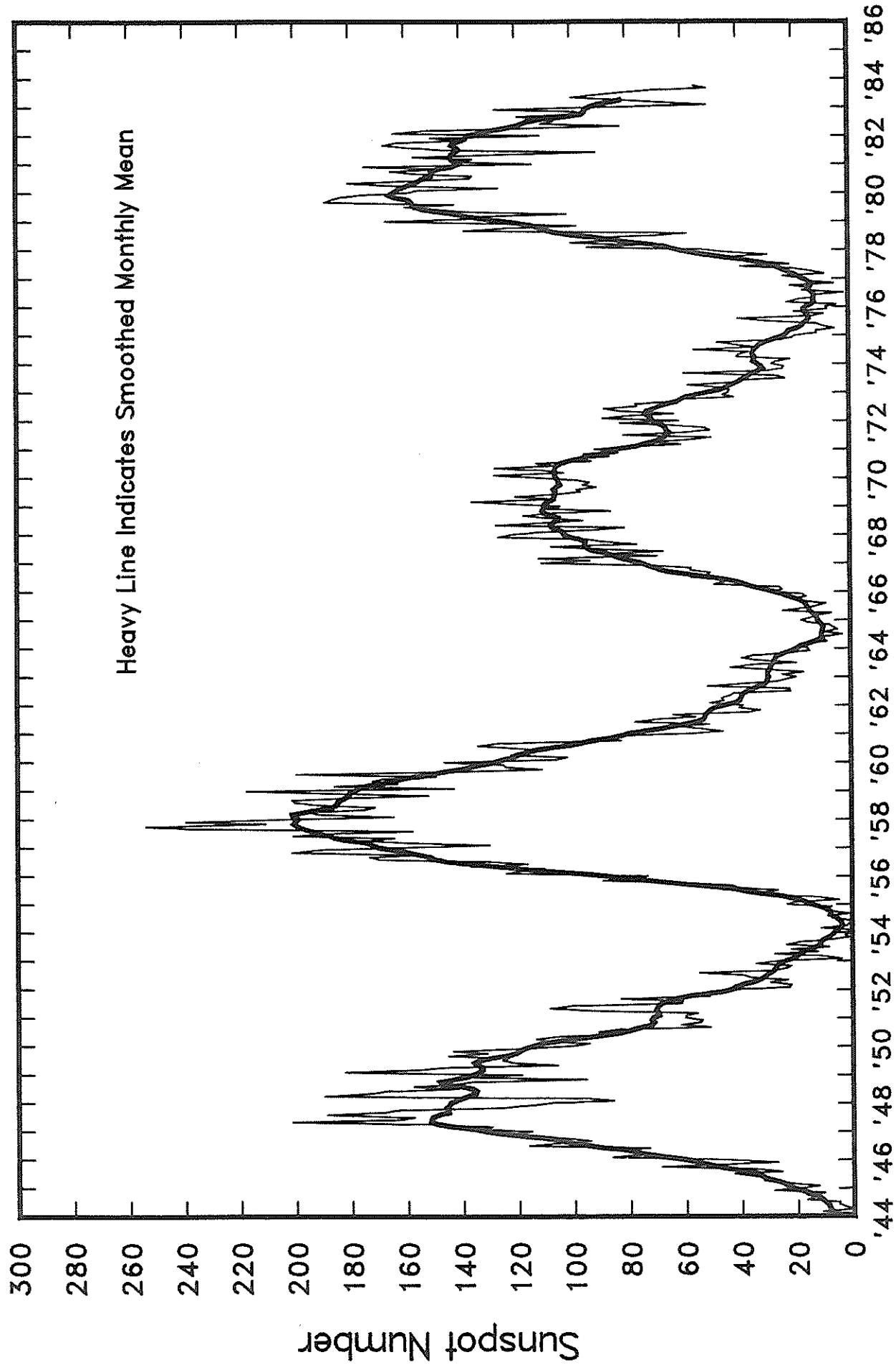
NUMBER OF SOLAR FLARES
(From the Grouped Flare Listings)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1966								391	558	432	417	543
1967	796	589	1009	694	771	629	907	911	573	946	775	1109
1968	1037	773	519	460	768	697	573	611	616	772	556	640
1969	581	504	669	655	839	694	489	551	540	643	566	422
1970	466	646	578	688	722	836	954	780	811	797	687	667
1971	598	505	387	546	461	430	713	673	518	375	431	394
1972	384	599	621	361	614	541	404	515	371	408	175	210
1973	221	171	410	453	388	270	232	182	353	201	136	163
1974	127	148	79	364	255	204	360	187	270	366	153	81
1975	68	82	69	19	42	85	196	346	68	38	127	25
1976	69	18	180	60	38	48	6	47	57	23	13	55
1977	54	77	18	76	64	210	140	140	250	252	107	336
1978	274	588	338	526	330	460	533	346	554	499	418	648
1979	926	781	731	731	907	772	750	821	901	1018	888	786
1980	703	689	621	1092	811	956	763	720	924	988	1027	838
1981	578	782	914	915	658	592	893	982	680	836	773	615
1982	631	836*										

* Preliminary

MONTHLY MEAN SUNSPOT NUMBERS

January 1944 - October 1983



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SOLAR IRRADIANCE (Daily Mean)
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Watts/m²

1978

[illegible]

SOLAR IRRADIANCE (Daily Mean)
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Watts/m²

1979

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1370.25	---	1372.37	1371.51	1371.10	1371.40	---	1371.39	1370.33	---	1371.19	1371.36
02	---	1371.84	1372.50	---	---	1371.13	1371.34	---	1369.71	1371.30	---	1371.16
03	1370.58	---	---	1371.40	1371.54	---	1370.98	1372.35	---	1371.11	1370.91	1371.19
04	1371.61	1371.55	1372.15	---	1371.52	1370.56	1371.23	1371.51	1368.74	1371.43	1370.64	---
05	1371.95	---	1372.51	1371.70	1371.96	1370.37	---	1371.98	1368.29	---	1370.95	1371.35
06	---	1371.90	1372.65	---	---	1370.63	1371.46	---	1368.27	1370.48	---	---
07	1370.90	---	---	1372.45	1372.06	---	1371.17	1371.77	1370.70	1369.98	1369.88	1372.06
08	1371.61	1372.10	1371.84	---	1371.80	1370.79	1371.59	1371.49	1370.62	1370.24	1368.82	---
09	1371.66	1372.29	1371.97	1371.80	1371.85	1370.82	1371.70	1371.67	1371.57	---	1369.17	1372.08
10	---	1372.09	1372.39	1371.70	---	1370.39	1371.69	1371.40	1371.62	1370.66	---	1372.02
11	1371.47	---	---	1371.67	1371.34	---	1371.44	1370.96	---	1370.35	1369.65	1371.58
12	1371.51	1371.71	1372.54	---	---	1370.65	1371.76	1370.66	1371.31	1370.64	1369.49	---
13	1371.77	1372.29	1372.95	1371.52	1371.25	1370.47	---	1370.74	1370.98	---	1370.00	1371.98
14	---	1372.35	1372.85	1371.26	1371.42	1370.56	1371.87	---	1370.60	1371.72	---	1371.53
15	1371.28	---	---	1371.47	1371.64	---	1371.41	1370.20	---	1371.40	1370.90	1371.69
16	1371.55	1371.41	1372.37	1371.31	---	1371.05	1371.55	1369.47	1371.75	1371.37	1370.98	---
17	---	1370.96	1372.26	1371.46	1372.09	1370.69	---	1369.42	1371.29	---	1371.29	1371.33
18	---	1370.47	1372.35	1371.48	---	1371.29	1371.35	---	1371.57	1370.43	---	---
19	1371.51	---	---	1371.88	1372.30	---	1371.30	1368.64	---	1370.65	1371.29	1371.23
20	1371.14	1370.39	1371.80	---	1372.04	1371.20	1371.25	1368.43	1370.96	1370.93	1370.83	---
21	1370.85	1371.01	1371.84	1371.65	1372.16	1371.27	---	1368.42	1370.41	---	1371.13	1370.83
22	---	1371.53	1372.09	1371.82	---	1371.61	1371.24	1368.00	1370.84	1371.42	---	1370.45
23	1370.50	---	---	1371.64	1372.12	---	1371.10	1368.70	---	1371.18	1370.90	1370.80
24	---	1371.96	1371.86	---	1372.03	1371.56	1371.55	1369.60	1371.24	1371.92	1370.49	---
25	1371.29	---	1372.00	1371.41	1372.25	1371.45	1371.60	1369.15	1370.90	---	1370.95	1371.48
26	---	1371.87	1371.84	1371.15	---	1371.87	1371.31	---	1371.13	1371.47	---	1371.49
27	1371.38	---	---	1371.17	1371.62	1372.00	1371.36	1368.77	---	1370.92	1371.52	1371.26
28	---	1371.90	1372.10	1371.00	1371.59	1371.73	1371.63	1369.08	1370.12	1371.13	1371.33	---
29	1372.23	---	1372.22	1371.16	1372.00	1371.70	---	1371.36	1369.60	---	1371.42	1371.26
30	---	---	1372.24	---	1371.90	1371.95	1371.22	---	1370.54	1371.22	---	1371.08
31	1372.76	---	---	---	---	---	1371.27	1371.05	---	1370.67	---	1371.55

SOLAR IRRADIANCE (Daily Mean)
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.Watts/m²

1980

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	1371.02	---	1371.36	1370.88	---	1371.38	1371.29	---	1371.34	1370.58	1370.70
02	1372.03	---	1371.71	---	1370.35	1370.96	1371.57	1371.29	1369.61	1371.50	1370.15	---
03	1371.63	1370.26	1371.61	1371.45	1370.51	1370.81	---	1371.56	1369.39	1372.20	1369.92	1371.25
04	1371.92	1370.29	1371.75	---	---	1371.01	1370.63	---	1369.70	---	---	1370.94
05	---	1370.69	---	1370.42	1370.95	---	1370.61	1371.17	---	1371.41	1369.33	1371.30
06	1372.00	---	1371.62	---	1370.98	1371.12	1370.73	1370.97	1370.49	1371.51	1369.04	---
07	1371.52	1370.70	1371.54	1369.26	1371.31	1370.95	1370.80	1370.85	1370.71	---	1369.11	1371.97
08	1371.59	1370.45	1371.42	1368.73	---	1371.46	1370.78	---	1371.65	1371.37	---	1371.83
09	---	1370.80	---	1369.19	1371.63	1371.90	1370.56	1370.98	---	1370.69	1369.08	1371.91
10	1371.55	---	1371.63	---	1371.40	1371.39	1370.72	1370.90	1371.75	1370.44	1368.99	---
11	1371.36	1370.97	1371.49	1369.15	1371.23	1371.21	---	1371.00	1371.56	---	1369.15	1371.57
12	1371.82	1370.91	1371.61	1369.59	---	1371.66	1370.62	---	1371.41	1369.90	---	1370.53
13	---	1371.21	1371.70	1370.14	1371.05	---	1370.21	1371.05	---	1369.76	1369.75	1370.65
14	1372.41	---	1371.47	---	1370.86	1371.50	1370.32	1371.24	1370.95	1370.76	1370.03	---
15	1371.40	1371.19	1371.36	1370.74	1371.48	1371.34	---	1371.85	1370.91	---	1370.53	1370.31
16	1371.48	1370.76	1371.73	1370.84	---	1371.30	1370.64	---	1371.32	1371.87	---	1369.96
17	---	1371.08	---	1371.48	1371.37	---	1370.43	1371.41	---	1371.59	1371.02	1370.48
18	1371.36	---	1371.71	---	1371.32	1371.68	1370.44	1371.29	1371.65	1371.55	1370.67	---
19	1371.31	1371.54	1371.49	1371.70	1371.44	1371.62	---	1371.35	1371.17	---	1370.69	1370.90
20	1371.41	1371.39	1371.54	1371.38	---	1371.84	1370.40	---	1371.11	1370.70	---	1371.01
21	---	1371.36	---	1371.25	1371.08	---	1370.53	1371.22	---	1370.17	1370.77	1371.62
22	1371.35	---	1371.53	---	1370.60	1371.17	1370.67	1370.93	1370.86	1370.17	1370.84	---
23	1370.85	1370.89	1371.34	1370.83	1370.23	---	---	1370.92	1370.64	---	1371.12	1371.38
24	1371.06	1370.83	1371.73	1370.54	---	---	1371.23	---	1370.97	1370.77	---	1370.90
25	---	1371.12	---	1370.86	1369.80	---	1371.37	1371.19	---	1371.04	1371.46	1371.29
26	1371.61	---	1371.93	---	1369.50	1371.43	1371.41	1370.81	1371.40	1371.49	1371.22	---
27	1371.61	1371.61	1371.62	1371.28	1369.95	1371.49	---	1370.79	1371.20	---	1371.50	1371.20
28	1371.91	1371.68	1371.55	1371.13	1370.00	1371.64	1370.96	---	1371.28	1371.20	---	1370.64
29	---	1371.73	---	1371.38	1370.59	---	1370.72	1370.41	---	---	1371.00	1370.77
30	1371.71	---	1371.18	---	1370.57	1371.12	1370.70	1369.64	1371.55	---	1370.48	---
31	1371.44	---	1371.02	---	---	---	---	1369.29	---	---	---	1371.56

SOLAR IRRADIANCE (Daily Mean)
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Watts/m²

1981

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1371.74	1370.89	1369.88	---	1371.17	1370.86	1370.21	1370.64	1371.17	1371.51	1370.52	---
02	1372.14	1370.24	1370.02	1371.82	1371.29	1370.98	1370.40	1370.89	1371.04	---	1370.21	1371.31
03	---	1370.34	1370.39	1371.36	---	1371.05	1370.58	---	1371.16	1371.62	---	1371.33
04	1370.83	---	---	1371.37	1370.99	1371.50	1370.71	1370.67	---	1371.14	1370.08	1371.74
05	1370.53	1371.04	1371.06	1371.70	1370.85	1371.37	1370.61	1370.51	1370.80	1370.97	1370.29	---
06	1371.21	1370.93	1370.52	1370.91	1370.65	1371.02	---	1370.47	1370.16	---	1370.80	1371.10
07	---	1370.86	1370.79	1370.49	---	1371.34	1370.56	---	1370.17	1370.95	---	1370.12
08	1371.02	---	---	1370.59	1370.81	---	1370.73	1369.67	---	1371.10	1371.06	1369.59
09	1371.05	1370.76	1370.60	---	1371.06	1371.46	1370.86	1369.57	1370.91	1371.52	1370.83	---
10	1371.22	1370.36	1370.46	1370.45	1370.84	1371.34	---	1369.93	1370.64	---	1370.76	1369.56
11	1371.80	1370.62	1370.96	1370.16	---	1371.34	1370.60	1370.30	1370.47	1370.29	---	1369.83
12	1371.74	---	---	1370.51	1370.73	---	1370.36	1370.65	---	1369.67	1370.39	1370.10
13	1371.21	1371.21	1371.11	---	1370.41	1370.66	1370.36	1370.90	1370.89	1369.23	1370.25	---
14	1371.61	1370.54	1371.05	1370.10	1370.56	1370.69	---	1371.84	1370.71	---	1370.71	1370.81
15	---	1370.52	1371.39	1370.06	---	1370.59	1370.29	---	1371.01	1369.13	---	1370.74
16	1371.63	---	---	1370.13	1370.18	1370.60	1370.33	1370.99	---	1368.63	1371.20	1370.76
17	1371.28	1370.41	1371.57	---	1370.24	1370.72	1370.42	1370.68	1371.43	1368.67	1370.92	---
18	1371.58	1370.07	1371.25	1370.16	1370.32	1370.87	---	1370.60	1371.02	---	1371.01	1370.88
19	---	1370.57	1371.35	1370.39	---	1371.28	1370.44	---	1371.16	1369.55	---	1370.59
20	1371.93	---	---	1370.78	1370.97	---	1369.83	1370.81	---	1369.62	1370.83	1370.84
21	1371.54	1370.84	1370.61	1370.80	1371.55	1371.18	1369.31	1370.76	1371.23	1370.29	1370.59	---
22	1371.71	1370.22	1370.43	1370.71	1371.66	1370.96	---	1371.11	1371.72	1370.60	1370.84	1371.21
23	---	1370.29	1370.77	1370.40	---	1370.99	1368.29	---	1371.89	1371.28	---	1370.90
24	1371.64	---	---	1371.05	1371.16	---	1367.88	1371.62	1372.30	1371.24	1371.10	1371.32
25	1371.36	1370.22	1371.04	---	1371.03	1370.45	1367.78	1371.42	1371.73	1371.15	1371.11	---
26	1371.44	1370.14	1370.77	1371.09	1371.05	1370.57	---	1371.09	1371.39	---	1371.27	1371.00
27	---	1370.03	1371.04	1370.99	---	1370.24	1368.03	1370.70	1371.44	1371.33	---	1370.47
28	1371.58	---	---	1370.96	1370.93	---	1368.38	1370.86	1371.52	1371.52	1370.30	1370.84
29	1371.41	---	1371.25	---	1370.86	1370.35	1368.97	1370.72	1371.39	1371.73	1370.10	---
30	---	---	1371.11	1371.13	1371.19	1370.22	1369.60	1370.88	1371.28	---	1370.35	1371.63
31	---	---	1371.54	---	---	1369.71	---	---	1370.98	---	---	---

SOLAR IRRADIANCE (Daily Mean)
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Watts/m²

1982

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1371.80	1368.55	1369.79	1371.18	1371.07	1371.15	1371.30	1370.44	1371.06	---	1371.79	1370.90
02	---	1369.28	1369.79	1371.26	---	1371.23	1370.86	---	1371.30	1370.85	---	1370.54
03	1371.59	---	---	1371.56	1371.17	1371.60	1370.79	1370.25	---	1371.12	1371.54	1370.24
04	1371.13	1370.74	1370.23	---	1370.93	1370.76	1370.99	1370.89	1371.40	1371.74	1371.15	---
05	1371.46	1370.62	1370.39	1371.08	1371.05	1370.49	---	1370.89	1371.11	---	1371.31	1369.74
06	---	1370.66	1370.64	1370.97	1371.10	1370.19	1370.90	---	1371.49	1371.57	---	1369.82
07	1371.58	---	---	1371.30	1370.70	---	1370.83	1370.72	---	1371.03	1370.99	1370.22
08	1371.08	1369.48	1371.32	1371.50	1370.79	1369.99	1371.05	1370.96	1371.39	1371.22	1370.85	---
09	1371.37	1368.86	1370.95	1371.28	1370.95	1369.51	---	1370.95	1371.29	---	1371.18	1370.21
10	---	1368.81	1371.05	1370.84	---	1369.53	1370.45	---	1371.30	1370.99	---	1369.66
11	1371.17	---	---	1370.44	1371.00	---	1369.68	1371.09	---	1370.78	1370.56	1369.74
12	1370.88	1369.56	1371.37	---	1371.10	1369.72	1369.49	---	1370.93	1370.91	1370.11	---
13	1370.66	1369.23	1370.93	1370.49	1371.21	1369.44	---	1371.24	1370.50	---	1369.76	1369.36
14	---	1369.94	1370.61	1369.97	---	1369.40	1368.73	---	1370.60	1370.73	---	1369.36
15	1370.39	---	---	1370.47	1370.99	---	1368.80	1370.79	---	1370.44	1369.63	1369.98
16	1369.87	1370.25	1369.38	---	1370.46	1368.55	1368.96	1370.51	1370.85	1370.70	1369.62	---
17	1370.42	1369.70	1368.78	1370.55	1370.56	1368.55	---	1370.46	1370.55	---	1370.09	1370.88
18	---	1369.79	1368.91	1370.24	---	1368.69	1369.93	---	1370.52	1370.85	---	1371.06
19	1370.74	---	---	1370.49	1370.81	---	1370.69	1370.58	---	1370.64	1370.12	1371.44
20	1370.67	1370.13	1369.87	---	1370.32	1368.67	1371.29	1370.52	1370.42	1370.78	1369.76	---
21	1370.77	1370.34	1370.00	1370.45	1370.17	1369.33	---	1370.45	1370.37	---	1369.49	1371.46
22	---	1370.85	1370.56	1370.21	---	1369.65	1371.30	---	1370.64	1370.70	---	1371.04
23	1370.87	---	---	1370.04	1370.40	---	1371.14	1369.78	---	1370.60	1370.17	1371.40
24	1370.74	1371.42	1370.02	---	1370.52	1370.59	1370.99	1369.59	1371.79	1370.68	1370.34	---
25	1371.08	1370.97	1369.76	1369.80	1370.98	1370.95	---	1369.49	1371.61	---	1370.85	1371.40
26	1371.20	1371.21	1369.91	1369.93	---	1371.44	1370.90	---	1371.51	1369.87	---	1370.70
27	1371.24	---	---	1370.70	1370.77	---	---	1369.24	---	1369.88	1371.26	1370.53
28	1370.26	1370.39	1370.03	---	1370.49	1371.40	1370.51	1369.30	1370.54	1370.87	1370.98	---
29	1369.75	---	1370.07	1371.36	1370.87	1371.17	---	1369.73	1369.82	---	1371.02	---
30	---	---	1370.23	1371.15	---	1371.13	1370.58	---	1370.55	1371.38	---	1370.25
31	1368.93	---	---	---	1371.23	1370.30	1370.50	1371.22	---	---	---	1370.89

SOLAR IRRADIANCE (Daily Mean)
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Watts/m²

1983

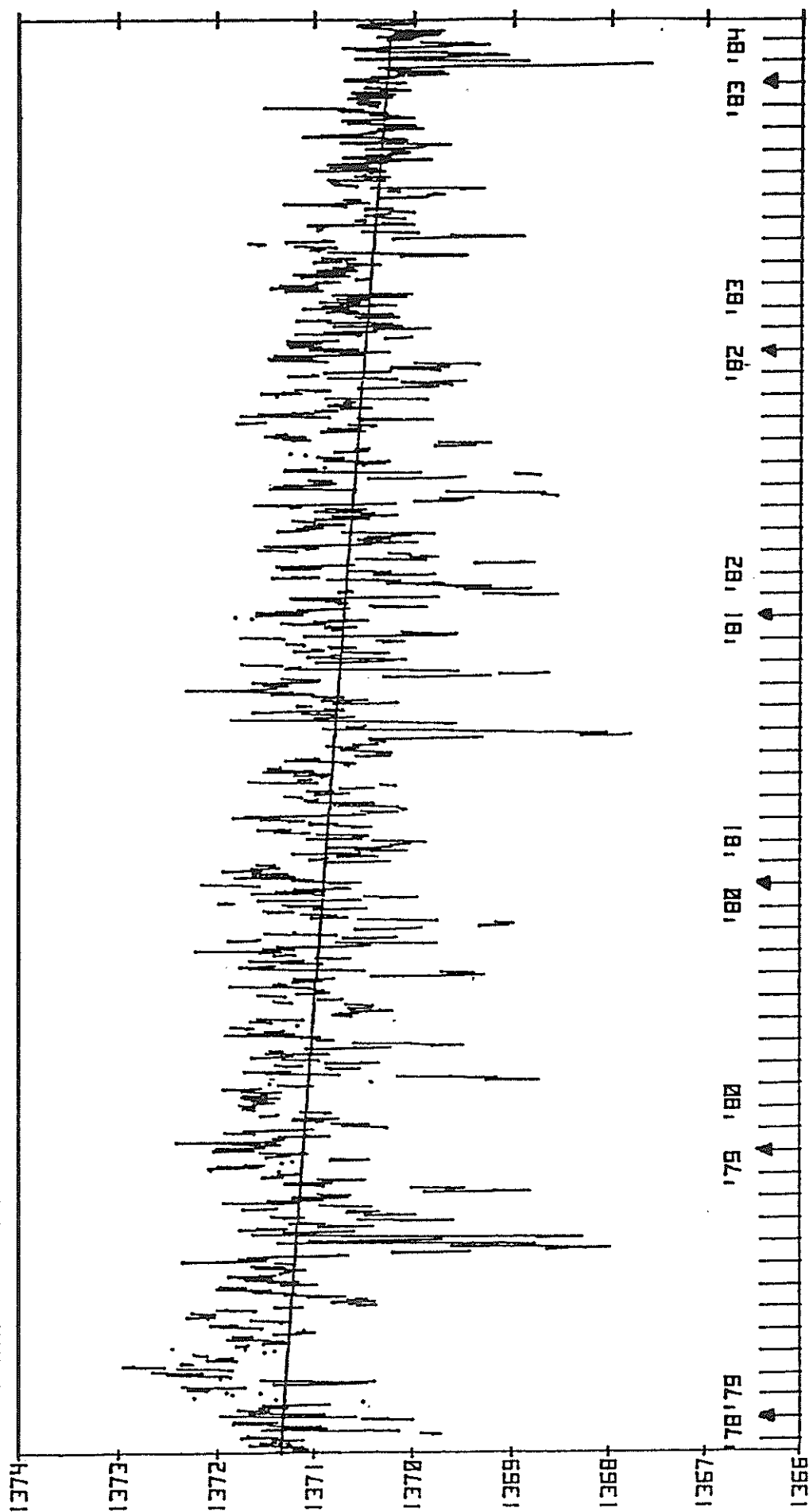
DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	1370.33	1370.91	1370.99	---	1370.91	1370.10	---	1370.43	1370.13	1369.93	1370.38
02	1371.05	---	---	1371.01	1371.00	---	1370.24	1369.86	---	1370.11	1370.11	1370.46
03	1370.57	1370.80	1370.90	---	1370.74	1370.21	1370.39	1369.71	1370.39	1370.23	1370.00	1370.40
04	1370.91	1370.13	1370.19	1370.98	1370.91	1370.17	---	1369.80	1370.30	1370.48	1370.31	1370.56
05	---	1370.40	1370.41	1370.76	---	1369.75	1370.49	---	1370.98	1370.28	1370.00	1370.36
06	1371.24	---	---	1370.89	1370.69	1368.90	1370.37	1370.15	---	1369.96	1370.07	1370.57
07	1370.95	1370.23	1370.73	---	1370.60	1368.95	1370.25	1370.25	1370.65	1369.92	1370.30	1370.36
08	1371.19	1370.38	1370.55	1370.58	1370.91	1369.30	---	1370.16	1370.39	1369.89	1370.66	1370.51
09	---	1370.85	1370.93	1370.44	---	1369.62	1370.01	---	1370.84	1369.93	1370.47	1370.46
10	1371.27	---	---	1370.48	1370.13	---	1370.16	1369.53	---	1369.65	1370.62	1370.54
11	1370.99	1371.17	1370.67	---	1369.51	1369.96	1370.24	1369.31	1370.74	1369.96	1370.54	1370.53
12	1370.94	1370.85	1370.49	1371.13	1369.47	1370.16	---	1370.42	1370.48	1370.42	1370.71	1370.66
13	---	1370.96	1370.76	1370.66	1369.70	1370.51	1370.49	---	1370.86	1370.73	1370.57	1370.24
14	1371.27	---	---	1370.99	1370.33	---	1370.23	1370.58	1370.72	1370.35	1370.31	1370.57
15	1370.77	1370.56	1370.67	1371.20	1370.41	1370.97	1370.47	1370.66	1370.64	1370.09	1370.26	1370.42
16	1370.77	1370.16	1370.09	1370.95	1370.86	1370.93	---	1370.79	1370.29	1370.07	1370.02	1370.53
17	---	1370.58	1370.39	1370.70	---	1370.97	1370.69	---	1370.48	1370.27	1370.17	1370.21
18	1370.28	---	1370.80	1370.69	1370.96	---	1370.76	1370.81	1370.15	1370.11	1370.15	1370.59
19	1370.04	1370.51	1370.41	---	1371.04	1370.95	1370.81	1370.76	1370.33	1370.29	1370.34	1370.36
20	1370.01	1370.22	1370.03	1370.97	1370.91	1370.87	1371.30	1370.83	1369.84	1370.41	1370.44	1370.62
21	---	1370.68	1370.41	1370.59	---	1371.06	1370.78	---	1370.47	1371.11	1370.32	1370.51
22	1370.56	---	---	1370.88	1370.79	1371.00	1370.47	1370.31	1370.71	1370.88	1370.27	1370.31
23	1370.52	1370.87	1371.29	---	1371.01	1370.01	1370.66	1370.80	1370.70	1370.94	1370.33	1370.06
24	1371.18	1370.58	1370.94	1370.81	1371.19	1370.12	---	1370.86	1370.25	1370.56	1370.71	1370.28
25	---	1370.81	1371.24	1370.62	---	1370.31	1370.57	---	1370.25	1370.52	1370.62	1370.19
26	1370.90	---	---	1370.67	1371.57	---	1370.54	1370.49	1370.48	1370.41	1370.75	1370.50
27	1370.39	1371.11	1371.44	---	1371.51	1370.50	1370.69	1370.26	1370.27	1370.46	1370.53	1370.36
28	1370.70	1370.66	1370.98	1370.58	1371.66	1370.58	---	1370.59	1370.09	1370.39	1370.70	1370.48
29	---	---	1371.25	1370.35	---	1370.49	1370.35	---	1370.24	1370.33	1371.50	---
30	1370.40	---	---	1370.66	1371.29	---	1369.88	1370.51	1370.06	1370.22	---	---
31	1369.85	---	1371.34	---	1370.82	---	1370.05	1370.49	1370.36	---	---	---

Watts/m²

1984

[illegible]

ERB NIMBUS 7 CAVITY PYRHELIOMETER SOLAR IRRADIANCE (W/M²) VS. TIME



SOLAR IRRADIANCE (Daily Mean)
SOLAR MAXIMUM MISSION (ACRIM 1)
Jet Propulsion Laboratory

Watts/m2

1980

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	---	1369.20	1368.72	1368.52	1368.31	1368.35	1368.36	1366.89	1368.28	1368.03	1368.15
02	---	---	1368.97	1368.78	1368.52	1368.19	1368.43	1368.32	---	1368.50	1367.92	1367.84
03	---	---	1369.00	1368.83	1367.75	1368.22	1368.29	1368.47	1366.46	1368.71	1367.57	1368.12
04	---	---	1369.01	1368.71	1367.90	1368.27	1368.18	1368.53	1366.47	1368.74	1367.23	1368.54
05	---	---	1368.99	1368.27	1368.24	1368.39	1368.16	1368.52	1367.03	1368.59	1366.97	1368.55
06	---	---	1368.80	1367.49	1368.47	1368.41	1368.29	1368.43	1367.66	1368.69	1366.74	1368.63
07	---	---	1368.80	1366.76	1368.74	1368.41	1368.28	1368.40	1368.17	1368.69	1366.62	1368.90
08	---	---	1368.78	1366.42	1368.92	1368.45	1368.22	1368.34	1368.57	1368.64	1366.43	1368.99
09	---	---	1368.61	1366.61	1369.08	1368.63	---	1368.40	1368.88	1367.17	1366.50	1369.00
10	---	---	1368.83	1366.92	1368.95	1368.47	1368.22	1368.46	1368.76	1367.88	1366.62	1368.43
11	---	---	1368.78	---	---	1368.53	1368.18	1368.51	1368.86	1367.29	1366.63	1368.35
12	---	---	1368.98	1367.26	1368.41	1368.41	1368.02	1368.71	1368.75	1367.14	1366.85	---
13	---	---	1368.92	1367.59	1368.34	1368.43	1367.82	1368.66	1368.58	1367.13	1367.02	---
14	---	---	1368.99	1367.81	1368.25	1368.38	1367.81	1368.72	1368.44	1367.23	---	---
15	---	---	1368.82	1368.22	1368.78	1368.26	1368.05	1368.99	1368.28	1368.01	---	1367.40
16	---	1368.02	1368.94	1368.59	1368.86	1368.36	1368.03	1368.90	1368.38	1368.53	---	1365.37
17	---	1368.14	1369.01	1369.03	1368.70	1368.56	1367.99	1368.61	1368.47	1368.83	---	1366.26
18	---	1368.30	1369.06	1369.23	1368.64	1368.85	1367.92	1368.47	1368.45	1368.73	1367.83	1366.02
19	---	---	1369.05	1369.35	1368.53	1368.96	1367.89	1368.44	1368.61	1368.31	1367.98	1366.18
20	---	1368.44	1369.00	1369.27	1368.35	1368.81	1368.06	1368.25	1368.39	1367.86	1367.99	---
21	---	1368.61	1368.79	1368.88	1368.16	1368.57	1368.07	1368.32	1368.24	1367.64	1368.21	1365.98
22	---	1368.53	1368.85	1368.47	1367.86	1368.28	1368.20	1368.49	1368.10	1367.30	1368.34	1365.03
23	---	1368.45	1368.87	1368.37	1367.54	1368.03	1368.48	1368.42	1367.71	1367.34	---	1366.33
24	---	1368.22	1368.82	1368.35	1367.27	1368.00	1368.64	1368.26	1367.81	1367.61	---	1367.32
25	---	1368.19	1369.18	1368.53	1367.17	1368.11	1369.24	1368.20	1367.94	1368.11	---	1367.95
26	---	1368.51	1369.22	1368.66	1367.18	1368.26	1369.35	1368.12	1368.38	1368.11	---	---
27	---	1368.71	1369.24	1368.74	1367.39	1368.40	1369.19	1368.11	1368.62	1368.31	---	1367.78
28	---	1369.01	1369.16	1368.80	1367.61	1368.50	1368.98	1367.98	1368.55	1368.36	---	1367.42
29	---	1369.19	1369.02	1368.68	1367.91	1368.36	1369.00	1367.96	1368.30	1368.31	---	1367.34
30	---	---	1368.71	1368.60	1368.27	1368.23	---	1367.56	1368.42	1368.37	---	1367.83
31	---	---	1368.54	---	1368.39	---	1368.44	1367.04	---	1368.01	---	1367.95

SOLAR IRRADIANCE (Daily Mean)
SOLAR MAXIMUM MISSION (ACRIM 1)
Jet Propulsion Laboratory

Watts/m²

1981

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1368.25	---	1367.34	1368.27	1368.03	1367.86	1366.87	1367.12	1368.25	1368.30	1367.50	1368.30
02	1368.68	1367.43	1367.97	1368.58	1368.82	1366.96	1366.53	1367.32	1368.15	1368.18	1367.19	1368.29
03	1367.92	1367.59	1367.87	1368.65	1368.37	1367.82	1367.43	1367.25	1368.03	1368.45	1366.99	1368.55
04	1368.86	1368.23	1367.65	1368.62	1367.79	1368.49	1367.65	1366.92	1367.65	1368.15	1366.85	---
05	1367.96	1368.21	1368.16	1368.51	1367.72	1367.96	1368.20	1366.97	1367.47	1368.21	1367.44	---
06	1368.94	1366.15	1367.72	1367.89	1367.18	---	1368.14	1366.88	1366.78	1366.75	1367.87	1368.24
07	1369.25	1367.74	1367.38	1367.84	1367.73	1368.04	1367.73	1366.70	1366.90	1367.63	1367.93	1367.17
08	---	1367.60	1367.47	1367.69	1367.67	1367.91	1367.62	1366.48	1365.17	1368.03	1368.15	1366.94
09	---	1367.80	1367.79	1367.67	1367.92	1368.25	1367.83	1366.51	1367.26	1367.82	1368.27	1366.19
10	1369.28	1367.55	1367.79	1367.00	1367.82	1367.71	1367.95	1366.88	1367.69	1367.84	1367.29	1366.54
11	1369.06	1367.92	1367.86	1367.31	1367.24	1367.79	1367.52	1366.83	---	1367.23	1367.83	1367.25
12	---	1367.65	1368.02	1366.48	---	1367.63	1367.90	1367.67	1367.20	1366.78	1367.52	1367.54
13	---	1367.98	1368.21	1366.53	1367.70	1367.82	1367.49	1368.19	---	1366.33	1367.12	1367.93
14	1368.62	1367.46	1368.00	1367.08	1368.25	1367.60	1367.51	1368.29	1367.82	1365.87	1367.81	1368.17
15	---	1367.72	1367.04	1367.63	1367.35	1367.37	1367.62	1367.67	1368.08	1365.96	1368.07	1368.08
16	1367.88	1367.35	1367.78	1367.94	---	1367.34	1367.16	1367.51	1367.80	1365.86	1368.31	1368.05
17	1369.17	1367.72	1368.00	1367.08	---	1367.26	1367.51	1367.23	1367.95	1365.83	1368.47	1367.69
18	1369.01	1367.17	1368.25	1367.20	1367.67	1367.62	1365.91	1367.37	1367.38	1366.15	1367.81	1368.12
19	1368.66	1368.10	1367.64	1367.86	---	1367.96	1367.18	1366.88	1367.39	1366.49	1367.82	1368.04
20	1367.81	1368.07	1367.79	1367.83	1366.86	1368.16	1366.76	1367.10	1367.96	1366.98	1368.00	1367.92
21	1368.52	1368.23	1367.06	1367.95	---	1367.78	1366.87	1367.75	1368.23	1367.63	1368.11	1367.91
22	1368.93	1367.42	1367.30	1367.91	1367.91	1367.86	1365.80	1367.35	1367.80	1368.30	1367.93	1368.29
23	1368.66	1367.28	1367.80	1367.33	1367.69	1367.67	1365.10	1367.24	1367.78	1368.35	1368.50	1367.92
24	---	1368.28	1367.92	1367.65	---	1367.33	1364.88	1367.25	1368.37	1368.24	1368.94	1367.65
25	1368.07	1367.61	1367.46	1368.13	1368.60	1367.31	1364.70	1367.32	1368.48	1368.32	1367.71	1367.81
26	1368.63	1367.01	1367.83	1368.47	1368.03	1367.72	1364.94	1366.98	1368.34	1368.60	1368.06	1367.74
27	1368.32	1367.62	1367.71	1368.25	1367.74	1367.05	---	1367.10	1368.76	1368.48	1368.27	1367.80
28	1368.58	1367.37	1367.61	1368.09	1367.78	1367.18	---	1367.74	1368.00	1368.75	1368.26	1368.10
29	1368.62	---	1367.92	1368.11	1368.15	1367.27	---	1367.75	1367.72	1368.49	1367.61	---
30	1368.13	---	1368.02	1368.34	1368.26	1367.26	---	1368.04	1367.94	1368.43	1367.84	---
31	---	---	1368.46	---	1367.50	---	---	1367.92	---	1368.21	---	---

SOLAR IRRADIANCE (Daily Mean)
SOLAR MAXIMUM MISSION (AGRIM 1)
Jet Propulsion Laboratory

Watts/m2

1982

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1368.51	1366.49	1366.86	1368.07	1367.69	1368.18	1367.56	1368.15	1368.06	1367.18	1368.56	1367.57
02	1368.22	1366.69	1366.51	1368.15	1367.76	1367.78	1368.00	1367.75	1367.85	1367.52	1369.10	1367.13
03	1368.22	1367.28	1367.45	1368.36	1367.57	1367.39	1368.61	1367.56	1367.61	1368.05	1368.19	1367.10
04	1368.48	1367.28	1367.48	1368.05	1367.60	1367.78	1368.03	1367.34	1367.77	1368.58	1368.59	1367.06
05	1368.22	1367.70	1367.35	1367.83	1367.32	1367.41	1367.63	1367.05	1367.75	1368.66	1368.22	1366.93
06	1368.40	1367.24	1367.85	1367.81	1367.34	1366.51	1368.02	1367.25	1368.33	1368.33	1367.52	1367.36
07	1368.40	1366.70	1368.00	1368.02	1367.16	1366.40	1368.09	1367.05	1368.22	1368.20	1368.14	---
08	1367.97	1365.88	1368.12	1368.28	1367.29	1365.88	1367.00	1366.88	1368.15	1367.96	1368.28	1367.97
09	1368.36	1366.11	1367.99	1367.82	1367.68	1366.40	1367.69	1367.26	1368.18	1367.81	1367.98	1367.59
10	1367.84	1365.31	1368.02	1367.61	1367.11	1366.48	1367.42	1367.25	---	1367.96	1368.13	1367.69
11	1368.31	1365.64	1367.80	1367.26	1367.83	1366.81	1366.99	1367.64	1368.13	1367.96	1367.49	1367.39
12	1368.40	1366.31	1367.70	1367.25	1367.96	1366.96	1366.60	1367.91	1367.84	1367.90	1367.09	1367.28
13	1367.75	1366.58	1367.66	1367.17	1367.79	1366.53	1366.40	1367.94	1367.91	1367.45	1366.73	1366.81
14	1368.05	1366.88	1367.48	1367.07	1367.44	1366.24	1365.88	1367.91	1367.56	1367.48	---	1366.52
15	1367.56	1367.12	1365.18	1367.65	1367.36	1366.01	1366.21	1367.42	---	1367.47	---	1367.08
16	1367.60	1366.96	1364.25	1367.60	1367.34	1366.05	1365.83	1367.24	1367.18	1367.33	1367.48	1367.18
17	1367.85	1366.34	1364.76	1367.53	1367.27	1365.33	1366.19	1367.94	1367.59	1367.56	1367.25	1368.29
18	1367.87	1367.04	1364.62	1367.80	1367.22	1365.26	1367.08	1366.97	1366.86	1367.46	1367.82	1368.68
19	1368.22	1366.62	1365.71	1367.34	1367.49	1366.05	1368.13	1367.26	1367.50	1367.41	1367.22	1368.21
20	1368.47	1367.26	1366.48	1367.27	1367.60	1365.71	1368.60	1366.70	1366.75	1367.87	1367.47	1368.30
21	1368.45	1367.43	1366.88	1367.49	1367.50	1366.34	1368.18	1367.25	1367.74	1367.80	1368.24	1368.00
22	1368.37	1367.65	1367.23	1367.75	1367.41	1366.55	1368.38	1366.73	1367.72	1367.79	1366.80	1367.80
23	1368.65	1367.99	1367.08	1367.04	1367.98	1367.09	1368.13	1366.91	1368.20	1368.30	1366.83	1367.68
24	1368.27	1368.05	1366.59	1367.02	1367.88	1367.17	1367.65	1366.81	1367.38	1367.67	1367.09	---
25	1368.55	1368.12	1366.75	1366.94	1368.20	1367.45	1367.56	1366.66	1367.64	1367.73	1367.82	1367.87
26	1368.50	1368.23	1366.63	1367.28	1367.72	1367.95	1367.58	1366.45	1368.13	1367.77	1367.91	---
27	1368.55	1367.93	1366.56	1367.69	1367.75	1368.85	1367.66	1366.76	1367.49	1367.66	1368.09	---
28	1368.05	1367.41	1366.53	1368.48	1367.79	1367.44	1367.25	1367.08	1367.03	1368.46	1367.76	1367.23
29	1366.69	1367.18	1366.34	1368.34	1367.40	1367.08	1367.38	1367.17	1367.11	1368.38	1367.38	1367.71
30	1366.43	1367.35	1367.93	1367.93	1367.73	1367.70	1367.38	1367.62	1367.28	1368.29	1366.87	---
31	1365.49	1367.33	1367.33	1367.53	1367.53	1367.75	1367.75	1367.75	1367.75	1367.79	1367.79	1367.60

SOLAR IRRADIANCE (Daily Mean)
SOLAR MAXIMUM MISSION (ACRIM 1)
Jet Propulsion Laboratory

Watts/m2

1983

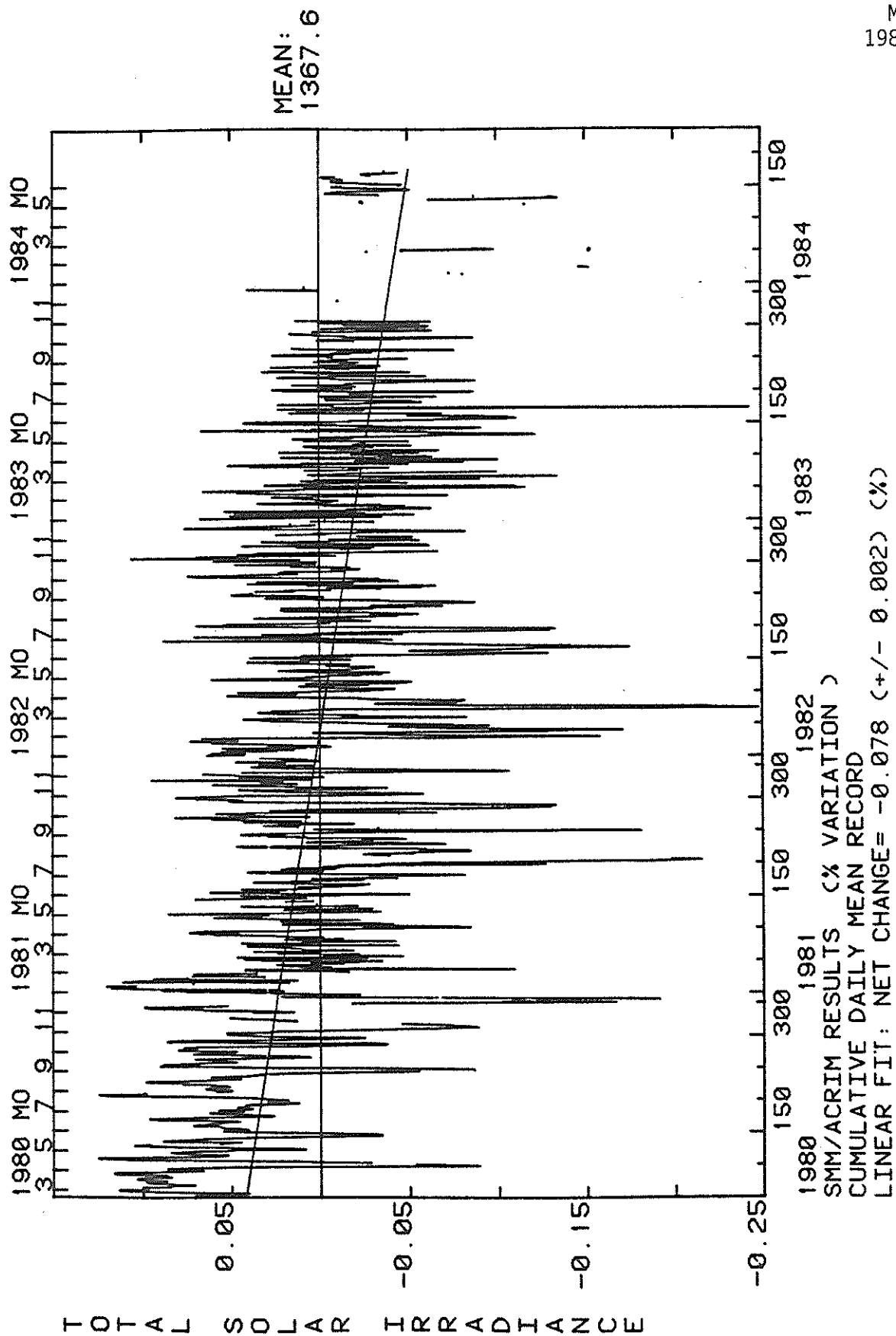
DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	1367.73	1367.79	1367.35	1366.96	1367.40	1366.85	1367.06	1367.68	---	---	---
02	1368.56	1367.84	1367.09	1366.71	1367.77	1367.41	1367.23	1366.91	1367.43	---	1366.79	---
03	1367.55	1367.80	1367.68	1366.27	1367.52	1366.86	1366.93	1366.44	1367.65	1367.38	1367.82	---
04	1367.46	1368.02	1366.40	1367.22	1367.77	1366.69	1367.60	1366.97	1367.47	1367.66	---	1367.50
05	1367.16	1367.23	1366.81	1367.69	1367.85	1366.29	1367.58	1367.50	1367.55	1367.55	---	---
06	1368.33	1367.24	1366.90	1367.94	1367.39	1366.13	1367.57	1367.53	1366.96	1367.01	---	---
07	1367.99	1366.65	1367.33	1366.77	1367.38	1366.37	1367.60	1367.58	---	1367.15	---	---
08	1366.91	1367.24	1365.81	1366.82	1367.64	1366.19	1367.29	1367.96	1367.57	1366.45	---	---
09	1367.65	1367.94	1367.47	1367.08	1366.89	1366.43	1366.74	1367.75	1367.53	1367.45	---	---
10	1368.50	1368.16	1367.73	1367.40	1366.85	1366.96	1367.64	1366.82	1367.61	1367.44	---	---
11	1367.29	1368.28	1367.63	1367.08	1366.60	1366.78	1367.22	1367.56	1368.00	1367.51	---	---
12	1367.62	1368.11	1367.51	1367.39	1365.98	---	1367.25	1367.23	1367.96	1367.69	---	---
13	1368.58	1368.54	1367.59	1366.87	1366.51	1366.70	1367.41	1367.33	1367.40	1367.67	---	---
14	1367.95	1367.82	1367.00	1367.95	1366.62	1367.87	1367.31	1367.56	1367.56	1367.87	---	---
15	1367.23	1367.97	1366.28	1367.56	1366.88	1367.59	1367.28	1367.76	1367.51	---	---	---
16	1367.08	1367.70	---	1367.30	1366.82	1367.69	1367.42	1366.94	1367.23	---	---	---
17	1367.43	1367.13	1367.76	1366.72	1367.43	1367.82	1366.45	1368.08	1367.49	1367.69	---	---
18	1366.78	1366.75	1367.34	1367.11	1368.56	1367.30	1367.92	1367.94	1367.41	1367.11	---	---
19	1367.03	1366.06	1367.41	1367.51	1367.03	1367.29	1367.89	1367.83	1366.60	1366.77	---	---
20	1367.02	1367.77	1367.41	1367.47	1367.70	1367.97	1368.01	---	1367.62	1367.35	---	1367.65
21	1366.99	1366.13	1367.13	1367.69	1366.55	1367.67	1367.65	1367.41	1367.78	1367.03	---	1368.20
22	1367.62	1368.07	1367.10	1367.23	1366.39	1364.32	1367.38	1367.60	1367.85	1367.63	---	---
23	1367.17	1367.90	1368.18	1367.77	1366.80	1367.53	1367.50	1367.21	---	1367.38	---	---
24	1367.95	1367.76	1367.89	1367.52	1367.35	---	1367.64	1368.01	---	1366.82	---	---
25	1368.12	1367.64	1368.35	1366.93	1367.23	1367.54	1367.55	1367.64	---	1367.05	---	1367.76
26	1367.92	1366.96	1368.03	1367.29	1367.63	1367.74	1367.46	1367.17	---	1366.80	---	---
27	1367.59	1367.14	1366.95	1367.39	1367.50	1367.96	1367.85	1367.63	---	1367.46	---	---
28	1367.53	1367.30	1367.78	1367.30	1367.93	1367.40	1367.47	1367.40	---	1367.18	---	---
29	1367.67	---	1367.31	1367.30	1368.20	1367.28	1367.44	1367.37	---	1366.87	---	---
30	1367.49	---	1366.53	---	1368.23	1367.19	1367.40	1367.47	---	1367.52	---	---
31	1367.65	---	1367.37	---	1368.13	1367.03	1367.03	1367.34	---	1367.64	---	---

SOLAR IRRADIANCE (Daily Mean)
SOLAR MAXIMUM MISSION (ACRIM 1)
Jet Propulsion Laboratory

Watts/m2

1984

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	---	---	---	1366.06	1367.00	1367.23	1367.36				
02	---	---	---	---	---	1367.26	1367.43	1367.39				
03	---	---	---	---	---	1367.35	1367.30	1367.34				
04	---	---	---	---	1367.31	1367.50	1367.36	1367.39				
05	---	---	---	---	1367.33	1367.55	1367.45	1367.40				
06	---	---	---	---	1367.31	1367.55	1367.37	1367.45				
07	---	---	---	---	1367.12	1367.46	1367.43	1367.35				
08	---	---	---	---	1366.79	1367.46	1367.42	1367.24				
09	---	---	---	---	1366.35	1367.47	1367.38	1367.14				
10	---	---	---	---	1365.97	1367.58	1367.32	1367.15				
11	---	---	---	---	1365.80	1367.61	1367.25	1367.23				
12	---	---	---	---	1365.88	1367.63	1367.33	1367.28				
13	---	---	---	---	---	1367.52	1367.44	1367.35				
14	1366.54	---	---	---	1366.45	1367.41	1367.40	1367.34				
15	---	---	---	---	---	1367.25	1367.39	1367.24				
16	1366.64	---	---	---	1367.18	1367.28	1367.32	---				
17	---	---	---	---	1367.45	1367.32	1367.29	1367.07				
18	---	1367.28	---	---	1367.60	1367.25	1367.29	1367.04				
19	---	---	---	---	1367.55	1367.07	1367.23	1367.00				
20	---	1367.00	---	---	1367.53	1367.04	1367.25	1366.94				
21	---	1366.29	---	---	1367.37	1367.14	1367.16	1366.93				
22	---	1366.47	---	---	1367.23	1367.14	1367.14	1366.99				
23	---	---	---	---	1367.05	1367.09	1367.13	1366.97				
24	1365.57	---	---	---	1366.94	1367.09	1367.15	---				
25	1365.64	---	---	---	1366.98	1364.70	1367.15	1366.96				
26	---	---	---	1364.70	1367.18	1364.70	1367.17	1367.01				
27	---	---	---	---	1367.41	1366.97	1367.10	1367.05				
28	---	---	---	---	1367.55	1367.22	1367.17	---				
29	---	---	---	---	1367.46	1367.33	1367.15	---				
30	---	---	---	---	1367.25	1367.25	1367.50	---				
31	---	---	---	---	1367.03			---				



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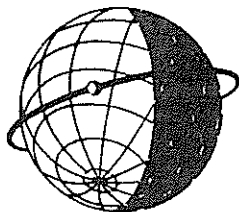
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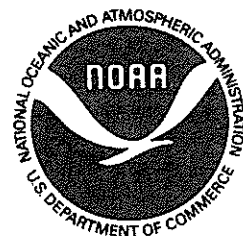
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WORLD DATA CENTER A

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