

H - ALPHA SOLAR FLARES

69
Dec 84

DECEMBER 1984

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
																	(10 ⁻⁶ Disk)	Apparent (Sq Deg)	
0001	CULG	01	0040	0041	0044	S12	W28	4600	11	29.0	4	SF			C	0041	50	.6	EV
0002	LEAR	01	0146	0148	0153	S14	W65	4598	11	26.3	7	SF		3	C		35		F
0003	ISTA	01	0812	0813	0821	N22	E90	4602	12	8.2	9	1B							A
0004		01	1013	10132	1016	N18	E90	4602	12	8.3	3	1N					56		G
	KANZ	01	1013	1013	1016	N18	E90	4602	12	8.3	3	SN		2					G
	CATA	01	1015E	1015	1015D	N18	E90	4602	12	8.3	3D 1		2	P	1015	56			
0005		01	1200	12041	1211	N19	E90	4602	12	8.4	11	1F					28		
	RAMY	01	1200	1204	1211	N20	E90	4602	12	8.4	11	SF		3	C		11		
	CATA	01	1205E	1205	1210D	N18	E90	4602	12	8.3	5D 1		2	P	1205	45			
0006	RAMY	01	1448	1450	1454	N19	E90	4602	12	8.5	6	SF		3	C		18		
		01	2041		2120	No Flare Patrol													
0007	LEAR	02	0053	0054	0101	S10	W55	4600	11	28.0	8	SF		3	C		21		F
0008		02	0136*	01462	0156	S13	W57	4600	11	27.9	20	SN					56	.9	F
	CULG	02	0136	0148	0204D	S17	W58	4600	11	27.7	28D	1N			P	0148	100		F
	YUNN	02	0144E	0148	0200	S11	W56	4600	11	27.9	16D	SN			P		47	.9	F
	LEAR	02	0146	0146	0152	S10	W56	4600	11	28.0	6	SF		3	C		22		F
0009		02	0905	0905	0910	S16	W78	4598	11	26.6	5	1N					68		D
	KHAR	02	0900E	0904U	0915D	S17	W80	4598	11	26.4	15D	SN			V	0904			D
	CATA	02	0905	0905	0910	S15	W77	4598	11	26.6	5	1		2	C	0905	68		
		02	1106		1119	No Flare Patrol													
		02	1131		1146	No Flare Patrol													
		02	1224		1246	No Flare Patrol													
		02	1253		1301	No Flare Patrol													
		02	1306		1402	No Flare Patrol													
0010	HOLL	02	1738	1738	1744	N17	E78	4602	12	8.7	6	SF		3	C		12		
0011	HOLL	02	1830	1833	1843	N17	E79	4602	12	8.8	13	SF		3	C		16		
0012	HOLL	02	2041	2043	2047	N17	E78	4602	12	8.8	6	SF		3	C		11		
		03	1404		1541	No Flare Patrol													
		03	1621		1639	No Flare Patrol													
		03	2053		2123	No Flare Patrol													
		03	2126		2204	No Flare Patrol													
0013	KHAR	04	1035E	1036U	1040D	S18	W90		11	27.7	5D	SF			V	1036			A
0014	HTPR	04	1307E		1412	N18	E50	4602	12	8.3	65D	SF			C	1347	50	.6	E
0015	HTPR	04	1307E		1320	S04	E50	4603	12	8.3	13D	SF			C	1310	20	.3	E
		04	1727		1831	No Flare Patrol													
		04	1935		1939	No Flare Patrol													
0016	HTPR	05	0820	0822	0826	N20	E38	4602	12	8.2	6	SF			C	0822	20	.3	E
0017	HTPR	05	1215	1232	1320	N18	E38	4602	12	8.4	65	SF			C	1232	60	.6	E
		06	0331		0339	No Flare Patrol													
0018	LEAR	06	0607	0608	0620	S03	E26	4603	12	8.2	13	SF		2	C		30		FH
0019	HTPR	06	0915	0917	0955	S10	E26	4603	12	8.3	40	SF			C	0917	30	.3	E
0020	HTPR	06	1451		1531D	S04	E22	4603	12	8.3	40D	SF			C	1509	20	.2	E
0021	RAMY	06	1645	1649	1655	S03	E22	4603	12	8.3	10	SN		3	C		46		

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0022	RAMY	06	2111	2112	2123	N18	E20	4602	12	8.4	12	SN		3	C		28		
		06	2135		2154	No Flare Patrol													
0023	HTPR	07	1240	1307	1327	S46	W80		11	30.8	47	SF			C	1307	20		
0024	HTPR	07	1405	1407	1436	S10	E36	4604	12	10.3	31	SF			C	1407	20	.3	E
0025	HTPR	08	0757E		0811	S09	E90	4605	12	15.1	14D	SN			C	0800	20		A
0026		08	0814	0819	0830	S08	E90	4605	12	15.1	16	SN					20		A
	ISTA	08	0814		0830	S08	E90	4605	12	15.1	16	SF					20		A
	HTPR	08	0814	0819	0830	S08	E90	4605	12	15.1	16	SN			C	0819	20		A
0027	HTPR	08	0835	0842	0910	S08	E90	4605	12	15.1	35	SB			C	0842	20		A
0028	HTPR	08	0920	0945	1016	S08	E90	4605	12	15.1	56	SN			C	0945	20		A
0029		08	10366	10471	1104	S08	E88	4605	12	15.0	28	SB					20		AD
	HTPR	08	1036	1047	1108	S08	E90	4605	12	15.2	32	SB			C	1047	20		A
	WEND	08	1042	1048	1101	S07	E85	4605	12	14.8	19	SN			C	1048	20		D
0030		08	11041	11053	1114	S10	E30	4604	12	10.7	10	SN					120	1.3	E
	HTPR	08	1104	1108	1120	S10	E29	4604	12	10.6	16	SN			C	1108	120	1.3	E
	KANZ	08	1105	1105	1109	S11	E30	4604	12	10.7	4	SF		2					
0031		08	1210*	1233*	1324	S11	E29	4604	12	10.7	74	SN					18	.1	
	HTPR	08	1210	1233	1325	S12	E28	4604	12	10.6	75	SN			C	1233	10	.1	
	RAMY	08	1311	1316	1322	S10	E30	4604	12	10.8	11	SF		3	C		26		
0032	HTPR	08	1250	1310	1333	S08	E87	4605	12	15.0	43	SB			C	1310	20		
0033	HTPR	08	1506		1537D	S10	E27	4604	12	10.6	31D	SF			C	1532	30	.3	E
		08	1648		1706	No Flare Patrol													
0034	RAMY	08	1800	1803	1819	S03	W08	4603	12	8.1	19	SF		3	C		28		
0035	YUNN	09	0301	0303	0306	S04	W13	4603	12	8.1	5	SN			C		31	.3	
		09	1401		1408	No Flare Patrol													
0036		10	0740	0715	0801	N17	E90	4608	12	17.1	21	1B					56		A
	CATA	10	0710E	0715	0715D	N17	E90	4608	12	17.1	5D 1		2	P	0715	56			
	ISTA	10	0740		0801	N17	E90	4608	12	17.1	21	1B							A
0037	CATA	10	1000	1000	1010D	N17	E90	4608	12	17.2	10D 1		1	P	1000	45			
0038		10	17011	17031	1719	S06	E52	4605	12	14.6	18	SN					60		F
	RAMY	10	1701	1703	1722	S06	E52	4605	12	14.6	21	SN		3	C		102		F
	HOLL	10	1702	1704	1716	S07	E52	4605	12	14.6	14	SF		3	C		18		F
0039		10	1831	1837*	2002	S12	E12	4607	12	11.7	91	SN					42		K
	RAMY	10	1831	1837	2002	S12	E12	4607	12	11.7	91	SF		3	C		35		K
	RAMY	10	1831	1853	2002	S12	E12	4607	12	11.7	91	SN		3	C		50		K
		11	0314		0317	No Flare Patrol													
		11	0321		0346	No Flare Patrol													
		11	0550		0559	No Flare Patrol													
0040	HTPR	11	0830E	0834	0853	S12	E03	4607	12	11.6	23D	SN			C	0834	30	.3	E
0041	HTPR	11	1000	1007	1020	S12	E02	4607	12	11.6	20	SN			C	1007	80	.8	E
0042	RAMY	11	1126	1138	1316	S11	E02	4607	12	11.6	110	SN		3	C		67		
0043	RAMY	11	1323	1407	1408	S11	E00	4607	12	11.5	45	SF		3	C		33		

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						Lat	Cmd									Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
			16 1116		1159	No Flare Patrol													
			16 1310		1413	No Flare Patrol													
0057		17	0145*	0151*	0255	N18	W02	4608	12	16.9	70	SN				46	.5	EH	
	MITK	17	0145	0151	0300	N12	W03	4608	12	16.8	75	SN		C	0151			EH	
	YUNN	17	0223	0230	0250	N23	W02	4608	12	16.9	27	SN		C		46	.5		
0058	ABST	17	0656E	0701U	0716D	N18	W86		12	10.7	200	1F		3	C	0701	87	D	
		17	1009		1029	No Flare Patrol													
		17	1101		1229	No Flare Patrol													
		18	1016		1319	No Flare Patrol													
		18	1357		1411	No Flare Patrol													
		18	1424		1447	No Flare Patrol													
		18	2033		2041	No Flare Patrol													
		18	2051		2057	No Flare Patrol													
		18	2059		2102	No Flare Patrol													
		19	0950		0951	No Flare Patrol													
		19	1002		1009	No Flare Patrol													
		19	1011		1049	No Flare Patrol													
		19	1200		1217	No Flare Patrol													
		19	1220		1244	No Flare Patrol													
		19	1310		1315	No Flare Patrol													
		19	1327		1347	No Flare Patrol													
		19	1431		1701	No Flare Patrol													
		19	1713		1758	No Flare Patrol													
0059	RAMY	19	2115	2116	2124D	S12	E49		12	23.6	9D	SN		2	C		99	F	
0060	CULG	20	0227	0300	0500	S11	E32	4609	12	22.5	153	1B			C	0300	240	2.9	DEFK
0061		20	0740	0745	0755	S13	E45	4609	12	23.7	15	1N					126	2.0	EG
	ABST	20	0738E	0740U	0750D	S14	E45	4609	12	23.7	12D	1N		3	C	0740	174	2.7	E
	YUNN	20	0740	0745	0755	S12	E45	4609	12	23.7	15	SN			C		79	1.2	G
		20	1515		1525	No Flare Patrol													
0062	RAMY	20	1526E		1534	S12	E41	4609	12	23.7	8D	SF		3	C		26		F
0063	RAMY	20	1832	1833	1853	S13	E38	4609	12	23.6	21	SN		3	C		45		
0064		21	0236	02503	0319	S14	E34	4609	12	23.7	43	SN	C 1.1				121	1.8	EKU
	PEKG	21	0204E		0246	S13	E34	4609	12	23.6	42D	SN			C	0246	101	1.4	EK
	LEAR	21	0236	0250	0332	S13	E34	4609	12	23.7	56	SF	C 1.1	3	C		68		U
	MITK	21	0247E	0253	0313D	S14	E34	4609	12	23.7	26D	1N			C	0253	180	2.3	E
	PEKG	21	0252E	0252	0338	S14	E34	4609	12	23.7	46D	SN	C 1.1		C	0252	134	1.7	E
		21	1419		1445	No Flare Patrol													
		21	1457		1507	No Flare Patrol													
		21	1511		1529	No Flare Patrol													
		22	1459		1545	No Flare Patrol													
0065		23	0526*	0534	0615	S14	E04	4609A	12	23.5	49	SN					56	.7	FGU
	YUNN	23	0526	0534	0615	S13	E05	4609A	12	23.6	49	SN			C		63	.7	G
	LEAR	23	0536	0558U	0615	S14	E04	4609A	12	23.5	39	SF		3	C		50		UF
0066	CULG	23	2011E	2134	2336	S06	E14	4610	12	24.9	205D	SN			P	2134	60	.6	
		24	1023		1126	No Flare Patrol													
		25	0813		0832	No Flare Patrol													
		25	0848		0859	No Flare Patrol													
		25	1041		1044	No Flare Patrol													
		25	1131		1154	No Flare Patrol													
0067		25	19251	19251	1935	S14	W30		12	23.5	10	SF					22		F
	HOLL	25	1925	1925	1933	S15	W30		12	23.5	8	SF		3	C		23		F
	RAMY	25	1926	1926	1937	S12	W30		12	23.5	11	SF		3	C		22		

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																	(10 ⁻⁶ Disk)	(Sq Deg)			
			26 1444		1457	No Flare	Patrol														
			26 1526		1610	No Flare	Patrol														
			26 1625		1637	No Flare	Patrol														
			26 1651		1711	No Flare	Patrol														
			26 1852		1934	No Flare	Patrol														
0068	ABST	27	0614E	0616U	0622D	S10 E24	4611	12	29.1		8D	SF		3	C	0616	87	.9	D		
			27 1427		1452	No Flare	Patrol														
			27 1507		1659	No Flare	Patrol														
			28 0301		0308	No Flare	Patrol														
			28 1503		1527	No Flare	Patrol														
			28 1655		1734	No Flare	Patrol														
			28 2043		2046	No Flare	Patrol														
			28 2120		2123	No Flare	Patrol														
			28 2125		2159	No Flare	Patrol														
			29 0606		0628	No Flare	Patrol														
			29 0651		0700	No Flare	Patrol														
			29 1021		1024	No Flare	Patrol														
			29 1031		1331	No Flare	Patrol														
			29 1353		1421	No Flare	Patrol														
			29 1505		1527	No Flare	Patrol														
			29 1631		1636	No Flare	Patrol														
			30 1021		1446	No Flare	Patrol														
			30 1513		1518	No Flare	Patrol														
			30 1551		1646	No Flare	Patrol														
			30 1707		1722	No Flare	Patrol														
0069		30	18221	1824	1827	S10 W79	4612	12	24.8		5	SF								16	
	HOLL	30	1822	1824	1826	S10 W79	4612	12	24.8		4	SF	3	C							18
	PALE	30	1823	1824	1828	S09 W79	4612	12	24.8		5	SF	3	C							15
			31 0000		0016	No Flare	Patrol														
			31 1020		1129	No Flare	Patrol														
			31 1206		1257	No Flare	Patrol														
			31 1401		1441	No Flare	Patrol														
			31 1503		1603	No Flare	Patrol														

"Remarks":

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|--|---|
| <p>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.</p> | <p>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.</p> |
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