

H - ALPHA SOLAR FLARES

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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
																	(10-6 Disk)	(Sq Deg)	
0012	RAMY	10	1827	1829	1836	N16	E06	4592	11	11.2	9	SF		3	C		30		
0013		10	1947*	20073	2102	N17	E06	4592	11	11.3	75	1B M	3.7				277		FZ
	HOLL	10	1947	2010	2101	N16	E05	4592	11	11.2	74	1B M	3.7	3	C		320		ZF
	RAMY	10	1948	2007	2102	N16	E05	4592	11	11.2	74	1B		3	C		265		ZF
	PALE	10	2000	2007	2047D	N18	E08	4592	11	11.4	47D	1B		3	C		247		ZF
0014	CULG	11	0438E	0439	0508D	N15	E15	4592	11	12.3	30D	1B			P	0439	320	3.5	
0015	ATHN	11	1123	1125	1133	N20	W37		11	8.6	10	SF		2	V	1125	19	.3	
0016	HOLL	11	2022	2022	2025	N17	W05	4592	11	11.5	3	SF		3	C		27		F
0017		11	2241	22433	2314	N17	W07	4592	11	11.4	33	SN C	1.0				55		FH
	LEAR	11	2241	2243	2303	N18	W08	4592	11	11.3	22	SN C	1.0	3	C		32		FH
	HOLL	11	2241	2246	2316	N17	W07	4592	11	11.4	35	SF C	1.0	3	C		64		F
	PALE	11	2241	2246	2322	N17	W07	4592	11	11.4	41	SN C	1.0	3	C		70		
0018		12	0245	0246	0250	N18	W10	4592	11	11.3	5	SB					86	1.4	F
	LEAR	12	0245	0246	0249	N18	W10	4592	11	11.3	4	SN		3	C		42		F
	YUNN	12	0246E	0246U	0250	N17	W10	4592	11	11.3	4D	SB			P	0246	129	1.4	
0019	LEAR	12	0551	0554	0557	N18	W12	4592	11	11.3	6	SF		3	C		26		F
0020	CATA	12	0855E	0902	0910D	S12	E37		11	15.1	15D	2		1	P	0902	394	5.3	
0021		12	09581	1005*	1116	N16	W16	4592	11	11.2	78	1N					205	2.1	BEHU
	WEND	12	0958	1017	1116	N16	W16	4592	11	11.2	78	SN			C	1017	150	1.7	
	LEAR	12	0959	1007	1015D	N18	W16	4592	11	11.2	16D	1N		3	C		238		UH
	ATHN	12	1000E	1005	1035D	N12	W14	4592	11	11.4	35D	1B		2	V	1005	223	2.4	
	KHAR	12	1058E		1130D	N16	W16	4592	11	11.2	32D	1N			P	1121	210	2.2	BE
		12	1332		1400			No Flare Patrol											
		12	1416		1431			No Flare Patrol											
0022	CULG	13	0546	0552	0602	N16	W15	4592	11	12.1	16	1F			C	0552	260	2.7	
		13	0826		0839			No Flare Patrol											
0023	CATA	13	1220E	1230	1250D	S17	E18		11	14.9	30D	S		2	P	1230	112	1.3	
		13	1927		1930			No Flare Patrol											
0024		13	2314*	2315*	3518	N14	W35	4592	11	11.3	724	SF					45	.8	FH
	LEAR	13	2314	2315	2317	N16	W35	4592	11	11.3	3	SF		3	C		30		FH
	CULG	14	2310	2312	2318	N13	W35	4592	11	12.3	8	SF			C	2312	60	.8	
		14	1251		1305			No Flare Patrol											
		14	1425		1445			No Flare Patrol											
		14	1503		1625			No Flare Patrol											
		14	1924		1944			No Flare Patrol											
		15	0513		0518			No Flare Patrol											
		15	0933		0959			No Flare Patrol											
0025	CATA	16	1010E	1010	1010D	N10	W90		11	9.7	8D	1		2	P	1010	84		
		16	1046		1054			No Flare Patrol											
		16	1101		1409			No Flare Patrol											
		16	1451		1704			No Flare Patrol											
0026	ABST	17	0656E	0701U	0716D	S17	W86		11	10.7	20D	1F			C	0701	105		D
0027	CATA	17	0845E	0845	0850	S07	E90		11	24.1	5D	1		1	P	0845	56		
0028		17	0945	09452	0956	N18	W89		11	10.6	11	1N					43		
	CATA	17	0945	0945	0955	N20	W90		11	10.5	10	1		2	C	0945	56		
	HTPR	17	0945	0947	0958	N17	W88		11	10.7	13	SN			C	0947	30		

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						Lat	CMD	Region								Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
			23 1835		1854	No Flare	Patrol											
			23 1922		1927	No Flare	Patrol											
			23 1945		2004	No Flare	Patrol											
			23 2035		2056	No Flare	Patrol											
0042		24	0140	0140	0144	S12 E32	4598	11	26.5	4	SN					39	.6	D
	PALE	24	0140	0140	0143	S11 E29	4598	11	26.2	3	SF	3	C			30		
	YUNN	24	0140E	0141U	0144	S13 E36	4598	11	26.8	4D	SN		P	0141		48	.6	D
0043		24	08333	08358	0902	S10 E48	4600	11	28.0	29	SN					80	1.8	
	LEAR	24	0833	0843	0856	S11 E48	4600	11	28.0	23	SF	3	C			48		
	CATA	24	0835E	0835	0910	S09 E49	4600	11	28.0	35D	S	2	P	0835		112	1.8	
	KANZ	24	0836	0840	0900	S11 E48	4600	11	28.0	24	SN	2						
0044		24	09176	09322	0946	S11 E47	4600	11	27.9	29	SF					19		
	LEAR	24	0917	0932	0945	S11 E47	4600	11	27.9	28	SF	3	C			19		
	KANZ	24	0923	0934	0948	S11 E47	4600	11	27.9	25	SF	2						
0045		24	0948	0955	1003	S10 E47	4600	11	27.9	15	SN					46		
	KANZ	24	0948	0955	1003	S10 E47	4600	11	27.9	15	SN	2						
	LEAR	24	0948	0955	1005D	S11 E47	4600	11	27.9	17D	SF	3	C			46		
		24	1401		1455	No Flare	Patrol											
		24	1549		1605	No Flare	Patrol											
		24	1623		1627	No Flare	Patrol											
0046	RAMY	24	1700E		1807D	S11 E45	4600	11	28.1	67D	SF	3	C			32		S
		24	1701		1705	No Flare	Patrol											
		24	1715		1801	No Flare	Patrol											
		24	1817		1852	No Flare	Patrol											
0047	PALE	24	1853	1855	1901	S13 E45	4600	11	28.2	8	SF	3	C			29		
		24	2011		2058	No Flare	Patrol											
0048	YUNN	25	0235E	0238	0300	S12 E42	4600	11	28.3	25D	SN		P			32	.5	
0049	LEAR	25	0359	0359	0404	S10 E22	4598	11	26.8	5	SF	3	C			24		
0050	CULG	25	0518E	0518U	0756	S10 E39	4600	11	28.1	158D	SB		P	0518		120	1.5	EF
0051		25	05521	05523	0610	S13 E18	4598	11	26.6	18	SN					37	.5	D
	LEAR	25	0552	0552	0617	S13 E18	4598	11	26.6	25	SF	3	C			32		
	PEKG	25	0553	0555	0604	S13 E19	4598	11	26.7	11	SN		C	0555		42	.5	D
0052		25	06502	06502	0701	S10 E38	4600	11	28.1	11	SF					50	1.0	
	CATA	25	0650	0650	0705	S09 E38	4600	11	28.1	15	S	1	C	0650		73	1.0	
	LEAR	25	0652	0652	0657	S11 E38	4600	11	28.1	5	SF	3	C			26		
0053		25	0700	0730	0740D	S25 E20		11	26.8	40D	S					112	1.4	
	CATA	25	0700	0730	0740D	S27 E21		11	26.9	40D	S	1	P	0730		84	1.1	
	CATA	25	0700	0730	0740D	S23 E18		11	26.7	40D	S	1	P	0730		140	1.7	
0054	ISTA	25	0835		0850	S10 E50	4600	11	29.1	15	SN							D
0055	ATHN	25	0858	0858	0908D	S11 E16	4598	11	26.6	10D	SF	3	V	0858		32	.4	
		25	1717		1843	No Flare	Patrol											
		25	1850		1903	No Flare	Patrol											
0056	RAMY	25	1924	1926	1932	S11 E10	4598	11	26.6	8	SF	3	C			33		F
		25	1956		2004	No Flare	Patrol											
0057	RAMY	25	2024	2024	2032	S12 E09	4598	11	26.5	8	SF	3	C			23		F
0058		25	23134	23174	2338	S11 E08	4598	11	26.6	25	SN					91	1.0	DEF
	CULG	25	2313	2317	2351	S11 E08	4598	11	26.6	38	SB		C	2317		110	1.1	EF
	LEAR	25	2315	2320	2334	S11 E09	4598	11	26.6	19	SN	3	C			82		F
	VORO	25	2317	2321	2328	S12 E07	4598	11	26.5	11	SF		C	2321		81	.8	D

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0059	LEAR	26	0037	0038	0045	S12	E07	4598	11	26.5	8	SF		3	C		27			
0060		26	0118	0119	0127	S12	E07	4598	11	26.6	9	1N					168	3.2		
	PURP	26	0117E	0136U	0147D	S12	E07	4598	11	26.6	30D	1N			P	0136	301	3.2		
	LEAR	26	0118	0119	0127	S12	E07	4598	11	26.6	9	SF		3	C		34			
0061		26	02121	0214	0224	S12	E06	4598	11	26.5	12	SN					28	.2	F	
	YUNN	26	0212	0214	0222	S12	E06	4598	11	26.5	10	SN			C		16	.2		
	LEAR	26	0213	0214	0225	S11	E07	4598	11	26.6	12	SF		3	C		41		F	
0062	LEAR	26	0232	0238	0254	S11	E06	4598	11	26.5	22	SF		3	C		80		F	
0063		26	03449	03512	0514	S10	E26	4600	11	28.1	90	1N					112	2.2	EF	
	CULG	26	0344	0351	0628	S09	E27	4600	11	28.2	164	1B			C	0351	200	2.2	EF	
	LEAR	26	0353	0353	0401	S10	E25	4600	11	28.0	8	SF		3	C		25		F	
0064	LEAR	26	0756	0758	0806	S12	E03	4598	11	26.5	10	SF		3	C		27		F	
0065	CATA	26	0855E	0855	0900D	S09	E21	4600	11	27.9	5D	1		1	P	0855	68			
0066		26	09364	09391	0949	S11	E03	4598	11	26.6	13	SN					90	1.2	E	
	LEAR	26	0936	0939	0948	S11	E02	4598	11	26.5	12	SF		3	C		68			
	ISTA	26	0937		0950	S11	E04	4598	11	26.7	13	SN							E	
	CATA	26	0940	0940	1000D	S12	E03	4598	11	26.6	20D	S		2	C	0940	112	1.2		
		26	1026		1049	No Flare Patrol														
		26	1056		1144	No Flare Patrol														
		26	1201		1209	No Flare Patrol														
	26	1302		1309	No Flare Patrol															
0067		26	1914	19152	1932	S11	E00	4598	11	26.8	18	SB	C 2.2				87			
	RAMY	26	1914	1915	1936	S10	E01	4598	11	26.9	22	SB	C 2.2	3	C		121			
	HOLL	26	1916E	1917	1927	S12	E00	4598	11	26.8	11D	SN	C 2.2	3	C		53			
0068		27	00536	01017	0118	S10	W03	4598	11	26.8	25	SN					78	1.1	EFH	
	CULG	27	0053	0101	0128	S11	W03	4598	11	26.8	35	SB			C	0101	110	1.1	EF	
	VORO	27	0057	0107	0115	S09	W04	4598	11	26.7	18	SF			C	0107	99	1.1	E	
	LEAR	27	0059	0108	0110	S10	W03	4598	11	26.8	11	SF		3	C		25		FH	
0069		27	0208*	02225	0243	S09	W04	4598	11	26.8	35	SN	C 2.0				103	1.4	EF	
	CULG	27	0208	0227	0257	S10	W04	4598	11	26.8	49	SB			C	0227	160	1.6	EF	
	LEAR	27	0218	0222	0240	S09	W04	4598	11	26.8	22	SN	C 2.0	3	C		51		F	
	VORO	27	0219	0223	0233	S09	W04	4598	11	26.8	14	SF			C	0223	99	1.1	E	
0070		27	0417*	04513	0515	S09	W06	4598	11	26.7	58	SN	C 1.2				114	1.7	EF	
	CULG	27	0417	0454	0524	S09	W07	4598	11	26.6	67	SB			C	0454	170	1.7	EF	
	MITK	27	0448	0451	0518	S09	W06	4598	11	26.7	30	SN			C	0451			E	
	LEAR	27	0449	0451	0504	S09	W05	4598	11	26.8	15	SF	C 1.2	3	C		59		F	
0071		27	0603*	06269	0653	S09	W07	4598	11	26.7	50	SN	C 2.5				184	2.6	EF	
	CULG	27	0603	0635	0708	S09	W07	4598	11	26.7	65	1B			C	0635	260	2.6	EF	
	LEAR	27	0622	0627	0647	S09	W06	4598	11	26.8	25	SF	C 2.5	3	C	0626	109		F	
0072		27	10501	10539	1135	S10	W10	4598	11	26.7	45	1N	C 8.3				251	2.7	EF1	
	ATHN	27	1040E	1053	1119	S11	W12	4598	11	26.5	39D	1B		3	V	1053	271	2.9		
	CATA	27	1050	1102	1150	S10	W08	4598	11	26.8	60	1		2	C	1102	253	2.7		
	HTPR	27	1051	1058	1135	S10	W10	4598	11	26.7	44	1B			C	1058	400	4.0	E1	
	KANZ	27	1059E	1059U	1126D	S09	W10	4598	11	26.7	27D	1N		1						
	WEND	27	1103E		1137	S10	W09	4598	11	26.8	34D	SN			C	1103	100	1.1		
	RAMY	27	1116E		1118D	S11	W12	4598	11	26.6	2D	1F	C 8.3	3	C		231		F	
0073		27	1501*	1512*	1643	S11	W14	4598	11	26.6	102	SN	C 1.9				54	.4	EK	
	HTPR	27	1501		1532D	S11	W14	4598	11	26.6	31D	SF			C	1511	40	.4	E	
	RAMY	27	1508	1512	1645	S11	W13	4598	11	26.6	97	SN		3	C		27		K	
	RAMY	27	1508	1537	1645	S11	W13	4598	11	26.6	97	SN	C 1.9	3	C		119		K	
	HOLL	27	1511	1512	1639	S11	W15	4598	11	26.5	88	SF		3	C		28			

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														Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0074		27	1746*	1746*	1855	S10	W14	4598	11 26.7	69	1B				164		FKU
	HOLL	27	1746	1746	1804	S10	W14	4598	11 26.7	18	SF				38		F
	RAMY	27	1746	1843	1921	S11	W15	4598	11 26.6	95	1B			3	292		UFK
	HOLL	27	1838	1841	1908	S09	W13	4598	11 26.8	30	1B			3	211		K
	HOLL	27	1838	1847	1908	S09	W13	4598	11 26.8	30	SB			3	116		UK
0075		27	20082	2019*	2045	S08	W14	4598	11 26.8	37	SN				76	1.2	EF
	CULG	27	2008	2029	2050	S09	W13	4598	11 26.9	42	SB		2029		120	1.2	EF
	HOLL	27	2010	2019	2040	S08	W14	4598	11 26.8	30	SF			3	32		F
0076		28	0018*	0027*	0200	S09	W16	4598	11 26.8	102	1N M 1.1				361	4.7	EFIKTUV
	CULG	28	0018	0052	0233	S10	W15	4598	11 26.9	135	2B				520	5.5	EFTUV
	LEAR	28	0024	0027	0149	S08	W14	4598	11 27.0	85	SF				47		K
	LEAR	28	0024	0051	0149	S08	W14	4598	11 27.0	85	1N M 1.1			3	378		FK
	VORO	28	0026		0121D	S10	W18	4598	11 26.7	55D	2F				752	8.2	FIK
	PURP	28	0031	0038	0040D	S10	W16	4598	11 26.8	9D	SN				147	1.6	
	MITK	28	0044E		0150	S10	W18	4598	11 26.7	66D	1B				320	3.5	EU
0077		28	04544	04584	0544	S10	W21	4598	11 26.6	50	SN C 1.9				106	1.1	EF
	CULG	28	0454	0458	0558	S11	W22	4598	11 26.5	64	SB				110	1.1	EF
	LEAR	28	0457E	0500	0546	S10	W21	4598	11 26.6	49D	SF C 1.9			3	102		F
	MITK	28	0458	0502	0529	S10	W19	4598	11 26.8	31	SN						E
0078	HTPR	28	0806	0809	0820	S11	W22	4598	11 26.7	14	SF				30	.3	E
0079		28	09064	09106	0922	S09	W23	4598	11 26.6	16	SF				83	.9	E
	WEND	28	0906	0914	0923	S09	W24	4598	11 26.6	17	SF				118	1.3	
	CATA	28	0910E	0910	0910D	S08	W23	4598	11 26.6	17D	S			1	112	1.3	
	HTPR	28	0910	0916	0920	S10	W23	4598	11 26.6	10	SF				20	.2	E
0080	HTPR	28	1145		1332D	S11	W26	4598	11 26.5	107D	SN				120	1.3	E
0081	HTPR	28	1223	1226	1240	S12	W34	4598	11 25.9	17	SF				20	.2	
0082		28	12411	1314	1328	S11	W26	4598	11 26.6	47	SN				32		F
	KANZ	28	1241	1314	1329	S11	W27	4598	11 26.5	48	SN						F
	RAMY	28	1242	1314	1326	S11	W25	4598	11 26.6	44	SN				32		F
0083		28	17243	17272	1739	S10	W29	4598	11 26.5	15	SF				41		SU
	HOLL	28	1724	1728	1743	S10	W30	4598	11 26.5	19	SF				55		
	PALE	28	1726	1727	1734	S09	W28	4598	11 26.6	8	SF				30		S
	RAMY	28	1727	1729	1740	S11	W29	4598	11 26.5	13	SF				37		U
0084	RAMY	28	1851	1853	1901	S11	W28	4598	11 26.7	10	SF				49		
0085	HOLL	28	2014	2019	2030	S09	W31	4598	11 26.5	16	SF				24		
0086		28	2041	20431	2112	S10	W28	4598	11 26.7	31	SN				27		
	RAMY	28	2041	2043	2126	S11	W31	4598	11 26.5	45	SN				20		
	HOLL	28	2041	2044	2058	S08	W26	4598	11 26.9	17	SF				34		
0087	LEAR	29	0528	0528	0532	S10	W35	4598	11 26.6	4	SF				28		F
0088	CATA	29	1150	1200	1220	S19	E28		12 1.6	30	1				169	2.1	
0089	HTPR	29	1303	1305	1311	S10	E71		12 4.9	8	SF				30		
0090		29	13502	13533	1408	S15	W46	4598	11 26.1	18	SN				42	.6	E
	HTPR	29	1350	1353	1410	S15	W46	4598	11 26.1	20	SN				60	.8	E
	WEND	29	1352	1356	1406	S15	W45	4598	11 26.2	14	SN				25	.4	
0091	KANZ	30	1001	1004	1007	N07	E59		12 4.8	6	SN						G
		30	2020		2027	No Flare Patrol											
0092	CULG	30	2241	2247	2331	S18	W46	4600	11 27.4	50	SF				120	1.8	F