H - ALPHA S O L A R F L A R E S

APRIL 1982

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001	CULG	01	0022E	0022U	0024D	N18	E04	3667	04	1.3	2D	SF			P	0022	60	.6	
0002		01	0220	0223	0234	N07	W45	3659	03	28.8	14	SB					68	1.1	EF
	CULG	01	0219E	0220U	0246D	N06	W46	3659	03	28.7	27D	SB			P	0220	100	1.5	F
	YUNN	01	0219E	0223	0223D	N08	W45	3659	03	28.8	4D	SN			P		48	.7	E
	LEAR	01	0220	0223	0234	N08	W45	3659	03	28.8	14	SB		3	C		57		FE
0003		01	05506	05581	0640	N07	W48	3659	03	28.7	50	SB	C 7.6				162	2.2	CEF
	LEAR	01	0550	0559	0640	N08	W49	3659	03	28.7	50	SB	C 7.6	3	C		195		F
	MITK	01	0556	0558	0642	N07	W46	3659	03	28.9	46	1N			C	0558	170	2.6	E
	CULG	01	0600E	0600U	0637	N05	W49	3659	03	28.7	37D	SB			P	0600	120	1.8	CFE
		01	1101		1208	No Flare Patrol													
0004	LVOV	01	1210	1211	1221	S21	E55	3670	04	5.7	11	SF			C	1211	100	1.8	DJ
0005	LVOV	01	1331	1334	1355	N10	W50	3659	03	28.9	24	SF			C	1334	100	1.8	DJK
0006	LVOV	01	1338	1341	1352	S21	W08	3662	03	31.9	14	SF			C	1341	100	1.1	D
0007	LVOV	01	1414	1417	1456	N10	W50	3659	03	28.9	42	SF			C	1417	100	1.8	DJK
0008	RAMY	01	1435	1526	1527	S19	E49	3670	04	5.3	52	SF		3	C		21		
0009	RAMY	01	1609	1622	1705	N08	W51	3659	03	28.9	56	SB	M 1.0	3	C		145		FU
		01	1636		1651	No Flare Patrol													
0010	RAMY	01	1758	1806	1817	S18	E47	3670	04	5.3	19	SN		3	C		43		
0011	RAMY	01	1927	1932	2009	N07	W56	3659	03	28.7	42	1B	M 4.0	3	C		274		FU
		01	2108		2137	No Flare Patrol													
		01	2145		2327	No Flare Patrol													
0012	LEAR	01	2350	2350	2405	N13	W49	3659	03	29.4	15	SN		3	C		33		F
0013	LEAR	02	0053	0055	0108	N07	W59	3659	03	28.7	15	SN		3	C		17		F
		02	0201		0237	No Flare Patrol													
0014		02	0535	05354	0550	S16	W42	3660	03	30.1	15	SF					78	1.2	EF
	PEKG	02	0534E	0535	0542	S15	W42	3660	03	30.1	8D	SF			P	0535	84	1.2	E
	LEAR	02	0535	0539	0558	S17	W43	3660	03	30.1	23	SF		3	C		72		F
0015	PEKG	02	0604	0606U	0606D	S18	E40	3670	04	5.3	2D	SF			P	0606	139	1.9	E
0016	PEKG	02	0736	0741U	0800D	N19	W62	3661	03	28.7	24D	SF			P	0741	34		D
0017	PEKG	02	0834	0837U	0840D	N11	W59	3659	03	29.0	6D	SF			P	0837	80	1.7	E
0018		02	09003	09082	0940	N08	W63	3659	03	28.7	40	2B	M 6.7				313	7.0	AEF
	LEAR	02	0900	0908	0952D	N09	W62	3659	03	28.8	52D	2B	M 6.7	3	C		434		FE
	BUCA	02	0900	0909	0940	N07	W62	3659	03	28.8	40	2N			C	0909	430	8.4	E
	KHAR	02	0900E	0910	0940D	N08	W65	3659	03	28.6	40D	1N			P	0907	200		EA
	MANI	02	0903	0908	0913D	N09	W59	3659	03	29.0	10D	2B		1	V		300	5.6	FE
	MONT	02	0903	0910	0924D	N08	W67	3659	03	28.4	21D	1B			C	0910	200		
0019	KHAR	02	0955		1002D	S11	W18	3664	04	1.0	7D	SF			P	1000	70	.8	EH
0020	KHAR	02	1032		1052D	N01	E63	3671	04	7.1	20D	SF			V	1037	80		E
0021	KHAR	02	1032		1048D	S13	W66	3658	03	28.5	16D	1F			V	1037	90		E
0022	KHAR	02	1043		1050D	S19	E37	3670	04	5.3	7D	SF			V	1043			D
0023	KHAR	02	1123		1130D	S19	E37	3670	04	5.3	7D	SF			V	1123			D
0024	KHAR	02	1159		1200D	S11	W19	3664	04	1.1	1D	SF			V	1159			
		02	1201		1208	No Flare Patrol													

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
		02	1503		1524	No Flare Patrol														
		02	1538		1719	No Flare Patrol														
		02	1748		1833	No Flare Patrol														
0025	HOLL	02	1934	1935	1939	N09	W72	3659	03	28.5	5	SF	C	2.2	3	C				
0026	HOLL	02	1951	1953	1956	N15	W58	3659	03	29.5	5	SF			3	C		15		
		02	2122		2132	No Flare Patrol														
0027	PEKG	02	2345E	2348	2359	S10	W75	3658	03	28.4	14D	SF				P	2348	50		E
0028		03	0018	00212	0036	N10	E46	3672	04	6.5	18	SN						56	.9	E
	CULG	03	0018	0023	0032	N12	E45	3672	04	6.4	14	SN				C	0023	40	.6	
	PEKG	03	0020E	0021	0041	N09	E48	3672	04	6.6	21D	SN				P	0021	71	1.2	E
0029	LEAR	03	0135	0136	0218	N12	W68	3659	03	29.0	43	SN	C	5.5	2	C		62		F
0030	LEAR	03	0223	0223	0237	S23	W38	3662	03	31.2	14	SF			3	C		22		
0031		03	0242	0248	0300	N08	W74	3659	03	28.7	18	SN	C	3.1				59		EF
	LEAR	03	0242	0248	0305	N07	W75	3659	03	28.6	23	SN	C	3.1	3	C				F
	PEKG	03	0246E	0246U	0256	N09	W73	3659	03	28.7	10D	SN				P	0246	59		E
0032	CULG	03	0248	0303	0316D	S22	W36	3662	03	31.3	28D	SF				P	0303	60	.7	
0033	LEAR	03	0307	0307	0313	N15	W24	3667	04	1.3	6	SF			3	C		39		F
0034	PEKG	03	0335E	0337	0337D	S08	E11	3674	04	4.0	2D	SN				P	0337	71	.7	E
0035		03	0612	0620	0630	N08	W74	3659	03	28.8	18	SN						20		
	LEAR	03	0612	0620	0634	N08	W75	3659	03	28.7	22	SN			3	C				
	HTPR	03	0615E		0626	N08	W73	3659	03	28.9	11D	SF				C	0617	20		
0036		03	06132	06151	0620	N17	W27	3667	04	1.2	7	SF	C	4.0				49	.7	D
	ABST	03	0613	0616	0619	N17	W26	3667	04	1.3	6	SF				P	0616	87	1.1	D
	HTPR	03	0615E		0620	N18	W28	3667	04	1.1	5D	SF				C	0617	30	.3	
	LEAR	03	0615	0615	0620	N17	W27	3667	04	1.2	5	SN	C	4.0	3	C		29		
0037	LEAR	03	0622	0627	0657	S13	W77	3658	03	28.5	35	SF			3	C				
0038		03	06337	0626*	0704	S08	E10	3674	04	4.0	31	SB	C	3.2				125	1.4	EFJK
	ABST	03	0523E	0647	0658D	S08	E11	3674	04	4.0	95D	SN				P	0647	140	1.5	FJK
	PEKG	03	0626E	0626	0629	S08	E10	3674	04	4.0	3D	SN				P	0626	147	1.5	E
	HTPR	03	0633	0642	0720	S08	E10	3674	04	4.0	47	SB				C	0642	150	1.5	E
	LEAR	03	0636	0638	0713	S09	E10	3674	04	4.0	37	SB	C	3.2	3	C		59		FE
	MANI	03	0637E	0638	0655D	S08	E11	3674	04	4.1	18D	SB			1	V		50	.5	F
	PEKG	03	0639E	0640	0713	S08	E10	3674	04	4.0	34D	1B				C	0640	202	2.1	E
	CATA	03	0640	0640	0650D	S08	E10	3674	04	4.0	10D	S			2	P	0640	112	1.2	
	CULG	03	0646E	0646U	0709D	S07	E10	3674	04	4.0	23D	SB				P	0646	140	1.4	EF
0039	PEKG	03	0702	0705	0711	N18	W27	3667	04	1.2	9	SF				C	0705	59	.7	E
0040		03	07352	0737	0742	N09	W74	3659	03	28.9	7	SN						26		DE
	HTPR	03	0735	0737	0739	N08	W73	3659	03	28.9	4	SF				C	0737	30		
	PEKG	03	0736	0737	0740	N10	W74	3659	03	28.8	4	SN				C	0737	21		D
	LEAR	03	0737	0737	0748	N08	W74	3659	03	28.9	11	SB			3	C				E
0041		03	07414	0747*	0823	S12	W80	3658	03	28.4	42	SN	M	1.4				53		EFK
	LEAR	03	0741	0747	0827	S12	W79	3658	03	28.5	46	1N	M	1.4	3	C		79		K
	LEAR	03	0741	0758	0827	S12	W79	3658	03	28.5	46	SB	M	1.4	3	C				FEK
	MONT	03	0744	0758	0823	S13	W81	3658	03	28.3	39	SN				C	0758	70		
	PEKG	03	0745E	0749	0818	S11	W80	3658	03	28.4	33D	SF				P	0749	25		EK
	CATA	03	0745	0750	0825	S13	W83	3658	03	28.2	40	1			2	C	0750	56		
	PEKG	03	0745E	0806	0818	S11	W79	3658	03	28.5	33D	SN				P	0806	34		E
0042		03	0745	0749*	0822	S09	E09	3674	04	4.0	37	SN						84	.8	EKT
	HTPR	03	0745	0820	0833	S08	E09	3674	04	4.0	48	SF				C	0820	40	.4	E
	PEKG	03	0749E	0749	0816	S09	E09	3674	04	4.0	27D	SN				P	0749	84	.9	EK
	PEKG	03	0749E	0806	0816	S09	E09	3674	04	4.0	27D	SN				C	0806	92	.9	E
	PEKG	03	0824E	0829	0829D	S09	E09	3674	04	4.0	5D	SN				P	0829	118	1.2	ET

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0043		03	08225	08272	0838	N10	W74	3659	03	28.9	16	SN	C	5.2				21		D
	LEAR	03	0822	0827	0837	N09	W73	3659	03	29.0	15	SN	C	5.2	3	C				
	PEKG	03	0827	0829	0840	N10	W74	3659	03	28.9	13	SN				C	0829	21		D
0044	KHAR	03	0926E	0927	0937D	N09	W81	3659	03	28.4	11D	SF				V	0927			
0045	KHAR	03	0940E	0942	0949D	S18	E26	3670	04	5.4	9D	SF				V	0942			EH
0046	KHAR	03	0949E	0950	0958D	N19	W28	3667	04	1.3	9D	SF				V	0950			
0047	KHAR	03	0949E	0959	1029D	S09	E10	3674	04	4.1	40D	SF				V	0959			E
0048	KHAR	03	1033E	1034	1050D	N09	W79	3659	03	28.6	17D	SF				V	1034			
0049	KHAR	03	1103E	1104	1116D	N19	W28	3667	04	1.3	13D	SF				V	1104			
0050	HTPR	03	1224	1227	1252	S08	E06	3674	04	4.0	28	SN				C	1227	130	1.3	E
		03	1548		1549	No Flare Patrol														
0051		04	0034	00382	0055	S20	E18	3670	04	5.4	21	SN						67	1.1	EH
	LEAR	04	0034	0038	0055	S21	E19	3670	04	5.5	21	SN			3	C		37		H
	PEKG	04	0040E	0040	0040D	S20	E17	3670	04	5.3	21D	SN				P	0040	97	1.1	E
0052		04	0140	0206	0214	S12	W80	3658	03	29.1	34	SN						34		DK
	PEKG	04	0140	0146U	0214	S12	W79	3658	03	29.2	34	SF				C	0146	25		DK
	PEKG	04	0140	0206	0214	S12	W80	3658	03	29.1	34	SN				C	0206	42		D
0053	LEAR	04	0233	0247	0302	S20	E16	3670	04	5.3	29	SN			3	C		60		F
0054		04	0356*	0402*	0452	S21	W46	3662	03	31.6	56	1N	C	5.2				168	2.2	EFK
	LEAR	04	0356	0404	0542	S22	W45	3662	03	31.7	106	1B	C	5.2	3	C		212		FEK
	LEAR	04	0356	0421	0542	S22	W45	3662	03	31.7	106	1B	C	5.2	3	C		270		K
	MANI	04	0359E	0404	0410	S21	W46	3662	03	31.6	11D	1B			1	V		170	2.6	FE
	PEKG	04	0401	0403	0412	S19	W46	3662	03	31.6	11	1B				C	0403	168	2.5	E
	CULG	04	0402	0402	0408D	S22	W44	3662	03	31.8	6D	SB				P	0403	100	1.4	
	PEKG	04	0416E	0416U	0416D	S20	W47	3662	03	31.6	6D	1N				P	0416	193	3.0	F
	CULG	04	0417	0420	0434	S25	W47	3662	03	31.5	17	SF				P	0420	100	1.5	F
	YUNN	04	0420E	0421U	0449	S22	W49	3662	03	31.4	29D	SN				P	0421	113	1.8	E
	PEKG	04	0451E	0451	0456D	S19	W44	3662	03	31.8	5D	1N				P	0451	189	2.8	F
0055	PEKG	04	0402	0403	0404	S10	E00	3674	04	4.2	2	SN				C	0403	38	.4	D
0056	CULG	04	0440E	0444	0458	S21	W38	3667A	04	1.3	18D	SF				P	0444	50	.6	
0057	PEKG	04	0450	0451	0453	S11	W80	3658	03	29.3	3	SF				C	0451	13		D
0058		04	0620	0625	0640	N14	W89	3659	03	28.6	20	1N						45		D
	PEKG	04	0618E	0625	0639	N15	W88	3659	03	28.7	21D	SN				P	0625	34		D
	CATA	04	0620	0625	0640	N14	W90	3659	03	28.6	20	1			2	C	0625	56		
0059		04	06437	06552	0712D	N12	W88	3659	03	28.7	29D	1B						73		AD
	PEKG	04	0643	0655	0712D	N13	W86	3659	03	28.9	29D	SB				P	0655	84		D
	YUNN	04	0649	0657	0657D	N11	W89	3659	03	28.7	8D	1N				C		80		A
	CATA	04	0650	0655	0700D	N12	W90	3659	03	28.6	10D	1			2	P	0655	56		
0060	PEKG	04	0729	0730	0732	S10	W85	3658	03	29.0	3	SF				C	0730	8		D
0061	PEKG	04	0745	0746	0747	N07	E27	3672	04	6.3	2	SN				C	0746	29	.4	D
0062		04	08005	0806*	0910	S23	W51	3662	03	31.4	70	1B	C	9.6				273	4.2	EFGK
	LEAR	04	0800	0806U	0916	S25	W50	3662	03	31.4	76	1B	C	9.6	2	C		350		FE
	ATHN	04	0802E	0806	0853	S21	W52	3662	03	31.3	51D	1B			3	V	0806	239	4.0	
	CATA	04	0805	0810	0925	S24	W49	3662	03	31.5	80	1			2	C	0810	281	4.5	
	BUCA	04	0808E	0813	0915	S25	W49	3662	03	31.5	67D	2N				C	0813	482	7.4	G
	PEKG	04	0832E	0832	0905D	S21	W52	3662	03	31.4	33D	1N				P	0832	147	2.5	FK
	PEKG	04	0832E	0842	0905D	S21	W51	3662	03	31.4	33D	1B				P	0842	252	4.2	F
	YUNN	04	0839E	0840U	0902	S23	W52	3662	03	31.3	23D	1N				P	0840	161	2.7	F
0063	CATA	04	1020	1025	1045	N11	E70	3678	04	9.7	25	1			2	C	1025	84		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0064		04	13404	13489	1425	N01	E33	3671	04	7.0	45	SF					41	.5	
	WEND	04	1340	1348	1424	N01	E34	3671	04	7.1	44	SF			C	1348	38	.5	
	HOLL	04	1344	1357	1425	N00	E33	3671	04	7.0	41	SF		2	C		44		
	KANZ	04	1401E		1427	N03	E32	3671	04	7.0	26D	SN		2					
0065		04	13531	14007	1425	S09	W07	3674	04	4.0	32	1N					194	1.8	U
	WEND	04	1353	1407	1426	S08	W08	3674	04	4.0	33	SN			C	1407	175	1.8	
	HOLL	04	1354	1400	1426	S09	W07	3674	04	4.0	32	1N		2	C		212		U
	KANZ	04	1401E		1424	S09	W07	3674	04	4.0	23D	1N		2					
0066	KANZ	04	1514	1521	1529	N10	E24	3672	04	6.4	15	SF		2					
0067	KANZ	04	1554	1601	1624	N11	W86	3659	03	29.3	30	SN		3					A
		04	1723		2045	No Flare Patrol													
0068	HOLL	04	1926	1929	1934	N07	E23	3672	04	6.5	8	SF		3	C		28		F
		04	2053		2200	No Flare Patrol													
0069	HOLL	04	2249	2250	2311	S09	W14	3674	04	3.9	22	SF		3	C		43		
0070	HOLL	04	2328	2329	2346	N00	E28	3671	04	7.1	18	SF		3	C		32		F
0071		05	01171	01182	0126	S08	W15	3674	04	3.9	9	SN	C 1.4				112	1.5	EF
	LEAR	05	0117	0118	0127	S09	W15	3674	04	3.9	10	SN	C 1.4	3	C		81		F
	PEKG	05	0118	0120	0126	S08	W15	3674	04	3.9	8	SN			C	0120	143	1.5	E
0072		05	0155	01584	0216	S10	W14	3674	04	4.0	21	SN	C 2.0				84	1.2	EFH
	PEKG	05	0155E	0158	0218	S09	W14	3674	04	4.0	23D	SN			C	0158	109	1.2	E
	LEAR	05	0155	0202	0214	S10	W15	3674	04	3.9	19	SN	C 2.0	3	C		60		FH
0073	PEKG	05	0209	0211	0214	N13	W41	3676	04	2.0	5	SN			C	0211	55	.8	E
0074		05	0740*	07496	0818	N02	E24	3671	04	7.1	38	SN					62	.7	DE
	PURP	05	0740	0748U	0756D	N02	E24	3671	04	7.1	16D	SF			C	0748	31	.4	E
	WEND	05	0740	0755	0824	N02	E25	3671	04	7.2	44	SF			C	0755	50	.6	
	LEAR	05	0748	0749	0816	N01	E23	3671	04	7.0	28	SN		3	C		42		
	CATA	05	0750	0755	0805D	N03	E23	3671	04	7.0	15D	S		2	P	0755	84	1.0	
	PEKG	05	0752E	0752	0816	N02	E23	3671	04	7.0	24D	SN			P	0752	118	1.3	E
	YUNN	05	0758E	0800U	0814	N02	E23	3671	04	7.0	16D	SN			P	0800	48	.5	D
0075	YUNN	05	0821E	0821U	0830	N02	E23	3671	04	7.1	9D	SN			P	0821	32	.4	D
0076	WEND	05	0946	0949	0959	S09	W18	3674	04	4.0	13	SF			C	0949	38	.4	
0077	KANZ	05	1519	1535	1631	N28	W90		03	29.7	72			3					AY
0078		05	2132	21342	2144	S08	W23	3674	04	4.2	12	SF					78	1.0	F
	HOLL	05	2132	2134	2145	S08	W25	3674	04	4.0	13	SF		3	C		70		F
	PALE	05	2132	2135	2146	S08	W22	3674	04	4.2	14	SF		2	C		70		F
	CULG	05	2132	2136	2139	S10	W24	3674	04	4.1	7	SN			C	2136	80	.9	
	BIGB	05	2132	2136	2146	S08	W22	3674	04	4.2	14	SF		3	C	2136	90	1.0	
0079		05	21504	2157	2238D	N03	E16	3671	04	7.1	48D	SF					34	.4	JK
	CULG	05	2150	2157	2230U	N04	E16	3671	04	7.1	40U	SF			C	2157	40	.4	JK
	HOLL	05	2154	2157	2238D	N02	E16	3671	04	7.1	44D	SF		3	C		27		
0080		06	02177	0229*	0314	N07	E19	3671	04	7.5	57	1N	C 2.2				265	3.3	DFJK
	LEAR	06	0217	0230	0319	N06	E20	3671	04	7.6	62	SN	C 2.2	3	C		120		F
	YUNN	06	0224	0229	0237D	N07	E18	3671	04	7.4	13D	SN			P		129	1.4	D
	CULG	06	0224	0231	0310	N10	E19	3671	04	7.5	46	1F			C	0231	220	2.4	FJ
	PEKG	06	0228E	0236	0255D	N07	E19	3671	04	7.5	27D	1N			P	0236	421	4.7	FK
	PEKG	06	0228E	0245	0255D	N07	E19	3671	04	7.5	27D	1N			P	0245	434	4.8	F
0081	PEKG	06	0243	0245	0252	S06	W27	3674	04	4.1	9	SN			C	0245	63	.7	E
0082		06	03051	03075	0323	N08	E03	3672	04	6.3	18	SN					54	.6	EF
	CULG	06	0305	0307	0322	N08	E02	3672	04	6.3	17	SF			C	0307	40	.4	F
	PEKG	06	0306	0310	0325	N08	E03	3672	04	6.3	19	SN			C	0310	97	1.0	E
	LEAR	06	0306	0312	0321	N07	E03	3672	04	6.3	15	SN		3	C		29		F
	YUNN	06	0313E	0313U	0325	N08	E03	3672	04	6.3	12D	SN			P	0313	48	.5	E

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0083	YUNN	06	0545	0547	0602D	N11	E18	3671	04	7.6	17D	SN				P		161	1.8	EG
0084	CULG	06	0556	0557	0600	S13	E39	3675	04	9.2	4	SN				C	0557	40	.5	
0085	KANZ	06	0702	0702	0711	S12	E39	3675	04	9.2	9	SN			2					
0086	KANZ	06	0740	0743	0755	S10	E38	3675	04	9.2	15	SN			2					L
0087	KANZ	06	0759	0803	0815	S08	W30	3674	04	4.1	16	SF			1					
0088		06	10381	10412	1053	N12	E45	3678	04	9.8	15	SN						73	1.0	EH
	KHAR	06	1038E	1041	1056D	N11	E47	3678	04	10.0	18D	SF				P	1041	60	1.0	EH
	MONT	06	1038	1042	1047	N12	E45	3678	04	9.8	9	SN				C	1042	80		
	HTPR	06	1038	1043	1059	N11	E44	3678	04	9.7	21	SN				C	1043	80	1.1	E
	KANZ	06	1039	1043	1053	N12	E45	3678	04	9.8	14	SN			3					
0089	KANZ	06	1120	1120	1132	S10	E38	3675	04	9.3	12	SN			2					
		06	1529		1609	No Flare Patrol														
		06	1616		1620	No Flare Patrol														
		06	1723		1837	No Flare Patrol														
		06	1843		1932	No Flare Patrol														
		06	1946		2027	No Flare Patrol														
0090	CULG	06	2243	2246	2256	S11	E31	3675	04	9.3	13	SN				C	2246	80	.9	
0091		06	2359	24011	2417	S10	W39	3674	04	4.1	18	SN						54	.6	EJ
	CULG	06	2359	2401	2409	S11	W40	3674	04	4.0	10	SN				C	2404	40	.5	J
	PEKG	07	0000E	0004U	0015D	S08	W39	3674	04	4.1	15D	SN				P	0004	55	.7	E
	LEAR	07	0002E	0002	0025	S10	W39	3674	04	4.1	23D	SN			3	C		67		
0092	YUNN	07	0125E	0125U	0125D	N14	W88	3667	03	31.4	23D					P	0125			AG
0093		07	02165	02221	0234	S08	W40	3674	04	4.1	18	SN						61	.6	E
	LEAR	07	0216	0222	0244	S09	W40	3674	04	4.1	28	SF			3	C		76		
	PEKG	07	0221	0223	0225	S07	W40	3674	04	4.1	4	SN				C	0223	46	.6	E
0094	PEKG	07	0434E	0434	0436D	N02	W02	3671	04	7.0	2D	SF				P	0434	34	.4	D
0095		07	06453	06474	0655	S12	E25	3675	04	9.2	10	SB						98	1.0	DEFH
	BUCA	07	0645		0655	S12	E25	3675	04	9.2	10	SF				P	0650	54	.6	D
	PEKG	07	0645E	0647	0652	S12	E25	3675	04	9.2	7D	SN				P	0647	160	1.8	E
	LEAR	07	0645	0649	0655	S13	E25	3675	04	9.2	10	SB			3	C		129		FH
	YUNN	07	0645	0650	0650D	S12	E26	3675	04	9.2	5D	SB				C		96	1.1	D
	MANI	07	0647E	0648	0655D	S13	E24	3675	04	9.1	8D	SB			1	V		95	1.1	F
	CULG	07	0648E	0648U	0654	S11	E26	3675	04	9.2	6D	SB				P	0648	60	.7	
	ATHN	07	0648	0649	0658	S12	E24	3675	04	9.1	10	SB			1	V	0649	67	.7	
	PURP	07	0651E	0651	0654	S13	E26	3675	04	9.2	3D	SN				C	0651	122	1.4	D
0096	YUNN	07	0858	0903U	0903D	S26	E87	3684	04	14.1	5D	1N				P	0903	48		A
		07	0954		1054	No Flare Patrol														
0097	HTPR	07	1205	1228	1245	S07	E73	3681	04	13.0	40	SF				C	1228	20		
0098	HTPR	07	1220	1230	1310	S07	W45	3674	04	4.1	50	SB				C	1230	80	1.1	E
		07	1502		1549	No Flare Patrol														
0099		07	1653	16572	1754	N03	W09	3671	04	7.0	61	SB	C	2.6				136	.9	
	RAMY	07	1653	1657	1705D	N03	W09	3671	04	7.0	12D	SB	C	2.6	3	C		181		
	BIGB	07	1653	1659	1754	N03	W09	3671	04	7.0	61	SB			3	C	1659	90	.9	
0100	YUNN	08	0031	0034	0050	S26	E87	3684	04	14.8	19	SN				C		32		E
0101		08	0042*	0101	0248	S28	E80	3684	04	14.3	126	SB						33		D
	PURP	08	0042	0101	0248	S29	E78	3684	04	14.1	126	SB				C	0101	34		D
	YUNN	08	0054	0101	0103D	S27	E83	3684	04	14.5	9D	SN				P		32		D
0102	LEAR	08	0149	0150	0201	S08	E70	3681	04	13.3	12	SF			3	C		42		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0103	ISTA	08	0642		0705	S29	E75	3684	04	14.1	23	SN								B
0104		08	0757	0817	0821	S26	E76	3684	04	14.2	24	SN						32		E
	YUNN	08	0748E	0748U	0749D	S26	E76	3684	04	14.2	1D	SN				P	0748	32		E
	KANZ	08	0757	0817	0821	S26	E75	3684	04	14.1	24	SF			2					
0105	KANZ	08	0858	0908	0920	S26	E75	3684	04	14.2	22	SN			2					
0106		08	10241	1025	1028	S26	E76	3684	04	14.3	4	SN						48		
	HTPR	08	1024	1025	1027	S24	E78	3684	04	14.4	3	SN				C	1025	40		
	CATA	08	1025	1025	1030	S28	E75	3684	04	14.3	5	S			2	C	1025	56		
0107	HTPR	08	1237		1246	N13	W33	3672	04	6.0	9	SF				C	1239	30	.3	E
0108	HTPR	08	1257	1300	1306	N13	W33	3672	04	6.0	9	SF				C	1300	40	.5	E
0109		08	13531	1356	1400	S27	E74	3684	04	14.3	7	SN	C	1.4				30		
	HTPR	08	1353		1357D	S24	E77	3684	04	14.5	4D	SN				C	1354	30		
	HOLL	08	1354	1356	1400	S30	E70	3684	04	14.1	6	SF	C	1.4	3	C		29		
0110	HOLL	08	1753	1759	1813	N07	W20	3671	04	7.2	20	SF	C	2.0	3	C		80		F
		08	2040		2049	No Flare Patrol														
0111	HOLL	08	2056	2056	2111	S30	E69	3684	04	14.3	15	SF			3	C		19		F
0112		09	0142*	01509	0218	N05	W26	3671	04	7.1	36	SN	C	9.6				167	2.3	EFI
	CULG	09	0142	0151	0220	N05	W26	3671	04	7.1	38	1B				C	0151	220	2.4	FEI
	LEAR	09	0144	0150	0221	N05	W26	3671	04	7.1	37	SB	C	9.6	3	C		156		FE
	PEKG	09	0145	0154	0212	N06	W26	3671	04	7.1	27	SB				C	0154	151	1.8	E
	PURP	09	0153	0159	0219	N05	W27	3671	04	7.0	26	1N				C	0159	231	2.7	E
	PALE	09	0158E	0158U	0219	N05	W25	3671	04	7.2	21D	SF			2	C		78		F
0113	LEAR	09	0305	0305	0318	S13	E56	3681	04	13.3	13	SF			3	C		45		F
0114		09	04149	04271	0444	S28	E66	3684	04	14.3	30	SN	C	2.7				64	1.3	F
	LEAR	09	0414	0428	0456	S29	E67	3684	04	14.4	42	SN	C	2.7	3	C		68		F
	CULG	09	0423	0427	0433	S27	E64	3684	04	14.2	10	SN				C	0427	60	1.3	
0115	YUNN	09	0802	0802	0805	S27	E62	3684	04	14.2	3	SF				C		48	1.1	E
0116	YUNN	09	0804	0805	0807D	N13	E48	3679	04	12.9	3D	SN				P		32	.5	D
0117		09	0807*	0813*	0921	S08	E47	3681	04	12.9	74	SN	C	3.2				70	.9	F
	YUNN	09	0807	0813	0819D	S08	E44	3681	04	12.6	12D	SN				P		64	.9	
	LEAR	09	0818	0838	0921	S08	E50	3681	04	13.1	63	SF	C	3.2	3	C		75		F
0118	HTPR	09	0810	0830	0855	S03	E44	3680	04	12.6	45	SF				C	0830	40	.5	E
0119		09	0937	0937	0942	S24	E58	3684	04	13.9	5	SN						60	1.0	
	KANZ	09	0937E		0940D	S25	E59	3684	04	14.0	3D	SN			2					
	HTPR	09	0937	0937	0942	S23	E56	3684	04	13.7	5	SF				C	0937	60	1.0	
0120	KANZ	09	1018	1022	1025D	S25	E59	3684	04	14.0	7D	SN			2					
0121		09	10291	10323	1049	N10	W43	3672	04	6.2	20	SB						86	1.3	E
	HTPR	09	1029	1032	1055	N12	W41	3672	04	6.3	26	SN				C	1032	60	.8	E
	CATA	09	1030	1035	1050	N12	W48	3672	04	5.8	20	S			2	C	1035	112	1.8	
	KANZ	09	1033E	1033	1041	N07	W41	3672	04	6.4	8D	SB			1					
0122	HTPR	09	1117	1122	1130	N20	E40	3688	04	12.5	13	SF				C	1122	20	.3	
0123		09	1138	11463	1155	S24	E60	3684	04	14.1	17	SN						40	.8	E
	HTPR	09	1138	1146	1153	S22	E58	3684	04	13.9	15	SF				C	1146	40	.8	E
	KANZ	09	1149E	1149	1157	S27	E61	3684	04	14.2	8D	SN			2					
0124		09	1140	11573	1219	N04	E48	3682	04	13.1	39	1N						140	2.2	
	CATA	09	1140	1200	1200D	N03	E48	3682	04	13.1	20D	1			2	P	1200	140	2.2	
	KANZ	09	1149E	1157	1219	N06	E47	3682	04	13.0	30D	SN			2					
0125	HTPR	09	1140	1202	1250	N10	E48	3679	04	13.1	70	SF				C	1202	50	.7	

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0126		09	12102	12123	1218	S25	E57	3684	04	13.9	8	SN					24	.3	
	HTPR	09	1210	1215	1216	S23	E54	3684	04	13.7	6	SF			C	1215	20	.3	
	RAMY	09	1211	1215	1218	S28	E60	3684	04	14.2	7	SN		3	C		28		
	KANZ	09	1212	1212	1219	S25	E58	3684	04	14.0	7	SN		3					
0127		09	1215	1223*	1312	N19	E39	3688	04	12.5	57	SN					50	.7	
	KANZ	09	1215	1223	1314	N17	E39	3688	04	12.5	59	SN		3					
	HTPR	09	1215	1237	1310	N21	E39	3688	04	12.5	55	SF			C	1237	50	.7	
0128	KANZ	09	1303	1303	1307	S10	E84	3687	04	15.8	4	SN		3					
0129		09	1334*	1334*	1404	S10	E80	3687	04	15.6	30	SF					26		K
	RAMY	09	1334	1334	1406	S12	E79	3687	04	15.5	32	SF		3	C		13		K
	RAMY	09	1334	1356	1406	S12	E79	3687	04	15.5	32	SN		3	C				K
	HTPR	09	1354	1356	1400	S07	E82	3687	04	15.7	6	SF			C	1356	40		
0130		09	13471	1405	1416	S25	E60	3684	04	14.2	29	SN	C 4.7				44	.6	E
	HTPR	09	1347	1405	1415	S22	E60	3684	04	14.2	28	SF			C	1405	30	.6	E
	RAMY	09	1348	1405	1417	S28	E59	3684	04	14.2	29	SN	C 4.7	3	C		59		
0131	HTPR	09	1358	1515	1610	N21	E39	3688	04	12.6	132	SF			C	1515	30	.4	
		09	1713		1904	No Flare Patrol													
0132	HOLL	09	1859E	1907U	1923	N14	E36	3679	04	12.5	24D	SF		3	C		35		
0133	HOLL	09	1859E	1905U	1920	S09	E48	3681	04	13.4	21D	SF		3	C		33		
		09	1926		1935	No Flare Patrol													
0134	HOLL	09	1951	1955	2001	N14	E34	3679	04	12.4	10	SF		2	C		29		F
0135	HOLL	09	2006	2010	2036D	S13	E76	3687	04	15.6	30D	SF		3	C				
		09	2013		2036	No Flare Patrol													
0136	HOLL	09	2106	2113	2126D	N14	E34	3688	04	12.4	20D	SF		2	C		43		F
0137	VORO	09	2320	2325	2341	S26	E50	3684	04	13.8	21	1N			C	2325	206	3.6	DJK
0138		09	23501	23527	2415	S26	E51	3684	04	13.9	25	SB	C 4.0				100	1.7	EF
	LEAR	09	2350	2352	2424	S27	E51	3684	04	14.0	34	SB	C 4.0	3	C		96		FE
	CULG	09	2351	2353	2407	S24	E51	3684	04	13.9	16	SN			C	2353	100	1.6	
	PEKG	09	2353E	2359	2413	S27	E51	3684	04	14.0	20D	SB			P	2359	105	1.8	E
0139	VORO	10	0050	0051	0109	S26	E50	3684	04	13.9	19	1B			C	0051	224	3.9	DJ
0140	LEAR	10	0112	0112	0127	N04	W36	3671	04	7.3	15	SN		3	C		26		F
0141	CULG	10	0149	0153	0157	S07	E71	3687	04	15.4	8	SF			C	0153	60		
0142		10	0152*	0207*	0248	S28	E50	3684	04	14.0	56	SN					70	1.7	EF
	LEAR	10	0152	0207	0246	S28	E52	3684	04	14.1	54	SN		3	C		34		F
	PEKG	10	0243	0246	0250	S27	E48	3684	04	13.8	7	SF			C	0246	105	1.7	E
0143		10	02188	02403	0320	N04	W37	3671	04	7.3	62	1B	C 9.6				312	3.8	EFI
	LEAR	10	0218	0243	0326	N05	W37	3671	04	7.3	68	1B	C 9.6	3	C		378		FE
	CULG	10	0226	0240	0313	N03	W36	3671	04	7.4	47	1B			P	0240	280	3.6	FEI
	PEKG	10	0230E	0243	0320	N06	W38	3671	04	7.2	50D	2N			P	0243	421	5.6	F
	PURP	10	0230E	0250U	0253D	N04	W38	3671	04	7.3	23D	1N			V	0250	170	2.3	
0144		10	0238	02431	0256	S04	E29	3680	04	12.3	18	SN					59	.6	EF
	LEAR	10	0238	0243	0301	S05	E29	3680	04	12.3	23	SN		3	C		61		F
	CULG	10	0238E	0244	0255	S03	E29	3680	04	12.3	17D	SN			P	0244	50	.5	
	PEKG	10	0241E	0243	0253	S05	E29	3680	04	12.3	12D	SN			P	0243	67	.8	E
0145		10	0512*	0508*	0536	N15	E29	3688	04	12.4	24	SN					95	1.2	EK
	YUNN	10	0507E	0508	0510D	N15	E30	3688	04	12.5	3D	SN			P		48	.6	
	ABST	10	0512	0518	0536	N16	E28	3688	04	12.3	24	1N			C	0518	174	2.2	EK
	YUNN	10	0531	0534	0535D	N15	E30	3688	04	12.5	4D	SN			P		64	.8	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0146		10	05104	05105	0516	S27	E50	3684	04	14.1	6	SN						86	2.0	FKV
	LEAR	10	0510	0510	0516	S28	E50	3684	04	14.1	6	SN			3	C		21		
	MANI	10	0511E	0511U	0517D	S28	E51	3684	04	14.2	6D	SN			1	V		20	.3	
	ABST	10	0514	0515	0558D	S26	E50	3684	04	14.1	44D	1N				P	0515	218	3.7	FKV
0147	ABST	10	0530	0534	0540	S10	E79	3687	04	16.2	10	1F				C	0534	87		D
0148	ABST	10	0549	0551	0558	S16	E80	3687	04	16.3	9	1N				C	0551	131		EG
0149		10	0622*	0624*	0705	S05	E28	3680	04	12.3	43	SB	C	2.7				105	1.0	DEF
	CULG	10	0622	0624	0634	S04	E28	3680	04	12.3	12	SN				C	0624	80	.8	
	CULG	10	0624	0656	0711	S04	E27	3680	04	12.3	47	SB				C	0656	80	.9	FD
	LEAR	10	0625	0628	0637	S06	E29	3680	04	12.4	12	SN			3	C		72		F
	MANI	10	0626E	0626U	0629D	S07	E30	3680	04	12.5	3D	SF			1	V		20	.2	F
	ATHN	10	0653	0658	0720	S05	E28	3680	04	12.4	27	1B	C	2.7	3	V	0658	207	2.4	
	LEAR	10	0655	0658	0718	S06	E27	3680	04	12.3	23	1B			3	C		212		FE
	HTPR	10	0655	0659	0717	S01	E28	3680	04	12.4	22	SB				C	0659	110	1.2	E
	YUNN	10	0658E	0658U	0713	S05	E27	3680	04	12.3	15D	SB				P	0658	64	.7	
	PURP	10	0658E	0700	0712	S06	E29	3680	04	12.5	14D	SB				C	0700	102	1.2	
0150	CATA	10	0650	0700	0720	S06	E37	3681	04	13.0	30	S			2	C	0700	140	1.8	
0151		10	09371	09383	0956	S05	E28	3680	04	12.5	19	1B	C	2.8				178	1.9	EFH
	ATHN	10	0937	0941	1005	S05	E28	3680	04	12.5	28	1B	C	2.8	3	V	0941	255	2.9	
	KHAR	10	0938E	0938	0952D	S05	E29	3680	04	12.6	14D	SN				P	0938	130	1.5	EH
	LEAR	10	0938	0940	0946D	S07	E26	3680	04	12.3	8D	1B			3	C		245		FE
	HTPR	10	0938	0940	0948	S02	E28	3680	04	12.5	10	SB				C	0940	80	1.3	E
0152	ATHN	10	0943	0949	1005	S28	E45	3684	04	13.9	22	1B			3	V	0949	143	2.3	
0153		10	0953	0958	1035	N08	W44	3671	04	7.1	42	SF						35	.5	E
	HTPR	10	0953	0958	1035	N10	W42	3671	04	7.2	42	SF				C	0958	30	.4	E
	KHAR	10	0955E		1027D	N05	W45	3671	04	7.0	32D	SF				P	1005	40	.6	E
0154	ATHN	10	0958	1005	1049	N08	W54	3672	04	6.4	51	SB	C	2.6	3	V	1005	111	1.6	
0155	HTPR	10	1030	1038	1040	N21	E28	3688	04	12.6	10	SF				C	1038	80	1.3	E
0156	HTPR	10	1200	1203	1208	S22	E47	3684	04	14.1	8	SF				C	1203	20	.3	
0157	HTPR	10	1217	1220	1231	N17	E26	3688	04	12.5	14	SB				C	1220	120	1.3	E
0158		10	13474	13521	1410	S04	E25	3680	04	12.4	23	SN	C	1.4				53	.8	E
	HTPR	10	1347	1353	1421	S01	E27	3680	04	12.6	34	SN				C	1353	40	.4	E
	ATHN	10	1348	1353	1403	S05	E26	3680	04	12.5	15	SB			3	V	1353	95	1.1	
	HOLL	10	1351	1352	1407	S06	E23	3680	04	12.3	16	SF	C	1.4	3	C		24		
0159	HTPR	10	1357	1358	1405	N14	E32	3679	04	13.0	8	SF				C	1358	20	.2	
0160		10	1445*	1507	1524	S24	E45	3684	04	14.1	39	SN	C	1.4				50	.4	EF
	HOLL	10	1445	1507	1534	S27	E45	3684	04	14.1	49	SN	C	1.4	3	C		70		F
	HTPR	10	1505	1507	1515	S22	E45	3684	04	14.1	10	SF				C	1507	30	.4	E
0161	HOLL	10	1535	1538	1540	N09	W56	3672	04	6.4	5	SF			3	C		16		F
0162		10	1701	1702	1721	S26	E46	3684	04	14.3	20	SN	C	2.2				70	1.0	EF
	HTPR	10	1701		1713D	S23	E47	3684	04	14.3	12D	SN				C	1703	70	1.0	E
	HOLL	10	1701	1702	1721	S29	E44	3684	04	14.1	20	SN	C	2.2	3	C		71		F
0163	PALE	10	1854E	1854U	2019	N17	E06	3688	04	11.2	85D	1B			2	C		205		EF
0164	HOLL	10	2034	2041	2102	S29	E42	3684	04	14.1	28	SF	C	1.4	3	C		57		
0165		10	2315*	2339*	2436	N16	E24	3688	04	12.8	81	1N	C	3.8				189	2.6	FJ
	LEAR	10	2315	2350	2452	N16	E24	3688	04	12.8	97	1N			3	C		206		F
	CULG	10	2334	2339	2401	N15	E24	3688	04	12.8	27	1F				C	2339	220	2.6	FJ
	HOLL	10	2335E	2351	2440	N17	E25	3688	04	12.9	65D	SN	C	3.8	3	C		123		F
	LEAR	10	2336	2350	2452	N16	E24	3688	04	12.8	76	1N			3	C		206		F
0166		10	2335	23391	2419	S05	E18	3680	04	12.3	44	SB						119	1.0	EF
	CULG	10	2335	2339	2405	S05	E18	3680	04	12.3	30	SN				C	2339	100	1.0	F
	HOLL	10	2335E	2339U	2415D	S05	E18	3680	04	12.3	40D	SB			3	C		100		F
	LEAR	10	2335	2340	2433	S05	E18	3680	04	12.3	58	SB			3	C		157		FE

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0167	HOLL	10	2337	2338	2417D	N11	E21	3679	04	12.6	40D	SF		3	C		47		
0168		11	00293	0032	0044	S28	E40	3684	04	14.1	15	SN					52	.6	J
	CULG	11	0029	0032	0037	S26	E40	3684	04	14.1	8	SN			P	0032	40	.6	J
	HOLL	11	0031	0032	0041D	S29	E39	3684	04	14.1	10D	SN		3	C		50		
	LEAR	11	0032	0032	0052	S28	E40	3684	04	14.1	20	SN		3	C		66		
0169	VORO	11	0035	0044	0102	S04	E18	3680	04	12.4	27	1N			C	0044	197	2.1	EJ
0170	VORO	11	0129	0131	0151	S28	E40	3684	04	14.2	22	SF			C	0131	99	1.4	DJ
0171	CULG	11	0218E	0222	0240	S28	E39	3684	04	14.1	22D	SF			P	0222	90	1.3	F
0172	CULG	11	0254	0256	0302	N15	E15	3688	04	12.2	8	SF			C	0256	30	.3	D
0173		11	03332	0336*	0408	S05	E15	3680	04	12.3	35	SB					124	1.1	EFJKU
	CULG	11	0333	0336	0355	S04	E15	3680	04	12.3	22	SN			C	0336	120	1.2	J
	LEAR	11	0335	0336	0417	S05	E15	3680	04	12.3	42	1B		3	C		206		UFK
	YUNN	11	0335E	0344	0401	S05	E16	3680	04	12.3	26D	SB			P		80	.9	
	LEAR	11	0335	0349	0417	S05	E15	3680	04	12.3	42	SB		3	C		95		K
	PEKG	11	0336E	0337	0412	S05	E15	3680	04	12.3	36D	SN			P	0337	118	1.2	E
0174	CULG	11	0350	0354	0404	S09	E60	3687	04	15.7	14	SF			C	0354	30	.6	
0175		11	04445	0452	0500	S06	E16	3680	04	12.4	16	SB					70	.5	EFJ
	LEAR	11	0444	0452	0501	S06	E16	3680	04	12.4	17	SB		3	C		91		FE
	CULG	11	0449	0452	0459	S05	E16	3680	04	12.4	10	SN			C	0452	50	.5	J
0176	LEAR	11	0505	0508	0514	S05	E15	3680	04	12.3	9	SF		3	C		34		
0177		11	05052	0508	0518	S26	E38	3684	04	14.2	13	SN					39	.5	JK
	CULG	11	0505	0508	0523	S25	E38	3684	04	14.1	18	SF			C	0508	40	.5	KJ
	LEAR	11	0507	0508	0512	S27	E37	3684	04	14.1	5	SN		3	C		38		
0178	CULG	11	0631	0635	0642	S09	E63	3687	04	16.0	11	SF			C	0635	40	.8	
0179	CULG	11	0643	0653	0659	N17	E14	3688	04	12.3	16	SF			C	0653	60	.7	EJ
0180		11	07434	07472	0756	S05	E14	3680	04	12.4	13	SB	C 2.0				88	1.4	E
	KANZ	11	0743	0747	0758	S05	E14	3680	04	12.4	15	SN		3					
	ATHN	11	0743	0748	0756	S04	E14	3680	04	12.4	13	SB	C 2.0	3	V	0748	127	1.4	
	LEAR	11	0747	0749	0755	S07	E15	3680	04	12.4	8	SB		3	C		48		E
0181		11	08422	08471	0902	N15	E13	3688	04	12.3	20	SN	C 1.3				76		
	LEAR	11	0842	0847	0904	N14	E13	3688	04	12.3	22	SN	C 1.3	3	C		76		
	KANZ	11	0844	0848	0859	N16	E13	3688	04	12.3	15	SN		2					
0182		11	13057	1310*	1415	N16	E11	3688	04	12.4	70	1N	C 5.4				209	2.6	DJK
	ATHN	11	1305	1310	1433	N16	E14	3688	04	12.6	88	1B	C 5.4	3	V	1310	318	4.1	
	LVOV	11	1312	1323	1336	N16	E08	3688	04	12.1	24	SF			C	1323	100	1.1	DJK
	KANZ	11	1347E	1357	1435	N17	E10	3688	04	12.3	48D	1N		2					
0183		11	1322	13244	1348	N06	W60	3671	04	7.1	26	1B					144	3.8	DJ
	LVOV	11	1322	1324	1336	N07	W62	3671	04	6.9	14	SN			C	1324	80		DJ
	ATHN	11	1322	1328	1359	N05	W58	3671	04	7.2	37	1B		3	V	1328	207	3.8	
0184		11	1444	1444	1452	S05	E10	3680	04	12.4	8	SN					32		F
	KANZ	11	1444	1444	1447	S05	E10	3680	04	12.4	3	SN		2					
	HOLL	11	1444	1444	1457	S05	E10	3680	04	12.4	13	SF		3	C		32		F
0185	HOLL	11	1539	1545	1551	N16	E10	3688	04	12.4	12	SN		3	C		38		F
0186	HOLL	11	1559	1600	1605	S28	E30	3684	04	14.0	6	SN	C 2.5	3	C		123		
0187	HOLL	11	1636	1654	1718	N16	E09	3688	04	12.4	42	SN	C 5.0	3	C		48		F
0188	HOLL	11	1842	1852	2015	N16	E08	3688	04	12.4	93	1B	C 9.9	3	C		208		E
0189	HOLL	11	1952	1956	2014	S05	E07	3680	04	12.3	22	SN		3	C		133		
0190	CULG	11	2252	2254	2257	S28	E32	3684	04	14.4	5	SF			C	2254	30	.4	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0191		11	2328E	23361	2422	N17	E04	3688	04	12.3	54D	1B	M	1.2				223	2.0	EF
	LEAR	11	2328E	2337	2449	N16	E05	3688	04	12.3	81D	1B	M	1.2	3	C		320		FE
	MANI	11	2330E	2336	2348	N17	E04	3688	04	12.3	18D	1B			1	V		250	2.8	FE
	CULG	11	2357E	2357U	2430	N17	E04	3688	04	12.3	33D	SN				P	2357	100	1.1	
0192	CULG	12	0026	0029	0034	S24	E26	3684	04	14.0	8	SF				C	0029	30	.4	J
0193	YUNN	12	0050E	0050U	0054	S05	E03	3680	04	12.2	4D	SN				P	0050	32	.3	D
0194	CULG	12	0105	0110	0117	S06	W21	3693	04	10.5	12	SF				C	0110	20	.2	G
0195		12	0118	0121*	0203	N16	E05	3688	04	12.4	45	SN						85	.6	J
	YUNN	12	0118	0121	0234	N16	E06	3688	04	12.5	76	SN				C		48	.5	
	CULG	12	0118	0123	0139	N17	E03	3688	04	12.3	21	SN				C	0123	60	.7	J
	LEAR	12	0118	0143	0157	N16	E05	3688	04	12.4	39	SN			3	C		147		
0196	CULG	12	0124	0127	0135	N16	E66	3691	04	17.1	11	SF				C	0127	30		J
0197	CULG	12	0204	0211	0227	N16	E66	3691	04	17.1	23	SF				C	0211	30		J
0198		12	02073	02111	0227	S05	E03	3680	04	12.3	20	SN						40	.4	DEJ
	CULG	12	0207	0211	0233	S05	E02	3680	04	12.2	26	SN				C	0211	60	.6	EJ
	PEKG	12	0210E	0211	0220	S05	E03	3680	04	12.3	10D	SF				P	0211	21	.2	E
	LEAR	12	0210	0212	0227	S05	E03	3680	04	12.3	17	SN			3	C		48		
	YUNN	12	0215E	0215U	0228	S05	E03	3680	04	12.3	13D	SB				P	0215	32	.3	D
0199	CULG	12	0300	0303	0317	S25	E25	3684	04	14.1	17	SN				C	0303	30	.4	EJ
0200		12	03179	0322*	0350	N06	W66	3671	04	7.2	33	1N						104	1.7	EFJU
	YUNN	12	0317	0322	0338	N07	W65	3671	04	7.3	21	1B				C		80		
	CULG	12	0317	0323	0350	N03	W65	3671	04	7.3	33	SN				C	0323	70	1.7	UJ
	LEAR	12	0323E	0335	0351	N05	W66	3671	04	7.2	28D	1N			3	C		200		F
	PEKG	12	0326	0333	0400	N07	W66	3671	04	7.2	34	SF				P	0333	67		E
0201		12	04126	04185	0446	S05	E01	3680	04	12.2	34	SN						65	.7	DEJTV
	CULG	12	0412	0417U	0440U	S05	E01	3680	04	12.2	28U	SN				P	0417	90	.9	EJT
	PEKG	12	0413	0421	0450	S05	E01	3680	04	12.2	37	SF				P	0421	46	.5	D
	LEAR	12	0415	0423	0440	S06	E02	3680	04	12.3	25	SN			3	C		53		
	ABST	12	0417	0418	0456	S04	E02	3680	04	12.3	39	SN				C	0418	87	.9	EJV
	YUNN	12	0418	0422U	0437	S05	E01	3680	04	12.2	19	SN				P	0422	48	.5	D
0202	ABST	12	0415E	0417	0425	N14	E07	3679	04	12.7	10D	1N				P	0417	218	2.3	FJ
0203	ABST	12	0518E	0533	0558D	S09	E15	3681	04	13.3	40D	SF				P	0533	87	.9	DJ
0204	ABST	12	0549	0553	0600	N15	E67	3691	04	17.3	11	1F				C	0553	87		D
0205	CULG	12	0602	0604	0610	S09	E42	3687	04	15.4	8	SF				C	0604	20	.3	
0206	CULG	12	0603	0607	0616	N20	E62	3691	04	17.0	13	SF				C	0607	20	.5	
0207	LEAR	12	0727	0728	0737	S12	E10	3681	04	13.1	10	SF			3	C		35		F
0208		12	0905	0906	0913	S26	E21	3684	04	14.0	8	SN	C	2.0				37		DH
	KHAR	12	0905E		0912D	S26	E21	3684	04	14.0	7D	SF				P	0911			DH
	LEAR	12	0905	0906	0913	S27	E21	3684	04	14.0	8	SN	C	2.0	3	C		37		
0209	ATHN	12	1141	1143	1213	S11	E07	3681	04	13.0	32	SF	M	1.2	3	V	1143	111	1.2	
0210	RAMY	12	1254	1258	1317	N17	W01	3688	04	12.5	23	SN			3	C		106		
0211	HOLL	12	1315	1316	1326	N18	W16	3688	04	11.3	11	SN			3	C		85		F
0212	HOLL	12	1458	1459	1530	S07	E05	3681	04	13.0	32	SF	C	2.1	3	C		67		F
0213	HOLL	12	1544	1546	1550	N18	E00	3688	04	12.6	6	SN	C	2.1	3	C		63		
0214	HOLL	12	1608	1609	1618	S14	E41	3687	04	15.8	10	SN			3	C		65		
0215		12	16101	16131	1624	S24	E18	3684	04	14.1	14	SB	C	5.6				74	.7	
	HOLL	12	1610	1613	1621	S27	E15	3684	04	13.8	11	SB	C	5.6	3	C		87		
	BIGB	12	1611	1614	1626	S21	E20	3684	04	14.2	15	SN			3	C	1614	60	.7	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0216		12	18291	1832	1852	S14	E41	3687	04	15.9	23	SN	C 2.6				94	.8	F
	BIGB	12	1829	1832	1852	S14	E42	3687	04	15.9	23	SN		3	C	1832	60	.8	
	HOLL	12	1830	1832	1843D	S14	E40	3687	04	15.8	13D	SN	C 2.6	3	C		127		F
0217	HOLL	12	1850	1906	1918D	N07	W73	3671	04	7.3	28D	SF	C 3.4	3	C				
0218	CULG	12	2224	2228	2233	S11	E13	3682A	04	13.9	9	SN			C	2228	40	.4	G
0219	CULG	12	2238	2243	2250	N17	E34	3686	04	15.5	12	SF			C	2243	40	.5	G
0220	CULG	12	2312	2315	2322	S27	E13	3684	04	14.0	10	SN			C	2315	40	.4	J
0221	CULG	12	2315	2316	2320	N16	W12	3688	04	12.0	5	SN			C	2316	40	.4	
0222		13	02448	03005	0341	S08	W00	3681	04	13.1	57	SF					86	.8	EFIJ
	LEAR	13	0244	0300	0340	S09	W00	3681	04	13.1	56	SF		3	C		87		F
	CULG	13	0252	0305	0348	S09	E02	3681	04	13.3	56	SF			C	0305	140	1.4	FIJ
	YUNN	13	0317E	0317U	0336	S07	W03	3681	04	12.9	19D	SN			P	0317	32	.3	E
0223		13	02541	0300	0316	S12	E35	3687	04	15.7	22	SN	C 1.7				50	.5	FJ
	LEAR	13	0254	0300	0319	S13	E35	3687	04	15.8	25	SN	C 1.7	3	C		59		F
	CULG	13	0255	0300	0312	S11	E35	3687	04	15.7	17	SN			C	0300	40	.5	J
0224	YUNN	13	0317E	0317U	0327	S11	E03	3682B	04	13.4	10D	SF			P	0317	64	.7	
0225		13	0405	0420	0445	N23	E28	3694	04	15.3	40	SF					58	.8	DJK
	CULG	13	0405	0420	0447	N23	E27	3694	04	15.2	42	SF			C	0420	30	.4	KJ
	ABST	13	0420E	0420	0443	N23	E28	3694	04	15.3	23D	SF			P	0420	87	1.2	D
0226	YUNN	13	0423E	0423U	0427	S12	E32	3687	04	15.6	4D	SF			P	0423	32	.4	D
0227		13	04385	04509	0524	N17	W08	3688	04	12.6	46	SN					64	.7	DJ
	ABST	13	0438	0450	0528	N17	W07	3688	04	12.7	50	SN			C	0450	87	1.0	D
	CULG	13	0443	0459	0521	N17	W09	3688	04	12.5	38	SN			C	0459	40	.4	J
0228		13	0440*	0500*	0615	S10	W00	3681	04	13.2	95	SN					188	2.2	EFJK
	LEAR	13	0440	0500	0608	S11	E01	3681	04	13.3	88	SN		3	C		106		F
	ABST	13	0451	0540	0633	S10	W01	3681	04	13.1	102	1F			C	0540	437	4.5	FJ
	PEKG	13	0455	0509	0600	S11	E00	3681	04	13.2	65	SN			P	0509	97	1.0	E
	CULG	13	0458E	0504U	0620	S10	W02	3681	04	13.0	82D	SN			P	0504	110	1.1	FJK
0229	CULG	13	0615	0627	0644	N23	E26	3694	04	15.3	29	SF			C	0627	30	.4	JK
0230	YUNN	13	0807	0811	0823	S05	W30	3693	04	11.1	16	SN			C		16	.2	DG
0231		13	08404	08473	0859	N06	W90	3671	04	6.6	19	1N					49		AE
	PEKG	13	0840	0850	0859	N06	W90	3671	04	6.6	19	SN			P	0850	50		E
	YUNN	13	0844	0847	0859	N06	W89	3671	04	6.7	15	1F			C		48		A
0232	ATHN	13	1315	1317	1325	N18	W16	3688	04	12.3	10	SB	C 1.5	3	V	1317	159	1.9	
0233	HOLL	13	1631	1633	1658	N18	W20	3688	04	12.2	27	SN	C 1.9	3	C		95		F
0234	HOLL	13	2022	2036	2040	S12	W60	3675	04	9.3	18	SF		3	C		41		
0235	HOLL	13	2122	2123	2127	S12	W59	3675	04	9.4	5	SF		3	C		22		
0236	CULG	13	2258	2304	2307	S15	W60	3675	04	9.4	9	SF			C	2304	30	.6	
0237	CULG	13	2303	2308	2319	S29	W03	3684	04	13.7	16	SF			C	2308	30	.3	
0238	CULG	13	2315	2318	2322	N16	W27	3688	04	11.9	7	SN			C	2318	20	.2	
0239	CULG	14	0038	0042	0057	N16	W29	3688	04	11.8	19	SF			C	0042	50	.6	J
0240		14	01001	0102*	0135	S05	W22	3680	04	12.4	35	1N	C 5.2				231	2.5	CEFHJKV
	LEAR	14	0100	0102	0140	S06	W22	3680	04	12.4	40	1B	C 5.2	3	C		463		FE
	CULG	14	0100	0104	0142	S06	W23	3680	04	12.3	42	1B			C	0104	200	2.2	VJ
	PEKG	14	0101	0104	0137	S05	W23	3680	04	12.3	36	1N			C	0104	210	2.4	CEHK
	PEKG	14	0101	0126	0137	S04	W24	3680	04	12.2	36	SN			C	0126	105	1.2	E
	MANI	14	0102E	0102	0118	S05	W21	3680	04	12.5	16D	1B		1	V		375	4.1	
	PALE	14	0105E	0105U	0137D	S06	W22	3680	04	12.4	32D	SF		2	C		32		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0241		14	01505	01534	0206	S14	W62	3675	04	9.4	16	SN	C 3.6				63	1.0	D
	CULG	14	0150	0153	0205	S16	W62	3675	04	9.4	15	SN			C	0153	70	1.5	D
	LEAR	14	0152	0155	0206	S14	W62	3675	04	9.4	14	SB	C 3.6	3	C		101		
	PEKG	14	0155	0157	0207	S12	W62	3675	04	9.4	12	SN			C	0157	17	.4	D
0242	LEAR	14	0204	0205	0209	S26	W03	3684	04	13.8	5	SF		3	C		43		
0243		14	0236*	0249*	0444	S27	W02	3684	04	13.9	128	2B	M 1.8				644	7.5	BFIUZ
	CULG	14	0232E	0304U	0409D	S28	E01	3684	04	14.2	97D	2B			P	0304	660	7.3	FIU
	LEAR	14	0236	0249	0545	S27	W03	3684	04	13.9	189	2B	M 1.8	3	C		503		ZU
	MANI	14	0238E	0250	0326D	S27	W02	3684	04	13.9	48D	2B		1	V		490	5.4	ZU
	PEKG	14	0238	0300	0423	S27	W01	3684	04	14.0	105	2B			C	0300	568	6.3	F
	PURP	14	0247	0257	0422	S26	W01	3684	04	14.0	95	1B			C	0257	408	4.5	
	TACH	14	0309	0312	0425	S27	W03	3684	04	13.9	76	3F			C	0312	1238	13.9	BU
0244		14	0417	04191	0424	S04	W26	3680	04	12.2	7	SN					27	.4	DE
	LEAR	14	0417	0420	0425	S04	W26	3680	04	12.2	8	SN		3	C		22		
	PEKG	14	0418E	0419	0423	S03	W26	3680	04	12.2	5D	SF			P	0419	42	.5	E
	YUNN	14	0422E	0422U	0424	S04	W26	3680	04	12.2	2D	SN			P	0422	16	.2	D
0245		14	0418*	0426*	0514	S10	W14	3681	04	13.1	56	SN					135	1.4	EFJ
	LEAR	14	0418	0426	0523	S09	W14	3681	04	13.1	65	SN		3	C		135		F
	YUNN	14	0426E	0426U	0456D	S10	W14	3681	04	13.1	30D	SB			P	0426	96	1.0	E
	PEKG	14	0428	0439	0450	S10	W14	3681	04	13.1	22	SN			C	0439	126	1.3	E
	ABST	14	0429E	0432	0529	S11	W14	3681	04	13.1	60D	SF			P	0432	183	2.0	EJ
0246	PEKG	14	0419E	0419	0428	S09	E13	3687	04	15.1	9D	SF			P	0419	34	.4	E
0247		14	0423	0439	0453	S28	E00	3684	04	14.2	30	SN					117	1.3	E
	YUNN	14	0422E	0426U	0456D	S28	E00	3684	04	14.2	34D	SB			P	0426	129	1.4	
	PEKG	14	0423	0439	0453	S27	E00	3684	04	14.2	30	SF			C	0439	105	1.2	E
0248		14	0442	04562	0514	N18	W21	3688	04	12.6	32	SF					80	1.0	DJ
	ABST	14	0441E	0458	0516D	N18	W21	3688	04	12.6	35D	SF			P	0458	87	1.0	DJ
	LEAR	14	0442	0456	0514	N17	W21	3688	04	12.6	32	SF		3	C		74		
0249	YUNN	14	0513E	0513U	0528	S27	E00	3684	04	14.2	15D	SN			P	0513	64	.7	B
0250		14	0531*	0551*	0626	N17	W21	3688	04	12.6	55	1N	M 2.7				167	2.5	DEFJK
	ABST	14	0531	0603	0633	N18	W21	3688	04	12.6	62	SN			C	0603	175	2.0	DJK
	LEAR	14	0548	0551	0633	N17	W22	3688	04	12.6	45	SF		3	C		20		K
	LEAR	14	0548	0606	0633	N17	W22	3688	04	12.6	45	1B	M 2.7	3	C		194		FEK
	MANI	14	0600	0604	0615	N16	W21	3688	04	12.6	15	1B		1	V		195	2.4	
	PEKG	14	0600	0604	0617	N19	W22	3688	04	12.6	17	1N			C	0604	252	3.1	E
0251	LEAR	14	0623	0624	0630	S14	W64	3675	04	9.4	7	SN		3	C		36		
0252		14	0811	0814	0823	S02	W28	3680	04	12.2	12	SN					27	.4	EF
	LEAR	14	0811	0814	0824	N01	W30	3680	04	12.1	13	SF		3	C		22		F
	YUNN	14	0813E	0814	0822	S04	W27	3680	04	12.3	9D	SN			P		32	.4	E
0253	YUNN	14	0813E	0814	0841	N18	W24	3688	04	12.5	28D	SN			P		16	.2	E
		14	1017		1024	No Flare Patrol													
		14	1030		1059	No Flare Patrol													
		14	1114		1153	No Flare Patrol													
0254	RAMY	14	1155E	1157U	1213	N18	W25	3688	04	12.6	18D	SB	C 4.3	3	C		148		
		14	1221		1242	No Flare Patrol													
0255		14	1310	1359	1424	S03	W31	3680	04	12.2	74	SN					58		F
	RAMY	14	1310	1359	1424	S03	W31	3680	04	12.2	74	SN		3	C		79		
	HOLL	14	1356E	1358U	1409D	S03	W31	3680	04	12.3	13D	SF		3	C		37		F
0256	HOLL	14	1326E	1329	1336D	N01	W14	3682	04	13.5	10D	SN		3	C		168		F
0257	HOLL	14	1534E	1534U	1545D	S25	W10	3684	04	13.9	11D	SF		3	C		28		F
		14	1837		1911	No Flare Patrol													
		14	1922		1923	No Flare Patrol													

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
		14	1938		1942	No Flare Patrol													
		14	2031		2037	No Flare Patrol													
0258	CULG	14	2326	2329	2338	S08	W53	3693	04	11.0	12	SF			C	2329	30	.5	
0259	CULG	14	2347	2351U	2359	N17	W33	3688	04	12.5	12	SF			P	2351	20	.3	
0260		14	2349	2349	2402	S08	E13	3687	04	16.0	13	SF					40	.4	
	LEAR	14	2349	2349	2402	S09	E13	3687	04	16.0	13	SF		3	C		39		
	CULG	14	2349	2351U	2357U	S08	E13	3687	04	16.0	8U	SF			P	2351	40	.4	
0261		15	0346*	0441*	0534	S13	E03	3687	04	15.4	108	SN	C 2.1				120	1.3	EFJK
	CULG	15	0346	0445	0544	S14	E05	3687	04	15.5	118	SN			C	0445	60	.6	KEJ
	LEAR	15	0435	0446	0541	S14	E04	3687	04	15.5	66	SN	C 2.1	3	C		102		F
	TACH	15	0439	0441	0518	S14	E03	3687	04	15.4	39	SN			C	0441	176	1.8	EJ
	PEKG	15	0443E	0447	0507D	S13	E02	3687	04	15.3	24D	SF			C	0447	139	1.4	EK
	PEKG	15	0443E	0507	0507D	S13	E02	3687	04	15.3	24D	SF			C	0507	126	1.3	E
0262		15	04539	04589	0521	S09	W28	3681	04	13.1	28	SN					71	.8	EFJ
	LEAR	15	0453	0458	0532	S09	W28	3681	04	13.1	39	SB		3	C		76		FE
	CULG	15	0454E	0507U	0511D	S10	W28	3681	04	13.1	17D	SN			P	0507	70	.8	J
	PEKG	15	0502	0507	0510	S09	W29	3681	04	13.0	8	SF			C	0507	67	.8	E
0263	LEAR	15	0512	0513	0518	N17	W35	3688	04	12.5	6	SB		3	C		21		E
0264	TACH	15	0553	0559	0613	S10	W28	3681	04	13.1	20	SN			C	0559	132	1.5	E
		15	0632		0639	No Flare Patrol													
0265		15	07414	07506	0805	S10	W30	3681	04	13.1	24	SF	C 1.0				23	.2	E
	HTPR	15	0741	0756	0807	S10	W30	3681	04	13.1	26	SF			C	0756	20	.2	E
	LEAR	15	0745	0750	0803	S09	W30	3681	04	13.1	18	SF	C 1.0	3	C		26		
0266		15	09071	09091	0916	N01	E56	3695	04	19.6	9	SF					32	.6	H
	HTPR	15	0907	0910	0914	N02	E57	3695	04	19.6	7	SF			C	0910	20	.3	
	LEAR	15	0907	0910	0920	N01	E55	3695	04	19.5	13	SF		3	C		32		H
	WEND	15	0908	0909	0915	S01	E57	3695	04	19.6	7	SF			C	0909	44	.8	H
0267		15	0947	09481	0956	N17	W40	3688	04	12.4	9	SF					30	.4	
	HTPR	15	0947	0948	0956	N16	W40	3688	04	12.4	9	SF			C	0948	30	.4	
	WEND	15	0947	0949	0955	N18	W39	3688	04	12.4	8	SF			C	0949	31	.4	
0268	WEND	15	1033	1035	1043	N19	W35	3688	04	12.8	10	SN			C	1035	44	.6	H
		15	1129		1144	No Flare Patrol													
0269		15	1203	1206	1211	N18	W38	3688	04	12.6	8	SN					44	.7	
	RAMY	15	1203	1206	1210	N18	W39	3688	04	12.5	7	SN		3	C		39		
	WEND	15	1206E		1212	N19	W36	3688	04	12.7	6D	SN			C	1206	50	.7	
0270	RAMY	15	1240	1240	1308	N18	W40	3688	04	12.5	28	SN	C 1.3	3	C		28		
0271		15	1322	13243	1342	S09	W32	3681	04	13.1	20	SN	C 1.1				156		
	RAMY	15	1322	1324	1343	S10	W32	3681	04	13.1	21	SN	C 1.1	3	C		188		
	HOLL	15	1322	1327	1342	S08	W33	3681	04	13.1	20	SF		3	C		124		
0272	HOLL	15	1323	1323	1355	S06	W40	3680	04	12.6	32	SF		3	C		20		
0273	RAMY	15	1354	1413	1508	S18	E26	3696	04	17.5	74	SF		3	C		46		
0274		15	1708	1709	1716	N19	W42	3688	04	12.5	8	SN	C 1.9				54	1.0	
	HOLL	15	1708	1709	1716	N19	W42	3688	04	12.5	8	SN	C 1.9	3	C		39		
	BIGB	15	1708	1709	1716	N19	W42	3688	04	12.5	8	SN	C 1.9	3	C	1709	70	1.0	
0275		15	18251	1829	1834	N01	W34	3682	04	13.2	9	SN					32		F
	HOLL	15	1825	1829	1835	N00	W37	3682	04	13.0	10	SF		3	C		37		F
	RAMY	15	1826	1829	1832	N02	W32	3682	04	13.4	6	SN		3	C		26		
0276	CULG	15	2353	2355	2404	N13	W55	3679	04	11.8	11	SF			C	2355	20	.4	
0277	CULG	15	2357	2415	2436	S06	W73	3693	04	10.5	39	SF			C	2415	30		J

H - ALPHA SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0278	CULG	16	0227	0230	0235	N14	W57	3688	04	11.8	8	SN				C	0230	40	.8	
0279	CULG	16	0523	0524	0534	N08	E44	3695	04	19.5	11	SF				C	0524	20	.3	
0280	WEND	16	0812	0814	0820	S01	W82	3693	04	10.2	8	SN				C	0814	19		
0281	PEKG	16	0830E	0831U	0836	S02	W82	3693	04	10.2	6D	SN				C	0831	13		DJ
0282		16	0856*	09204	0940	S02	W82	3693	04	10.2	44	SF						18		D
	PEKG	16	0856	0920	0930D	S02	W82	3693	04	10.2	34D	SF				P	0920	17		D
	WEND	16	0920	0924	0940	S01	W82	3693	04	10.3	20	SF				C	0924	19		
0283	WEND	16	0950	0959	1023D	S01	W83	3693	04	10.2	33D	SN				C	0953	25		
0284	WEND	16	1146	1152	1158	N07	W39	3682	04	13.6	12	SF				C	1152	106	1.4	
0285	WEND	16	1148	1150	1154	S01	W84	3693	04	10.2	6	SF				C	1150	32		
0286		16	1417	14173	1424	N17	W62	3688	04	11.9	7	SN	C	1.0				32	1.1	
	RAMY	16	1417	1417	1425D	N19	W62	3688	04	11.9	8D	SB	C	1.0	3	C		24		
	HOLL	16	1417	1417	1426	N16	W64	3688	04	11.7	9	SF			3	C		21		
	WEND	16	1417	1420	1423	N17	W60	3688	04	12.0	6	SN				C	1420	50	1.1	
0287	BIGB	16	1850	1901	1938	S10	W18	3687	04	15.4	48	SN			3	C	1901	80	.9	
0288		16	2122	2125	2137	S04	W90	3693	04	10.2	15	SN	M	2.0				90	.9	
	BIGB	16	2122	2125	2137	S04	W90	3693	04	10.2	15	SN	M	2.0	3	C	2125	90	.9	
	HOLL	16	2122	2125	2137	S04	W90	3693	04	10.2	15	SN	M	2.0	3	C				
0289		17	01011	01044	0133	S16	E08	3696	04	17.6	32	SB	C	4.9				152	1.7	EF
	YUNN	17	0101	0108	0128	S16	E08	3696	04	17.6	27	1B				C		209	2.2	
	LEAR	17	0102	0104	0129	S17	E08	3696	04	17.6	27	SB	C	4.9	3	C		141		FE
	MANI	17	0102E	0105	0124	S17	E08	3696	04	17.6	22D	SB			1	V		120	1.3	FE
	MITK	17	0108E		0150	S16	E08	3696	04	17.6	42D	SN				C	0108	140	1.5	E
0290		17	0630	06333	0714	S16	E04	3696	04	17.6	44	SN						140	1.5	FJ
	YUNN	17	0630	0634	0642D	S16	E04	3696	04	17.6	12D	SN				P		80	.8	
	LEAR	17	0630	0634	0654D	S17	E04	3696	04	17.6	24D	SN			3	C		127		F
	CULG	17	0630	0636	0704D	S16	E05	3696	04	17.6	34D	SN				P	0636	120	1.2	F
	ABST	17	0631E	0633	0704D	S16	E05	3696	04	17.6	33D	1N				P	0633	261	2.7	FJ
	WEND	17	0649E		0713	S17	E01	3696	04	17.3	24D	SN				C	0649	113	1.2	
	KANZ	17	0659E		0714	S17	E04	3696	04	17.6	15D	SF			1					
0291	KANZ	17	0730	0738	0748	S16	E06	3696	04	17.8	18	SN			1					
0292	HTPR	17	1510	1518	1555	S17	E01	3696	04	17.7	45	SN				C	1518	80	.8	
0293	BIGB	17	1525	1538	1615	S18	W01	3696	04	17.6	50	SN			3	C	1538	70	.7	
0294	HOLL	17	1929	1931	1938	N05	W58	3682	04	13.5	9	SF	C	1.6	3	C		25		
0295	CULG	18	0139E	0139	0140	S17	W02	3696	04	17.9	1D	SF				P	0139	20	.2	H
0296		18	0211	02148	0250	S18	W08	3696	04	17.5	39	SB						80	.7	F
	CULG	18	0211	0214	0227D	S18	W08	3696	04	17.5	16D	SB				P	0214	70	.7	
	LEAR	18	0211	0222	0250	S18	W08	3696	04	17.5	39	SN			3	C		89		F
0297		18	03592	04022	0409	S16	W04	3696	04	17.9	10	SB	C	.9				46	.6	H
	CULG	18	0359	0402	0409	S16	W04	3696	04	17.9	10	SB				C	0402	60	.6	H
	LEAR	18	0401	0404	0409	S17	W04	3696	04	17.9	8	SN	C	.9	3	C		33		
0298		18	05444	0551	0554	S17	W04	3696	04	17.9	10	SN						40	.5	H
	CULG	18	0544	0547U	0547D	S17	W05	3696	04	17.8	3D	SB				P	0547	50	.5	H
	LEAR	18	0548	0551	0554	S17	W04	3696	04	17.9	6	SF			3	C		30		
0299	LEAR	18	0708E	0709	0718	N14	W79	3688	04	12.3	10D	SF			3	C				
		18	0906		0944	No Flare Patrol														
0300	CATA	18	1040	1045	1120	N12	W76	3679	04	12.7	40	S			2	C	1045	28		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0301	CATA	18	1040	1045	1120	N17	W77	3688	04	12.6	40	1		2	C	1045	56		
0302	RAMY	18	1200E	1237	1313	S18	W15	3696	04	17.3	73D	SN		3	C		99		
0303	RAMY	18	1318	1318	1326	S19	W15	3696	04	17.4	8	SF		3	C		34		
0304	RAMY	18	1338	1338	1344	S17	W14	3696	04	17.5	6	SF		3	C		29		
0305	RAMY	18	1352	1403	1407	S19	W16	3696	04	17.3	15	SF		3	C		31		
0306	BIGB	18	1509	1509	1521	S10	W40	3687	04	15.6	12	SF		3	C	1509	70	.9	
0307		18	16062	16182	1645	S20	W14	3696	04	17.6	39	SN	C 2.5				130	1.3	
	HOLL	18	1606	1620	1647	S19	W14	3696	04	17.6	41	SN	C 2.5	3	C		134		
	RAMY	18	1607	1618	1634	S19	W13	3696	04	17.7	27	SN		3	C		136		
	BIGB	18	1608	1618	1653	S21	W14	3696	04	17.6	45	SB		3	C	1618	120	1.3	
0308	BIGB	18	2042	2046	2105	N21	W50	3694	04	15.0	23	SN		3	C	2046	80	1.3	
0309	BIGB	18	2048	2050	2109	S09	W43	3687	04	15.6	21	SF		3	C	2050	70	1.0	
0310		18	22104	22156	2237	N08	E78	3713	04	24.8	27	1N					128		DJ
	VORO	18	2210	2215	2232	N08	E80	3713	04	24.9	22	1N			C	2215	116		DJ
	CULG	18	2214	2221	2242	N08	E75	3713	04	24.5	28	1F			C	2221	140		
0311		18	2221*	2252*	2340	S19	W22	3696	04	17.2	79	SN					86	1.1	EJK
	HOLL	18	2221	2302	2302D	S18	W22	3696	04	17.2	41D	SN		3	C		57		
	BIGB	18	2239	2252	2404	S19	W21	3696	04	17.3	85	SN		3	C	2252	90	1.0	
	VORO	18	2248	2258	2327	S18	W22	3696	04	17.3	39	SB			C	2258	99	1.1	EJK
	CULG	18	2250	2255	2328	S20	W21	3696	04	17.3	38	SN			C	2255	100	1.1	J
0312	CULG	18	2258	2259	2300	S07	W40	3687	04	16.0	2	SF			C	2259	40	.5	
0313		19	04158	04258	0448	S19	W21	3696	04	17.6	33	1B					164	2.0	EFIJKU
	CULG	19	0415	0426	0446	S19	W25	3696	04	17.3	31	1B			C	0426	180	2.0	KJIFE
	PURP	19	0422	0425	0444	S20	W25	3696	04	17.3	22	SB			C	0425	48	.6	E
	TACH	19	0423	0428	0435	S18	W20	3696	04	17.6	12	1N			C	0428	309	3.5	U
	LEAR	19	0430E	0433	0509	S20	W15	3696	04	18.0	39D	SB		2	C		120		FE
0314	ISTA	19	0740		0745	S08	W53	3681	04	15.3	5	SF							D
0315		19	1020	10256	1040	S20	W33	3696	04	16.9	20	SN					72	1.2	E
	MONT	19	1020	1025	1041	S20	W37	3696	04	16.6	21	SF			C	1025	50		E
	ATHN	19	1030E	1031	1038	S20	W29	3696	04	17.2	8D	SN		3	V	1031	95	1.2	
		19	1051		1101	No Flare Patrol													
		19	1135		1148	No Flare Patrol													
0316		19	1755*	18131	1852	S19	W33	3696	04	17.2	57	1B	M 2.0				176	2.2	E
	PALE	19	1755	1814	1840	S21	W33	3696	04	17.2	45	SB		3	C		102		E
	RAMY	19	1810	1813	1854D	S19	W33	3696	04	17.2	44D	1B	M 2.0	3	C		245		
	BIGB	19	1811	1813	1905	S18	W32	3696	04	17.3	54	1B		3	C	1813	180	2.2	
0317	CULG	20	0018	0020	0024	S09	E23		04	21.7	6	SF			C	0020	40	.4	
0318	CULG	20	0309	0311	0322	N15	E61	3703	04	24.7	13	SN			C	0311	20	.4	
0319	ABST	20	0502	0505	0533	N17	E66	3703	04	25.2	31	1F			C	0505	175		EJ
0320	HTPR	20	0910		0921D	N20	E63	3703	04	25.2	11D	SF			C	0913	40	.8	
		20	1101		1208	No Flare Patrol													
		20	2050		2130	No Flare Patrol													
		20	2138		2140	No Flare Patrol													
		20	2204		2212	No Flare Patrol													
0321	CULG	21	0333	0337	0347D	N11	E53	3707	04	25.1	14D	SF			P	0337	20	.3	
0322	RAMY	21	1251	1257	1325	N11	E52	3702	04	25.4	34	SF	C .8	3	C		26		
		21	2055		2104	No Flare Patrol													

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0323		22	0237	0237	0246	N18	E36	3703	04	24.8	9	SN						54	1.1	F
	CULG	22	0237	0237	0244	N19	E35	3703	04	24.8	7	SF				C	0237	80	1.1	F
	LEAR	22	0237	0237	0247	N18	E36	3703	04	24.8	10	SN			3	C		29		
0324	HTPR	22	1026	1027	1029	N08	E36	3707	04	25.1	3	SF				C	1027	20	.2	
		22	1101		1104	No Flare Patrol														
0325	HTPR	22	1243		1245D	N10	E31	3707	04	24.8	2D	SF				C	1245	30	.3	
0326	HTPR	22	1254		1427D	N10	E45	3707	04	25.9	93D	2B				C	1323	500	7.0	EHIW
0327	KANZ	22	1301		1301D	N12	E37	3702	04	25.3	93D	SN			1					
0328	BIGB	22	1454E	1504	1647	N14	E48	3702	04	26.2	113D	1B			3	P	1504	320	5.0	
0329	KANZ	22	1457	1502	1515	N11	E32	3707	04	25.0	18	SF			1					
0330	BIGB	22	1746	1751	1759	N19	E20	3703	04	24.3	13	SN			3	C	1751	80	.9	
0331	RAMY	22	1754	1947	2017	N19	E30	3703	04	25.0	143	SF			3	C		55		
0332	RAMY	22	1820	1823	1840	N22	E54	3706	04	26.9	20	SF			3	C		20		
0333	RAMY	22	1820	1853	1906	N09	E35	3702	04	25.4	46	SF			3	C		105		
0334		22	2157	2159	2208	N19	E23	3703	04	24.7	11	SN						52	.8	
	RAMY	22	2157	2159	2207	N19	E23	3703	04	24.7	10	SN			3	C		35		
	BIGB	22	2157	2159	2208	N19	E23	3703	04	24.7	11	SN			3	C	2159	70	.8	
0335	CULG	22	2210	2214	2234	N02	W07	3708	04	22.4	24	SF				P	2214	40	.4	
0336	RAMY	22	2211	2214	2215	N12	E37	3702	04	25.7	4	SF			3	C		51		
0337	CULG	23	0102	0108	0122	S12	E13	3713A	04	24.0	20	SF				C	0108	60	.6	
0338	PEKG	23	0138E	0145	0151D	N02	W08	3708	04	22.5	13D	SF				P	0145	168	1.8	E
0339		23	0141	0144	0150	N20	E22	3703	04	24.7	9	SN						114	1.4	EJ
	CULG	23	0141	0144	0152	N21	E22	3703	04	24.7	11	SN				C	0144	90	1.1	J
	PEKG	23	0144E	0144	0149	N20	E22	3703	04	24.7	5D	SF				P	0144	139	1.7	E
0340	CULG	23	0235	0235	0241	N21	E28	3703	04	25.2	6	SF				C	0235	40	.5	
0341		23	0413	0414	0422	N20	E25	3703	04	25.1	9	SN						36	.4	F
	CULG	23	0413	0414	0422	N21	E24	3703	04	25.0	9	SF				C	0414	30	.4	
	LEAR	23	0415E	0416U	0421	N19	E26	3703	04	25.2	6D	SN			2	C		42		F
0342		23	0603*	06166	0628	N23	E44	3706	04	26.6	25	SF						50	.7	EJK
	CULG	23	0603	0622	0630	N23	E43	3706	04	26.6	27	SF				C	0622	40	.6	JK
	HTPR	23	0615	0616	0626	N23	E44	3706	04	26.6	11	SF				C	0616	60	.8	E
0343	HTPR	23	0707	0710	0714	N19	E22	3703	04	25.0	7	SF				C	0710	30	.3	
0344	HTPR	23	0725	0726	0733	N23	E44	3706	04	26.7	8	SF				C	0726	70	1.0	
0345	HTPR	23	0843	0844	0848	N09	E24	3707	04	25.2	5	SF				C	0844	30	.3	
0346		23	0852*	0853*	0915	N21	E44	3706	04	26.7	23	SN	C	2.3				76	1.5	E
	LEAR	23	0852	0853	0857	N21	E44	3706	04	26.7	5	SF			3	C		22		
	LEAR	23	0903	0904	0926D	N22	E44	3706	04	26.7	23D	SN	C	2.3	2	C		74		
	PEKG	23	0903	0904	0930	N21	E43	3706	04	26.7	27	1N				C	0904	143	2.3	E
	HTPR	23	0904	0904	0914	N23	E44	3706	04	26.8	10	SN				C	0904	60	.8	
	CATA	23	0905	0905	0920	N21	E44	3706	04	26.7	15	S			2	C	0905	84	1.4	
0347	CATA	23	0950	0950	1000	S13	W01	3699	04	23.3	10	S			2	C	0950	56	.6	
0348		23	09504	0950*	1011	N21	E43	3706	04	26.7	21	SF						48	.8	E
	CATA	23	0950	0950	1015	N20	E43	3706	04	26.7	25	S			2	C	0950	56	.9	
	HTPR	23	0954	1000	1007	N22	E43	3706	04	26.7	13	SF				C	1000	40	.6	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Xray	Obs See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0349	WEND	23	1004		1014D	N25	E22	3710	04	25.1	10D	SF			P	1009	37	.4	
0350	ABST	23	1047E	1047	1055D	N24	E45	3706	04	26.9	8D	SF			P	1047	87	1.5	DJ
0351	ABST	23	1048	1049	1055D	N09	E23	3707	04	25.2	7D	SF			P	1049	87	1.0	DJV
0352		23	12396	12415	1320	N22	E42	3706	04	26.7	41	SN					59	.7	E
	HTPR	23	1239	1241	1251	N22	E42	3706	04	26.7	12	SB			C	1241	50	.7	E
	RAMY	23	1245	1246	1348	N22	E42	3706	04	26.7	63	SF		3	C		68		
0353	HTPR	23	1335	1337	1339	N08	E20	3707	04	25.1	4	SF			C	1337	20	.2	
0354		23	1441*	15028	1540	N22	E42	3706	04	26.8	59	SN					52	.5	E
	RAMY	23	1441	1502	1550	N22	E43	3706	04	26.9	69	SN		3	C		63		
	HTPR	23	1502	1510	1529	N23	E40	3706	04	26.7	27	SF			C	1510	40	.5	E
0355		23	16351	16371	1652	N18	E16	3703	04	24.9	17	SN	C 1.4				73	.9	F
	RAMY	23	1635	1638	1649	N18	E16	3703	04	24.9	14	SN	C 1.4	3	C		66		F
	BIGB	23	1636	1637	1655	N18	E16	3703	04	24.9	19	SN		3	C	1637	80	.9	
0356	RAMY	23	1822	1824	1831	N21	E41	3706	04	26.9	9	SF		3	C		26		
0357	BIGB	23	2311	2314	2316	N22	E39	3706	04	27.0	5	SN		3	C	2314	90	1.2	
0358		23	2313	2315	2322	N17	E14	3703	04	25.0	9	SN					70	.8	DJ
	VORO	23	2313	2315	2322	N17	E15	3703	04	25.1	9	SN			C	2315	99	1.1	DJ
	CULG	23	2313E	2315U	2323D	N17	E14	3703	04	25.0	10D	SF			P	2315	40	.4	D
0359		23	2313	23161	2336	N01	W23	3708	04	22.2	23	SN					79	.9	DJK
	CULG	23	2313E	2316	2323D	N01	W23	3708	04	22.2	10D	SN			P	2316	50	.6	DJ
	VORO	23	2313	2317	2336	N01	W23	3708	04	22.2	23	SN			C	2317	108	1.2	DJK
0360		23	23571	2402	2418	N17	E12	3703	04	24.9	21	SN					69	1.2	
	BIGB	23	2357	2402	2421	N17	E12	3703	04	24.9	24	SN		3	C	2402	110	1.2	
	LEAR	23	2358	2402	2414	N17	E12	3703	04	24.9	16	SN		3	C		28		
0361	PEKG	24	0006E	0006	0015	N18	E13	3703	04	25.0	9D	SN			P	0006	93	1.1	E
0362	VORO	24	0119		0121D	N22	E36	3706	04	26.8	2D	SN			P	0119	90	1.3	EJ
0363		24	0150*	02081	0219	N22	E35	3706	04	26.8	29	SN					42	.8	EJK
	CULG	24	0150	0209	0220	N23	E35	3706	04	26.8	30	SN			C	0209	60	.8	JKE
	LEAR	24	0208	0208	0218	N21	E35	3706	04	26.8	10	SN		3	C		24		
0364		24	0219	02217	0239	N18	E10	3703	04	24.8	20	SN					86	.6	F
	CULG	24	0219	0221	0234	N19	E10	3703	04	24.8	15	SF			C	0221	50	.6	F
	LEAR	24	0219	0228	0244	N17	E11	3703	04	24.9	25	SN		3	C		121		F
0365	CULG	24	0247	0259	0320	N22	E32	3706	04	26.6	33	SF			C	0259	70	.9	JK
0366	LEAR	24	0256	0256	0313	N08	E13	3707	04	25.1	17	SF	C 2.0	3	C		27		
0367		24	0625	06269	0656	N08	E12	3707	04	25.2	31	SN					87	1.1	EF
	LEAR	24	0625	0626	0654	N08	E12	3707	04	25.2	29	SN		3	C		51		F
	PEKG	24	0625	0628	0658	N09	E12	3707	04	25.2	33	SF			P	0628	97	1.0	E
	CATA	24	0635E	0635	0640D	N08	E13	3707	04	25.2	5D	S		2	P	0635	112	1.2	
0368		24	06351	06357	0649	N20	E12	3703	04	25.2	14	SB	C 3.9				76	.8	DEH
	CATA	24	0635E	0635	0640D	N19	E13	3703	04	25.3	5D	S		2	P	0635	68	.8	
	PEKG	24	0635E	0636	0644	N20	E12	3703	04	25.2	9D	SB			P	0636	101	1.2	E
	ATHN	24	0635	0637	0644	N20	E12	3703	04	25.2	9	SB		4	V	0637	111	1.2	
	LEAR	24	0635	0637	0648	N19	E12	3703	04	25.2	13	SB	C 3.9	3	C		119		H
	HTPR	24	0636	0638	0659	N20	E12	3703	04	25.2	23	SN			C	0638	60	.6	
	MANI	24	0637E	0637	0643D	N18	E12	3703	04	25.2	6D	SB		1	V		90	1.0	
	CULG	24	0638E	0638U	0638D	N21	E11	3703	04	25.1	6D	SN			P	0638	30	.3	
	PURP	24	0641E	0642	0650	N19	E12	3703	04	25.2	9D	SN			C	0642	27	.3	D
		24	1041		1122	No Flare Patrol													
0369	RAMY	24	1120	1137U	1153	N21	E12	3703	04	25.4	33	SN	C 2.3	3	C		38		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Corr (Sq Deg)	Remarks
		24	1130		1136	No Flare Patrol													
0370	RAMY	24	1137E	1137	1147	N03	W64	3695	04	19.7	10D	SN		3	C		39		F
0371	RAMY	24	1138	1138	1147	N22	E31	3706	04	26.9	9	SN		3	C		21		F
0372	CATA	24	1145	1155	1155D	N05	E11	3701	04	25.3	10D	S		2	P	1155	169	1.8	
0373	RAMY	24	1216	1233	1236	N18	E06	3703	04	25.0	20	SF		3	C		24		F
0374		24	1252*	1252*	1314	N09	E08	3707	04	25.1	22	SN	C 2.6				56	.5	EF
	RAMY	24	1252	1252	1323	N10	E07	3707	04	25.1	31	SB	C 2.6	3	C		67		FE
	HTPR	24	1252	1253	1301	N09	E08	3707	04	25.1	9	SN			C	1253	60	.6	E
	HTPR	24	1308	1311	1318	N09	E09	3707	04	25.2	10	SF			C	1311	40	.4	E
0375	HTPR	24	1345	1348	1402	N09	E08	3707	04	25.2	17	SF			C	1348	60	.6	E
0376	HTPR	24	1428	1435	1451	N09	E07	3707	04	25.1	23	SF			C	1435	50	.5	E
0377	HTPR	24	1431	1433	1443	N04	E08	3701	04	25.2	12	SF			C	1433	30	.3	
0378	RAMY	24	1509	1513	1528	N18	E08	3703	04	25.2	19	SF	C 1.2	3	C		47		
0379		24	1552	1554	1600	N07	E08	3707	04	25.3	8	SN					43		
	RAMY	24	1552	1554	1600	N09	E07	3707	04	25.2	8	SN		3	C		27		
	HOLL	24	1555E	1555U	1705D	N05	E08	3707	04	25.3	70D	SF		3	C		59		
0380		24	1627	1628*	1737	N09	E06	3707	04	25.1	70	SN	C 2.1				34		
	RAMY	24	1627	1628	1746	N09	E06	3707	04	25.1	79	SN	C 2.1	3	C		38		
	HOLL	24	1710E	1720	1728	N09	E06	3707	04	25.2	18D	SF		3	C		29		
0381	HOLL	24	1759	1814	1821	N09	E05	3707	04	25.1	22	SF		3	C		23		
0382	HOLL	24	1833	1835	1845	S03	W44	3709	04	21.5	12	SF	C 1.3	3	C		63		
		24	2117		2124	No Flare Patrol													
		24	2135		2139	No Flare Patrol													
0383	VORO	24	2306	2308	2319	N05	E04	3701	04	25.3	13	SN			C	2308	134	1.4	E
0384		25	00211	0027*	0101	N05	E04	3701	04	25.3	40	SN	C 1.3				111	1.2	EFJK
	CULG	25	0021	0027	0055	N06	E04	3701	04	25.3	34	SF			C	0027	50	.5	EJ
	LEAR	25	0021	0044	0112	N05	E04	3701	04	25.3	51	SN	C 1.3	3	C		87		F
	VORO	25	0022	0027	0056	N05	E04	3701	04	25.3	34	SN			C	0027	197	2.0	EJK
0385		25	01241	01274	0144	N05	E03	3701	04	25.3	20	SN	C 2.1				124	1.3	EFJ
	CULG	25	0124	0128	0150	N06	E03	3701	04	25.3	26	SN			C	0128	70	.7	EJ
	MITK	25	0125	0127	0143	N05	E03	3701	04	25.3	18	SN			C	0127	120	1.3	E
	LEAR	25	0125	0127	0147	N04	E03	3701	04	25.3	22	SB	C 2.1	3	C		105		FE
	VORO	25	0125	0128	0146	N06	E04	3701	04	25.3	21	SB			C	0128	161	1.7	E
	MANI	25	0126E	0127	0141	N04	E03	3701	04	25.3	15D	SN		1	V		100	1.0	F
	PEKG	25	0129E	0131	0140	N05	E03	3701	04	25.3	11D	SN			C	0131	189	2.0	E
0386		25	0250	02525	0304	N09	W00	3707	04	25.1	14	SF					57	.6	DJ
	CULG	25	0250	0252	0306	N09	W01	3707	04	25.0	16	SF			C	0252	30	.3	J
	PEKG	25	0255E	0257	0303	N09	E00	3707	04	25.1	8D	SF			C	0257	84	.9	D
0387		25	0332	0332	0339	N18	W02	3703	04	25.0	7	SF					28	.3	F
	LEAR	25	0332	0332	0340	N18	W02	3703	04	25.0	8	SF		3	C		31		F
	MANI	25	0333E	0333U	0338	N18	W02	3703	04	25.0	5D	SF		1	V		25	.3	F
0388	CULG	25	0523	0525U	0529U	N36	E03		04	25.5	6U	SF			P	0525	20	.3	
0389		25	0526*	05325	0542	N16	W05	3703	04	24.8	16	SF					104	1.9	EFK
	ABST	25	0526	0532	0540	N17	W05	3703	04	24.8	14	SF			C	0532	174	1.9	EK
	LEAR	25	0536	0537	0545	N16	W05	3703	04	24.8	9	SF		3	C		33		F
0390		25	05516	0559	0626	N16	W06	3703	04	24.8	35	SF					32	.2	F
	LEAR	25	0551	0559	0626	N16	W05	3703	04	24.9	35	SF		3	C		44		F
	CULG	25	0557	0559U	0559D	N16	W08	3703	04	24.6	2D	SF			P	0559	20	.2	

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0391		25	0655	07015	0708D	N23	E16	3706	04	26.5	13D	SN					64	.8	DEJ
	ABST	25	0655	0706	0708D	N23	E16	3706	04	26.5	13D	SN			P	0706	87	1.0	DJ
	PEKG	25	0701E	0701	0705D	N23	E16	3706	04	26.5	4D	SF			C	0701	42	.5	E
		25	0932		0950	No Flare Patrol													
0392	RAMY	25	1155	1203	1216	S11	W20	3699	04	24.0	21	SF		3	C		31		F
0393		25	12055	12076	1225	N06	W02	3701	04	25.3	20	SB	C 1.4				81	1.3	
	RAMY	25	1205	1207	1224	N06	W02	3701	04	25.3	19	SN	C 1.4	3	C		35		
	ATHN	25	1210	1213	1226	N05	W02	3701	04	25.3	16	SB		3	V	1213	127	1.3	
0394	RAMY	25	1343	1348	1404	S05	W58	3709	04	21.2	21	SF		3	C		24		
0395	RAMY	25	1409	1438	1447	S05	W58	3709	04	21.2	38	SF		3	C		23		
0396	BIGB	25	1759	1814	1827	N09	E05	3707	04	26.1	28	SF		3	C	1814	100	1.0	
0397	BIGB	25	2031	2035	2100	N08	W02	3707	04	25.7	29	SN		3	C	2035	80	.8	
0398	HOLL	25	2032	2034	2045	N10	W10	3707	04	25.1	13	SF	C 1.4	3	C		128		F
0399	HOLL	25	2141	2141	2200	N03	W47	3708	04	22.4	19	SF		3	C		16		F
0400		25	2143	21441	2211	N11	W11	3707	04	25.1	28	SN					65	.8	F
	HOLL	25	2143	2144	2218	N13	W13	3707	04	24.9	35	SF		3	C		50		F
	BIGB	25	2143	2145	2204	N09	W09	3707	04	25.2	21	SN		3	C	2145	80	.8	
0401	HOLL	25	2144	2144	2205	N15	W11	3703	04	25.1	21	SF	C 1.3	3	C		26		F
0402	CULG	25	2215E	2221	2238	N13	W15	3702	04	24.8	23D	SF			P	2221	40	.4	J
0403	BIGB	25	2340	2345	2430	N03	W02	3701	04	25.8	50	SN		3	C	2345	70	.7	
0404	CULG	25	2341	2343	2401	N25	E11	3706	04	26.8	20	SF			C	2343	20	.2	J
0405	CULG	26	0103	0106	0114	S06	W60	3709	04	21.5	11	SN			C	0106	20	.4	JT
0406		26	01026	0109	0128	N19	W14	3703	04	25.0	26	SN					68	.9	EFI
	CULG	26	0102	0109	0126	N18	W16	3703	04	24.8	24	SF			C	0109	80	.9	EI
	LEAR	26	0108	0109	0130	N20	W12	3703	04	25.1	22	SN		3	C		57		F
0407	PALE	26	0214	0216	0221	S04	W63	3709	04	21.4	7	SF		3	C		50		
0408	PALE	26	0217	0217	0220	N06	W37	3705	04	23.3	3	SF		3	C		44		
0409	CULG	26	0521E	0528U	0536	N12	W06	3702	04	25.8	15D	SF			P	0528	30	.3	J
0410	LEAR	26	0555	0611	0629	N20	W11	3703	04	25.4	34	SN		3	C		58		
0411		26	0636E	0636*	0705	S04	W65	3709	04	21.4	29D	SN					42		E
	PEKG	26	0636E	0636	0705	S03	W66	3709	04	21.3	29D	SN			C	0636	42		E
	KANZ	26	0657E	0657	0705	S06	W64	3709	04	21.5	8D	SF		1					
0412	KANZ	26	0739	0746	0802	N16	E43	3712	04	29.6	23	SF		1					GL
0413	ATHN	26	1021	1025	1042	N18	W19	3703	04	25.0	21	SB	C 1.3	3	V	1025	159	1.9	
0414		26	11531	11551	1306	N20	E06	3706	04	26.9	73	SN					162		
	KANZ	26	1153	1156	1214	N19	E04	3706	04	26.8	21	SN		2					
	RAMY	26	1154	1155	1357	N20	E07	3706	04	27.0	123	SN		3	C		162		
0415	RAMY	26	1523	1531	1543	N11	W21	3707	04	25.1	20	SF		3	C		40		
0416		26	2310*	24012	2427	N15	W27	3703	04	24.9	77	1N					179	2.0	FIJ
	BIGB	26	2310	2402	2423D	N15	W27	3703	04	24.9	73D	SN		3	P	2402	160	1.9	
	CULG	26	2357	2403	2427	N14	W28	3703	04	24.9	30	1N			C	2403	180	2.2	FIJ
	LEAR	26	2358	2401	2415D	N15	W27	3703	04	24.9	17D	1N		3	C		196		F
0417	CULG	27	0346	0351	0400	N13	E04		04	27.4	14	SF			C	0351	30	.3	GJ

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0418	CULG	27	0525	0530	0539	N11	W25	3707	04	25.3	14	SF				C	0530	20	.2	J
0419		27	06446	06464	0654	N22	W05	3706	04	26.9	10	SF						39	.4	
	HTPR	27	0644	0647	0650	N22	W05	3706	04	26.9	6	SF				C	0647	30	.3	
	CULG	27	0645	0646	0651	N22	W05	3706	04	26.9	6	SF				C	0646	30	.3	
	CATA	27	0650	0650	0700	N22	W04	3706	04	27.0	10	S			2	C	0650	56	.6	
0420		27	07466	07524	0800	N22	W05	3706	04	26.9	14	SB						94	1.0	DF
	HTPR	27	0746	0752	0759	N22	W05	3706	04	26.9	13	SB				C	0752	90	.9	
	ISTA	27	0750		0757	N22	W03	3706	04	27.1	7	SN								D
	ATHN	27	0752	0756	0804	N22	W07	3706	04	26.8	12	SB			3	V	0756	127	1.5	
	MANI	27	0754E	0756	0800	N22	W06	3706	04	26.9	6D	SN			1	V		105	1.2	F
	CATA	27	0755E	0755	0800	N22	W04	3706	04	27.0	5D	S			2	P	0755	56	.6	
0421		27	0920*	0939*	1011	N22	W07	3706	04	26.8	51	SB						78	.8	K
	HTPR	27	0920	0939	1011	N22	W06	3706	04	26.9	51	SB				C	0943	60	.6	K
	ATHN	27	1001	1005	1017D	N22	W08	3706	04	26.8	16D	SB			3	V	1005	95	1.1	
0422		27	10092	1014	1024	N10	W30	3707	04	25.2	15	SN	C	1.2				86	1.0	E
	HTPR	27	1009	1014	1024	N10	W31	3707	04	25.1	15	SF				C	1014	30	.3	E
	ATHN	27	1011	1014	1017D	N10	W30	3707	04	25.2	6D	SB	C	1.2	3	V	1014	143	1.8	
0423	HTPR	27	1021	1023	1025	S06	W75	3709	04	21.8	4	SF				C	1023	20		
0424		27	1025	10271	1030	N22	W06	3706	04	27.0	5	SB						130	.8	E
	MONT	27	1025	1027	1030	N21	W05	3706	04	27.0	5	SN				C	1027	180		
	HTPR	27	1025	1028	1030	N22	W06	3706	04	27.0	5	SB				C	1028	80	.8	E
0425		27	1114*	1115*	1232	S19	E66	3714	05	2.5	78	SF						50	.9	K
	RAMY	27	1114	1115	1115D	S20	E66	3714	05	2.5	1D	SF			3	C		16		K
	RAMY	27	1114	1229	1229D	S20	E66	3714	05	2.5	75D	SF			3	C		93		K
	HTPR	27	1229	1230	1232	S17	E65	3714	05	2.4	3	SF				C	1230	40	.9	
0426		27	12171	1218	1229	N11	W32	3707	04	25.1	12	SF	C	1.2				47	.3	E
	HTPR	27	1217	1218	1223	N10	W32	3707	04	25.1	6	SF				C	1218	30	.3	E
	KANZ	27	1218E		1218D	N11	W32	3707	04	25.1	6D	SN			2					
	RAMY	27	1218	1218	1235	N11	W31	3707	04	25.2	17	SF	C	1.2	3	C		64		
0427	HTPR	27	1311	1314	1322	N10	W33	3707	04	25.1	11	SF				C	1314	30	.4	E
0428	HTPR	27	1541	1545	1548	S17	E63	3714	05	2.4	7	SF				C	1545	30	.6	E
0429		27	15531	1557	1620	N20	W36	3703	04	24.9	27	SN	C	1.2				76	1.0	
	RAMY	27	1553	1557	1616	N20	W36	3703	04	24.9	23	SN	C	1.2	3	C		72		
	BIGB	27	1554	1557	1623	N20	W36	3703	04	24.9	29	SN			3	C	1557	80	1.0	
0430		27	16211	1623	1637	S18	E64	3714	05	2.5	16	SN	C	1.3				49	.4	
	HTPR	27	1621	1623	1626	S17	E62	3714	05	2.4	5	SF				C	1623	20	.4	
	RAMY	27	1622	1623	1640	S19	E65	3714	05	2.6	18	SN	C	1.3	3	C		26		
	BIGB	27	1622	1623	1646	S19	E65	3714	05	2.6	24	1N			3	C	1623	100		
		27	1849		1902	No Flare Patrol														
		27	1921		2045	No Flare Patrol														
0431	CULG	27	2203	2205	2214	N10	W37	3707	04	25.1	11	SN				C	2205	70	.8	J
0432	HOLL	27	2321	2321	2333	S18	E60	3714	05	2.5	12	SF			3	C		23		
0433	CULG	28	0123	0127	0134	N05	W41	3701	04	25.0	11	SF				C	0127	20	.3	
0434		28	01356	01412	0151	S16	E60	3714	05	2.6	16	SN	C	1.4				61	1.2	EFJT
	PALE	28	0135	0142	0152	S17	E60	3714	05	2.6	17	SF	C	1.4	2	C		64		
	CULG	28	0136	0141	0152	S16	E59	3714	05	2.5	16	SN				C	0141	50	1.0	EJT
	LEAR	28	0139	0141	0151	S16	E63	3714	05	2.8	12	SN			3	C		62		F
	PEKG	28	0141	0143	0150	S13	E59	3714	05	2.5	9	SN				P	0143	67	1.4	E
0435		28	01582	02001	0206	S18	E59	3714	05	2.6	8	SN						40		F
	PALE	28	0158	0200	0207	S17	E59	3714	05	2.6	9	SF			2	C		39		
	LEAR	28	0200	0201	0206	S19	E59	3714	05	2.6	6	SN			3	C		40		F
0436	ABST	28	0400	0402	0405	N14	W40	3702	04	25.1	5	SF				C	0402	87	1.3	DJ

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0437	ABST	28	0400	0402	0410	S17	E60	3714	05	2.7	10	1F			C	0402	131	2.7	DJ
0438	ABST	28	0402	0410	0419D	N24	W19	3706	04	26.7	17D	SF			P	0410	87	1.1	DJ
0439		28	0427	04283	0440	N08	W46	3713	04	24.7	13	SN					54	1.4	DJ
	LEAR	28	0427	0428	0437	N07	W46	3713	04	24.7	10	SF		3	C		21		
	ABST	28	0429E	0431	0443	N08	W46	3713	04	24.7	14D	SN			P	0431	87	1.4	DJ
0440	CULG	28	0510	0512	0525	S16	E56	3714	05	2.5	15	SF			C	0512	50	.9	JT
0441		28	0534	05364	0559	N10	W43	3707	04	25.0	25	SN					58	.8	DJ
	ABST	28	0534	0536	0600	N11	W43	3707	04	25.0	26	SN			C	0536	87	1.3	DJ
	CULG	28	0534	0540	0558	N10	W43	3707	04	25.0	24	SF			C	0540	30	.4	J
0442	CULG	28	0630	0633	0644	N14	W43	3702	04	25.0	14	SF			C	0633	20	.3	
0443	LEAR	28	0705	0706	0716	S12	W59	3699	04	23.8	11	SF		3	C		22		
0444	PEKG	28	0740	0747	0758	S18	E57	3714	05	2.6	18	SF			C	0747	21	.4	E
0445		28	07541	07562	0802	N09	W48	3707	04	24.7	8	SN					42	1.0	E
	LEAR	28	0754	0758	0803	N08	W48	3707	04	24.7	9	SN		3	C		21		
	ISTA	28	0755		0802	N09	W48	3707	04	24.7	7	SF							E
	PEKG	28	0755	0756	0756D	N11	W47	3707	04	24.8	1D	SN			P	0756	63	1.0	E
0446	PEKG	28	0807	0821	0821D	S03	W90	3709	04	21.6	14D	SN			P	0821	84		D
0447		28	14012	1405	1408	S17	E54	3714	05	2.7	7	SN					29	.5	
	HTPR	28	1401	1405	1408	S16	E54	3714	05	2.7	7	SN			C	1405	30	.5	
	HOLL	28	1403	1405	1409	S18	E54	3714	05	2.7	6	SF		3	C		28		
0448	HOLL	28	1449	1455	1502	N19	W41	3703	04	25.5	13	SF		3	C		35		
0449		28	1517	15241	1539	S16	E53	3714	05	2.6	22	SN					92	.8	
	HOLL	28	1517	1524	1541	S17	E53	3714	05	2.7	24	SF		3	C		135		
	HTPR	28	1517	1525	1537	S16	E53	3714	05	2.6	20	SN			C	1525	50	.8	
0450	HOLL	28	1544	1545	1554	S18	E53	3714	05	2.7	10	SF		3	C		24		
0451		28	1604	16442	1710	S16	E52	3714	05	2.6	66	SN					80	.7	
	HTPR	28	1604	1644	1720	S16	E53	3714	05	2.7	76	SB			C	1644	40	.7	
	HOLL	28	1644E	1646	1659	S16	E51	3714	05	2.6	15D	SF		3	C		120		
0452	HOLL	28	1730	1745	1757	S18	E52	3714	05	2.7	27	SF		3	C		28		
0453		28	1816*	1825*	1849	S18	E52	3714	05	2.7	33	SF	C 2.0				81	1.7	F
	HOLL	28	1816	1825	1847	S18	E52	3714	05	2.7	31	SF	C 2.0	3	C		90		F
	BIGB	28	1816	1825	1852	S18	E52	3714	05	2.7	36	SN		3	C	1825	100	1.7	
	PALE	28	1837	1839	1848	S17	E52	3714	05	2.7	11	SF		3	C		53		
0454	PALE	28	1851	1853	1901	S15	E51	3714	05	2.6	10	SF		3	C		26		
0455		28	21052	21075	2129	N18	W53	3703	04	24.8	24	1N	C 4.9				164	2.2	EFK
	CULG	28	2105	2106U	2123	N17	W52	3703	04	24.9	18	SN			P	2106	60	1.1	EK
	HOLL	28	2105	2107	2133	N20	W53	3703	04	24.8	28	1B		3	C		199		F
	PALE	28	2105	2112U	2131	N18	W54	3703	04	24.8	26	1N	C 4.9	3	C		206		
	BIGB	28	2107	2112	2129	N18	W54	3703	04	24.8	22	1N		3	C	2112	190	3.3	
0456		28	2144	21442	2153	N20	W48	3703	04	25.2	9	SN					50	.6	
	CULG	28	2144	2144	2150	N19	W48	3703	04	25.2	6	SF			C	2144	40	.6	
	PALE	28	2144	2146	2156	N20	W48	3703	04	25.2	12	SN		3	C		60		
0457	CULG	28	2203	2214	2228	N07	W55	3701	04	24.8	25	SF			C	2214	60	1.1	J
0458	PALE	29	0200	0203	0204	S16	E42	3714	05	2.3	4	SF		3	C		23		
0459	LEAR	29	0222	0224	0307	N11	W52	3707	04	25.2	45	SF	C 2.2	3	C		72		
0460		29	02223	0224*	0317	N18	W55	3703	04	24.9	55	SN	C 1.5				86		FK
	LEAR	29	0222	0224	0328	N20	W55	3703	04	24.9	66	SF		3	C		71		K
	LEAR	29	0222	0241	0328	N20	W55	3703	04	24.9	66	SN	C 1.5	3	C		123		FK
	PALE	29	0225	0239	0256	N15	W54	3703	04	25.0	31	SN		3	C		63		F

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APRIL 1982

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0461		29	0424	04284	0454	N24	W32	3706	04	26.7	30	1N					138	2.5	EFJ
	ABST	29	0424	0428	0449	N25	W35	3706	04	26.5	25	1N			C	0428	175	2.5	EJ
	LEAR	29	0424	0432	0500	N22	W30	3706	04	26.9	36	SF		3	C		102		F
0462	LEAR	29	0527	0528	0535	N19	W56	3703	04	24.9	8	SF		3	C		21		
0463	ABST	29	0542	0543	0548	S17	E46	3714	05	2.7	6	SF			C	0543	87	1.3	DV
0464	HTPR	29	1000	1004	1010	N24	W36	3706	04	26.6	10	SF			C	1004	30	.4	E
		29	1054		1059	No Flare Patrol													
0465		29	1109	11205	1150	N16	W60	3703	04	24.9	41	2B					314	6.1	EI
	HTPR	29	1109	1120	1150	N15	W57	3703	04	25.1	41	2N			C	1120	500	9.0	EI
	ATHN	29	1123E	1125	1147D	N17	W63	3703	04	24.7	24D	1B		1	V	1125	127	3.2	
0466	HTPR	29	1220	1222	1230	S13	W70	3699	04	24.2	10	SF			C	1222	50		E
0467	HTPR	29	1234	1237	1243	S16	E41	3714	05	2.6	9	SF			C	1237	60	.8	E
0468	HTPR	29	1502	1508	1516	N23	W39	3706	04	26.6	14	SF			C	1508	20	.3	
0469	RAMY	29	1713	1717	1719	S19	E37	3714	05	2.5	6	SF		3	C		26		
0470	RAMY	29	1744	1757	1759	N22	W41	3706	04	26.6	15	SF		3	C		29		
0471	RAMY	29	1854	1857	1902	S12	W51	3715	04	25.9	8	SF		3	C		22		
0472	RAMY	29	1855	1858	1905	S18	E37	3714	05	2.6	10	SF		3	C		21		
0473	RAMY	29	1915	1919	2000D	N10	W68	3707	04	24.7	45D	1N	C 2.8	3	C		135		F
		29	2001		2116	No Flare Patrol													
0474		29	2315	23189	2348	N24	W45	3706	04	26.5	33	SN	C 2.0				74	1.6	FJK
	VORO	29	2315	2318	2339	N24	W46	3706	04	26.4	24	SN			C	2318	99	1.6	JK
	LEAR	29	2321E	2327	2358	N25	W44	3706	04	26.6	37D	SN	C 2.0	3	C		48		F
0475	LEAR	30	0027	0030	0041	N19	W68	3703	04	24.8	14	SN		3	C		72		
0476	LEAR	30	0323	0325	0338	S20	E32	3714	05	2.6	15	SN		3	C		25		
0477	LEAR	30	0336	0339	0343	N24	W46	3706	04	26.6	7	SF		3	C		39		F
		30	0413		0414	No Flare Patrol													
		30	0417		0420	No Flare Patrol													
0478	LEAR	30	0429	0429	0437	S18	E32	3714	05	2.6	8	SN	C 1.0	3	C		19		
0479		30	0610	06141	0631	S20	E30	3714	05	2.5	21	SN	C 1.3				53	.5	
	LEAR	30	0610	0615	0631	S20	E30	3714	05	2.5	21	SN	C 1.3	3	C		66		
	MANI	30	0612E	0614	0628D	S20	E30	3714	05	2.5	16D	SF		1	V		40	.5	
0480	ISTA	30	0733		0740	S18	E27	3714	05	2.4	7	SF							D
0481	LEAR	30	0743	0743	0750	N24	W49	3706	04	26.5	7	SF		3	C		26		
0482		30	0746*	0757*	0834	S19	E28	3714	05	2.5	48	SB	C 3.6				160	2.3	EFK
	CATA	30	0745E	0805	0825	S19	E28	3714	05	2.4	40D	1		2	P	0805	281	3.4	
	ISTA	30	0746		0836	S18	E27	3714	05	2.4	50	1B				0758			F
	LEAR	30	0754	0757	0845	S20	E29	3714	05	2.5	51	SB	C 3.6	3	C		176		FEK
	LEAR	30	0754	0829	0845	S20	E29	3714	05	2.5	51	SN		3	C		36		K
	HTPR	30	0755	0757	0825	S18	E27	3714	05	2.4	30	SB			C	0757	150	1.6	E
	ATHN	30	0757	0759	0826	S17	E28	3714	05	2.4	29	SB		2	V	0759	159	1.9	
0483	HTPR	30	1030	1034	1039	S18	E26	3714	05	2.4	9	SN			C	1034	60	.7	E
0484	HTPR	30	1335	1349	1400	S18	E25	3714	05	2.5	25	SF			C	1349	30	.3	E
0485	RAMY	30	1425	1428	1452	S13	W63	3715	04	25.8	27	SF		3	C		20		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0486	RAMY	30	1426	1431	1437	S18	E24	3714	05	2.4	11	SF		3	C		41		
0487	RAMY	30	1535	1538	1549	N16	W76	3703	04	24.9	14	SN		3	C				
0488	RAMY	30	1549	1549	1603	S18	E23	3714	05	2.4	14	SF		3	C		25		
0489	PALE	30	1906	1907	1924	S18	E21	3714	05	2.4	18	SF	C 1.2	2	C		36		F
		30	2057		2108	No Flare Patrol													
0490	CULG	30	2247	2250	2304	S17	E18	3714	05	2.3	17	SN			C	2250	150	1.6	

"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.