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Oct 84

H - ALPHA SOLAR FLARES

OCTOBER 1984

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)		
			01 0401		0403			No Flare Patrol												
0001	CATA	01	0720E	0750	0800D	N16	W12		09	30.4	40D	S			2	P	0750	112	1.2	
0002	CATA	01	1215	1220	1225	S14	W37	4580	09	28.8	10	S			2	C	1220	56	.8	
			01 1401		1405			No Flare Patrol												
			01 2103		2118			No Flare Patrol												
			02 0943		0944			No Flare Patrol												
			02 0956		1014			No Flare Patrol												
			02 1021		1049			No Flare Patrol												
			02 1101		1102			No Flare Patrol												
			02 2139		2220			No Flare Patrol												
0003	CATA	03	1155	1155	1220	S20	W90		09	26.7	25	1			2	C	1155	56		
			03 1435		1447			No Flare Patrol												
			03 1534		1654			No Flare Patrol												
			03 1910		2115			No Flare Patrol												
0004	CATA	04	0750	0750	0755	N16	W53		09	30.3	5	S			2	C	0750	68	1.1	
0005	ISTA	05	0715		0751	S18	W90		09	28.5	36	SN								AG
0006	ISTA	05	0753		0805	S18	W09		10	4.6	12	SF								ABG
			05 1532		1653			No Flare Patrol												
			05 1722		1914			No Flare Patrol												
			05 1937		1941			No Flare Patrol												
			05 1959		2005			No Flare Patrol												
			05 2011		2015			No Flare Patrol												
			05 2027		2139			No Flare Patrol												
0007		06	1240	1240	1322	S06	E45		10	9.9	42	SN					115	1.9	G	
	CATA	06	1240	1240	1240D	S07	E39		10	9.4	42D	S	2	P		1240	140	1.9	G	
	KANZ	06	1303E	1308U	1308D	S05	E57		10	10.8	5D	SB	1						G	
	RAMY	06	1307E	1307U	1322	S05	E40		10	9.5	15D	SF	3	C			90			
0008	CATA	07	1010	1015	1030D	S18	W90		09	30.6	20D	1			2	P	1015	68		
			07 1710		1715			No Flare Patrol												
			10 1533		1603			No Flare Patrol												
			11 1403		1428			No Flare Patrol												
			11 1801		1805			No Flare Patrol												
			11 1821		1844			No Flare Patrol												
			11 1908		2003			No Flare Patrol												
0009		12	1200*	1205*	1402	S05	W48	4582	10	8.9	122	SF					40	.9	F	
	CATA	12	1200	1205	1240D	S05	W49	4582	10	8.8	40D	S	2	P		1205	56	.9	F	
	RAMY	12	1351	1354	1402	S05	W47	4582	10	9.1	11	SF	3	C			23		F	
			12 1914		2153			No Flare Patrol												
0010	LEAR	13	0025	0026	0027	N07	W68	4581D	10	7.9	2	SF			3	C		11		
0011		13	0720	0735	0754	S04	W60	4582	10	8.8	34	SN					56	1.2	BEG	
	CATA	13	0720	0735	0805	S05	W60	4582	10	8.8	45	S	2	C		0735	56	1.2	BEG	
	ISTA	13	0725E		0742	S03	W60	4582	10	8.8	17D	SN							BEG	
0012	CATA	13	1140	1140	1145D	S02	E70	4586	10	18.7	5D	1			1	P	1140	169		
			13 1605		1634			No Flare Patrol												
0013	HOLL	13	1730	1730	1735	S03	W63	4582	10	9.0	5	SF			3	C		18		F
0014	PEKG	14	0157	0215	0230	S01	W66	4581D	10	9.1	33	SF					42		D	
0015	CATA	14	1240	1240	1245D	S10	W28	4583	10	12.4	5D	1			2	P	1240	253	3.1	

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																	(10 ⁻⁶ Disk)	(Sq Deg)	
0016	PEKG	15	0345E	0345	0345D	N05 E63	4586	10	19.9	5D	SF				P	0345	42	1.0	E
0017	ISTA	15	0620		0640	N04 W64		10	10.5	20	SF								D
0018	ISTA	15	0648		0655	N03 W63		10	10.6	7	SB								D
0019	CATA	15	0845	0850	0905D	N05 E47	4586	10	18.9	20D	S		2		P	0850	112	1.7	
		15	1021		1022	No Flare Patrol													
0020		15	11451	11491	1205	N04 E44	4586	10	18.8	20	1F						138	3.0	F
	CATA	15	1145	1150	1205	N03 E30	4586	10	17.7	20	1		2		C	1150	253	3.0	F
	RAMY	15	1146	1149	1205	N04 E59	4586	10	19.9	19	SF		3		C		24		F
		15	1617		1623	No Flare Patrol													
		15	1714		1725	No Flare Patrol													
		15	1748		1808	No Flare Patrol													
		15	1823		2009	No Flare Patrol													
0021		16	0030	0042	0058	N04 E52	4586	10	19.9	28	SN						26	.4	H
	MAN1	16	0016E	0036E	0052D	N04 E52	4586	10	19.9	36D	SN		1		V		24	.4	H
	LEAR	16	0030	0042	0058	N04 E51	4586	10	19.8	28	SF		3		C		28		H
0022		16	0213	02131	0221	N05 E52	4586	10	20.0	8	SN						56	1.4	EF
	PEKG	16	0213E	0213	0224	N05 E52	4586	10	20.0	11D	SN				P	0213	80	1.4	E
	LEAR	16	0213	0214	0218	N05 E52	4586	10	20.0	5	SF		3		C		31		F
0023	CATA	16	0945	0955	1010D	N13 W42		10	13.2	25D	S		1		P	0955	112	1.6	
0024	PEKG	17	0519	0535	0544	N03 E36	4586	10	19.9	25	1N				C	0535	168	2.2	E
0025	PEKG	17	0629	0635	0653	N03 E35	4586	10	19.9	24	SN				C	0635	126	1.6	E
0026	LEAR	17	0717	0718	0727	N02 E35	4586	10	19.9	10	SF		3		C		25		
0027	CATA	17	1025	1030	1040	N16 E27		10	19.5	15	S		1		C	1030	56	.6	
		17	1534		1552	No Flare Patrol													
		17	2106		2112	No Flare Patrol													
0028	KANZ	18	1013	1017	1020	N05 E11	4383A	10	19.2	7	SF		2						
0029		19	00144	00181	0029	N05 E15	4586	10	20.1	15	SF						36	.3	
	CULG	19	0014	0018	0024D	N05 E15	4586	10	20.1	10D	SF				P	0018	30	.3	
	PALE	19	0018	0019	0029	N05 E15	4586	10	20.1	11	SF		3		C		41		
0030	CATA	19	0930	0930	0935	S07 E90		10	26.1	5	1		2		C	0930	56		
0031	CATA	19	1135	1140	1145	S09 E77		10	25.3	10	1		2		C	1140	56		
0032	CATA	20	0745	0755	0800D	N06 E90		10	27.0	15D	1		2		P	0755	84		
		20	1226		1238	No Flare Patrol													
		20	1524		1530	No Flare Patrol													
		20	1804		1811	No Flare Patrol													
		20	1840		1843	No Flare Patrol													
		20	1952		1958	No Flare Patrol													
		20	2013		2039	No Flare Patrol													
0033		21	02281	0236*	0310	N04 W18	4586	10	19.7	42	SN						144	2.0	EF
	LEAR	21	0228	0236	0319	N05 W19	4586	10	19.7	51	SF		3		C		106		
	MITK	21	0229	0244	0310	N03 W18	4586	10	19.7	41	SN				C	0244			E
	PEKG	21	0245E	0246	0302	N04 W18	4586	10	19.8	17D	SN				C	0246	181	2.0	F
		21	1016		1024	No Flare Patrol													
		21	2132		2141	No Flare Patrol													
0034	RAMY	22	1319	1320	1337	N04 W36	4586	10	19.9	18	SF		3		C		38		

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																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0035	CULG	22	2150	2156	2209	N06	W55	4586	10	18.8	19	SF		C	2156	50	.9		
		23	1246		1250	No	Flare	Patrol											
		23	1343		1407	No	Flare	Patrol											
		23	1416		1431	No	Flare	Patrol											
		23	1600		1610	No	Flare	Patrol											
		23	1753		1958	No	Flare	Patrol											
		23	2003		2007	No	Flare	Patrol											
		24	1623		1637	No	Flare	Patrol											
0036	RAMY	24	1752	1754	1814	N06	W68	4586	10	19.6	22	SF		3	C		14		
		24	1931		1946	No	Flare	Patrol											
		24	2014		2034	No	Flare	Patrol											
		24	2036		2039	No	Flare	Patrol											
		25	1401		1409	No	Flare	Patrol											
		25	1426		1741	No	Flare	Patrol											
		25	1817		1851	No	Flare	Patrol											
		25	1902		1912	No	Flare	Patrol											
		25	2156		2159	No	Flare	Patrol											
		25	2204		2205	No	Flare	Patrol											
		26	1826		1837	No	Flare	Patrol											
		26	2202		2203	No	Flare	Patrol											
		26	2206		2209	No	Flare	Patrol											
		27	1843		1845	No	Flare	Patrol											
		28	1410		1504	No	Flare	Patrol											
		28	1645		1650	No	Flare	Patrol											
		28	1904		1916	No	Flare	Patrol											
		29	1451		1629	No	Flare	Patrol											
		29	1725		1747	No	Flare	Patrol											
		29	1936		1945	No	Flare	Patrol											
		29	2344		2400	No	Flare	Patrol											
		30	0435		0559	No	Flare	Patrol											
		31	1955		2006	No	Flare	Patrol											
		31	2016		2021	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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