

H - ALPHA SOLAR FLARES

AUGUST 1983

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 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0001	VORO	01	0000E	0000U	0006	S12	E35	4267A	08	3.6	6D	SN			C	0000	23	.3	DIJ
0002	LEAR	01	0033	0035	0050	S07	E18	4263	08	2.4	17	SF		2	C		40		
0003	LEAR	01	0116	0117	0136	S07	E28	4263	08	3.1	20	SF		3	C		80		
0004	LEAR	01	0128	0129	0134	S14	W64	4264	07	27.3	6	SF		3	C		13		
0005		01	0202*	02345	0244	S07	E18	4263	08	2.4	42	SN	C 1.3				92	.6	EIJ
	LEAR	01	0202	0234	0251	S06	E18	4263	08	2.4	49	SN	C 1.3	3	C		157		
	VORO	01	0231	0234U	0241	S06	E19	4263	08	2.5	10	SN	C 1.3		C	0234	81	.9	EIJ
	PALE	01	0231	0235	0240	S06	E18	4263	08	2.4	9	SN	C 1.3	3	C		88		
	PURP	01	0239E	0239	0239D	S09	E18	4263	08	2.5	9D	SB	C 1.3		V	0239	40	.4	E
0006		01	0246*	0259*	0418	S10	E33	4263	08	3.6	92	2N	M 8.5				522	6.3	BEFIJKSU
	CULG	01	0246	0324	0410D	S09	E33	4263	08	3.6	84D	2B			P	0324	700	8.4	SEFU
	VORO	01	0255		0311D	S08	E35	4263	08	3.7	16D	SF			C	0258	23	.3	EIJ
	PALE	01	0255	0259	0309	S08	E35	4263	08	3.7	14	SF		3	C		30		
	LEAR	01	0256	0329	0507	S08	E34	4263	08	3.7	131	2B	M 8.5	3	C		788		ZU
	TACH	01	0314	0345	0452	S10	E34	4263	08	3.7	98	2B			C	0345	972	12.3	IJ
	PURP	01	0314	0404	0511D	S10	E34	4263	08	3.7	117D	2B			C	0404	550	7.2	
	PALE	01	0317	0327	0423D	S11	E32	4263	08	3.5	66D	2B	M 8.5	3	C		641		K
	PALE	01	0317	0332	0423D	S11	E32	4263	08	3.5	66D	2B	M 8.5	3	C		768		UEK
	PEKG	01	0330E	0330	0405	S10	E33	4263	08	3.6	35D	2B	M 8.5		P	0330	484	6.2	U
	ABST	01	0441E	0441	0506D	S10	E34	4263	08	3.7	25D	1N			P	0441	262	3.4	FB
0007		01	02521	0323	0344	S14	E38	4267A	08	4.0	52	SF					92	1.2	EIJ
	VORO	01	0252		0311D	S14	E38	4267A	08	4.0	19D	SF			C	0256	90	1.2	EIJ
	LEAR	01	0253	0323	0344	S15	E39	4267A	08	4.1	51	SF		3	C		93		
0008	PURP	01	0416	0419	0428	S09	E17	4263	08	2.4	12	SB			C	0419	40	.4	E
0009	ABST	01	0441E	0441	0506D	S09	E24	4263	08	3.0	25D	SF			P	0441	131	1.5	BE
0010	PURP	01	0548E	0548	0550	S09	E17	4263	08	2.5	2D	SN			P	0548	40	.4	E
0011		01	0658	06582	0703	S06	E15	4263	08	2.4	5	SN					86	.9	D
	CATA	01	0650E	0700	0700D	S06	E16	4263	08	2.5	10D	S		2	P	0700	84	.9	
	KANZ	01	0658	0658	0703	S06	E15	4263	08	2.4	5	SF		2					
	ABST	01	0659E	0700	0707D	S07	E15	4263	08	2.4	8D	SN			P	0700	87	.9	D
0012		01	0854	08547	0912	S06	E14	4263	08	2.4	18	SF					66	.8	DH
	LEAR	01	0854	0854	0901D	S06	E13	4263	08	2.3	7D	SF		3	C		52		
	KANZ	01	0854	0854	0918	S06	E14	4263	08	2.4	24	SF		2					
	CATA	01	0855E	0855	0905	S06	E14	4263	08	2.4	10D	S		2	P	0855	56	.6	
	KHAR	01	0855E	0901	0921D	S06	E14	4263	08	2.4	26D	SN			P	0901	90	.9	DH
0013	KHAR	01	0910E	0911	0923D	S07	E25	4263	08	3.2	13D	SF			P	0911	140	1.6	E
0014	KHAR	01	0931E	0939	1001D	S24	E33	4267	08	3.9	30D	SF			P	0939	50	.7	D
0015		01	1024	10242	1034	S06	E14	4263	08	2.5	10	SF							D
	KHAR	01	1019E	1026	1032D	S06	E14	4263	08	2.5	13D	SF			P	1026			D
	KANZ	01	1024	1024	1034	S06	E13	4263	08	2.4	10	SF		2					
0016	KANZ	01	1133	1133	1138	S06	E13	4263	08	2.4	5	SF		2					
0017		01	12248	12293	1244	S06	E13	4263	08	2.5	20	SN	C 4.2				58	.6	EH
	ATHN	01	1224	1230	1249	S07	E15	4263	08	2.6	25	SB	C 4.2	2	V	1230	95	1.0	
	KAND	01	1229	1229	1239	S06	E12	4263	08	2.4	10	SF	C 4.2		C		21	.2	E
	KANZ	01	1232	1232	1241D	S05	E11	4263	08	2.3	9D	SB	C 4.2	2					H
0018		01	12392	12392	1243	S12	E24	4263	08	3.3	4	SN					42	.5	E
	KAND	01	1239	1239	1243	S11	E24	4263	08	3.3	4	SN			C		42	.5	E
	KANZ	01	1241	1241	1241D	S13	E24	4263	08	3.3	4D	SF		2					
0019		01	1604	1612*	1705	N14	W60	4269	07	28.2	61	SF					37		FK
	HOLL	01	1604	1612	1705	N14	W60	4269	07	28.2	61	SF		3	C		41		K
	HOLL	01	1604	1625	1705	N14	W60	4269	07	28.2	61	SF		3	C		33		FK

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																	(10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0020	HOLL	01	1741	1745U	1747	N06	E91	4272B	08	8.5	6	SF		3	C		9			
0021	HOLL	01	1748	1748	1756	S10	E21	4263	08	3.3	8	SN		3	C		52		F	
0022	PALE	01	1809	1809	1816	N13	W61	4269	07	28.2	7	SF		3	C		21			
0023		01	1937	1955	2022	S16	E25	4267A	08	3.7	45	SN	C 1.0				57		F	
	HOLL	01	1937	1955	2022	S16	E25	4267A	08	3.7	45	SN	C 1.0	3	C		75		F	
	PALE	01	1953E	1954U	2012D	S16	E25	4267A	08	3.7	19D	SN	C 1.0	3	C		39		F	
0024		01	1955	1957	2010	S06	E08	4263	08	2.4	15	SF					39			
	HOLL	01	1955	1957	2012	S05	E07	4263	08	2.3	17	SF					50			
	PALE	01	1956E	1957U	2008	S06	E08	4263	08	2.4	12D	SF		3	C		28			
		01	2039		2049															No Flare Patrol
		01	2126		2148															No Flare Patrol
		01	2153		2209															No Flare Patrol
		01	2305		2314															No Flare Patrol
0025	PALE	01	2339E	2343U	2359	S06	E06	4263	08	2.4	20D	SN	C 2.4	3	C		67		F	
		02	0006		0016															No Flare Patrol
0026	PALE	02	0037	0039	0047	N12	W64	4269	07	28.3	10	SF		3	C		34			
0027	LEAR	02	0652	0652	0714	N13	W67	4269	07	28.3	22	SF		3	C		20			
0028		02	0808	0740*	0827	S06	E01	4263	08	2.4	19	SN					102	1.1	ET	
	CATA	02	0735E	0740	0830	S06	E01	4263	08	2.4	55D	S		2	P	0740	140	1.5	T	
	KAND	02	0808	0814	0820	S05	E02	4263	08	2.5	12	SN					96	1.0	E	
	PURP	02	0813E	0814	0830	S07	E01	4263	08	2.4	17D	SN			P	0814	70	.7	E	
0029		02	08255	0830*	0843	S18	E17	4267	08	3.6	18	SF					79	1.0	D	
	KAND	02	0825	0831	0843	S17	E17	4267	08	3.6	18	SF					58	.7	D	
	TACH	02	0829E	0831	0838D	S18	E18	4267	08	3.7	9D	SB					159	1.9	D	
	CATA	02	0830	0830	0840	S18	E17	4267	08	3.6	10	S					84	1.0		
	LEAR	02	0830	0835	0847	S18	E17	4267	08	3.6	17	SF			3	C		46		
	KANZ	02	0831E	0831U	0843D	S18	E17	4267	08	3.6	12D	SF			2					
	PURP	02	0843E	0844	0844D	S18	E17	4267	08	3.6	1D	SF				P	0844	49	.6	
0030	TACH	02	0901E	0909	0915D	S08	E26	4271	08	4.3	14D	SB					141	1.7	D	
0031	KAND	02	0945	0952	1010	S05	E02	4263	08	2.5	25	SF					58	.6	E	
0032	TACH	02	1102E	1102	1112D	S05	E02	4268	08	2.6	10D	SB					168	1.8	E	
0033	KAND	02	1154	1158	1202	S12	E12	4263	08	3.4	8	SN							D	
0034	HTPR	02	1619	1622	1630	S11	E26	4271	08	4.6	11	SN					60	.7	E	
0035		02	1702	1704	1723	S06	W04	4263	08	2.4	21	SN	C 1.9				76		F	
	PALE	02	1702	1704	1718	S06	W03	4263	08	2.5	16	SF	C 1.9	3	C		38		F	
	HOLL	02	1702E	1704U	1728	S06	W04	4263	08	2.4	26D	SN	C 1.9	2	C		113		F	
0036	PALE	02	1832	1832	1841	S07	W04	4263	08	2.5	9	SF	C 1.1	3	C		37		F	
0037	PALE	02	1854	1900	1908	S06	W05	4263	08	2.4	14	SN	C 2.7	3	C		90		F	
		02	1917		1946															No Flare Patrol
		02	1954		2017															No Flare Patrol
		02	2027		2130															No Flare Patrol
0038		02	2149	21501	2152	S04	W02	4268	08	2.7	3	SN					26	.3		
	CULG	02	2149	2150	2152	S05	W02	4268	08	2.7	3	SF					30	.3		
	HOLL	02	2149	2151	2153	S04	W02	4268	08	2.7	4	SN		3	C	2150	22			
0039	CULG	02	2324	2326	2331	N09	W71	4269	07	28.7	7	SF					50			

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0040	02	2329	2347	2429	S06	W08	4263	08	2.4	60	1B	M	1.2			2347	330	4.2	E	
	CULG	02	2329	2347	2429	S06	W08	4263	08	2.4	60	1B	M	1.2	C		420	4.2		
	HOLL	02	2347E	2347U	2402D	S06	W08	4263	08	2.4	15D	1B	M	1.2	4 C		241		E	
0041	03	06487	0654*	0705	S06	W12	4263	08	2.4	17	SN	C	1.8			0655	119	1.3	EFU	
	MITK	03	0648	0655	0708D	S07	W12	4263	08	2.4	20D	SN	C	1.8	C		0655		E	
	CULG	03	0649	0654	0701	S07	W12	4263	08	2.4	12	SB	C	1.8	C		0654	110	1.1	F
	CATA	03	0650	0655	0700	S06	W12	4263	08	2.4	10	S	C	1.8	2 C		0655	140	1.5	
	BUCA	03	0650	0655	0710	S06	W11	4263	08	2.5	20	SF	C	1.8	C		0710	107	1.2	
	ISTA	03	0655		0709	S06	W12	4263	08	2.4	14	1N	C	1.8						U
BUCA	03	0655	0709		S06	W12	4263	08	2.4		1N	C	1.8					U		
0042	03	0704	0706	0706	S21	W50	4262	07	30.6	2	SN								D	
	ISTA	03	0704		0706	S21	W50	4262	07	30.6	2	SN							D	
	BUCA	03	0704	0706		S21	W50	4262	07	30.6		SN							D	
0043	LEAR	03	0748	0756	0808	S06	W11	4263	08	2.5	20	SN		3 C			101		F	
0044	03	0800	0800	0813	S22	W54	4262	07	30.3	13	SN						18		D	
	LEAR	03	0800	0800	0813	S22	W52	4262	07	30.4	13	SN		3 C			18		D	
	KHAR	03	0809E		0819D	S22	W55	4262	07	30.2	10D	SF		P	0809			D		
0045	KAND	03	0902	0904	0910	S14	W10	4263	08	2.6	8	SN		C			29	.3	D	
0046	PURP	03	0907E	0911	0914	S07	W09	4263	08	2.7	7D	SN		P	0911		13	.1	E	
0047	03	10053	10091	1015	S07	W11	4263	08	2.6	10	SN						54	.6	DH	
	KHAR	03	0952E		1000D	S05	W11	4263	08	2.6	8D	SF		V	0952				DH	
	HTPR	03	1005	1010	1015	S06	W12	4263	08	2.5	10	SF		C	1010		40	.4		
	CATA	03	1005	1010	1015	S06	W11	4263	08	2.6	10	S		2 C	1010		84	.9		
	KHAR	03	1008	1009	1015D	S05	W11	4263	08	2.6	7D	SN		P	1011				DH	
	KAND	03	1008	1010	1016	S14	W10	4263	08	2.7	8	SN		C			37	.4	D	
0048	03	10231	10281	1040	S08	E06	4268	08	3.9	17	SN						80	.8	DE	
	HTPR	03	1023	1029	1047	S08	E05	4268	08	3.8	24	SF		C	1029		80	.8	E	
	KAND	03	1024	1028	1032	S08	E06	4268	08	3.9	8	SN		C					D	
0049	03	10363	10401	1048	S05	W11	4263	08	2.6	12	SN						40	.4	D	
	HTPR	03	1036	1040	1050	S06	W12	4263	08	2.5	14	SF		C	1040		40	.4		
	KHAR	03	1039E		1048D	S05	W11	4263	08	2.6	9D	SF		V	1039				D	
	KAND	03	1039	1041	1045	S05	W10	4263	08	2.7	6	SB		C						
0050	03	1055*	11019	1112	S05	W11	4263	08	2.6	17	SF						48	.5	D	
	CATA	03	1055	1105	1115	S05	W12	4263	08	2.5	20	S		2 C	1105		56	.6		
	KAND	03	1057	1101	1103	S05	W10	4263	08	2.7	6	SF		C					D	
	HTPR	03	1100	1110	1115	S06	W12	4263	08	2.6	15	SF		C	1110		40	.4		
	KAND	03	1107	1109	1113	S05	W10	4263	08	2.7	6	SN		C					D	
0051	HTPR	03	1138	1140	1143	S23	W55	4262	07	30.3	5	SF		C	1140		40	.7	E	
0052	HTPR	03	1205	1213	1218	S08	W08	4263	08	2.9	13	SF		C	1213		120	1.2	E	
0053	HTPR	03	1420	1422	1433	S06	W14	4263	08	2.5	13	SB	C	3.1	C	1422		60	.6	
0054	HTPR	03	1445		1630D	S16	W02	4273B	08	3.5	105D	2B		C	1505		800	8.0	EIT	
0055	RAMY	03	1500E	1503	1712	S11	W05	4263	08	3.2	132D	1B		3 C			471		FZ	
0056	RAMY	03	1500E	1503	1618	S23	E03	4267	08	3.8	78D	2B		3 C			572		EF	
0057	HTPR	03	1514	1515	1519	S05	W13	4268	08	2.7	5	SN		C	1515		30	.3		
		03	1756		1902	No Flare Patrol														
		03	1936		2104	No Flare Patrol														
0058	HOLL	03	2112	2225	2246	S21	W60	4262	07	30.4	94	SF		3 C			22			
0059	HOLL	03	2127	2131	2151	S06	W20	4263	08	2.4	24	SB	C	4.0	3 C		198		E	

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0060	03	22043	2208	2212	S06	W14	4263	08	2.9	8	SN	C	1.0				47	.6	EFJ	
	VORO	03	2204	2208U	2212	S07	W13	4263	08	2.9	8	SN	C	1.0	C	2208	72	.8	EJ	
	CULG	03	2207E	2208	2211	S07	W15	4263	08	2.8	4D	SF	C	1.0	P	2208	40	.4	F	
	HOLL	03	2207	2208	2212	S05	W14	4263	08	2.9	5	SN	C	1.0	3	C	29			
0061	LEAR	04	0224	0231	0242	S12	W07	4267B	08	3.6	18	SN	C	1.1	3	C	33		F	
0062	LEAR	04	0240	0242	0248	S22	W61	4262	07	30.5	8	SF			3	C	37			
0063	04	03257	03376	0408	S07	W24	4263	08	2.3	43	1B	M	3.5				324	5.0	EHK	
	TACH	04	0325	0343	0414	S07	W24	4263	08	2.3	49	2B	M	3.5	C	0343	451	5.3	E	
	LEAR	04	0332	0337	0408	S07	W24	4263	08	2.3	36	SN	M	3.5	3	C	44		K	
	LEAR	04	0332	0342	0408	S07	W24	4263	08	2.3	36	1B	M	3.5	3	C	381		HK	
	CULG	04	0342E	0342	0402	S08	W24	4263	08	2.3	20D	1B	M	3.5	P	0342	420	4.6		
0064	04	05231	05262	0536	S24	W65	4262	07	30.3	13	1N	C	1.8				120	3.0	DFJ	
	CULG	04	0523	0528	0534	S25	W64	4262	07	30.4	11	1N	C	1.8	C	0528	110	3.0	J	
	LEAR	04	0524	0526	0537	S23	W64	4262	07	30.4	13	SN	C	1.8	3	C	56		F	
	TACH	04	0528E		0551D	S23	W68	4262	07	30.1	23D	1B	C	1.8	C	0529	194		D	
0065	04	0600	0607	0607	S21	W63	4262	07	30.5	7	SN								D	
	ISTA	04	0600	0607	S21	W63	4262	07	30.5	7	SN								D	
	BUCA	04	0600	0607	S21	W63	4262	07	30.5		SN								D	
0066	04	06328	06355	0647	S06	W25	4263	08	2.4	15	SN						68	.8	DE	
	HTPR	04	0632	0640	0700	S07	W24	4263	08	2.5	28	SN			C	0640	80	.9	E	
	CATA	04	0635	0635	0640	S06	W26	4263	08	2.3	5	S			2	C	0635	56	.7	
	KAND	04	0640	0640	0642	S06	W24	4263	08	2.5	2	SF			C				D	
0067	KHAR	04	0805E	0807	0817D	S07	W10	4268	08	3.6	12D	SF			V	0805			H	
0068	04	0840*	0849*	1035	S07	W17	4263	08	3.1	115	1N						239	2.9	EIK	
	HTPR	04	0840		1005D	S08	W27	4263	08	2.3	85D	1B			C	0920	420	5.0	EI	
	KAND	04	0842	0915	1006	S06	W13	4263	08	3.4	84	SN			C		52	.6	E	
	KHAR	04	0844	0851	1012D	S06	W16	4263	08	3.2	88D	1N			P	0926	250	2.7	E	
	MONT	04	0844	0907	0947D	S09	W16	4263	08	3.2	63D	1N			C	0907	250			
	KANZ	04	0845	0849	0933	S06	W15	4263	08	3.2	48	SN			1					
	CATA	04	0845	0915	0945D	S07	W14	4263	08	3.3	60D	1			1	C	0915	253	2.8	
	PURP	04	0850E	0904	0904D	S08	W17	4263	08	3.1	14D	SN			C	0904	69	.8		
	CATA	04	0850	0915	0945D	S06	W21	4263	08	2.8	55D	1			1	C	0915	225	2.5	
	KAND	04	0856	0929	1031	S06	W19	4263	08	2.9	95	SN			C		129	1.4		
	KANZ	04	0857	0907	0949D	S06	W18	4263	08	3.0	52D	SF			1					
	KANZ	04	0857	0907	0949D	S07	W13	4263	08	3.4	52D	SB			1					
	TACH	04	0907E		1020D	S05	W19	4263	08	2.9	73D	2N			C	0909	672	7.6	E	
	CATA	04	0935	0940	0945D	S12	W19	4263	08	3.0	10D	S			1	P	0940	84	1.0	
	KAND	04	0942	0950	0954	S13	W16	4263	08	3.2	12	SN			C					
HTPR	04	1008E		1200	S07	W15	4263	08	3.3	112D	1N			C	1010	450	4.5	EIK		
RAMY	04	1056	1120	1125	S07	W19	4263	08	3.0	29	SF			3	C		21			
0069	04	1145*	12071	1235	S22	W68	4262	07	30.4	50	SF						21	.7		
	HTPR	04	1145	1208	1256	S22	W67	4262	07	30.4	71	SF			C	1208	30	.7		
	RAMY	04	1207	1207	1214	S22	W69	4262	07	30.3	7	SF			3	C	12			
0070	HTPR	04	1323	1423	1500	S22	W68	4262	07	30.4	97	SF			C	1423	20	.4		
0071	HOLL	04	1345	1345	1355	N05	E42	4272	08	7.7	10	SF			3	C	25			
0072	HTPR	04	1533	1534	1546	S11	W19	4263	08	3.2	13	SF			C	1534	30	.3	E	
0073	04	15401	1543	1558	S12	W14	4267B	08	3.6	18	SF						25	.2	E	
	HTPR	04	1540	1543	1555	S12	W16	4267B	08	3.4	15	SF			C	1543	20	.2		
	HTPR	04	1541	1543	1601	S13	W12	4267B	08	3.7	20	SF			C	1543	30	.3	E	
0074	HTPR	04	1549	1551	1554	S18	E28	4274	08	6.8	5	SF			C	1551	10	.1		
0075	HTPR	04	1557	1610	1620	S22	W68	4262	07	30.5	23	SF			C	1610	20	.4		
0076	04	1610*	1620*	1644	S08	W28	4263	08	2.6	34	SF						26	.2	E	
	HTPR	04	1610	1620	1640	S07	W30	4263	08	2.4	30	SF			C	1620	20	.2		
	HTPR	04	1631		1701D	S07	W28	4263	08	2.6	30D	SF			C	1638	30	.3	E	
	RAMY	04	1638	1640	1648	S09	W27	4263	08	2.7	10	SF			3	C	29			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF/ Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0077	RAMY	04	1856	1858	1903	S24	W72	4262	07	30.3	7	SF	3	C		26			
0078		04	1924.3	1946	2043	S08	W15	4263	08	3.7	79	SF				108		F	
	RAMY	04	1924	1946	2043	S09	W15	4263	08	3.7	79	SF	3	C		147			
	PALE	04	1927	1949U	1950D	S08	W15	4263	08	3.7	23D	SF	3	C		69		F	
0079	RAMY	04	1954	1955	2006	S24	W73	4262	07	30.3	12	SN C	2.0	3	C		29		
0080	RAMY	04	2146	2201	2207D	S12	W22	4263	08	3.2	21D	SF		3	C		54		
0081		04	2247.5	2249	2256	S10	W32	4263	08	2.5	9	SN C	1.9			48	.6	EJ	
	CULG	04	2247	2249	2253	S10	W32	4263	08	2.5	6	SF C	1.9	C	2249	50	.6		
	VORO	04	2252	2254U	2258	S09	W31	4263	08	2.6	6	SN C	1.9	C	2254	45	.6	EJ	
0082		05	0336.1	0338.1	0352	S09	W33	4263	08	2.7	16	SN C	1.7			92	1.4	EF	
	MITK	05	0336	0338	0357	S10	W33	4263	08	2.7	21	SN C	1.7	C	0338			E	
	LEAR	05	0337	0338	0352	S09	W33	4263	08	2.7	15	SB C	1.7	3	C		78		FE
	TACH	05	0337	0339	0347	S08	W34	4263	08	2.6	10	SN C	1.7	C	0339	106	1.4	E	
0083	HTPR	05	0832	0833	0839	S08	W23	4263	08	3.6	7	SF		C	0833	60	.7	E	
0084		05	1130	1135.1	1145	S08	W38	4263	08	2.6	15	SN				48	.6	E	
	CATA	05	1130	1135	1140	S07	W38	4263	08	2.6	10	S		1	C	1135	56	.8	
	HTPR	05	1130	1136	1150	S08	W38	4263	08	2.6	20	SN		C	1136	40	.5	E	
0085	RAMY	05	1203	1207	1220	S11	W24	4263	08	3.7	17	SF		3	C		61		
0086		05	1243.2	1250.5	1356	S09	W24	4263	08	3.7	73	1B M	1.0			343	4.2	EFIU	
	ATHN	05	1243	1252	1339	S09	W21	4263	08	3.9	56	1B M	1.0	3	V	1252	414	4.7	
	RAMY	05	1244	1250	1258D	S10	W23	4263	08	3.8	14D	2B M	1.0	3	C		509		FE
	HTPR	05	1245	1255	1415	S10	W26	4263	08	3.6	90	1B M	1.0	C	1255	350	3.8	EI	
	HOLL	05	1317E	1317U	1355	S07	W25	4263	08	3.7	38D	SB		1	C		100		U
0087		05	1247.3	1254	1336	S11	W18	4271	08	4.2	49	SB M	1.0			50	.4		
	HTPR	05	1247	1254	1317	S11	W19	4271	08	4.1	30	SN M	1.0	C	1254	40	.4		
	RAMY	05	1250	1254	1355	S11	W18	4271	08	4.2	65	SB M	1.0	3	C		60		
0088	HTPR	05	1253	1257	1310	S06	W34	4263	08	3.0	17	SN		C	1257	20	.2		
0090	HTPR	05	1324	1330	1341	S08	W36	4263	08	2.8	17	SF		C	1330	10	.1		
0091	HTPR	05	1619	1625	1630	S09	W31	4263	08	3.3	11	SF		C	1625	10	.1		
0092		06	0120.3	0125.5	0153	S11	W38	4263	08	3.2	33	SN C	1.3			83	1.1	EF	
	MITK	06	0120	0130	0153D	S11	W40	4263	08	3.0	33D	SN C	1.3	C	0130			E	
	LEAR	06	0121	0125	0153	S10	W37	4263	08	3.3	32	SB C	1.3	3	C		94		F
	CULG	06	0123	0125	0138U	S13	W40	4263	08	3.0	15U	SN C	1.3	P	0125	80	1.1	F	
	HOLL	06	0127E	0127U	0139D	S09	W37	4263	08	3.3	12D	SN		1	C		75		F
0093	LEAR	06	0246	0251	0255	S22	W30	4267	08	3.8	9	SF		3	C		19		
0094	LEAR	06	0302	0314	0320	S22	W31	4267	08	3.7	18	SF		3	C		35		
0095	LEAR	06	0631	0636	0651	N05	E76	4277	08	11.9	20	SF C	1.0	3	C		15		
0096	HTPR	06	0636	0638	0640	S07	W52	4263	08	2.4	4	SF		C	0638	10	.2		
0097		06	0642.1	0644.4	0704	S14	W38	4263	08	3.4	22	SF				10	.1		
	HTPR	06	0642	0648	0702	S15	W38	4263	08	3.4	20	SF		C	0648	10	.1		
	HTPR	06	0643	0644	0707	S12	W37	4263	08	3.5	24	SF		C	0644	10	.1		
0098	KHAR	06	0747E		0750D	S08	W52	4263	08	2.4	3D	SN		V	0748			DH	
0099	HTPR	06	0752	0800	0805	N04	E80	4277	08	12.3	13	SF		C	0800	20			
0100	KHAR	06	0819E	0819	0822D	S19	W38	4267	08	3.4	3D	SF		P	0819	25	.4	D	
0101		06	0839	0842.1	0848	S08	W50	4263	08	2.6	9	SN C	1.3			50	.9	E	
	HTPR	06	0839	0842	0848	S09	W50	4263	08	2.6	9	SN C	1.3	C	0842	60	.9	E	
	LEAR	06	0839	0843	0849	S08	W49	4263	08	2.7	10	SF C	1.3	3	C		40		

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																Time (UT)	Apparent (10 <sup>-6</sup> Disk)		Corr (Sq Deg)	
0102	MONT	06	09064	0908*	0923	S14	W38	4263	08	3.5	17	SN	C 1.9			0908	53	.6	DK	
	LEAR	06	0908	0909	0933D	S14	W37	4263	08	3.6	25D	SB	C 1.9	3	C		50		D	
	HTPR	06	0908	0910	0921	S15	W39	4263	08	3.4	13	SB	C 1.9		C	0910	67		K	
	LEAR	06	0908	0932	0933D	S14	W37	4263	08	3.6	25D	SN		3	C		40	.5		
	CATA	06	0910	0915	0935	S13	W38	4263	08	3.5	25	S	C 1.9	1	C	0915	52		K	
																	56	.8		
0103	KHAR	06	0925	09359	1014	S13	W34	4271	08	3.8	49	1B					233	3.0	EHK	
	CATA	06	0925	0935	1000D	S12	W34	4271	08	3.8	35D	1		2	P	0938	330	4.5	EHK	
	HTPR	06	0925	0944	1014	S14	W34	4271	08	3.8	49	1B			C	0935	169	2.2		
																	0944	200	2.2	EH
0104	RAMY	06	1149E	1155	1200	S09	W38	4263	08	3.6	11D	SF			C		148			
0105	RAMY	06	1210	1214	1225	S12	W39	4263	08	3.6	15	SF			C		59			
0106	RAMY	06	1409	1453	1453D	S10	W38	4263	08	3.7	44D	SF	C 1.2	3	C		280			
0107	HOLL	06	1432	1433	1446	N04	E72	4277	08	12.0	14	SF			C		7			
0108	HOLL	06	1457	1514	1529	S11	W45	4263	08	3.2	32	SF			C		38			
0109	HTPR	06	1511	1512	1516	S09	W38	4263	08	3.8	5	SF			C	1512	10	.1		
0110	HTPR	06	1512	1515	1522	S08	W57	4263	08	2.3	10	SF			C	1515	10	.2		
0111	HTPR	06	1529	1538	1547	S07	W50	4263	08	2.9	18	SF			C	1538	30	.5		
0112	HTPR	06	1620	1625	1635	S08	W58	4263	08	2.3	15	SF			C	1625	10	.2		
0113	HTPR	06	1621	1630	1643	S21	W40	4267	08	3.6	22	SF			C	1630	10	.1		
0114	HTPR	06	1644	1646	1723	S15	W39	4271	08	3.7	39	SF			C	1649	24	.3		
	HOLL	06	1652	1652	1704	S12	W38	4271	08	3.8	12	SF			C		20	.3		
		06	1846		1907	No Flare Patrol														
0115	HOLL	06	1910E	1910U	1921D	S08	W51	4263	08	3.0	11D	SN			C		20		F	
0116	LEAR	07	0351*	0356*	0412	S08	W62	4263	08	2.5	21	SN	C 4.8				62	.8	EHLR	
	CULG	07	0358E	0358U	0402	S10	W62	4263	08	2.5	4D	SF	C 4.8		P	0358	125	.6	H	
	PEKG	07	0358	0401	0420	S06	W62	4263	08	2.5	22	SF	C 4.8		P	0401	30	.6	EHLR	
	LEAR	07	0410	0416	0423	S07	W61	4263	08	2.6	13	SN	C 1.5	3	C		42	.9	H	
																		52		
0117	LEAR	07	0424	0426	0432	S10	W53	4263	08	3.2	8	SN	C 1.6	3	C		43		F	
0118	ABST	07	0437	0438	0440	N05	E65	4277	08	12.0	3	1F			C	0438	87		DGK	
0119	ABST	07	0634	0636	0640	S08	W60	4263	08	2.8	9	1N					91	1.8	DEK	
	ABST	07	0634	0637	0645	S11	W54	4263	08	2.5	6	1N			C	0636	87		DK	
	CATA	07	0640	0640	0645	S06	W63	4263	08	3.2	11	1F			C	0637	131	2.4	EK	
																	0640	56	1.3	
0120	ATHN	07	0650	0655*	0704	S08	E90	4278	08	14.0	14	1N					76			
	CATA	07	0650	0705	0710	S12	E90	4278	08	14.1	20	1			C	0705	56			
																	0655	95		
0121	ATHN	07	0750E	0753	0758	S05	E90	4278	08	14.0	8D	1N					95		BH	
	KHAR	07	0750E	0753	0758	S05	E90	4278	08	14.0	8D	1N			V	0753	95			
					0810D	S05	E90	4278	08	14.1	10D	1N			V	0800			BH	
0122	ATHN	07	0917E	0919	0925	S05	E90	4278	08	14.1	8D	1N	C 4.3	4	V	0919	95			

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks	
																	(10 <sup>-6</sup> Disk)	Apparent (Sq Deg)		Corr (Sq Deg)
0123	KHAR	07	0925E		0945D	S07	W65	4263	08	2.5	20D	SF				P	0928	80		DH
		07	1136		1144															No Flare Patrol
0124	RAMY	07	1304	1306	1336	S09	E81	4278	08	13.6	32	SN	C	5.7	3	C		32		
0125	RAMY	07	1323	1325	1342	S09	W45	4271	08	4.2	19	SF			3	C		51		
0126		07	1352	1353	1410	S10	W58	4263	08	3.2	18	SN						30		
	RAMY	07	1352	1353	1402	S11	W59	4263	08	3.1	10	SF			3	C		29		
	HOLL	07	1354E	1354U	1417	S10	W58	4263	08	3.2	23D	SN			2	C		31		
0127	RAMY	07	1442	1449	1503	S08	W68	4263	08	2.5	21	SF	C	1.8	3	C		54		
0128		07	2153	2201U	2229	S08	W58	4263	08	3.6	36	1N	M	1.8				182		FU
	PALE	07	2153	2201U	2229	S09	W58	4263	08	3.5	36	1N	M	1.8	3	C		161		UF
	HOLL	07	2203E	2203U	2213D	S07	W58	4263	08	3.6	10D	1N	M	1.8	3	C		203		UF
0129	PALE	07	2208	2208	2234	S08	E76	4278	08	13.6	26	SF			3	C		14		
0130	LEAR	08	0103	0107	0138	S19	W59	4267	08	3.5	35	SF			3	C		68		F
0131		08	0310	0303*	0338	S07	E76	4278	08	13.8	28	1N	M	3.0				131		EF
	PURP	08	0112E	0320U	0328D	S06	E80	4278	08	14.0	136D	1F				C	0320	55		
	CULG	08	0255E	0301U	0309D	S06	E80	4278	08	14.1	14D	1F				P	0301	60		F
	YUNN	08	0256E	0303	0328	S07	E75	4278	08	13.7	32D	1B	M	3.0		P		154		E
	LEAR	08	0309E	0309U	0352	S07	E71	4278	08	13.4	43D	1B	M	3.0	2	C		228		F
	TACH	08	0310	0313	0333	S08	E75	4278	08	13.7	23	1B	M	3.0		C	0313	159		
0132	YUNN	08	0230	0231	0236	S07	W71	4263	08	2.8	6	SF				C		46		
0133		08	0414	04189	0506	S11	E75	4279	08	13.8	52	2B						220		FJ
	ABST	08	0414	0418	0506	S10	E75	4279	08	13.8	52	2N				C	0418	262		FJ
	TACH	08	0424E	0427	0521D	S12	E75	4279	08	13.8	57D	1B				C	0427	178		
0134	ABST	08	0414	0415	0425	S10	W65	4263	08	3.3	11	1N				C	0415	131		EV
0135		08	07182	07206	0747	S08	E76	4278	08	14.0	29	SN						15		E
	YUNN	08	0718	0726	0747	S07	E74	4278	08	13.8	29	SN				C		15		E
	KANZ	08	0720	0720	0832D	S08	E77	4278	08	14.1	72D	SN			1					
0136	LEAR	08	0720	0720	0724	S12	W61	4263B	08	3.7	4	SF	C	4.2	3	C		18		
0137	KHAR	08	0823E	0825	0845D	S08	W78	4263	08	2.5	22D	SF				V	0824			D
0138	YUNN	08	0911E	0913	0931D	N05	E46	4277	08	11.8	20D	SN				P		46	.7	EG
0139	KHAR	08	1002E	1002	1009D	S17	W73	4267	08	2.9	7D	SF				P				
0140		08	11201	11201	1130	S08	W81	4263	08	2.4	10	SN	C	1.9				40		
	CATA	08	1120	1120	1135D	S05	W85	4263	08	2.1	15D	1			2	C	1120	56		
	RAMY	08	1120	1121	1131	S08	W80	4263	08	2.5	11	SF	C	1.9	3	C		24		
	KANZ	08	1121	1121	1130	S10	W79	4263	08	2.5	.9	SN	C	1.9	2					
0141	RAMY	08	1307	1311	1330	S13	W65	4263B	08	3.6	23	SF	C	1.9	3	C		14		
0142	HOLL	08	2256	2300	2312D	S08	E69	4278	08	14.1	16D	SF			3	C		11		
0143		08	2349	2404*	2512	S05	E64	4278	08	13.8	83	SN	C	2.8				110		K
	LEAR	08	2349	2404	2512	S07	E65	4278	08	13.9	83	SN			3	C		86		K
	LEAR	08	2349	2442	2512	S07	E65	4278	08	13.9	83	1N	C	2.8	3	C		145		K
	HOLL	09	0030E	0042	0050D	S02	E63	4278	08	13.7	20D	SN	C	2.8	3	C		100		
0144	LEAR	09	0149	0151	0157	S09	W71	4263	08	3.7	8	SF			3	C		29		
0145	LEAR	09	0345	0348	0352	S11	E63	4279	08	13.9	7	SN			3	C		42		F
0146	LEAR	09	0431	0432	0438	S10	E62	4279	08	13.8	7	SN	C	1.8	3	C		74		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Imp See	Obs Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0147	ABST	09	0702E	0703	0713	S10	E65	4278A	08	14.2	11D	2F			P	0703	262		BE	
0148		09	0800	0804	0808	S09	W79	4263	08	3.4	8	SF					30			
	KANZ	09	0800	0804	0808	S08	W78	4263	08	3.5	8	SF		2						
	HTPR	09	0807E		0810D	S10	W80	4263	08	3.3	3D	SF			C	0807	30			
0149		09	08242	08311	0903	S07	E60	4278	08	13.8	39	SN	C 2.1				45		E	
	KANZ	09	0824	0832	0852	S07	E62	4278	08	14.0	28	SN	C 2.1	2					E	
	LEAR	09	0826	0831	0914	S07	E59	4278	08	13.8	48	SN	C 2.1	3	C		45			
0150	HTPR	09	0847E		0857D	S10	W60	4263B	08	4.8	10D	SN			C	0854	40	.8	E	
0151	CATA	09	0910E	0910	0910D	S12	E62	4279	08	14.0	10D	S		2	P	0910	56	1.3		
0152	HTPR	09	1103E		1107D	S10	W82	4263	08	3.3	4D	SN			C	1103	20			
0153	HOLL	09	1609	1609	1616	S09	E54	4279	08	13.7	7	SF		3	C		23			
0154		09	1627	16302	1640	S09	W84	4263	08	3.4	13	SF					68			
	HOLL	09	1627	1630	1641	S08	W83	4263	08	3.5	14	SN		4	C		56			
	RAMY	09	1627	1632	1638	S10	W89	4263	08	3.0	11	SF		3	C		79			
	KANZ	09	1642E	1642U	1642D	S08	W80	4263	08	3.7	11D	SF		1						
		09	2026		2033	No Flare Patrol														
		09	2038		2050	No Flare Patrol														
0155	PALE	09	2051	2053	2057	S08	E52	4278	08	13.8	6	SF	C 1.2	3	C		18		F	
		09	2123		2133	No Flare Patrol														
0156	LEAR	10	0045	0047	0100	S09	E54	4279	08	14.1	15	SN		3	C		24			
0157	LEAR	10	0305		0330	S12	W87	4263B	08	3.6	25	SN	C 2.5	3	C					
0158		10	08123	08146	0826	S05	E44	4278	08	13.6	14	SF					25	.1	F	
	LEAR	10	0812	0814	0822	S06	E44	4278	08	13.6	10	SF		3	C		40		F	
	KANZ	10	0815	0820	0830	S05	E44	4278	08	13.6	15	SF		1						
	HTPR	10	0820E		0834D	S05	E44	4278	08	13.6	14D	SF			C	0820	10	.1		
0159	KANZ	10	0941	0941	0951	S03	W82	4263	08	4.3	10	SB		2						
0160		10	11232	1130*	1211	S08	E44	4278	08	13.8	48	SN	C 1.4				92	.8		
	RAMY	10	1123	1223	1242	S08	E47	4278	08	14.0	79	SN		3	C		129			
	CATA	10	1125	1130	1140	S07	E42	4278	08	13.6	15	S	C 1.4	2	C	1130	56	.8		
0161	RAMY	10	1126	1127	1145	S09	E46	4279	08	13.9	19	SF	C 1.4	3	C		49			
0162	RAMY	10	1157	1159	1223	N01	E45	4280	08	13.8	26	SF	C 3.3	3	C		42			
0163	RAMY	10	1545	1552	1600	S06	E52	4278A	08	14.5	15	SF		3	C		50			
0164	RAMY	10	1610	1612	1616	S01	E42	4280	08	13.8	6	SN		3	C		44			
0165	HOLL	10	1949	1949	1959	S05	E37	4278	08	13.6	10	SF		3	C		25			
0166	HOLL	10	2013	2015	2022	S05	E37	4278	08	13.6	9	SF		3	C		32			
0167		10	21566	21578	2216	S04	E74	4281	08	16.4	20	SF					16			
	HOLL	10	2156	2157	2201	S04	E74	4281	08	16.4	5	SF		3	C		15			
	HOLL	10	2202	2205	2231	S05	E74	4281	08	16.4	29	SF		3	C		17			
0168		10	2239*	2239	2248	S08	E40	4278	08	13.9	9	SN	C 1.6				34		F	
	HOLL	10	2239	2239	2248	S08	E41	4278	08	14.0	9	SF		3	C		48		F	
	HOLL	10	2253	2254U	2255D	S07	E39	4278	08	13.9	2D	SN	C 1.6	3	C		21		F	
0169	CULG	10	2353	2353	2407	S02	E77	4281	08	16.7	14	SN			C	2353	50		F	
0170	LEAR	11	0131	0135	0153	S08	E45	4278A	08	14.4	22	SN		3	C		46		F	



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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Apparent (10 <sup>-6</sup> Disk)	Measurement Corr (Sq Deg)	Remarks
0171	PALE	11	0308	0308	0327	S04	E33	4278	08	13.6	19	SF	C 1.1	3	C		29		
0172	LEAR	11	0308	0309	0329	S09	E36	4279	08	13.8	21	SN	C 1.1	3	C		73		
0173	LEAR	11	0444	0444	0458	S10	E32	4279	08	13.6	14	SF		3	C		23		
0174	ABST	11	0532E	0534	0537D	S19	E80	4283	08	17.3	5D	1F			P	0534	87		D
0175		11	07204	07241	0732	S06	E70	4281	08	16.5	12	SF	C 1.0				35		
	CATA	11	0720	0725	0725D	S07	E70	4281	08	16.5	5D	S C	1.0	2	P	0725	56		
	LEAR	11	0724	0724	0732	S06	E69	4281	08	16.5	8	SF	C 1.0	3	C		14		
0176		11	11153	11157	1134	S06	E69	4281	08	16.6	19	1N					112		E
	CATA	11	1115	1115	1135	S07	E68	4281	08	16.6	20	.1		2	C	1115	112		
	KAND	11	1118	1122	1134	S04	E70	4281	08	16.7	16	SN			C				E
0177	HTPR	11	1220	1242	1245	S07	E23	4278	08	13.2	25	SF			C	1242	20	.2	E
0178	HTPR	11	1237	1239	1248	S03	E33	4280	08	14.0	11	SF			C	1239	30	.4	E
0179	HTPR	11	1307	1308	1311	S21	E76	4283	08	17.4	4	SF			C	1308	10		
0180	RAMY	11	1619	1621	1733D	S06	E66	4281	08	16.6	74D	SF	C 1.3	3	C		40		
		11	1644		1734	No Flare Patrol													
0181	RAMY	11	1911	1915	1915D	S09	E27	4279	08	13.8	4D	SB		3	C		67		
0182		11	1911	1915	1929	S10	E18	4279	08	13.1	18	SB	C 1.8				73		F
	HOLL	11	1911	1915	1923	S10	E18	4279	08	13.1	12	SB	C 1.8	3	C		68		F
	RAMY	11	1911	1915	1935	S11	E18	4279	08	13.1	24	SB	C 1.8	3	C		78		
0183		11	20151	2016	2026	S20	E68	4283	08	17.0	11	SF					66		
	RAMY	11	2015	2016	2026	S19	E69	4283	08	17.1	11	SF		3	C		59		
	HOLL	11	2016	2016	2027D	S20	E67	4283	08	17.0	11D	SF		2	C		74		
0184	VORO	11	2241	2244U	2250	S11	E15	4279	08	13.1	9	SN			C	2244	27	.3	DJ
0185	CULG	11	2307	2317	2333	S03	E63	4281	08	16.7	26	SF			C	2317	60	1.2	
0186		12	00204	00251	0043	S11	E16	4279	08	13.2	23	1B	C 5.0				254	3.0	EJ
	MITK	12	0020	0026	0044	S10	E14	4279	08	13.1	24	1B	C 5.0		C	0026	340	3.8	
	VORO	12	0021	0025U	0033	S12	E15	4279	08	13.1	12	1N	C 5.0		C	0025	197	2.2	EJ
	CULG	12	0021	0025	0036	S10	E15	4279	08	13.1	15	1B	C 5.0		C	0025	280	3.0	
	LEAR	12	0024	0026	0059	S13	E20	4279	08	13.5	35	1B	C 5.0	3	C		199		
0187	CULG	12	0251	0253U	0258D	S08	E13	4279	08	13.1	7D	SB			P	0253	40	.4	
0188	TACH	12	0325	0343	0414	S11	E13	4279	08	13.1	49	1N			C	0343	221	2.4	D
0189		12	0415	04195	0440	S11	E12	4279	08	13.1	25	SN	C 1.8				54		HK
	LEAR	12	0415	0419	0440	S11	E12	4279	08	13.1	25	SN	C 1.8	3	C		58		HK
	LEAR	12	0415	0424	0440	S11	E12	4279	08	13.1	25	SN		3	C		49		K
0190	LEAR	12	0446	0446	0454	S10	E15	4279	08	13.3	8	SN		3	C		36		F
0191	LEAR	12	0452	0531	0552	S02	E20	4280	08	13.7	60	SF		3	C		23		
0192		12	0548	0550*	0619	S10	E16	4279	08	13.4	31	SB	C 6.1				103	1.0	DFK
	LEAR	12	0548	0550	0623	S10	E14	4279	08	13.3	35	SB	C 6.1	3	C		137		FK
	LEAR	12	0548	0558	0623	S10	E14	4279	08	13.3	35	SB	C 6.1	3	C		137		K
	CULG	12	0559E	0559U	0608D	S09	E19	4279	08	13.7	9D	SB	C 6.1		P	0559	100	1.1	
	ATHN	12	0600E	0600	0610	S10	E14	4279	08	13.3	10D	SB	C 6.1	4	V	0600	127	1.4	
	TACH	12	0602E		0615D	S11	E19	4279	08	13.7	13D	SB	C 6.1		C	0602	88	1.1	D
	HTPR	12	0610E		0614D	S10	E17	4279	08	13.5	4D	SF	C 6.1		C	0610	30	.3	D
0193	KAND	12	0555E	0555	0615	S10	E05	4279	08	12.6	20D	SN			C		112	1.2	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Dur Day (Min)	Imp Opt Xray	Obs See	Time (UT)	Area Measurement		Remarks	
														Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0194		12	06252	06282	0647	S10	E13	4279	08	13.2	22	SN C 2.0		73	.9	EF	
	MITK	12	0625	0629	0654	S10	E12	4279	08	13.2	29	SN C 2.0	C	0629		E	
	CATA	12	0625E	0630	0635D	S10	E13	4279	08	13.2	10D	1 C 2.0	2 P	0630	197	2.2	
	LEAR	12	0627	0628	0639	S10	E10	4279	08	13.0	12	SN C 2.0	3 C		46		F
	HTPR	12	0635E		0642	S09	E12	4279	08	13.2	7D	SF C 2.0	C	0635	30	.3	E
	HTPR	12	0635E		0653	S10	E17	4279	08	13.5	18D	SF	C	0635	20	.2	
0195	HTPR	12	0718		0758D	S06	E18	4278	08	13.6	40D	SF	C	0723	30	.3	
0196		12	0709*	0711*	0823	S10	E11	4279	08	13.1	74	SN C 5.4		107	1.3	DEFHK	
	HTPR	12	0709	0711	0746	S10	E10	4279	08	13.0	37	SF	C	0711	80	.8	E
	LEAR	12	0710	0714	0727	S11	E10	4279	08	13.0	17	SF	3 C		49		F
	MITK	12	0713	0724	0747D	S10	E13	4279	08	13.3	34D	SN	C	0724			E
	BUCA	12	0714	0719	0745	S09	E15	4279	08	13.4	31	SF	C	0719	161	1.9	E
	HTPR	12	0718	0728	0740	S09	E21	4279	08	13.9	22	SF	C	0728	40	.4	E
	LEAR	12	0721	0722	0810	S08	E20	4279	08	13.8	49	SF	3 C		51		F
	HTPR	12	0728	0747	0751	S08	E10	4279	08	13.1	23	SF	C	0747	30	.3	E
	LEAR	12	0729	0733	0753	S10	E10	4279	08	13.1	24	SF	3 C		23		K
	LEAR	12	0729	0747	0753	S10	E10	4279	08	13.1	24	SN	3 C		39		FK
	KAND	12	0752	0800	0817	S12	E11	4279	08	13.1	25	SF C 5.4	C		89	1.0	E
	HTPR	12	0757	0802	0830	S10	E10	4279	08	13.1	33	SB C 5.4	C	0802	180	1.8	E
	I STA	12	0759		0806	S11	E09	4279	08	13.0	7	SN C 5.4					E
	LEAR	12	0759	0802	0824	S11	E10	4279	08	13.1	25	SB C 5.4	3 C		117		FH
	BUCA	12	0759	0806		S11	E09	4279	08	13.0		SN C 5.4					E
	BUCA	12	0800	0802	0821	S10	E10	4279	08	13.1	21	1F C 5.4	C	0802	258	2.8	
	ATHN	12	0803	0805	0825	S08	E12	4279	08	13.2	22	SB C 5.4	4 V	0805	127	1.4	
	PURP	12	0813E	0813	0839	S12	E12	4279	08	13.2	26D	SB	C	0813	85	1.0	
	KHAR	12	0817E	0817	0827D	S12	E12	4279	08	13.2	10D	SF	P				D
	HTPR	12	0822	0827	0829	S08	E10	4279	08	13.1	7	SF	C	0827	20	.2	
	KANZ	12	0827E		0827	S08	E12	4279	08	13.2	7D	SN	1				
	KAND	12	0834	0844	0846	S09	E12	4279	08	13.2	12	SN	C				
LEAR	12	0841	0853	0900D	S10	E12	4279	08	13.3	19D	SB	3 C		191		F	
KANZ	12	0843	0843	0851	S09	E12	4279	08	13.3	8	SN	2					
HTPR	12	0844	0850	0852	S08	E10	4279	08	13.1	8	SN C 6.0	C	0850	40	.4	E	
KAND	12	0846	0850	0904	S10	E09	4279	08	13.0	18	SB C 6.0	C		54	.6	E	
YUNN	12	0852E	0852U	0856D	S10	E10	4279	08	13.1	4D	1B C 6.0	P	0852	338	3.7	E	
KHAR	12	0852E	0852	0901D	S11	E10	4279	08	13.1	9D	SN C 6.0	P	0852	110	1.1	E	
ATHN	12	0852	0855	0920	S09	E10	4279	08	13.1	28	SB C 6.0	4 V	0855	127	1.4		
CATA	12	0855E	0855	0905	S11	E09	4279	08	13.0	10D	S C 6.0	2 P	0855	140	1.5		
KANZ	12	0855	0855	0914	S10	E10	4279	08	13.1	19	SB C 6.0	2					
0197	LEAR	12	0844	0844	0852	S22	E60	4283	08	17.0	8	SF	3 C		21		
0198		12	0935*	0943*	1007	S07	E56	4281	08	16.6	32	SN		38	.7		
	KAND	12	0935	0943	0957	S07	E57	4281	08	16.7	22	SN	C		39	.7	
	HTPR	12	0940	0947	1013	S07	E55	4281	08	16.5	33	SN	C	0947	30	.5	
	CATA	12	0945E	0955	1000D	S07	E54	4281	08	16.4	15D	S	2 P	0955	45	.8	
	KANZ	12	0946	0946	1010	S06	E56	4281	08	16.6	24	SN	2				
0199		12	09551	09562	1000	S09	E10	4279	08	13.2	5	SF		15	.2		
	HTPR	12	0955	0956	1000	S10	E09	4279	08	13.1	5	SF	C	0956	10	.1	
	HTPR	12	0956	0958	1000	S08	E10	4279	08	13.2	4	SF	C	0958	20	.2	
0200		12	1040	1043	1103	S10	E24	4278A	08	14.2	23	SF		10	.1	D	
	HTPR	12	1040	1043	1103	S10	E25	4278A	08	14.3	23	SF	C	1043	10	.1	
	KHAR	12	1042E		1058D	S10	E23	4278A	08	14.2	16D	SF	P				D
0201	HTPR	12	1047	1055	1122	S11	E09	4279	08	13.1	35	SF	C	1055	60	.6	E
0202	HTPR	12	1144	1147	1149	S10	E08	4279	08	13.1	5	SF	C	1147	10	.1	
0203		12	1215*	1237*	1301	S11	E09	4279	08	13.2	46	SB C 5.7		134	1.0	EFH	
	HTPR	12	1215		1221D	S12	E09	4279	08	13.2	6D	SF	C	1220	20	.2	
	HTPR	12	1232	1237	1255	S12	E09	4279	08	13.2	23	SN	C	1237	20	.2	
	RAMY	12	1235	1246	1305	S11	E08	4279	08	13.1	30	1B C 5.7	3 C		261		FE
	HOLL	12	1242E	1242U	1304	S10	E06	4279	08	13.0	22D	SB C 5.7	2 C		165		FH
	ATHN	12	1242	1245	1301	S09	E10	4279	08	13.3	19	SB C 5.7	4 V	1245	159	1.7	
	HTPR	12	1242	1246	1300	S11	E12	4279	08	13.4	18	1B C 5.7	C	1246	220	2.2	E
	KAND	12	1242	1300	1302	S12	E12	4279	08	13.4	20	SB C 5.7	C		94	1.0	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0204		12	1322*	13279	1335	S11	E07	4279	08	13.1	13	SF	C	1.9			31	.2	EF
	HTPR	12	1322	1327	1328	S10	E07	4279	08	13.1	6	SF			C	1327	10	.1	
	HTPR	12	1333		1350D	S12	E08	4279	08	13.2	17D	SF	C	1.9	C	1335	40	.4	E
	HOLL	12	1335	1336	1342	S10	E06	4279	08	13.0	7	SN	C	1.9	3	C	43		F
0205	RAMY	12	1335	1336	1348	S07	E18	4278	08	13.9	13	SN			3	C	77		
0206	HTPR	12	1341E		1439	N10	E75	4282	08	18.2	58D	SF			C	1341	10		
0207	HTPR	12	1402	1412	1430	S05	E16	4278	08	13.8	28	SF			C	1412	10	.1	
0208	HTPR	12	1402	1411	1412	S10	E07	4279	08	13.1	10	SF			C	1411	10	.1	
0209		12	1555	15564	1600	S10	E04	4279	08	13.0	5	SF					34		
	HOLL	12	1555	1556	1559	S10	E04	4279	08	13.0	4	SF			3	C	23		
	RAMY	12	1555	1600	1602	S10	E05	4279	08	13.0	7	SF			3	C	46		
0210	RAMY	12	1607	1607	1611	N00	E16	4280	08	13.9	4	SF			3	C	26		
0211		12	1757	18029	1821	S11	E05	4279	08	13.1	24	SB	C	6.2			135		FKZ
	HOLL	12	1757	1802	1821	S11	E05	4279	08	13.1	24	SB	C	6.2	3	C	157		ZFK
	HOLL	12	1757	1811	1821	S11	E05	4279	08	13.1	24	SN			3	C	113		K
0212	HOLL	12	1835	1839	1841	S08	E04	4279	08	13.1	6	SB			3	C	65		
0213	HOLL	12	1853	1853	1857	S09	E03	4279	08	13.0	4	SF			3	C	34		F
0214	HOLL	12	1851	1853	1859	S09	E20	4278A	08	14.3	8	SF			3	C	44		
0215	HOLL	12	1903	1908	1925	S06	E15	4278	08	13.9	22	SN			3	C	88		F
0216	HOLL	12	1914	1914	1915	S09	E03	4279	08	13.0	1	SF			3	C	24		F
0217		12	20077	20095	2029	S10	E04	4279	08	13.1	22	SN	C	1.9			43		F
	HOLL	12	2007	2009	2034	S11	E03	4279	08	13.1	27	SN	C	1.9	3	C	61		
	PALE	12	2014	2014	2024	S10	E05	4279	08	13.2	10	SF	C	1.9	3	C	25		F
0218		12	22141	2216	2222	S08	E02	4279	08	13.1	8	SN					71	.8	DJ
	VORO	12	2214	2216U	2222	S08	E02	4279	08	13.1	8	SF			C	2216	72	.8	DJ
	CULG	12	2215	2216	2221	S08	E02	4279	08	13.1	6	SB			C	2216	70	.7	
0219		12	23002	23031	2312	S08	E02	4279	08	13.1	12	SB	C	1.4			79	.8	EJ
	VORO	12	2300	2302U	2306	S08	E02	4279	08	13.1	6	SN	C	1.4	C	2302	72	.8	EJ
	CULG	12	2301	2303	2306	S09	E02	4279	08	13.1	5	SB	C	1.4	C	2303	90	.9	
	PALE	12	2302	2303	2310	S08	E02	4279	08	13.1	8	SN	C	1.4	3	C	67		
	HOLL	12	2302	2304	2328	S07	E01	4279	08	13.0	26	SB	C	1.4	3	C	88		
0220		13	00182	0020	0044	S10	E05	4279	08	13.4	26	SB	C	2.1			95	1.4	EFJ
	VORO	13	0018	0020U	0032	S09	E04	4279	08	13.3	14	SN	C	2.1	C	0020	134	1.4	EJ
	HOLL	13	0019	0020	0049	S10	E05	4279	08	13.4	30	SB	C	2.1	2	C	91		F
	PALE	13	0019	0020	0056	S09	E07	4279	08	13.5	37	SN	C	2.1	3	C	100		F
	LEAR	13	0020	0020	0040	S10	E05	4279	08	13.4	20	SB	C	2.1	3	C	55		
0221		13	01542	0158*	0230	S05	E46	4281	08	16.5	36	SF					63	1.2	EK
	VORO	13	0154	0156U	0203	S05	E47	4281	08	16.6	9	SF			C	0156	108	1.6	E
	CULG	13	0154	0158	0217	S04	E47	4281	08	16.6	23	SF			C	0158	50	.7	
	LEAR	13	0154	0201	0251	S06	E46	4281	08	16.5	57	SN			3	C	71		K
	LEAR	13	0154	0208	0251	S06	E46	4281	08	16.5	57	SF			3	C	51		K
	PALE	13	0156	0201	0220D	S04	E47	4281	08	16.6	24D	SF			3	C	36		
0222		13	0224*	0231*	0410	S10	E01	4279	08	13.2	106	1N	C	1.2			347	5.2	EFIK
	LEAR	13	0224	0231	0418	S10	E00	4279	08	13.1	114	SN			3	C	104		K
	LEAR	13	0224	0336	0418	S10	E00	4279	08	13.1	114	1N	C	1.2	3	C	327		FK
	YUNN	13	0331	0335	0354	S10	W00	4279	08	13.1	23	1N	C	1.2	P		384	4.1	F
	TACH	13	0331E	0342	0352D	S11	E05	4279	08	13.5	21D	2N			C	0342	574	6.2	EIK
0223	LEAR	13	0235	0235	0253	S16	E50	4283	08	16.9	18	SF			3	C	21		

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0224		13	0418*	0424*	0500	S12	E01	4279	08	13.2	42	1N	M 1.2				295	3.5	DEFK
	ABST	13	0418	0424	0500	S12	W01	4279	08	13.1	42	2N			C	0424	536	5.7	FK
	TACH	13	0420E	0426	0448D	S12	E00	4279	08	13.2	28D	1N			C	0426	398	4.3	E
	MITK	13	0420	0431	0451	S10	W01	4279	08	13.1	31	SN	M 1.2		C	0431			E
	CULG	13	0421	0425	0438D	S12	W01	4279	08	13.1	17D	1B	M 1.2		P	0425	310	3.2	E
	LEAR	13	0422	0435U	0458	S10	E04	4279	08	13.5	36	1B	M 1.2	3	C		145		F
	ABST	13	0446	0450	0510	S13	E07	4279	08	13.7	24	SN			C	0450	87	.9	D
0225		13	0648*	0703*	0721	S10	W00	4279	08	13.3	33	SN	C 4.2				61	.6	BE
	HTPR	13	0648	0707	0725	S10	W01	4279	08	13.2	37	SF			C	0714	60	.6	E
	ISTA	13	0700E		0720	S09	E00	4279	08	13.3	20D	SF							BE
	HTPR	13	0700	0703	0708	S12	E01	4279	08	13.4	8	SF			C	0703	20	.2	
	BUCA	13	0700E	0720		S09	E00	4279	08	13.3		D SF							BE
	LEAR	13	0701	0727	0734	S10	E06	4279	08	13.7	33	SN	C 4.2	3	C		81		
	CULG	13	0702	0703	0705	S11	W04	4279	08	13.0	3	SN			C	0703	20	.2	
	HTPR	13	0703	0705	0709	S11	W05	4279	08	12.9	6	SN			C	0705	30	.3	
	LEAR	13	0703	0714	0721	S09	W00	4279	08	13.3	18	SN		3	C		77		
	ATHN	13	0705	0708	0724	S09	W02	4279	08	13.1	19	SN		2	V	0708	111	1.5	
	CATA	13	0705	0715	0725	S09	W01	4279	08	13.2	20	S		2	C	0715	169	1.8	
	HTPR	13	0706	0708	0731	S11	E07	4279	08	13.8	25	SF			C	0708	20	.2	E
	MITK	13	0709	0712	0729	S09	W02	4279	08	13.1	20	SN			C	0712			E
	HTPR	13	0711	0714	0717	S10	W04	4279	08	13.0	6	SF			C	0714	20	.2	
0226		13	0735*	0803*	0847	S12	E02	4279	08	13.5	72	SN					161	2.2	EF I
	LEAR	13	0735	0837	0909D	S12	E05	4279	08	13.7	94D	SN		3	C		88		F
	MITK	13	0800	0803	0824D	S13	E04	4279	08	13.6	24D	1N			C	0803	200	2.2	E
	MONT	13	0801	0803	0809	S14	E06	4279	08	13.8	8	SN			C	0803	70		
	YUNN	13	0801	0808	0818D	S12	E01	4279	08	13.4	17D	2F			P		584	6.3	F
	HTPR	13	0802	0804	0915	S14	E03	4279	08	13.6	73	SB			C	0804	150	1.5	EI
	HTPR	13	0809	0821	0855	S10	W03	4279	08	13.1	46	SF			C	0821	80	.8	E
	CATA	13	0825E	0825	0845D	S14	E06	4279	08	13.8	20D	S		2	P	0825	84	.9	
	CATA	13	0825E	0825	0845D	S09	W03	4279	08	13.1	20D	S		2	P	0825	169	1.8	
	LEAR	13	0833	0845	0848	S10	W03	4279	08	13.1	15	SF		3	C		21		
0227	HTPR	13	1045	1058	1130	S08	E03	4278	08	13.7	45	1F			C	1058	450	4.5	EU
0228	HTPR	13	1248	1249	1257	S09	E02	4279	08	13.7	9	SF			C	1249	30	.3	
0229	HTPR	13	1249	1252	1256	S20	E50	4283	08	17.3	7	SF			C	1252	20	.3	
0230		13	1319	1323	1345	S08	E02	4278	08	13.7	26	SN	C 2.4				68	.5	E
	RAMY	13	1319	1323	1402D	S07	E03	4278	08	13.8	43D	SN	C 2.4	3	C		112		
	HOLL	13	1324E	1324U	1344	S06	E00	4278	08	13.5	20D	SN	C 2.4	3	C		23		
	HOLL	13	1324E	1324U	1346	S08	E04	4278	08	13.8	22D	SN	C 2.4	3	C		85		
	HTPR	13	1349E		1401D	S09	E02	4278	08	13.7	12D	SF	C 2.4		C	1356	50	.5	E
0232	HTPR	13	1430E		1450D	S11	W08	4279	08	13.0	20D	SF			C	1447	30	.3	E
0233	HTPR	13	1517	1518	1523	S08	W07	4279	08	13.1	6	SF			C	1518	20	.2	
0234	HOLL	13	1631	1631	1636	S08	E07	4278A	08	14.2	5	SF		3	C		24		
0235	HTPR	13	1640	1641	1645	S10	W11	4279	08	12.9	5	SF			C	1641	30	.3	E
0236		13	18007	1812*	1917	S08	W00	4278	08	13.8	77	1B	M 5.5				610		EFHKU
	HOLL	13	1800	1813	1920	S08	E00	4278	08	13.8	80	2B	M 5.5	3	C		768		FHK
	HOLL	13	1800	1904	1920	S08	E00	4278	08	13.8	80	SF		3	C		170		K
	HOLL	13	1804	1812	1816D	S07	W02	4278	08	13.6	12D	1B	M 5.5	3	C		403		
	PALE	13	1807	1812	1912	S09	E00	4278	08	13.7	65	2B	M 5.5	3	C		1099		UE
0238	HOLL	13	2112	2112	2117	S10	W13	4279	08	12.9	5	SF		3	C		45		
0239		13	22282	2231	2241	S12	W12	4279	08	13.0	13	SF					51	.6	EFJ
	VORO	13	2228	2231U	2238	S12	W12	4279	08	13.0	10	SF			C	2231	72	.8	EJ
	CULG	13	2230	2231	2244	S13	W11	4279	08	13.1	14	SF			C	2231	30	.3	F
0240		14	0023*	0025*	0053	S12	W13	4279	08	13.0	30	SN	C 3.3				145	1.9	EFJT
	CULG	14	0023	0025	0049	S13	W13	4279	08	13.0	26	1N	C 3.3		C	0025	230	2.5	F
	VORO	14	0026E		0042D	S12	W13	4279	08	13.0	16D	SN			C	0027	161	1.8	EJ
	YUNN	14	0029E	0030	0046	S11	W14	4279	08	13.0	17D	1N	C 3.2		P		231	2.6	ET
	PURP	14	0033E	0033	0042D	S13	W13	4279	08	13.0	9D	SN	C 3.3		C	0033	62	.7	
	LEAR	14	0053	0059	0104	S12	W15	4279	08	12.9	11	SN		3	C		42		

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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 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0241	LEAR	14	0205		0215D	S08	W07	4279	08	13.6	10D	SF		3	C		33		
0242	ABST	14	0612	0615	0624	S08	W11	4279	08	13.4	12	SF			C	0615	131	1.3	E
0243	ABST	14	0624	0626	0630	S09	W01	4278A	08	14.2	6	SF			C	0626	131	1.3	E
0244		14	07197	07259	0750	S09	W09	4279	08	13.6	31	SN					108	1.2	ETU
	KANZ	14	0719	0725	0759	S08	W10	4279	08	13.5	40	SF		1					
	ISTA	14	0724		0730	S09	W09	4279	08	13.6	6	1N							U
	BUCA	14	0724	0730		S09	W09	4279	08	13.6		1N							U
	YUNN	14	0725	0738U	0754	S08	W10	4279	08	13.5	29	SN		P	0738	108	1.2	ET	
	KANZ	14	0726	0734	0759	S10	W06	4279	08	13.8	33	SF		1					
0245	YUNN	14	0806	0814	0840	S07	W11	4278	08	13.5	34	SN			C		77	.8	T
		14	0913		0949	No Flare Patrol													
		14	1016		1050	No Flare Patrol													
0246	RAMY	14	1329	1331	1335	S10	W14	4279	08	13.5	6	SN	C 1.2	3	C		26		
0247		14	1428	14293	1449	S07	E27	4281	08	16.6	21	SN					38		
	RAMY	14	1428	1429	1436	S07	E27	4281	08	16.6	8	SN		3	C		41		
	KANZ	14	1428	1432	1456	S07	E27	4281	08	16.6	28	SN		2					
	HOLL	14	1430E	1430U	1454	S07	E26	4281	08	16.5	24D	SN		2	C		34		
0248		14	1551*	1552*	1712	S08	W13	4278	08	13.7	81	SN	C 1.3				170		FK
	HOLL	14	1551	1552	1756	S07	W15	4278	08	13.5	125	SN		3	C		62		K
	RAMY	14	1551	1553	1609	S08	W12	4278	08	13.8	18	SN		3	C		34		
	HOLL	14	1551	1553	1623	S07	W11	4278	08	13.8	32	SN		3	C		88		
	HOLL	14	1551	1643	1756	S07	W15	4278	08	13.5	125	1B	C 1.3	3	C		466		FK
	RAMY	14	1552	1553	1605	S07	W07	4278	08	14.1	13	SN		3	C		58		
	KANZ	14	1555	1555U	1603D	S08	W13	4278	08	13.7	8D	1N		2					
	RAMY	14	1624	1625	1759	S08	W14	4278	08	13.6	95	SN		3	C		44		K
	RAMY	14	1624	1642	1759	S08	W14	4278	08	13.6	95	1B	C 1.3	3	C		441		FK
0249		14	16096	16124	1634	S19	E32	4283	08	17.1	25	SF					26		
	HOLL	14	1609	1612	1631	S19	E33	4283	08	17.2	22	SF		3	C		18		
	RAMY	14	1615	1616	1636	S19	E32	4283	08	17.1	21	SF		3	C		33		
0250		14	16251	1642*	1756	S08	W10	4279	08	13.9	91	2B					440		FKZ
	RAMY	14	1625	1642	1800	S09	W09	4279	08	14.0	95	1B		3	C		376		K
	RAMY	14	1625	1655	1800	S09	W09	4279	08	14.0	95	2B		3	C		570		K
	HOLL	14	1626	1642	1751	S07	W11	4279	08	13.9	85	1B		3	C		266		ZFK
	HOLL	14	1626	1656	1751	S07	W11	4279	08	13.9	85	2B		3	C		548		K
0251		14	1814	1815	1818	N07	E33	4282	08	17.2	4	SF					32		
	RAMY	14	1814	1815	1818	N07	E33	4282	08	17.2	4	SF		3	C		32		
	HOLL	14	1814	1815	1818	N07	E33	4282	08	17.2	4	SF		3	C		33		
0252		14	1908	1914*	1954	S08	W17	4279	08	13.5	46	SF					38		K
	HOLL	14	1908	1914	1954	S08	W17	4279	08	13.5	46	SF		3	C		37		K
	HOLL	14	1908	1933	1954	S08	W17	4279	08	13.5	46	SF		3	C		39		K
		14	2129		2147	No Flare Patrol													
0253	LEAR	15	0009	0012	0027	S09	W22	4279	08	13.3	18	SF		3	C		96		
0254	LEAR	15	0025	0027	0040	N20	E55	4286	08	19.2	15	SF		3	C		28		
0255		15	0036*	0044*	0137	S09	W20	4279	08	13.5	61	SN	C 2.0				66	.6	EFK
	LEAR	15	0036	0045	0153	S08	W17	4279	08	13.7	77	SB		3	C		82		K
	LEAR	15	0036	0128	0153	S08	W17	4279	08	13.7	77	SN		3	C		63		K
	LEAR	15	0042	0044	0111	S09	W21	4279	08	13.4	29	SN	C 2.0	3	C		89		F
	PURP	15	0052E	0052	0107	S10	W20	4279	08	13.5	15D	SF	C 2.0			0056	59	.7	E
	LEAR	15	0118	0127	0153	S10	W23	4279	08	13.3	35	SN	C 2.1	3	C		55		F
	PURP	15	0123	0136U	0146	S10	W20	4279	08	13.5	23	SF	C 2.1		C	0136	51	.6	E
0256	LEAR	15	0113	0113	0120	N07	E32	4282	08	17.4	7	SF		3	C		56		

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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 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0257	LEAR	15	0132	0132	0136	N17	E55	4286	08	19.2	4	SN		3	C			28		
0258	LEAR	15	0145	0206	0250	S19	E26	4283	08	17.0	65	SN		3	C			91		U
0259		15	02291	02311	0302	S10	W20	4279	08	13.6	33	SN						78		F
	LEAR	15	0229	0231	0311	S10	W23	4279	08	13.4	42	SN		3	C			103		F
	LEAR	15	0230	0232	0252	S10	W17	4279	08	13.8	22	SN		3	C			54		
0260	ABST	15	0416E	0416	0432	S08	W25	4279	08	13.3	16D	SF			P	0416		131	1.5	E
0261		15	05381	05392	0603	S10	W25	4279	08	13.3	25	SN						30	.3	F
	CULG	15	0538	0541	0557D	S10	W25	4279	08	13.3	19D	SF			P	0541		30	.3	F
	LEAR	15	0539	0539	0603	S09	W25	4279	08	13.3	24	SN		3	C			29		F
0262	LEAR	15	0720	0720	0731	S08	W19	4278	08	13.9	11	SF		3	C			22		
0263		15	0741*	0742*	0830	S10	W25	4279	08	13.4	49	SN	C 3.0					150	2.2	BCDEFK
	LEAR	15	0741	0742	0829	S09	W26	4279	08	13.4	48	SN		3	C			33		K
	LEAR	15	0741	0803	0829	S09	W26	4279	08	13.4	48	SB	C 3.0	3	C			150		FEK
	ISTA	15	0744		0825	S10	W26	4279	08	13.4	41	1N	C 3.0							C
	ISTA	15	0744		0825	S13	W27	4279	08	13.3	41	SN								B
	BUCA	15	0744	0825		S10	W26	4279	08	13.4		1N								C
	BUCA	15	0744	0825		S13	W27	4279	08	13.3		SN								B
	YUNN	15	0745	0756	0820	S09	W28	4279	08	13.2	35	SN			P			62	.7	
	KANZ	15	0749	0757	0837	S09	W26	4279	08	13.4	48	SB		2						
	BUCA	15	0755	0802	0825	S10	W24	4279	08	13.5	30	1N			P	0802		430	5.0	E
	ISTA	15	0800		0808	S08	W21	4279	08	13.7	8	1N								BD
	BUCA	15	0800	0808		S08	W21	4279	08	13.7		1N								DB
	YUNN	15	0831	0834	0855	S10	W25	4279	08	13.5	24	SN			C			77	.9	E
	KANZ	15	0832	0832	0852	S09	W20	4279	08	13.8	20	SN		2						
0264		15	0914*	0921*	1014	S08	W24	4279	08	13.6	60	SN						160	2.1	EFHV
	LEAR	15	0914	0921	0930D	S07	W25	4279	08	13.5	16D	SN		2	C			75		F
	LEAR	15	0914	0924	0930D	S09	W18	4279	08	14.0	16D	SN		2	C			168		F
	KANZ	15	0915	0927	1022	S08	W24	4279	08	13.6	67	SN		2						
	KHAR	15	0930E		0953D	S08	W25	4279	08	13.5	23D	SN			P	0930		100	1.1	E
	KHAR	15	0937E	0938	1014D	S10	W26	4279	08	13.4	37D	1B			P	0939		300	3.3	EHV
	KANZ	15	0939	0943	1014	S09	W22	4279	08	13.7	35	SB		2						
	ATHN	15	0940	0943	1005	S08	W26	4279	08	13.4	25	SB		2	V	0943		159	1.9	
0265		15	1056	1056	1109	S09	W24	4279	08	13.6	13	SN						60		
	RAMY	15	1053E	1054U	1109	S10	W27	4279	08	13.4	16D	SN		3	C			73		
	RAMY	15	1054E	1054U	1109	S09	W21	4279	08	13.9	15D	SN		3	C			48		
	KANZ	15	1056	1056	1108	S09	W24	4279	08	13.6	12	SF		1						
0266		15	14131	1414	1434	S04	W22	4278	08	13.9	21	SN						30		
	RAMY	15	1413	1414	1439	S05	W22	4278	08	13.9	26	SN		3	C			30		
	KANZ	15	1414	1414	1430	S04	W23	4278	08	13.9	16	SN		2						
		15	1714		1743	No Flare Patrol														
0267	PALE	15	1818	1829	1841	S09	W24	4279	08	14.0	23	SF	C 2.3	3	C			132		F
		15	2015		2022	No Flare Patrol														
		15	2033		2041	No Flare Patrol														
		15	2126		2244	No Flare Patrol														
		15	2246		2248	No Flare Patrol														
0268		16	00172	00204	0104	S09	W36	4279	08	13.3	47	1B	C 2.4					138	2.5	EFJ
	LEAR	16	0017	0024	0110	S10	W35	4279	08	13.4	53	SN	C 2.4	3	C			80		F
	VORO	16	0019	0020	0057	S08	W36	4279	08	13.3	38	1B	C 2.4		C	0021		197	2.5	EJ
0269	LEAR	16	0414	0414	0419	S10	W39	4279	08	13.2	5	SN		3	C			23		
0270	LEAR	16	0611	0616	0628	S09	W36	4279	08	13.5	17	SF		3	C			21		
0271	HTPR	16	0634	0637	0641	S10	W36	4279	08	13.6	7	SF			C	0637		50	.7	H

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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 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0272		16	0655*	0705*	0738	S09	W42	4279	08	13.1	43	SN						53	.9	BDLT
	BUCA	16	0655	0707	0745	S09	W44	4279	08	13.0	50	SF			C	0707		54	.8	
	HTPR	16	0657	0708	0740	S10	W42	4279	08	13.1	43	SN			C	0708		80	1.1	
	ISTA	16	0701		0726	S07	W42	4279	08	13.1	25	SN								B
	LEAR	16	0701	0713	0740	S10	W41	4279	08	13.2	39	SN		3	C			31		
	BUCA	16	0701	0716		S07	W42	4279	08	13.1		SN								B
	KAND	16	0703	0705	0723	S10	W40	4279	08	13.3	20	SN			C					D
	KANZ	16	0708	0712	0754	S09	W41	4279	08	13.2	46	1F		2						
	YUNN	16	0719	0719U	0740	S09	W42	4279	08	13.1	21	SN			P	0719		46	.7	
	KHAR	16	0720E		0728D	S09	W43	4279	08	13.1	8D	SN			V	0720				LT
0273		16	0657*	0659*	0715	S01	W36	4280	08	13.6	18	SN						140	1.4	EFU
	HTPR	16	0657	0659	0711	S03	W35	4280	08	13.7	14	SF			C	0659		100	1.2	E
	BUCA	16	0700	0704	0725	S01	W37	4280	08	13.5	25	SN			C	0704		161	2.1	E
	ISTA	16	0701		0710	S00	W36	4280	08	13.6	9	1B								U
	LEAR	16	0701	0703	0720	S02	W37	4280	08	13.5	19	1N		3	C			225		F
	BUCA	16	0701	0710		N00	W36	4280	08	13.6		1B								U
	KANZ	16	0704	0704	0712	S02	W37	4280	08	13.5	8	SB		2						
	KAND	16	0707	0709	0711	S01	W37	4280	08	13.5	4	SF			C			73	1.0	E
0274		16	0752*	0759*	0841	S09	W40	4279	08	13.3	49	SF	C 2.9					70	.8	DELT
	HTPR	16	0752	0759	0809	S09	W37	4279	08	13.5	17	SF			C	0759		30	.4	
	LEAR	16	0757	0823	0928	S10	W42	4279	08	13.2	91	SN	C 2.9	3	C			118		
	KANZ	16	0802	0802	0817	S09	W37	4279	08	13.5	15	SN		2						
	KHAR	16	0805E	0805	0811D	S09	W37	4279	08	13.5	6D	SF			P	0805		20	.3	D
	PEKG	16	0816	0822	0830	S09	W40	4279	08	13.3	14	SF	C 2.9		C	0822		67	.9	E
	HTPR	16	0819E		0841D	S09	W37	4279	08	13.6	22D	SF	C 2.9		C	0819		150	2.0	
	KAND	16	0819	0823	0837	S10	W41	4279	08	13.3	18	SF	C 2.9		C					D
	KANZ	16	0820	0820	0911	S10	W42	4279	08	13.2	51	SF	C 2.9	2						
	MONT	16	0820	0822	0836	S09	W42	4279	08	13.2	16	SN	C 2.9		C	0822		110		
	KHAR	16	0821E	0821	0824D	S09	W35	4279	08	13.7	3D	SF			P	0821		10	.1	D
	KHAR	16	0821E	0821	0842D	S09	W43	4279	08	13.1	21D	SN	C 2.9		P	0821		100	1.5	LT
	KHAR	16	0908E	0908	0926D	S09	W43	4279	08	13.1	18D	SF			P	0908		30	.5	
0276	KHAR	16	0831E	0834	0838D	S07	W36	4278	08	13.6	7D	SF			P	0834		10	.1	D
0277	KHAR	16	1035E	1059	1102D	S08	W36	4278	08	13.7	27D	SF			P	1059		40	.6	LT
0278	HTPR	16	1049	1053	1056	S09	W26	4278A	08	14.5	7	SN			C	1053		60	.7	E
0279	KHAR	16	1059E	1059	1105D	S18	E08	4283	08	17.1	6D	SF			P	1059		40	.5	
0280	KHAR	16	1125E	1129	1134D	S07	W38	4278	08	13.6	9D	SF			P	1129		10	.2	D
0281	RAMY	16	1342E	1342U	1342	S08	W61		08	12.0	9D	SN		2	C			28		
0282		16	1344	13453	1405	S10	W39	4279	08	13.6	21	SB	C 3.1					96	2.0	F
	KANZ	16	1344	1348	1409	S09	W37	4279	08	13.8	25	SN	C 3.1	2						
	RAMY	16	1345	1345	1400	S10	W40	4279	08	13.6	15	SB	C 3.1	3	C			44		F
	ATHN	16	1345	1348	1405	S10	W40	4279	08	13.6	20	SN	C 3.1	1	V	1348		143	2.0	
	HOLL	16	1347E	1347U	1350D	S10	W40	4279	08	13.6	3D	SB	C 3.1	4	C			102		F
		16	1511		1515	No Flare Patrol														
0283		16	1526*	1538*	1612D	S08	W45	4279	08	13.3	46D	SB	C 1.0					95		EFK
	HOLL	16	1526	1538	1600D	S08	W45	4279	08	13.3	34D	SN		4	C			38		K
	HOLL	16	1526	1557	1600D	S08	W45	4279	08	13.3	34D	SB	C 1.0	4	C			120		FEK
	HOLL	16	1526	1608	1612D	S08	W46	4279	08	13.2	46D	SB		4	C			120		
	RAMY	16	1546	1557	1601D	S09	W45	4279	08	13.3	15D	SB	C 1.0	3	C			103		
0284	HOLL	16	1550E	1600U	1645D	S08	W37	4278	08	13.9	55D	SB	C 6.0	3	C			65		
0285	HOLL	16	1607	1607	1608D	S08	W33	4278A	08	14.2	1D	SB		3	C			168		
		16	1739		1746	No Flare Patrol														
0286	HOLL	16	1802	1802	1811	S07	W41	4278	08	13.7	9	SN	C 1.3	3	C			39		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
	16		1829		1949			No Flare Patrol												
	16		2019		2023			No Flare Patrol												
0287	HOLL	16	2046E	2048U	2100	S01	W44	4280	08	13.6	14D	SF		3	C			32		F
0288	HOLL	16	2141E	2143U	2152	S07	W42	4278	08	13.7	11D	SF		3	C			24		
0289	HOLL	16	2142E	2142U	2246	N18	E29	4286	08	19.1	64D	1B	C	2.7	3	C		255		EU
		16	2155		2220			No Flare Patrol												
0290	HOLL	16	2220	2222	2238	S08	W45	4279	08	13.5	18	SN	C	2.9	3	C		69		F
		16	2317		2326			No Flare Patrol												
0291	HOLL	17	0043	0051	0105	S08	W50	4279	08	13.3	22	SN	C	1.8	3	C		40		
0292	CULG	17	0123	0132	0215	S02	W57	4280	08	12.8	52	SF			C	0132		70	1.3	FHL
0293		17	0232	0232	0334	S10	W49	4279	08	13.4	62	2B	M	1.3				398	9.3	EF
	LEAR	17	0232	0232	0334	S09	W48	4279	08	13.5	62	1B	M	1.3	3	C		242		FE
	YUNN	17	0236E	0236U	0254D	S10	W50	4279	08	13.3	18D	2B	M	1.3		P	0236	554	9.3	
0294		17	0501	0504	0524	S02	W50	4280	08	13.5	23	1N						171	3.6	F
	ABST	17	0501	0504	0524	S01	W52	4280	08	13.3	23	1N			C	0504		218	3.6	F
	LEAR	17	0501	0504	0525	S02	W49	4280	08	13.5	24	SN		3	C			124		
0295		17	0646	0658	0658	S08	W51	4279	08	13.4	12	1B								FU
	ISTA	17	0646	0658	0658	S08	W51	4279	08	13.4	12	1B								FU
	BUCA	17	0646	0658		S08	W51	4279	08	13.4		1B								UF
0296		17	0647*	0722	0746	S10	W56	4279	08	13.1	59	SN						34		LT
	LEAR	17	0647	0722	0731	S10	W56	4279	08	13.1	44	SN		3	C			34		
	KANZ	17	0708	0722	0800	S10	W56	4279	08	13.1	52	SN		2						
	KHAR	17	0725E		0740D	S10	W55	4279	08	13.2	15D	SF			V	0732				LT
0297		17	0722	0737	0737	S07	W54	4278	08	13.3	15	SB								BD
	ISTA	17	0722		0737	S07	W54	4278	08	13.3	15	SB								BD
	BUCA	17	0722	0737		S07	W54	4278	08	13.3		SB								DB
0298		17	0809*	0816*	0924	S09	W54	4279	08	13.3	75	SN	C	1.2				62	1.0	EFKLTW
	LEAR	17	0809	0816	0917D	S10	W56	4279	08	13.1	68D	SF		3	C			67		K
	LEAR	17	0809	0848	0917D	S10	W56	4279	08	13.1	68D	SB	C	1.2	3	C		83		FK
	KHAR	17	0811E	0858	0928D	S10	W57	4279	08	13.0	77D	SN	C	1.2		P	0858	30	.7	LTW
	PEKG	17	0845	0850	0922	S08	W56	4279	08	13.2	37	SF	C	1.2		C	0850	34	.6	E
	CATA	17	0850E	0900	0925D	S09	W56	4279	08	13.2	35D	S	C	1.2	2	P	0900	56	1.1	
	ATHN	17	0851E	0851	0925	S09	W50	4279	08	13.6	34D	1N	C	3.3	1	V	0851	127	2.2	
	KHAR	17	0904E	0908	0928D	S10	W48	4279	08	13.8	24D	SF	C	3.3		P	0908	40	.7	L
0299		17	10175	1017*	1106	S10	W54	4279	08	13.4	49	SN						58	1.0	ELT
	KHAR	17	1012E	1018	1044D	S10	W57	4279	08	13.1	32D	SN			P	1018		40	.8	LT
	KANZ	17	1017	1017	1048	S10	W58	4279	08	13.1	31	SB		2						
	KHAR	17	1018E	1031	1117D	S10	W50	4279	08	13.7	59D	SB			P	1047		40	.7	
	HTPR	17	1020E		1115	S10	W52	4279	08	13.5	55D	1N			C	1030		140	2.3	E
	KANZ	17	1022	1029	1114	S10	W49	4279	08	13.7	52	SB		2						
	KHAR	17	1117E	1117	1120D	S10	W60	4279	08	13.0	3D	SF			P	1117		10	.2	
0300	CATA	17	1035E	1035	1035D	S07	W49	4278	08	13.8	3D	S		2	P	1035		84	1.4	
0302	KHAR	17	1157E	1157	1203D	N00	W53	4280	08	13.5	6D	SF			P	1157		30	.6	
0303		17	13362	13381	1342	S08	W59	4279	08	13.1	6	SN	C	1.0				48	1.0	
	ATHN	17	1336	1339	1342	S08	W56	4279	08	13.4	6	SN	C	1.0	3	V	1339		95	1.6
	HTPR	17	1338		1340D	S08	W62	4279	08	12.9	2D	SN	C	1.0		C	1340		20	.4
	HOLL	17	1338	1338	1342	S07	W60	4279	08	13.1	4	SN	C	1.0	3	C			28	
0304	HTPR	17	1411	1413	1416	S08	W62	4279	08	12.9	5	SF			C	1413		10	.2	



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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0305		17	16257	1626*	1640	S08	W54	4279	08	13.6	15	SF				34		F
	HOLL	17	1625	1626	1631	S08	W55	4279	08	13.6	6	SF	3	C		23		F
	HOLL	17	1632	1636	1649	S08	W54	4279	08	13.6	17	SF	3	C		45		F
0306	HOLL	17	1742	1747	1832	S08	W55	4279	08	13.6	50	SF C 2.0	3	C		61		F
0307		17	1904	1905	1944	S08	W52	4279	08	13.9	40	1N M 1.4				154		F
	PALE	17	1904	1905	1944	S09	W54	4279	08	13.7	40	1N M 1.4	3	C		169		F
	HOLL	17	1915E	1915U	1919D	S08	W50	4279	08	14.0	4D	1N M 1.4	3	C		140		F
		17	2129		2219	No Flare Patrol												
		17	2221		2249	No Flare Patrol												
		17	2254		2319	No Flare Patrol												
		17	2321		2322	No Flare Patrol												
0308	HOLL	17	2334E	2334U	2341	N01	W59	4280	08	13.6	7D	SF	2	C		19		
0309	LEAR	18	0117	0129	0157	N00	W56	4280	08	13.9	40	SF	3	C		52		
0310	LEAR	18	0121	0121	0137	S04	W54	4278	08	14.0	16	SF	3	C		17		
0311	LEAR	18	0259	0301	0306	N07	W14	4282	08	17.1	7	SN	3	C		27		
0312	ABST	18	0431	0434	0439	S07	W77	4278	08	12.4	8	1F		C	0434	87		DJ
0313	LEAR	18	0457	0501	0511	S09	W67	4279	08	13.2	14	SN C 1.2	3	C		43		E
0314		18	0819*	0823*	0837	S10	W69	4279	08	13.2	18	SN				25	.7	EFKL
	YUNN	18	0819	0823	0830	S11	W67	4279	08	13.3	11	SB		C		31		
	KHAR	18	0822E		0829D	S12	W72	4279	08	12.9	7D	SF		P	0824			L
	HTPR	18	0822	0824	0845	S09	W70	4279	08	13.1	25	SN		C	0824		.7	K
	LEAR	18	0825	0827	0830	S10	W69	4279	08	13.2	5	SF	3	C		18		
	LEAR	18	0834	0838	0844	S11	W70	4279	08	13.1	10	SF	3	C		20		FE
0315	KHAR	18	0858E		0906D	N02	W90		08	11.6	8D	SF		V	0858			
0316	KHAR	18	0859E		0909D	S10	W71	4279	08	13.0	10D	SF		P	0903			L
0317	HTPR	18	0945	0950	1001	S06	W72	4278	08	13.0	16	SN		C	0950	20		
0318		18	10141	10154	1030	S06	W74	4278	08	12.9	16	SB				63		
	HTPR	18	1014	1019	1030	S06	W72	4278	08	13.0	16	SB		C	1019	70		
	CATA	18	1015	1015	1030	S06	W75	4278	08	12.8	15	S	2	C	1015	56		
0319	KHAR	18	1015E	1020	1030D	S09	W79	4279	08	12.5	15D	1N		P	1022			H
0320		18	1038	1039*	1122	N08	W28	4278D	08	16.3	44	SN				120	1.3	EK
	HTPR	18	1038	1039	1122	N08	W28	4278D	08	16.3	44	SN		C	1039	120	1.3	EK
	HTPR	18	1038	1054	1122	N09	W28	4278D	08	16.3	44							
0321		18	1040*	1055	1115	N08	W18	4282	08	17.1	35	SN				77	.9	E
	KHAR	18	1040		1045D	N07	W18	4282	08	17.1	5D	SF		P	1042	50	.6	E
	CATA	18	1050	1055	1115	N09	W19	4282	08	17.0	.25	S	2	C	1055	112	1.2	
	KHAR	18	1055E		1115	N08	W18	4282	08	17.1	20D	SN		P	1109	70	.8	E
0322	HTPR	18	1227	1231	1245	N08	W30	4278D	08	16.3	18	SF		C	1231	30	.3	E
0323	HTPR	18	1328	1333	1341	S06	W79	4278	08	12.6	13	SF		C	1333	20		
0324	HTPR	18	1420	1421	1426	N00	W70	4280	08	13.4	6	1F		C	1421	120	2.2	E
0325		18	15062	1508U	1601	N08	W20	4282	08	17.1	55	1N C 2.0				136	2.5	EF
	HTPR	18	1506		1514D	N08	W20	4282	08	17.1	8D	1B C 2.0		C	1513	250	2.5	E
	HOLL	18	1508	1508U	1601	N08	W20	4282	08	17.1	53	SF C 2.0	3	C		21		F
		18	1515		1518	No Flare Patrol												
		18	1522		1533	No Flare Patrol												
0326	HOLL	18	1731	1739	1755	N08	W21	4282	08	17.1	24	SF	3	C		36		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 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0327	HOLL	18	1756	1814	1821	N08	W22	4282	08	17.1	25	SF		3	C		29		F
		18	2054		2056	No Flare Patrol													
0328	VORO	18	22539	2254*	2320	N09	W24	4282	08	17.1	27	SF					66	1.3	DJK
	HOLL	18	2251E	2304	2353	N10	W25	4282	08	17.1	62D	SN			C	2304	134	1.3	DJK
	HOLL	18	2253	2254	2258	N09	W24	4282	08	17.1	5	SF		2	C		30		
	HOLL	18	2302	2302	2309	N09	W24	4282	08	17.1	7	SF		2	C		34		
0329	LEAR	19	0210*	02239	0258	S07	W67	4278	08	14.1	48	1N					154		EFHIJU
	LEAR	19	0210	0223	0307	S08	W69	4278	08	13.9	57	1F		3	C		144		UF
	PALE	19	0221E	0228U	0256	S08	W63	4278	08	14.4	35D	SN		3	C		86		F
	VORO	19	0223	0232	0250	S06	W70	4278	08	13.8	27	1N			C	0232	296		EHIJ
	YUNN	19	0226E	0230U	0234D	S07	W65	4278	08	14.2	8D	1B			P	0230	92		F
0330	YUNN	19	03061	03091	0325	S08	W86	4279	08	12.7	19	SN	C 3.8				104		AFU
	LEAR	19	0306	0310	0324	S08	W80	4279	08	13.1	18		C 3.8		P				A
	LEAR	19	0307	0309	0326	S08	W89	4279	08	12.4	19	1N	C 3.2	3	C		150		UF
	PEKG	19	0310E	0310	0323	S08	W90	4279	08	12.4	13D	SB	C 3.8		C	0310	101		A
	PALE	19	0317E	0318U	0327	S09	W83	4279	08	12.9	10D	SN	C 3.8	3	C		60		
0331	PEKG	19	0405	0415	0438	S07	W90	4278	08	12.4	33	SF			C	0415	42		A
0332	CATA	19	0635E	0635	0650	S06	W90	4278	08	12.5	15D	S			P	0635	28		
0333	KHAR	19	0801E		0935D	S08	W88	4279	08	12.7	94D	SN							H
	KHAR	19	0801E		0840D	S08	W88	4279	08	12.7	39D	SN			V	0804			H
	KHAR	19	0849E		0935D	S08	W88	4279	08	12.8	46D	SF			V	0857			
0334	CATA	19	0920E	0925	0935D	S06	W90	4278	08	12.6	15D	1		2	P	0925	56		
0335	KHAR	19	1045E		1106D	S08	W89	4279	08	12.8	21D	SN			V	1055			
0336	RAMY	19	1810*	18261	1835	N16	E54	4288	08	23.8	25	SF	C 2.2				73		F
	HOLL	19	1810	1826	1837	N16	E53	4288	08	23.8	27	SN	C 2.2	3	C		99		
	HOLL	19	1823	1827	1836	N16	E54	4288	08	23.9	13	SF	C 2.2	3	C		75		
	PALE	19	1825	1826	1831	N16	E55	4288	08	23.9	6	SF	C 2.2	3	C		44		F
		20	0100		0103	No Flare Patrol													
		20	0106		0111	No Flare Patrol													
		20	0204		0209	No Flare Patrol													
0337	KANZ	20	0853	0857	0924	S15	W76	4279	08	14.6	31	SF		2					
0338	HTPR	20	12454	12481	1311	N16	E48	4288	08	24.2	26	SN					64	.9	E
	ATHN	20	1245	1248	1310	N15	E44	4288	08	23.9	25	SN			C	1248	80	1.1	E
	KANZ	20	1247E	1249	1309	N19	E54	4288	08	24.6	22D	SN		2	V	1249	48	.7	
	KANZ	20	1249	1249	1313	N15	E46	4288	08	24.0	24	SN		2					
0339	RAMY	20	1731	1731	1743	N15	E49	4288	08	24.4	12	SF		3	C		20		
0340	RAMY	20	17461	17474	1902	N08	W49	4282	08	17.1	76	SF					44		F
	PALE	20	1746	1748	2105	N08	W49	4282	08	17.1	199	SF		3	C		51		
	HOLL	20	1747	1747	1759	N07	W49	4282	08	17.1	12	SF		3	C		18		F
	HOLL	20	1747	1751	1803	N08	W50	4282	08	17.0	16	SN		3	C		62		F
0341	PALE	20	1802	1804*	1836	N14	E50	4288	08	24.5	34	SN	C 3.0				100		FK
	HOLL	20	1802	1804	1831	N15	E50	4288	08	24.5	29	SN	C 3.0	3	C		87		F
	HOLL	20	1802	1806	1839	N14	E50	4288	08	24.5	37	SB	C 3.0	3	C		115		FK
	HOLL	20	1802	1816	1839	N14	E50	4288	08	24.5	37	SN		3	C		98		K
		20	2035		2059	No Flare Patrol													
		20	2156		2201	No Flare Patrol													
0342	VORO	20	2354	2358U	2411	N13	E46	4288	08	24.5	17	1B			C	2358	179	2.6	EJH
0343	CATA	21	0910	0910	0915	N08	W63	4282	08	16.6	5	S		2	C	0910	28	.6	

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																(10 <sup>-6</sup> Disk)	Apparent (Sq Deg)	
0344	KHAR	21	0926E	0930D	N09	W57	4282	08	17.1	4D	SF		P	0926	40	.8	E	
0345		21	1100	1100	1106	N09	W25	08	19.6	6	SF				28	.3		
	CATA	21	1100	1100	1105	N10	W25	08	19.6	5	S		2	C	1100	28	.3	
	KANZ	21	1100	1100	1108	N08	W25	08	19.6	8	SF		2					
		21	1439		1451	No Flare Patrol												
		21	1512		1608	No Flare Patrol												
		21	1619		1647	No Flare Patrol												
		21	1725		1739	No Flare Patrol												
0346		21	1753	1801	1913	N14	E35	4288	08	24.4	80	2B	M 2.3			652		EFU
	HOLL	21	1753	1801	1913	N14	E34	4288	08	24.3	80	2B	M 2.3	3	C	795		FE
	PALE	21	1757E	1800U	1901D	N15	E36	4288	08	24.5	64D	2B	M 2.3	3	C	510		UF
0347	HOLL	21	2055	2059	2122	N13	E32	4288	08	24.3	27	SN		3	C	74		F
		21	2352		2356	No Flare Patrol												
0348		22	0114E	0114U	0116	N15	E28	4288	08	24.2	2D	SN				102	1.2	EFJ
	VORO	22	0114E	0114U	0116	N14	E28	4288	08	24.2	2D	SN		C	0114	125	1.5	EJ
	CULG	22	0116E	0116U	0119D	N16	E29	4288	08	24.2	3D	SF		P	0116	80	.9	F
0349	KHAR	22	0811E		0818D	N01	E01		08	22.4	7D	SF		V	0811			H
0350	KHAR	22	0814E		0847D	S04	W30	4286A	08	20.1	33D	SF		V	0830			L
0351		22	10557	11023	1122D	N21	W55	4284	08	18.2	27D	SN				96	1.7	E
	KHAR	22	1055E		1122D	N20	W55	4284	08	18.2	27D	SF		P	1055	80	1.4	E
	CATA	22	1055	1105	1110D	N22	W54	4284	08	18.3	15D	S		1	C	1105	112	2.0
	KANZ	22	1102	1102	1102D	N20	W55	4284	08	18.2	15D	SN		2				
0352		22	1238	12452	1310	N15	E26	4288	08	24.5	32	SB	C 2.4			154	1.7	E
	RAMY	22	1238	1247	1309	N15	E23	4288	08	24.3	31	SB	C 2.4	3	C	165		E
	ATHN	22	1242E	1245	1310	N15	E30	4288	08	24.8	28D	SB	C 2.4	3	V	1245	143	1.7
0353	HOLL	22	1434	1436	1450	N13	E23	4288	08	24.3	16	SF		3	C	33		
0354		22	14443	1501	1524	N08	W74	4282	08	17.1	40	SF	C 1.9			25		
	HOLL	22	1444	1501	1525	N08	W75	4282	08	17.0	41	SF	C 1.9	3	C	28		
	RAMY	22	1447	1501	1523	N08	W74	4282	08	17.1	36	SF	C 1.9	3	C	22		
		22	1527		1531	No Flare Patrol												
0355	RAMY	22	1822	1828	1835	N18	W60	4284	08	18.2	13	SF		3	C	23		
		22	2129		2203	No Flare Patrol												
		22	2207		2214	No Flare Patrol												
		22	2216		2223	No Flare Patrol												
		22	2226		2232	No Flare Patrol												
		22	2234		2243	No Flare Patrol												
		22	2253		2315	No Flare Patrol												
		22	2320		2323	No Flare Patrol												
		22	2343		2346	No Flare Patrol												
		22	2348		2353	No Flare Patrol												
		23	0006		0012	No Flare Patrol												
		23	0022		0025	No Flare Patrol												
		23	0027		0030	No Flare Patrol												
		23	0102		0114	No Flare Patrol												
		23	0136		0140	No Flare Patrol												
0356	CULG	23	0444	0445	0451	N22	E22		08	24.9	7	SF		C	0445	30	.3	
0357	KHAR	23	1114E		1120D	S13	E47	4289	08	27.0	6D	SF		P	1114	70	1.1	
0358		23	1135	1140	1145	S04	W44		08	20.2	10	SF				40	.6	
	KHAR	23	1135E		1142D	S06	W44		08	20.2	7D	SF		P	1135	50	.7	
	CATA	23	1135	1140	1145	S03	W44		08	20.2	10	S		1	C	1140	29	.4

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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 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0359		23	23211	23243	2347	N19	W74	4284	08	18.3	26	1B	M	1.9			171		DEFHJ	
	YORO	23	2321	2327	2347	N21	W76	4284	08	18.1	26	1B	M	1.9	C	2327	143		DHJ	
	HOLL	23	2322	2324	2328D	N19	W71	4284	08	18.5	6D	2B	M	1.9	3	C	170		FE	
	CULG	23	2322	2327	2347	N18	W75	4284	08	18.3	25	1N	M	1.9	C	2327	200		F	
		24	0301		0306	No Flare Patrol														
0360	HTPR	24	0823	0826	0850	N14	W01	4288	08	24.3	27	SF			C	0826	20	.2	E	
0361	KHAR	24	0847E		0906D	S17	E90	4296	08	31.2	19D	SF		P	0847					
0362	HTPR	24	0937	0938	0942	N23	W68	4284	08	19.2	5	SF		C	0938	20	.4			
0363	KHAR	24	1052E		1108D	S13	E31	4289	08	26.8	16D	SF		P	1052				E	
		24	1201		1235	No Flare Patrol														
		24	1300		1417	No Flare Patrol														
		25	0402		0413	No Flare Patrol														
		25	0435		0519	No Flare Patrol														
0364		25	12572	1259	1306	S14	E64	4296	08	30.4	9	SB				1259	20	.4		
	HTPR	25	1257	1259	1311	S13	E62	4296	08	30.2	14	SB		C		20	.4			
	RAMY	25	1259	1259	1302	S14	E65	4296	08	30.4	3	SB	3	C		19				
0365		25	1259	12592	1310	S12	E72	4295	08	31.0	11	SB					24	.7		
	HOLL	25	1259	1259	1313	S12	E73	4295	08	31.0	14	SN		1	C		17			
	ATHN	25	1300E	1301	1308	S11	E71	4295	08	30.9	8D	SB		2	V	1301	32	.7		
		25	2016		2030	No Flare Patrol														
	25	2045		2105	No Flare Patrol															
	25	2201		2213	No Flare Patrol															
	25	2245		2303	No Flare Patrol															
	26	0258		0302	No Flare Patrol															
0366	HTPR	26	0809	0809	0815	S22	E46	4296	08	29.9	6	SF			C	0809	20	.3		
0367	HOLL	26	2131	2133	2148	S11	E38	4293	08	29.7	17	SF		3	C		32			
0368	CULG	26	2234E	2234U	2258	S11	E40	4296A	08	29.9	24D	SN		P	2234	150	1.9	F		
0369	CULG	27	0040E	0040U	0047	S11	W08	4289	08	26.4	7D	SF		P	0040	40	.4			
		27	0058		0105	No Flare Patrol														
		27	0111		0114	No Flare Patrol														
0370		27	01201	0125	0128	S11	W08	4289	08	26.4	8	SF					26	.3	EF	
	MANI	27	0120	0125	0128	S11	W08	4289	08	26.4	8	SF	1	V		25	.3			
	LEAR	27	0120	0125	0129	S11	W09	4289	08	26.4	9	SN	3	C		30		FE		
	PALE	27	0121	0125	0128	S11	W08	4289	08	26.4	7	SF	3	C		23				
0371		27	07358	0744*	0839	S10	E33	4296A	08	29.8	64	1B	C	2.2			257	3.4	FG	
	CATA	27	0735	0805	0845	S11	E32	4296A	08	29.7	70	1		2	C	0805	337	4.3		
	LEAR	27	0741	0744	0830	S10	E31	4296A	08	29.6	49	1N	C	2.2	3	C	243		F	
	ATHN	27	0743E	0746	0820	S09	E35	4296A	08	29.9	37D	1B	C	2.2	3	V	0746	223	2.9	
	MONT	27	0743	0746	0837	S11	E35	4296A	08	29.9	54	1B	C	2.2	C	0746	250			
	PURP	27	0744E	0744	0814D	S11	E33	4296A	08	29.8	30D	1B	C	2.2	C	0744	234	3.1	G	
	KANZ	27	0759E	0759U	0904	S10	E33	4296A	08	29.8	65D	1N	C	2.2	2					
0372		27	08568	08568	0904	S10	W14	4289	08	26.3	8	SF					32			
	LEAR	27	0856	0856	0859	S10	W14	4289	08	26.3	3	SF	3	C		32				
	KANZ	27	0904	0904	0908	S10	W13	4289	08	26.4	4	SF	2							
		27	1406		1411	No Flare Patrol														
		27	1656		1703	No Flare Patrol														
	27	1906		1932	No Flare Patrol															
	27	2059		2109	No Flare Patrol															
0373		27	2114E	2116	2122	S18	E31	4296	08	30.2	8D	SN					80	1.2	DJ	
	VORO	27	2114E	2116	2118	S18	E30	4296	08	30.2	4D	SB		C	2116	90	1.2	DJ		
	PALE	27	2116E	2117U	2125	S17	E32	4296	08	30.3	9D	SF	3	C		70				

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement			Remarks	
																Time (UT)	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
		28	0315		0328			No Flare Patrol												
0374		28	07133	07178	0748	S11	E19	4296A	08	29.7	35	1N					260	3.0	G	
	BUCA	28	0713	0717	0750	S11	E20	4296A	08	29.8	37	1N			C	0717	376	4.3		
	CATA	28	0715	0725	0740D	S12	E18	4296A	08	29.6	25D	1		2	P	0725	281	3.2		
	PURP	28	0716	0722	0746	S11	E18	4296A	08	29.6	30	SF			C	0722	124	1.4	G	
0375	ATHN	28	0731	0733	0742	S16	E23	4296	08	30.0	11	SN		3	V	0733	64	.8		
0376	KHAR	28	0800E		0808D	S11	W26	4289	08	26.4	8D	SF			P	0802				
0377	HOLL	28	1610	1614	1625D	S10	W28	4289	08	26.6	15D	SF		4	C		23		F	
		28	1917		1927	No Flare Patrol														
0378		29	0037*	0055*	0150	S12	W33	4289	08	26.5	73	SN	C 2.9				138	1.8	EFKUW	
	PEKG	29	0037	0056	0140	S12	W34	4289	08	26.5	63	SF			C	0056	118	1.6	EK	
	PEKG	29	0037	0115	0140	S12	W34	4289	08	26.5	63	1F			C	0115	176	2.4	U	
	PURP	29	0039	0100	0208	S13	W32	4289	08	26.6	89	SB			C	0100	113	1.5		
	CULG	29	0051	0055	0135	S13	W34	4289	08	26.5	44	SN			C	0055	140	1.7	FW	
	HOLL	29	0051	0056	0059D	S10	W32	4289	08	26.6	8D	SN		3	C		79		F	
	LEAR	29	0051	0115	0203	S12	W33	4289	08	26.5	72	SN	C 2.9	3	C		169		F	
	PALE	29	0053E	0115U	0151	S12	W33	4289	08	26.5	58D	SN	C 2.9	3	C		175		UF	
0379		29	04481	04504	0501	S20	E22	4300	08	30.9	13	1N					120	2.1	FHU	
	CULG	29	0448	0450	0504	S20	E23	4300	08	30.9	16	1N			C	0450	180	2.1	H	
	LEAR	29	0449	0454	0458	S20	E22	4300	08	30.9	9	SF		3	C		59		UF	
0380		29	09151	09251	0950	S09	E04	4293	08	29.7	35	SF					86	.9	EH	
	CATA	29	0915	0925	0950	S09	E04	4293	08	29.7	35	S		2	C	0925	112	1.2		
	KHAR	29	0916	0926	0950D	S09	E05	4293	08	29.8	34D	SF			P	0926	60	.6	EH	
	KHAR	29	0957E		1012D	S09	E04	4293	08	29.7	15D	SF			P				EH	
		29	1559		1611	No Flare Patrol														
		29	2007		2030	No Flare Patrol														
		29	2034		2037	No Flare Patrol														
0381	LEAR	30	0232	0237	0309	S12	W01	4293	08	30.0	37	SF		3	C		48			
0382	HTPR	30	0903	0916	0945	S10	W88		08	23.8	42	SF			C	0916	10			
0383	HTPR	30	1607	1609	1620	S10	W35	4302	08	28.0	13	SF			C	1609	10	.1		
		30	1843		1853	No Flare Patrol														
0384		30	1918	1926*	2048D	S10	W15	4293	08	29.7	90D	SN					66		FK	
	HOLL	30	1918	1926	2048D	S10	W15	4293	08	29.7	90D	SF		2	C		36		K	
	HOLL	30	1918	1938	2048D	S10	W15	4293	08	29.7	90D	SN		2	C		95		FK	
0385	HOLL	30	1926	1926	1935	S10	W56	4289	08	26.6	9	SF		3	C		16			
0386		30	19405	19471	1959	S13	W10	4296	08	30.1	19	SF	C 1.8				57			
	PALE	30	1940	1947	1957	S12	W13	4296	08	29.8	17	SF		3	C		114			
	HOLL	30	1944	1948	2048D	S12	W09	4296	08	30.1	64D	SF	C 1.8	2	C		27			
	PALE	30	1945	1948	2001	S16	W09	4296	08	30.1	16	SF	C 1.8	3	C		29			
		30	2011		2124	No Flare Patrol														
0387	PURP	31	0242E	0248	0251	S04	W08	4293	08	30.5	9D	SF			P	0248	48	.5	G	
0388	CULG	31	0309	0312	0320	S07	W11	4293	08	30.3	11	SF			C	0312	170	1.7	F	
0389	CULG	31	0328	0332	0355	S10	W47	4302	08	27.6	27	SF			C	0332	120	1.8	F	
0390	CULG	31	0518	0519	0523	S15	W66	4289	08	26.2	5	SF			C	0519	20			
0391	HTPR	31	0841	0847	0853	S10	W23	4293	08	29.6	12	SF			C	0847	20	.2		

H - ALPHA SOLAR FLARES

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Aug 83

AUGUST 1983

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 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0392	HTPR	31	0858	0902	0910	S11	W18	4293	08	30.0	12	SF			C	0902	30	.3	E
0393	KHAR	31	1036E		1055D	S09	W52	4302	08	27.5	19D	SF			V	1041			DH
		31	1222		1228			No Flare Patrol											
0394	HTPR	31	1457		1521D	S08	W52	4302	08	27.7	24D	SF			C	1507	10	.2	
		31	2117		2123			No Flare Patrol											
0395	PALE	31	2135	2136	2143	S09	W58	4302	08	27.5	8	SF		3	C		31		

"Remarks":

- |  |   |
|--|---|
| <p>A = Eruptive prominence whose base is less than 90° from central meridian.<br/>                 B = Probably the end of a more important flare.<br/>                 C = Invisible 10 minutes before.<br/>                 D = Brilliant point.<br/>                 E = Two or more brilliant points.<br/>                 F = Several eruptive centers.<br/>                 G = No visible spots in the neighborhood.<br/>                 H = Flare accompanied by high-speed dark filament.<br/>                 I = Active region very extended.<br/>                 J = Distinct variations of plage intensity before or after the flare.<br/>                 K = Several intensity maxima.<br/>                 L = Existing filaments show signs of sudden activity.<br/>                 M = White-light flare.<br/>                 N = Continuous spectrum shows effects of polarization.</p> | <p>O = Observations have been made in the H and K lines of Ca II.<br/>                 P = Flare shows helium D3 in emission.<br/>                 Q = Flare shows Balmer continuum in emission.<br/>                 R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.<br/>                 S = Brightness follows disappearance of filament in same position.<br/>                 T = Region active all day.<br/>                 U = Two bright branches, parallel or converging.<br/>                 V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.<br/>                 W = Great increase in area after time of maximum intensity.<br/>                 X = Unusually wide H-alpha line.<br/>                 Y = System of loop-type prominences.<br/>                 Z = Major sunspot umbra covered by flare.</p> |
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