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Jul 85

H - ALPHA SOLAR FLARES

JULY 1985

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0001	CULG	01	0203	0215	0235	S05	E58	4670	07	5.4	32	SN			C		70	1.4	
0002	CULG	01	0508	0512	0522	S04	E55	4670	07	5.3	14	SF			C		20	.4	D
0003	RAMY	01	1404	1405	1419	S13	E75	4674B	07	7.2	15	SF		3	C				
		01	1619		1629			No Flare Patrol											
		01	1717		1741			No Flare Patrol											
0004		01	17404	17413	1752	S06	E48	4670	07	5.3	12	SN					31		
	HOLL	01	1740	1741	1750	S06	E48	4670	07	5.3	10	SN		2	C		34		
	RAMY	01	1744	1744	1754	S07	E48	4670	07	5.3	10	SF		3	C		28		
		01	1810		1836			No Flare Patrol											
		01	1915		1953			No Flare Patrol											
		01	1959		2029			No Flare Patrol											
		01	2050		2108			No Flare Patrol											
0005	CULG	01	2245	2259	2311	S04	E45	4670	07	5.3	26	SF			C		60	.9	D
0006	PALE	02	0051E	0051U	0053	S09	E41	4670	07	5.1	2D	SF		2	C		29		
0007	LEAR	02	0426	0519	0545	S12	E69	4671	07	7.4	79	SF		3	C		54		
0008		02	0612*	0619*	0654	S12	E66	4671	07	7.2	42	SN					44	1.3	
	LEAR	02	0612	0619	0704	S12	E67	4671	07	7.3	52	SF		3	C		41		
	ATHN	02	0633	0636	0643	S13	E65	4671	07	7.2	10	SN		3	V	0636	48	1.3	
0009	KHAR	02	0730	0732	0738	S11	E69	4671	07	7.5	8	SF			V	0730			D
0010	HTPR	02	1014	1022	1038	S07	E40	4670	07	5.4	24	SN			C	1022	20	.3	
0011		02	11073	11129	1212	S14	E63	4671	07	7.2	65	SN	C 1.8				92	2.0	E
	HTPR	02	1107	1121	1205	S15	E61	4671	07	7.1	58	1B			C	1121	120	2.4	E
	ATHN	02	1110	1112	1220	S13	E64	4671	07	7.3	70	SN		3	V	1112	64	1.7	
	RAMY	02	1121E		1133D	S14	E63	4671	07	7.2	12D	SF	C 1.8	3	C				
0012		02	1651*	1701*	1728	S14	E59	4671	07	7.2	37	SN					66	1.4	EF
	RAMY	02	1651	1709	1723	S14	E60	4671	07	7.2	32	SF		3	C		80		
	HTPR	02	1657	1701	1735	S15	E59	4671	07	7.2	38	SB			C	1701	70	1.4	E
	KANZ	02	1659	1703	1728	S14	E61	4671	07	7.3	29	SN		2					
	HOLL	02	1703E	1703U	1725	S14	E57	4671	07	7.0	22D	SN		3	C		76		F
	PALE	02	1722	1722	1732	S15	E58	4671	07	7.1	10	SF		1	C		40		
		02	1858		1934			No Flare Patrol											
0013		02	2056	2116*	2310	S14	E57	4671	07	7.2	134	2B	M 4.5				328	5.2	EFK
	PALE	02	2056	2116	2310	S15	E56	4671	07	7.1	134	1N		3	C		218		K
	PALE	02	2056	2133U	2310	S15	E56	4671	07	7.1	134	2B	M 4.5	3	C		516		FEK
	CULG	02	2150E	2152	2347U	S13	E60	4671	07	7.4	117U	2B			P		250	5.2	E
		02	2124		2135			No Flare Patrol											
0014	CULG	03	0245	0248	0252	S15	E57	4671	07	7.4	7	SF			C		70	1.4	
0015	HTPR	03	0550E		0625	S13	E54	4671	07	7.3	35D	SF			C	0555	30	.5	E
0016	KANZ	03	0937	0945	0956	S12	E54	4671	07	7.5	19	SF		2					
0017		03	1403	1407	1424	S12	E54	4671	07	7.6	21	SF					20	.3	
	KANZ	03	1403	1407	1424	S13	E53	4671	07	7.6	21	SF		2					
	HTPR	03	1423E		1504D	S12	E55	4671	07	7.7	41D	SF			C	1423	20	.3	
0018		03	16125	1614*	1643	S14	E53	4671	07	7.7	31	SF					30	.5	E
	KANZ	03	1612	1614	1633	S16	E54	4671	07	7.8	21	SF		2					
	KANZ	03	1617	1625	1645	S13	E51	4671	07	7.5	28	SF		2					
	WEND	03	1617	1626	1650	S13	E54	4671	07	7.7	33	SN			C	1626	30	.5	E

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								USAF						Region	Mo	Day		(Min)	Opt
0019	RAMY	03	1844	1844	1856	S12	E50	4671	07	7.5	12	SF		3	C		37		
0020	LEAR	04	0213	0214	0219	S11	E46	4671	07	7.5	6	SF		3	C		27		F
0021	ABST	04	0716	0718	0721	S19	E42	4672	07	7.5	5	1F			C	0718	140	2.1	E
0022	HTPR	04	0759		0804D	S13	E43	4671	07	7.6	5D	SF			C	0801	30	.4	E
0023		04	0903	0913	0917	S12	E38	4671	07	7.2	14	SN					64	.9	F
	LEAR	04	0903	0913	0913D	S11	E38	4671	07	7.2	10D	SF		3	C		63		F
	ATHN	04	0910E	0914U	0917	S14	E38	4671	07	7.2	7D	SN		3	V	0914	64	.9	
0024	WEND	04	1212	1215	1240	S13	E40	4671	07	7.5	28	SF			C	1215	44	.6	
0025	RAMY	04	1213	1216	1235	S18	E39	4672	07	7.5	22	SF		3	C		35		F
0026		04	21107	21171	2120	S18	E34	4672	07	7.5	10	SN					32		
	HOLL	04	2110	2117	2120	S18	E35	4672	07	7.5	10	SN		3	C		42		
	PALE	04	2117	2118	2120	S19	E34	4672	07	7.5	3	SF		3	C		23		
		04	2322		2325	No Flare Patrol													
0027		05	0245*	03247	0339	S18	E30	4672	07	7.4	54	SN					36	.7	DF
	PEKG	05	0245	0324	0339	S19	E31	4672	07	7.5	54	SN			P	0324	50	.7	D
	LEAR	05	0329	0331	0339	S17	E30	4672	07	7.4	10	SF		3	C		22		F
0028	ABST	05	0504E	0510	0615D	S20	E30	4672	07	7.5	71D	SN			P	0510	87	1.1	D
0029	HTPR	05	0937	0939	0958	S20	E27	4672	07	7.5	21	SB			C	0939	90	1.0	EV
0030		05	11348	11442	1208	S19	E25	4672	07	7.4	34	SB					36	.4	E
	RAMY	05	1134	1144	1213	S18	E25	4672	07	7.4	39	SN		3	C		32		
	HTPR	05	1142	1146	1202	S20	E25	4672	07	7.4	20	SB			C	1146	40	.4	E
0031		05	13452	13494	1408	S19	E24	4672	07	7.4	23	SN					43	.3	
	HTPR	05	1345	1349	1405	S20	E24	4672	07	7.4	20	SB			C	1349	30	.3	
	RAMY	05	1347	1352	1410	S18	E24	4672	07	7.4	23	SN		3	C		57		
	HOLL	05	1352E	1353	1415D	S18	E24	4672	07	7.4	23D	SF		3	C		42		
0032		05	17035	17081	1714	S18	E23	4672	07	7.5	11	SF					23	.2	E
	HTPR	05	1703	1708	1717	S20	E23	4672	07	7.5	14	SF			C	1708	20	.2	E
	RAMY	05	1708	1709	1712	S17	E23	4672	07	7.5	4	SF		3	C		24		
	HOLL	05	1708	1711U	1713D	S17	E23	4672	07	7.5	5D	SF		3	C		24		
		05	2121		2125	No Flare Patrol													
0033		05	2300*	2426	2458	S11	E18	4671	07	7.3	118	SF					36		H
	PALE	05	2300		2523	S11	E19	4671	07	7.4	143	SF		1	C		33		
	LEAR	06	0022	0026	0033	S11	E16	4671	07	7.2	11	SF		3	C		40		H
0034	LEAR	06	0238	0248	0311	S11	E16	4671	07	7.3	33	SF	C 1.0	3	C		83		
0035		06	03452	03463	0356	S11	E15	4671	07	7.3	11	SF					42		EF
	LEAR	06	0345	0346	0353	S11	E13	4671	07	7.1	8	SF		3	C		27		F
	PALE	06	0347	0349	0359	S11	E17	4671	07	7.4	12	SF		2	C		58		E
0036	ABST	06	0504	0505U	0525D	S06	W13	4670	07	5.2	21D	SN			C	0505	174	1.9	E
0037	ABST	06	0516	0518	0535	S15	E14	4671	07	7.3	19	SN			C	0518	174	1.9	E
0038	HTPR	06	0916	0918	0927	S20	E13	4672	07	7.4	11	SN			C	0918	30	.3	E
0039	HTPR	06	1401	1407	1425	S14	E08	4671	07	7.2	24	SF			C	1407	10	.1	
0040	HTPR	06	1425	1428	1435	S19	E98		07	14.1	10	SF			C	1428	10		
0041		06	16443	16491	1659	S18	E09	4672	07	7.4	15	SF					30		
	PALE	06	1644	1649	1704	S20	E09	4672	07	7.4	20	SF		3	C		28		
	RAMY	06	1647	1650	1654	S16	E09	4672	07	7.4	7	SF		3	C		32		

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																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0042		06	1715*	1719*	1858	S18	E09	4672	07	7.4	103	SN					61	1.0	EFK
	HTPR	06	1715		1820D	S18	E09	4672	07	7.4	65D	SN				1732	100	1.0	E
	RAMY	06	1716	1719	1929	S18	E09	4672	07	7.4	133	SF		3	C		56		K
	RAMY	06	1716	1925	1929	S18	E09	4672	07	7.4	133	SN		3	C		96		K
	PALE	06	1724	1740	1750	S17	E09	4672	07	7.4	26	SF		3	C		28		E
	HOLL	06	1744E	1744U	1826	S21	E09	4672	07	7.4	42D	SF		3	C		63		F
	PALE	06	1834	1838	1851	S17	E08	4672	07	7.4	17	SF		3	C		34		
	HOLL	06	1922	1924	1927D	S20	E08	4672	07	7.4	5D	SN		3	C		60		F
	PALE	06	1923	1923	1943	S19	E09	4672	07	7.5	20	SB		3	C		51		E
0043	PALE	06	1946	1952	2004	S20	E08	4672	07	7.4	18	SF		3	C		28		
		06	2058		2105	No Flare Patrol													
0044		07	0012	0013	0018	S17	E06	4672	07	7.5	6	1F	C 1.3				148	2.3	EFJKT
	VORO	06	2247E	2319U	2328D	S17	E07	4672	07	7.5	41D	1F			C	2319	224	2.5	EFJKT
	VORO	07	0000E	0013U	0023D	S17	E06	4672	07	7.4	23D	1F			C	0013	188	2.1	EJKT
	LEAR	07	0012	0013	0018	S16	E05	4672	07	7.4	6	SF	C 1.3	3	C		33		F
0045		07	0040E	0043U	0109D	S16	E04	4671	07	7.3	29D	SN					148	1.6	DJT
	VORO	07	0040E	0043U	0053D	S16	E06	4671	07	7.5	13D	SN			C	0043	143	1.5	DJT
	VORO	07	0100E	0102U	0109D	S15	E03	4671	07	7.3	9D	SN			C	0102	152	1.6	DJT
0046	PALE	07	0049	0050	0100	S20	E05	4672	07	7.4	11	SF		2	C		26		E
0047		07	05261	05272	0537	S15	E00	4671	07	7.2	11	SN	C 3.0				211	2.8	EF
	LEAR	07	0526	0527	0535	S13	E00	4671	07	7.2	9	SN	C 3.0	3	C		124		F
	ABST	07	0526	0527	0540	S15	W01	4671	07	7.1	14	SF			C	0527	174	1.9	E
	PEKG	07	0527	0529	0535	S16	E01	4671	07	7.3	8	1B	C 3.0		C	0529	336	3.7	E
		07	0913		0949	No Flare Patrol													
		07	0956		1133	No Flare Patrol													
		07	1151		1159	No Flare Patrol													
		07	1214		1218	No Flare Patrol													
0048		07	1700	1747	1812	S22	W03	4672	07	7.5	72	SN					98		EF
	PALE	07	1700	1747	1820	S21	W03	4672	07	7.5	80	SF		3	C		69		E
	HOLL	07	1735E	1735U	1804	S22	W03	4672	07	7.5	29D	SN		3	C		127		F
		07	2229		2245	No Flare Patrol													
0049		08	0400	0400	0426	S14	W12	4671	07	7.2	26	1N					180	3.7	EF
	TACH	08	0359E	0413U	0506D	S15	W12	4671	07	7.2	67D	1N			C	0413	336	3.7	E
	LEAR	08	0400	0400	0426	S14	W12	4671	07	7.2	26	SN		3	C		23		F
0050		08	0410	04084	0455	S17	W12	4672	07	7.3	45	SN					83	1.5	E
	ABST	08	0402E	0408	0455	S17	W13	4672	07	7.2	53D	SB			P	0408	131	1.5	E
	PALE	08	0410	0412	0421D	S17	W11	4672	07	7.3	11D	SF		2	C		35		
0051	ABST	08	0500	0606	0625	S17	W13	4672	07	7.2	85	SN			C	0606	114	1.3	E
0052	LEAR	08	0521	0521	0523	S21	W10	4672	07	7.4	2	SF		3	C		23		
0053		08	0548	06021	0614	S14	W13	4671	07	7.2	26	SN					81	1.2	E
	TACH	08	0535E	0552U	0613D	S15	W13	4671	07	7.2	38D	1N			C	0552	184	2.1	E
	LEAR	08	0548	0603	0611	S14	W13	4671	07	7.2	23	SF		3	C		26		
	ATHN	08	0600E	0602	0618	S12	W12	4671	07	7.3	18D	SN		3	V	0602	32	.4	
0054	HTPR	08	0722E		0815	S15	W17	4671	07	7.0	53D	SN			C	0748	120	1.2	E
0055		08	0850	0850	0902	S12	W14	4671	07	7.3	12	SN	C 1.2				44	.7	
	LEAR	08	0850	0850	0859	S11	W14	4671	07	7.3	9	SN	C 1.2	3	C		25		
	ATHN	08	0851E	0851U	0906	S12	W13	4671	07	7.4	15D	SN		2	V	0851	64	.7	
0056	ATHN	08	0954	0955	1013	S15	W14	4671	07	7.3	19	SN		2	V	0955	64	.7	
0057	KANZ	08	0955	1000	1011	S22	W16	4672	07	7.2	16	SN		2					

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								USAF						Region	Mo	Day		(Min)	Opt
0058		08	11232	11241	1136	S12 W14	4671	07	7.4	13	SN					48	.5		
	ATHN	08	1123	1124	1136	S14 W16	4671	07	7.3	13	SN		2	V	1124	48	.5		
	KANZ	08	1125	1125	1135	S11 W13	4671	07	7.5	10	SF		2						
		08	1401		1402	No Flare Patrol													
		08	1410		1426	No Flare Patrol													
		08	1434		1508	No Flare Patrol													
0059	PALE	08	1715	1716	1721	S09 W31	4674	07	6.4	6	SF		3	C		20			
		08	2014		2018	No Flare Patrol													
		08	2032		2043	No Flare Patrol													
		08	2125		2129	No Flare Patrol													
		08	2134		2216	No Flare Patrol													
		08	2220		2229	No Flare Patrol													
0060	PALE	08	2303	2303	2313	S09 W35	4674	07	6.3	10	SF		3	C		39		E	
0061	PALE	08	2322	2322	2329	S16 W21	4671	07	7.4	7	SF		3	C		72			
0062	MANI	09	0123E		0129D	S05 W40	4674	07	6.1	6D	SN		2	P		71	.8		
0063		09	0133*	0140*	0344	S13 W25	4671	07	7.2	131	1N					327	5.8	DEFIKTUZ	
	MANI	09	0123E		0129D	S13 W27	4671	07	7.0	6D	1N		2	P		220	2.3	E	
	PURP	09	0128E	0219	0352	S13 W27	4671	07	7.0	144D	2N			C	0219	704	8.5		
	MITK	09	0133	0159	0312	S13 W25	4671	07	7.2	99	2B			C	0159	450	5.3	FU	
	LEAR	09	0136	0140	0154D	S11 W25	4671	07	7.2	180	SN		3	C		86		K	
	LEAR	09	0136	0154U	0154D	S11 W25	4671	07	7.2	180	1B		3	C		239		ZUK	
	PALE	09	0147	0147	0156D	S16 W22	4671	07	7.4	9D	1B		3	C		176			
	LEAR	09	0305	0305	0312	S13 W25	4671	07	7.2	7	SN		3	C		32		F	
	TACH	09	0310E	0324U	0533D	S11 W30	4671	07	6.9	143D	2N			C	0324	954	11.9	EIT	
	ABST	09	0428	0430	0438	S15 W24	4671	07	7.4	10	SN			C	0430	87	1.0	D	
0064	HTPR	09	0526E		0530	S17 W28	4672	07	7.1	4D	SN			C	0526	50	.6		
0065	KHAR	09	0624E	0624U	0629	S22 W27	4672	07	7.2	5D	SN			V	0624			D	
0066		09	0806E	08132	0832	N04 E00	4676	07	9.3	26	SN	C	1.9			66	.7	EF	
	HTPR	09	0806		0827D	N04 E01	4676	07	9.4	21D	SB			C	0811	40	.4	E	
	KHAR	09	0806E		0834D	N03 W01	4676	07	9.3	28D	SN			V	0810	120	1.2		
	PURP	09	0807E	0813	0832D	N03 E01	4676	07	9.4	25D	SN			C	0813	75	.8	E	
	LEAR	09	0808	0814	0831	N05 E00	4676	07	9.3	23	SN	C	1.9	3	C	48		F	
	KANZ	09	0810	0813	0817D	N03 E00	4676	07	9.3	7D	SF			2					
	ATHN	09	0812	0815	0832	N03 E01	4676	07	9.4	20	SN			3	V	0815	48	.5	
0067	HTPR	09	0843	0846	0857	S19 W30	4672	07	7.1	14	SB			C	0846	20	.2	E	
0068		09	11052	11082	1116	S19 W32	4672	07	7.0	11	1N					197	2.6		
	CATA	09	1105	1108	1120D	S19 W32	4672	07	7.0	15D	1N			2	P	1108	197	2.6	
	KANZ	09	1107	1110	1116	S19 W33	4672	07	6.9	9	SF			2					
0069	KANZ	09	1235	1239	1243	N05 E00	4675	07	9.5	8	SF			2					
0070		09	1652	1651	1712	S18 W34	4672	07	7.1	20	SB	C	3.6			60		FH	
	PALE	09	1646E	1651	1707	S19 W35	4672	07	7.0	21D	SB	C	3.6	3	C	70			
	HOLL	09	1652	1652U	1718	S18 W33	4672	07	7.2	26	SB	C	3.6	3	C	51		FH	
0071	PALE	09	1910	1910	1916	S15 W33	4671	07	7.3	6	SF			3	C	42			
0072	HOLL	09	2013	2019	2035	S18 W34	4672	07	7.2	22	SF			3	C	38		F	
0073	PALE	09	2019	2020	2020D	S15 W34	4671	07	7.3	1D	SF			3	C	59			
0074	CULG	09	2345	2349	2404	S17 W35	4672	07	7.3	19	SN				C	90	1.2	EV	
0075	CULG	10	0030	0031	0035	S20 W38	4671	07	7.1	5	SF				C	40	.6	DV	
0076	LEAR	10	0156	0200	0207	S06 W51	4674	07	6.3	11	SF			3	C	34			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0077		10	0339	0339	0344	S15	W38	4671	07	7.3	5	SN					20		
	LEAR	10	0339	0339	0344	S14	W38	4671	07	7.3	5	SN	3	C			21		
	PALE	10	0339	0340	0343	S16	W37	4671	07	7.3	4	SF	3	C			19		
0078	LEAR	10	0653	0655	0700	S14	W40	4671	07	7.3	7	SF	3	C			28		F
0079	HTPR	10	0746E		0806D	N03	W17	4676	07	9.0	20D	SF		C	0753		10	.1	
0080		10	0858.1	09003	0914	S16	W42	4671	07	7.2	16	SN					27	.4	E
	HTPR	10	0804E		0913	S16	W42	4671	07	7.1	69D	SN		C	0806		20	.3	E
	HTPR	10	0858	0900	0915	S19	W46	4671	07	6.9	17	SB		C	0900		30	.4	E
	ATHN	10	0859	0903	0914	S12	W38	4671	07	7.5	15	SN	2	V	0903		32	.4	
0081	HTPR	10	0844	0848	0854	S08	W56	4674	07	6.2	10	SN		C	0848		80	1.4	E
0082	ATHN	10	0902	0905	0921	S15	W53	4671	07	6.4	19	SN	2	V	0905		48	.8	
0083	HTPR	10	1015	1024	1033	S16	W45	4671	07	7.0	18	SB		C	1024		60	.9	E
0084		10	1043	1047	1049	S08	W56	4674	07	6.2	6	SN					78	1.5	DE
	HTPR	10	1043	1047	1049	S08	W57	4674	07	6.2	6	SN		C	1047		70	1.3	E
	ABST	10	1048E	1050U	1102D	S07	W55	4674	07	6.3	14D	SN		P	1050		87	1.7	D
0085	HTPR	10	1125	1315	1340	S08	W58	4674	07	6.1	135	SF		C	1315		60	1.2	E
0086	HTPR	10	1250	1250	1259	S19	W47	4671	07	6.9	9	SN		C	1250		10	.1	
0087	HTPR	10	1409	1413	1425	S17	W45	4671	07	7.2	16	SN		C	1413		20	.3	
0088	HTPR	10	1437	1438	1447	N05	W13	4675	07	9.6	10	SF		C	1438		30	.3	E
0089		10	16462	16473	1704	S12	W44	4671	07	7.4	18	SB					52	.8	EF
	HTPR	10	1646	1647	1702	S12	W44	4671	07	7.4	16	SB		C	1647		60	.8	E
	PALE	10	1648	1650	1706	S11	W45	4671	07	7.3	18	SN	2	C			45		F
0090		10	1711*	17177	1725	S08	W59	4674	07	6.3	14	SF	C 1.1				26		
	PALE	10	1711	1717	1723	S08	W60	4674	07	6.2	12	SF		3	C		35		
	RAMY	10	1713	1717	1721	S09	W58	4674	07	6.4	8	SF		3	C		27		
	RAMY	10	1722	1724	1730	S08	W59	4674	07	6.3	8	SF	C 1.1	3	C		17		
		10	1951		1957	No Flare Patrol													
0091	PALE	10	2033E	2040U	2050	S17	W47	4671	07	7.3	17D	SN	3	C			19		
		10	2053		2106	No Flare Patrol													
0092	PALE	10	2108	2117	2124	S17	W47	4671	07	7.3	16	SF	3	C			26		
		10	2129		2133	No Flare Patrol													
0093	PALE	10	2231	2232	2234	S16	W48	4671	07	7.3	3	SN	3	C			24		
0094	CULG	10	2232	2250	2301	N02	W23	4676	07	9.2	29	SF		C			40	.4	D
0095	LEAR	11	0250	0250	0259	S14	W50	4671	07	7.3	9	SF	3	C			18		
0096	LEAR	11	0325	0327	0346	S13	W51	4671	07	7.3	21	SF	3	C			24		F
0097	LEAR	11	0332	0333	0340	S07	W64	4674	07	6.3	8	SF	3	C			39		
0098	LEAR	11	0507	0509	0518	S05	W66	4674	07	6.3	11	SF	3	C			19		F
0099		11	06398	06436	0652	S08	W68	4674	07	6.2	13	SF					29	1.2	EFH
	LEAR	11	0639	0643	0645	S05	W66	4674	07	6.3	6	SF	3	C			12		F
	KHAR	11	0642	0646	0658	S12	W70	4674	07	6.0	16	SN		V	0646				EH
	LEAR	11	0646	0647	0653	S07	W68	4674	07	6.2	7	SF	3	C			25		
	HTPR	11	0647	0649	0652	S10	W69	4674	07	6.1	5	SF		C	0649		50	1.2	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0100	KHAR	11	0720		0730	S09	W64	4674	07	6.5	10	SF			V	0720			D
0101		11	0746	07482	0754	S07	W63	4674	07	6.6	8	SF					32	.6	H
	KHAR	11	0744E	0748U	0755	S09	W64	4674	07	6.5	11D	SF			V	0748			H
	LEAR	11	0746	0748	0754	S05	W65	4674	07	6.5	8	SF		3	C		31		
	KANZ	11	0746	0750	0754	S07	W64	4674	07	6.5	8	SF		2					
	ATHN	11	0746	0750	0755	S06	W60	4674	07	6.8	9	SF		3	V	0750	32	.6	
0102	HTPR	11	0936E		0940	S08	W66	4674	07	6.4	4D	SF			C	0937	20	.5	
0103	HTPR	11	1148	1151	1155	S08	W67	4674	07	6.5	7	SN			C	1151	20	.5	
0104	HTPR	11	1309	1329	1330	S18	W54	4671	07	7.4	21	SF			C	1329	20	.3	E
0105		11	1345	13463	1410	S17	W58	4671	07	7.2	25	SB	C 5.1				55	1.0	E
	RAMY	11	1345	1346	1410	S18	W59	4671	07	7.1	25	SN	C 5.1	3	C		40		
	HTPR	11	1345	1349	1410	S16	W56	4671	07	7.3	25	SB			C	1349	70	1.0	E
0106	HTPR	11	1433	1436	1437	S13	W57	4671	07	7.3	4	SF			C	1436	10	.2	
		11	1923		1944	No Flare Patrol													
		11	2000		2019	No Flare Patrol													
		11	2028		2101	No Flare Patrol													
0107	LEAR	12	0235	0235	0244	S13	W65	4671	07	7.2	9	SF		3	C		15		
0108		12	0501*	0530*	0630	S16	W66	4671	07	7.2	89	SN					88		EFK
	CULG	12	0501	0534	0625	S20	W64	4671	07	7.3	84	SN			C		70		E
	LEAR	12	0502	0533	0635	S14	W66	4671	07	7.2	93	SN		3	C		95		F K
	LEAR	12	0502	0617	0635	S14	W66	4671	07	7.2	93	SN		3	C		24		K
	PURP	12	0517	0530	0615D	S20	W69	4671	07	6.9	58D	1N			C	0530	163		E
	KANZ	12	0519E	0530	0625	S18	W63	4671	07	7.4	66D	SF		1					
	KHAR	12	0540E		0650D	S11	W67	4671	07	7.2	70D	1N			V	0545			E
0109	KHAR	12	0618		0650D	S08	W68	4674	07	7.2	32D	SN			V	0618			D
0110	LEAR	12	0734	0738	0749	S15	W67	4671	07	7.2	15	SF		3	C		22		
		12	1954		2044	No Flare Patrol													
0111		13	05131	05172	0526	S18	W84	4671	07	6.8	13	SF					19		D
	CULG	13	0513	0517	0529	S20	W90	4671	07	6.3	16	SF			C				D
	LEAR	13	0514	0519	0523	S15	W78	4671	07	7.3	9	SF		3	C		19		
0112		13	05419	0542*	0600	S16	W83	4671	07	6.9	19	SF					25		
	LEAR	13	0541	0542	0546	S14	W79	4671	07	7.3	5	SF		3	C		29		
	LEAR	13	0550	0551	0610	S14	W79	4671	07	7.3	20	SN		3	C		21		
	CULG	13	0550	0557	0605	S20	W90	4671	07	6.3	15	SF			C				
0113		13	06481	06482	0652	S17	W86	4671	07	6.7	4	SN					29		
	CULG	13	0648	0648	0652	S20	W90	4671	07	6.4	4	SF			C				
	LEAR	13	0649	0650	0653	S14	W81	4671	07	7.2	4	SN		3	C		29		
0114		13	08171	0821	0824	S19	W88	4671	07	6.6	7	SN					20		DE
	HTPR	13	0817	0821	0824	S18	W90	4671	07	6.5	7	SN			C	0821	20		E
	KHAR	13	0818	0819U	0825	S20	W85	4671	07	6.8	7	SN			V	0819			D
0115		13	0837*	0840*	0904	S16	W85	4671	07	6.9	27	SB					42	1.6	DHKOV
	KHAR	13	0837	0840	0919	S16	W88	4671	07	6.7	42	SF			P	0857			DHKO
	HTPR	13	0847	0849	0905	S18	W90	4671	07	6.5	18	SB			C	0849	40		
	ATHN	13	0849	0850	0858	S15	W78	4671	07	7.5	9	SB		1	V	0850	32	1.6	
	LEAR	13	0849	0850	0858	S15	W78	4671	07	7.5	9	SB		3	C		40		
	CATA	13	0850	0850	0900	S16	W90	4671	07	6.5	10	1B		2	C	0850	56		
	KHAR	13	0850	0852U	0903D	S19	W85	4671	07	6.9	13D	SB			V	0852			DV
0116		13	10358	1037U	1046	S18	W89	4671	07	6.7	11	SF							DH
	KHAR	13	1035	1037U	1042	S19	W88	4671	07	6.7	7	SF			V	1037			D
	KHAR	13	1043		1050	S16	W90	4671	07	6.6	7	SF			V	1043			DH

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0117	HTPR	13	1712	1715	1719	S18	W90	4671	07	6.9	7	SF			C	1715	10		
0118		13	18422	18441	1850	S15	W87	4671	07	7.2	8	SN					40		
	RAMY	13	1842	1845	1853	S17	W84	4671	07	7.4	11	SN		3	C		60		
	PALE	13	1844	1844	1848	S13	W90	4671	07	7.0	4	SN		3	C		21		
		13	2051		2059	No Flare Patrol													
0119	CATA	14	0520	0520	0530	S15	W90	4671	07	7.4	10	SF		2	C	0520	28		
0120	HTPR	15	1002	1005	1011	N02	W82	4676	07	9.3	9	SF			C	1005	10		
		15	1319		1414	No Flare Patrol													
		15	1811		1909	No Flare Patrol													
		15	1924		1934	No Flare Patrol													
0121	KHAR	16	0632	0632U	0639D	S12	E86	4677	07	22.7	7D	SF			V	0632			D
0122	KHAR	17	1050E		1054	S12	E66	4677	07	22.4	4D	SF			V	1050			D
		17	2111		2231	No Flare Patrol													
		17	2253		2257	No Flare Patrol													
0123		18	06351	06362	0652	S18	E51	4677	07	22.1	17	SF					27	.5	DV
	ABST	18	0635	0636	0652	S18	E52	4677	07	22.2	17	SF			C	0636	44	.8	DV
	HTPR	18	0636	0638	0653	S18	E50	4677	07	22.1	17	SF			C	0638	10	.2	
		19	1911		1917	No Flare Patrol													
		19	1935		1953	No Flare Patrol													
		19	2040		2048	No Flare Patrol													
		19	2059		2120	No Flare Patrol													
		19	2122		2128	No Flare Patrol													
0124	HTPR	20	0531	0532	0538	S15	E22	4677	07	21.9	7	SF			C	0532	30	.3	E
0125	HTPR	20	0831	0834	0843	S14	E20	4677	07	21.9	12	SN			C	0834	20	.2	E
		20	2046		2106	No Flare Patrol													
		20	2120		2146	No Flare Patrol													
0126	CULG	21	0317	0329	0412	S15	E16	4677	07	22.3	55	SN			C		50	.6	D
0127	KHAR	21	0932	0934	0940	S15	E13	4677	07	22.4	8	SF			V	0934			D
0128	KHAR	22	0753		0758	S13	E62	4678	07	27.0	5	SF			V	0754			D
0129	KHAR	22	0840		1000D	S14	E62	4678	07	27.0	80D	1F			V	0952			CL
0130	KHAR	22	1105E	1110U	1130	S14	E61	4678	07	27.1	25D	SF			V	1110			D
0131	KHAR	22	1138	1140	1150	S14	E61	4678	07	27.1	12	SF			V	1140			D
		23	1941		2058	No Flare Patrol													
		24	1714		1724	No Flare Patrol													
		25	1428		1509	No Flare Patrol													
		25	1626		1629	No Flare Patrol													
		25	2239		2252	No Flare Patrol													
0132	ABST	26	0450	0455	0501	N03	W09	4679	07	25.5	11	SF			C	0455	87	.9	E
0133	KHAR	26	0743E	0744	0750	N18	E90		08	2.2	7D	SF			V	0744			DH
0134	KHAR	26	0743E		0750	S13	E08	4678	07	26.9	7D	SF			V	0743			D
0135		26	0805*	0806*	0821	N06	E90	4680	08	2.1	16	SF							DH
	KHAR	26	0805	0806	0817	N06	E90	4680	08	2.1	12	SF			V	0806			DH
	KHAR	26	0819	0821	0825	N07	E90	4680	08	2.1	6	SF			V	0821			D

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	CMP Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0136	KHAR	26	0815E	0818	0825	S07	E90	4681	08	2.1	10D	SN			V	0818			D
0137	KHAR	26	1050E	1050U	1056	N07	E90	4680	08	2.2	6D	SF			V	1050			DH
		26	1825		1831			No Flare Patrol											
		26	1839		1921			No Flare Patrol											
		26	2004		2006			No Flare Patrol											
		26	2012		2058			No Flare Patrol											
		26	2341		2354			No Flare Patrol											
		26	2358		2400			No Flare Patrol											
		27	0000		0008			No Flare Patrol											
0138	CULG	27	0224E		0311	N07	E90	4680	08	2.8	47D	SF			P				
		27	1331		1800			No Flare Patrol											
		27	1824		1839			No Flare Patrol											
		27	1915		1923			No Flare Patrol											
		27	1934		1946			No Flare Patrol											
0139	KHAR	28	0802E	0806	0810	S08	E65	4681	08	2.2	8D	SF			V	0806			D
0140	KHAR	28	0831	0832	0836	N02	W38		07	25.5	5	SF			V	0832			D
0141	KHAR	28	0836	0837	0850	S15	E86	4682	08	3.9	14	SN			V	0837	50		D
0142	KHAR	28	0858	0905U	0908D	N07	E67	4680	08	2.4	10D	SN			V	0905	40		DL
0143	KHAR	28	0930E		0940	S07	W56	4677A	07	24.2	10D	SF			V	0930			D
0144	CATA	28	1007E	1007	1011D	S23	E90		08	4.3	4D	2N	2	P		1007	225		A
0145	ATHN	28	1022	1024	1037	S16	E78	4682	08	3.3	15	SN	3	V		1024	32	1.3	
		28	1504		1505			No Flare Patrol											
		28	1511		1527			No Flare Patrol											
0146		28	2312I	23132	2334	N07	E59	4680	08	2.4	22	1N C	1.3				138	5.5	FHV
	PALE	28	2312	2313	2342	N06	E63	4680	08	2.7	30	SF C	1.3	3	C		51		
	HOLL	28	2312	2315	2328	N08	E58	4680	08	2.3	16	SN C	1.3	3	C		63		FH
	CULG	28	2313	2313	2333	N08	E57	4680	08	2.2	20	2B			C		300	5.5	V
0147	ABST	29	0514	0520	0529	S07	W69	4677A	07	24.0	15	SF			C	0520	87		DT
0148		29	0607I	0608I	0618	N08	E50	4680	08	2.0	11	SN					26	.4	DV
	CULG	29	0607	0609	0625	N09	E48	4680	08	1.8	18	SB			C		20	.3	DV
	ATHN	29	0608	0608	0615	N07	E47	4680	08	1.8	7	SN	3	V		0608	32	.5	
	LEAR	29	0608	0609	0614	N09	E56	4680	08	2.4	6	SN	3	C			26		
0149	LEAR	29	0718	0728	0729	S04	W68	4677A	07	24.2	11	SF	3	C			15		
0150	ABST	29	0750E	0754U	0800D	S07	W69	4677A	07	24.1	10D	SF			P	0754	87		DT
0151		29	0902I	0903I	0910	S18	E62	4682	08	3.1	8	SN					18	.5	
	ATHN	29	0902	0903	0912	S19	E64	4682	08	3.3	10	SN	3	V		0903	19	.5	
	LEAR	29	0903	0904	0908	S17	E60	4682	08	2.9	5	SF	3	C			18		
		29	1320		1326			No Flare Patrol											
0152		29	1559	1602U	1637	S18	E60	4682	08	3.2	38	1N C	2.1				105		F
	RAMY	29	1559	1602U	1635	S17	E60	4682	08	3.2	36	1N C	2.1	3	C		172		F
	HOLL	29	1625E	1626U	1639	S18	E60	4682	08	3.2	14D	SN		3	C		38		F
0153		29	2130	21313	2141	N07	E42	4680	08	2.0	11	SF					71	1.7	EV
	PALE	29	2130	2131	2136	N09	E45	4680	08	2.3	6	SF	3	C			39		
	CULG	29	2130	2131	2143	N05	E40	4680	08	1.9	13	SF			C		130	1.7	EV
	RAMY	29	2130	2134	2144	N06	E40	4680	08	1.9	14	SF	3	C			44		
0154		30	0516	05152	0524	N06	E42	4680	08	2.4	8	SN					80	1.1	D
	PURP	30	0514E	0515	0523	N05	E42	4680	08	2.3	9D	SN			C	0515	115	1.6	D
	ABST	30	0516	0517	0524	N06	E43	4680	08	2.4	8	SF			C	0517	44	.6	D

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Jul 85

H - ALPHA SOLAR FLARES

JULY 1985

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0155	30	05306	05389	0558	S18	E52	4682A	08	3.2	28	1N						110	2.5	EF
	CULG	30	0530	0539	0557	S17	E52	4682A	08	3.2	27	1F			C		130	2.5	E
	ABST	30	0533	0538	0556	S17	E53	4682A	08	3.2	23	1N			C	0538	131	2.4	E
	MITK	30	0536	0541	0556	S19	E52	4682A	08	3.2	20	SN			C	0541			E
	PURP	30	0536E	0547	0605	S19	E52	4682A	08	3.2	29D	1B			C	0547	130	2.5	E
	LEAR	30	0546E		0546D	S18	E51	4682A	08	3.1	29D	SF	1		C		51		F
0156	30	07405	07454	0754	N06	E32	4680	08	1.7	14	SN						112	1.4	DEH
	CATA	30	0740	0745	0755	N05	E31	4680	08	1.6	15	SN		1	C	0745	140	1.7	H
	KHAR	30	0743E		0753	N06	E32	4680	08	1.7	10D	SF			V	0743	120	1.4	DH
	ABST	30	0744	0749	0752D	N06	E34	4680	08	1.9	8D	SN			P	0749	123	1.5	E
	ATHN	30	0745	0748	0755	N06	E33	4680	08	1.8	10	SB		2	V	0748	64	.8	
0157	30	0810	08111	0818	N06	E34	4680	08	1.9	8	SN						81	1.0	DEH
	PURP	30	0807E	0812	0820	N04	E35	4680	08	1.9	13D	SB			C	0812	81	1.0	E
	ISTA	30	0810E		0818	N07	E34	4680	08	1.9	8D	SN							D
	KHAR	30	0810	0811	0815	N06	E32	4680	08	1.7	5	SF			V	0811			DH
0158	KHAR	30	0934		0938	S07	W87		07	23.9	4	SF			V	0934			D
0159	KHAR	30	0955E		1000	S07	W87		07	23.9	5D	SF			V				DH
0160	KHAR	30	1009	1010	1015	S06	E36	4681	08	2.1	6	SF			V	1010			D
0161	KHAR	30	1023E		1030	S08	E32	4681	08	1.8	7D	SF			V	1023			D
0162	RAMY	30	1111	1116	1126	S19	E49	4682A	08	3.2	15	1F	3		C		173		
0163	CATA	30	1125	1125	1130	N04	E31	4680	08	1.8	5	SF	2		C	1125	112	1.4	
0164	RAMY	30	1310	1311	1330	N05	E38	4680	08	2.4	20	SF	3		C		23		F
	30	2009		2013	No Flare Patrol														
0165	CULG	30	2336	2339	2346	N09	E40	4680A	08	3.0	10	SF			C		70	.9	D
0166	CULG	31	0113	0114	0119	N06	E23	4680	08	1.8	6	SF			C		80	.9	EV
0167	CULG	31	0159	0215	0224	N06	E23	4680	08	1.8	25	SF			C		40	.4	DH
0168	31	03316	03372	0349	N05	E23	4680	08	1.9	18	SN						71	.8	DEV
	CULG	31	0331	0337	0349	N06	E23	4680	08	1.9	18	SN			C		100	1.1	EV
	PEKG	31	0337	0339	0346	N05	E23	4680	08	1.9	9	SN			C	0339	42	.5	D
	MITK	31	0338E		0352	N05	E23	4680	08	1.9	14D	SN			P	0338			D
0169	CULG	31	0427	0430	0438	N07	E22	4680	08	1.8	11	SN			C		60	.7	E
0170	31	05342	05362	0555	N06	E22	4680	08	1.9	21	SN						120	1.3	EV
	CULG	31	0534	0537	0556	N07	E22	4680	08	1.9	22	SB			C		100	1.1	E
	ABST	31	0536	0536	0554	N06	E23	4680	08	1.9	18	SN			C	0536	140	1.5	EV
	MITK	31	0536	0538	0555	N06	E22	4680	08	1.9	19	SN			C	0538			E
0171	31	06351	06382	0702	N06	E22	4680	08	1.9	27	SN						94	1.0	E
	ABST	31	0635	0638	0656D	N06	E23	4680	08	2.0	21D	SN			P	0638	148	1.6	E
	CULG	31	0636	0639	0658	N07	E21	4680	08	1.8	22	SN			C		50	.6	E
	CATA	31	0640E	0640	0705	N05	E21	4680	08	1.8	25D	SF	2		P	0640	84	.9	
0172	31	0720	07232	0733	N06	E22	4680	08	1.9	13	SN						122	1.3	E
	ABST	31	0720	0723	0733	N06	E23	4680	08	2.0	13	SN			C	0723	131	1.4	E
	BUCA	31	0720	0724	0733	N06	E21	4680	08	1.9	13	SN			C	0724	107	1.2	
	ATHN	31	0722E	0725	0734	N06	E21	4680	08	1.9	12D	SB	3		V	0725	127	1.4	
0173	RAMY	31	1104	1109	1121	N05	E19	4680	08	1.9	17	SF	3		C		20		F
0174	RAMY	31	1137	1141	1147	N05	E19	4680	08	1.9	10	SF	3		C		22		F
0175	RAMY	31	1201	1202	1208	N10	E24	4680	08	2.3	7	SF	3		C		23		F
0176	CULG	31	2255	2300	2310	S10	E29	4682	08	3.1	15	SF			C		80	1.0	E
0177	CULG	31	2338	2343	2400	N04	E20	4680	08	2.5	22	SF			C		80	.8	E