

H - ALPHA SOLAR FLARES

7
Dec 85

DECEMBER 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)	
0001	CATA	02	1240	1245	1245D	S04	E79		12	8.4	5D	1F		2	P	1245	56		
			02 2013		2025			No Flare Patrol											
			05 1419		1424			No Flare Patrol											
			05 1925		1929			No Flare Patrol											
			05 2117		2133			No Flare Patrol											
			05 2159		2204			No Flare Patrol											
0002	HTPR	06	0827E		0925	N25	W33	4706	12	3.8	58D	SF			C	0844	40	.4	E
0003	HTPR	06	1005		1045D	N25	W34	4706	12	3.8	40D	SF			C	1013	40	.5	E
			06 1612		1623			No Flare Patrol											
			06 1722		2017			No Flare Patrol											
			07 1552		1608			No Flare Patrol											
			07 1635		1653			No Flare Patrol											
			08 1031		1114			No Flare Patrol											
			09 1026		1049			No Flare Patrol											
			09 1101		1102			No Flare Patrol											
			09 1316		1408			No Flare Patrol											
			09 1458		1508			No Flare Patrol											
			09 2148		2153			No Flare Patrol											
			10 0642		0643			No Flare Patrol											
0004	CATA	10	0840E	0840	0850	N01	E73	4708	12	15.8	10D	SN		2	P	0840	39		
			10 1005		1038			No Flare Patrol											
			10 1045		1049			No Flare Patrol											
			10 1107		1114			No Flare Patrol											
			10 1131		1219			No Flare Patrol											
			10 1227		1356			No Flare Patrol											
0005	HOLL	10	1736	1741	1752	N00	E67	4708	12	15.7	16	SF		3	C		26		H
			10 2011		2021			No Flare Patrol											
0006	HTPR	11	0924	0926	0929	N03	E65	4708	12	16.2	5	SF			C	0926	20	.5	E
0007	HTPR	11	1136	1146	1153	N08	E50	4708	12	15.2	17	SF			C	1146	30	.5	
0008	HTPR	11	1417	1418	1440	N03	E60	4708	12	16.1	23	SN			C	1418	50	1.0	E
0009		11	21114	21183	2132	N05	E54	4708	12	15.9	21	1F C 1.1					124		F
	HOLL	11	2111	2121	2145	N04	E55	4708	12	16.0	34	1F C 1.1	3	C			159		F
	PALE	11	2115	2118	2120	N06	E56	4708	12	16.1	5	SF C 1.1	3	C			89		F
	RAMY	11	2126E		2127D	N05	E52	4708	12	15.8	1D	1F C 1.1	2	C					
0010	PURP	12	0254E	0256	0307	N03	E45	4708	12	15.5	13D	SB			C	0256	63	.9	D
0011	LEAR	12	0409E	0414	0424	N05	E50	4708	12	15.9	15D	SF		3	C		47		F
0012		12	08547	09054	0924	N05	E41	4708	12	15.4	30	SN					39	.8	EF
	HTPR	12	0854	0905	0933	N04	E42	4708	12	15.5	39	SN			C	0905	60	.8	E
	LEAR	12	0901	0909	0916	N06	E40	4708	12	15.4	15	SF		3	C		18		F
0013		12	1036	1048*	1200	N04	E41	4708	12	15.5	84	SB					50	.7	EK
	HTPR	12	1036	1048	1200	N04	E41	4708	12	15.5	84	SB			C	1125	50	.7	EK
	HTPR	12	1036	1125	1200	N04	E41	4708	12	15.5	84	SB			C	1125	50	.7	EK
			12 1547		1559			No Flare Patrol											
0014	LEAR	12	2249	2249	2252	N05	E39	4708	12	15.9	3	SF		3	C		24		F
			13 2145		2149			No Flare Patrol											
0015	LEAR	14	0536	0536	0543	N06	E16	4708	12	15.4	7	SF		3	C		26		F
0016	HTPR	14	1047	1049	1057	N01	E20	4708	12	15.9	10	SF			C	1049	20	.2	E

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																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0017	14	12451	1252*	1316	N03 E10	4708	12	15.3	31	SN	C	1.9					111	1.5	EFIU
	RAMY	14	1219E	1231U	1252	N02 E04	4708	12	14.8	33D	SF		2	C		1252	26		
	HTPR	14	1245	1252	1330	N04 E15	4708	12	15.6	45	SB			C			150	1.5	EIU
	RAMY	14	1246	1305	1325	N03 E12	4708	12	15.4	39	SB	C	1.9	3	C		156		F
0018	HTPR	14	1354	1357	1404	N01 E18	4708	12	15.9	10	SF				C	1357	60	.6	E
0019	15	0606	0607	0622	N02 E08	4708	12	15.8	16	SN	C	1.1					40	.5	F
	LEAR	15	0606	0607	0621	N03 E08	4708	12	15.8	15	SN	C	1.1	3	C		28		F
	PURP	15	0613E	0613U	0623	N01 E08	4708	12	15.8	10D	SN			P		0613	51	.5	
0020	HTPR	15	0912	0918	0923	S01 E08	4708	12	16.0	11	SF				C	0918	10	.1	
0021	HTPR	15	0955	1008	1030	S01 E05	4708	12	15.8	35	SF				C	1008	20	.2	E
0022	HTPR	15	1136	1416	1453	S08 E28	4709	12	17.6	197	SN				C	1416	10	.1	
0023	HTPR	15	1151	1220	1253	S01 E04	4708	12	15.8	62	1N				C	1220	220	2.2	EI
0024	15	14577	1503	1508	N04 E04	4708	12	15.9	11	SN							15	.2	
	HTPR	15	1457	1503	1508	N02 E04	4708	12	15.9	11	SF				C	1503	10	.1	
	HTPR	15	1504		1526D	N06 E05	4708	12	16.0	22D	SN				C	1514	20	.2	
	15	1527		1559	No Flare Patrol														
	15	1800		1812	No Flare Patrol														
	15	2027		2209	No Flare Patrol														
0025	HOLL	15	2216	2217	2233	S09 E22	4709	12	17.6	17	SB	C	2.4	3	C		75		H
	15	2252		2309	No Flare Patrol														
0026	16	03261	03272	0346	S08 E17	4709	12	17.4	20	SF	C	1.9					114	1.2	EF
	PURP	16	0326	0328	0336D	S10 E16	4709	12	17.3	10D	SF				C	0328	111	1.2	
	MITK	16	0327	0327	0352	S08 E18	4709	12	17.5	25	SN				C	0327			E
	LEAR	16	0327	0329	0341	S05 E17	4709	12	17.4	14	SF	C	1.9	3	C		117		F
0027	LEAR	16	0352	0354	0358	S06 E18	4709	12	17.5	6	SF			3	C		37		H
0028	16	0526	0529	0546	S08 E16	4709	12	17.4	20	1N	C	2.2					192	2.3	EF
	LEAR	16	0526	0529	0536	S05 E16	4709	12	17.4	10	SN	C	2.2	3	C		167		FE
	PURP	16	0528E	0529	0557	S10 E15	4709	12	17.3	29D	1N				C	0529	216	2.3	
0029	HTPR	16	0911	0918	0940	S08 E14	4709	12	17.4	29	SF				C	0918	40	.4	E
0030	HTPR	16	0947	0948	0955	N01 W09	4708	12	15.7	8	SF				C	0948	10	.1	
0031	HTPR	16	1005	1007	1057	S08 E13	4709	12	17.4	52	SF				C	1007	10	.1	
0032	16	13164	13197	1332	S10 E12	4709	12	17.4	16	SF							15	.2	E
	HTPR	16	1316	1319	1325	S10 E14	4709	12	17.6	9	SF				C	1319	10	.1	
	HTPR	16	1320	1326	1340	S10 E11	4709	12	17.4	20	SF				C	1326	20	.2	E
0033	HTPR	16	1349	1349	1351	S10 E14	4709	12	17.6	2	SF				C	1349	10	.1	
	16	1505		1507	No Flare Patrol														
0034	HOLL	16	1835	1839	1849	S08 E09	4709	12	17.4	14	SF			3	C		33		
	16	2144		2156	No Flare Patrol														
0035	16	2246	22472	2258	S08 E06	4709	12	17.4	12	SF	C	1.1					52		EF
	LEAR	16	2246	2247	2303	S06 E06	4709	12	17.4	17	SF	C	1.1	3	C		93		FE
	PALE	16	2246	2248	2255	S09 E06	4709	12	17.4	9	SF	C	1.1	3	C		35		F
	HOLL	16	2246	2249	2256	S09 E05	4709	12	17.3	10	SF	C	1.1	3	C		28		F
0036	16	2343	2348	2415	S06 E08	4709	12	17.6	32	SN							30		E
	LEAR	16	2343		2356	S04 E09	4709	12	17.7	13	SF			3	C		30		
	MITK	16	2344E	2348	2434	S08 E08	4709	12	17.6	50D	SN				C	2348			E

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																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0037	LEAR	17	0316	0318	0326	S07 E03	4709	12	17.4	10	SF		3	C		68		F
0038	LEAR	17	0407	0410	0417	S06 E03	4709	12	17.4	10	SF		3	C		54		F
0039	TACH	17	0512E		0519D	S09 W04	4709	12	16.9	7D	1N			C	0517	265	2.8	E
0040	HTPR	17	1245	1250	1258	S09 E03	4709	12	17.7	13	SF			C	1250	20	.2	
		17	2131		2207	No Flare Patrol												
0041		18	1005*	1005*	1051	N05 W42	4708	12	15.3	46	SN					79	1.1	
	HTPR	18	0944E		1050	N04 W44	4708	12	15.1	66D	SF			C	1000	10	.1	
	CATA	18	0950E	1005	1025	N03 W42	4708	12	15.3	35D	SN		2	P	1005	112	1.6	
	CATA	18	1005	1015	1110	N06 W45	4708	12	15.0	65	SN		2	C	1015	84	1.2	
	CATA	18	1015	1015	1055	N07 W39	4708	12	15.5	40	1N		2	C	1015	169	2.3	
	HTPR	18	1015	1037	1054	N04 W40	4708	12	15.4	39	SF			C	1037	20	.3	
0042	HOLL	18	2107E	2107U	2114	N03 W39	4708	12	16.0	7D	SF		3	C		76		F
		19	2257		2307	No Flare Patrol												
0043	HOLL	20	1638	1638	1651	N00 W65	4708	12	15.8	13	SF		3	C		13		FH
0044	HOLL	20	1653	1656	1710	N01 W66	4708	12	15.8	17	SF		3	C		38		
0045	LEAR	21	0634	0643	0648	S08 W57	4709	12	17.0	14	SF		3	C		28		F
		21	1534		1548	No Flare Patrol												
		22	1359		1419	No Flare Patrol												
		24	1829		1834	No Flare Patrol												
		25	2136		2138	No Flare Patrol												
		26	1301		1418	No Flare Patrol												
		27	0320		0333	No Flare Patrol												
		27	1249		1329	No Flare Patrol												
		28	0435		0454	No Flare Patrol												
		28	0503		0520	No Flare Patrol												
		28	0528		0537	No Flare Patrol												
		28	0545		0552	No Flare Patrol												
		28	1301		1419	No Flare Patrol												
		28	2135		2349	No Flare Patrol												
		29	1016		1139	No Flare Patrol												
		29	1211		1419	No Flare Patrol												
		29	1536		1545	No Flare Patrol												
		31	1000		1022	No Flare Patrol												
		31	2113		2116	No Flare Patrol												
		31	2141		2229	No Flare Patrol												

"Remarks":

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

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