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Mar 97

H $\alpha$  SOLAR FLARES

MARCH 1997

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement		Remarks	
															Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
			01 0000		0030		No Flare Patrol											
			01 0040		0041		No Flare Patrol											
			01 0208		0553		No Flare Patrol											
			01 1623		2101		No Flare Patrol											
0001	LEAR	06	0047	0048	0055	N02 E78	8020	03	11.8	8	SF B	8.9	3	E		43		
0002		06	0611	0613	0618	N02 E78	8020	03	12.1	7	SF B	3.9				56		
	LEAR	06	0611	0613	0617	N03 E77	8020	03	12.0	6	SF B	3.9	3	E		33		
	SVTO	06	0615E	0615U	0618	N02 E78	8020	03	12.1	3D	SF		2	E		78		
			06 2025		2029		No Flare Patrol											
0003	KANZ	07	1217	1217	1225	N08 E69	8020	03	12.7	8	SF		2	C				
			07 2122		2127		No Flare Patrol											
			08 0635		0642		No Flare Patrol											
0004	KANZ	08	0800	0804	0812	N05 E53	8020	03	12.3	12	SF		2	C				
			12 2236		2243		No Flare Patrol											
			12 2314		2400		No Flare Patrol											
			13 0000		0113		No Flare Patrol											
			13 0248		0306		No Flare Patrol											
			13 0316		0415		No Flare Patrol											
			13 0429		0502		No Flare Patrol											
			13 0520		0530		No Flare Patrol											
			13 2201		2206		No Flare Patrol											
			13 2216		2238		No Flare Patrol											
			13 2243		2329		No Flare Patrol											
			14 0619		0640		No Flare Patrol											
			14 1028		1029		No Flare Patrol											
0005	LEAR	16	0042	0043	0045	S31 W44	8021	03	12.5	3	SF B	1.8	3	E		15	F	
			16 1422		1428		No Flare Patrol											
			16 1433		1448		No Flare Patrol											
			17 1021		1025		No Flare Patrol											
			17 1836		1847		No Flare Patrol											
			17 1947		2006		No Flare Patrol											
			17 2041		2127		No Flare Patrol											
			17 2137		2207		No Flare Patrol											
			17 2213		2223		No Flare Patrol											
			17 2232		2242		No Flare Patrol											
			18 1945		2001		No Flare Patrol											
			18 2007		2109		No Flare Patrol											
			19 1021		1044		No Flare Patrol											
			20 0220		0358		No Flare Patrol											
			20 1017		1047		No Flare Patrol											
			21 0929		0953		No Flare Patrol											
			21 1102		1113		No Flare Patrol											
			23 1732		1736		No Flare Patrol											
			24 1014		1041		No Flare Patrol											
			25 1010		1047		No Flare Patrol											
			25 1123		1137		No Flare Patrol											
			25 1224		1229		No Flare Patrol											
			25 2201		2249		No Flare Patrol											
			27 0201		0303		No Flare Patrol											
0006		27	14102	14162	1421	S24 E80	8026	04	2.8	11	SF B	8.4				34	FH	
	RAMY	27	1410	1416	1422	S24 E81	8026	04	2.8	12	SF B	8.4	4	E		53	FH	
	SVTO	27	1412	1418	1420	S25 E79	8026	04	2.7	8	SF		3	E		16	H	
0007	RAMY	27	1926	1927	1931	S24 E80	8026	04	3.0	5	SF B	5.3	3	E		20	F	
0008	RAMY	27	1944	1951	1954	S24 E79	8026	04	2.9	10	SF		3	E		55		
0009	HOLL	27	2157	2158	2205	S25 E79	8026	04	3.0	8	SF B	4.6	4	E		22		

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Imp See	Obs Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0010	HOLL	28	0022	0023	0026	S25 E75	8026	04	2.8	4	SF	B 1.1	3	E		12		
0011		28	0855	0902	0939	S25 E68	8026	04	2.6	44	SF	B 2.2				35		FH
	SVTO	28	0855	0911	1000	S27 E69	8026	04	2.7	65	SF	B 2.2	3	E		31		FH
	LEAR	28	0903	0909	0918	S23 E67	8026	04	2.5	15	SF		3	E		39		
0012	LEAR	28	0918	0919	0922	S23 E67	8026	04	2.5	4	SF		3	E		20		
0013	LEAR	28	0923	0929	0946	S23 E67	8026	04	2.5	23	SF		3	E		40		
0014	LEAR	28	0948	0948	0957	S23 E66	8026	04	2.5	9	SF		3	E		66		
0015	SVTO	28	1231	1231	1239	S28 E66	8026	04	2.7	8	SF		3	E		11		H
0016	RAMY	28	1420	1426	1440	S24 E67	8026	04	2.8	20	SF		3	E		16		
0017		28	1446	1451	1502	S28 E66	8026	04	2.8	16	SF		3	E		11		
	RAMY	28	1447	1452	1513	S24 E67	8026	04	2.8	26	SF		3	E		18		
		29	1012		1015	No Flare Patrol												
		29	1023		1032	No Flare Patrol												
0018	HOLL	29	2045	2045	2048	S25 E49	8026	04	2.7	3	SF	B 3.4	3	E		12		
		30	1026		1044	No Flare Patrol												
		30	1110		1114	No Flare Patrol												
		30	2227		2233	No Flare Patrol												
		30	2238		2251	No Flare Patrol												
		31	0517		0523	No Flare Patrol												
		31	0708		0724	No Flare Patrol												
		31	2100		2110	No Flare Patrol												
		31	2234		2306	No Flare Patrol												

"Remarks"

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| <p>A = Eruptive prominence whose base is less than 90 degrees from central meridian.<br/>                 B = Probably the end of a more important flare.<br/>                 C = Invisible 10 minutes before.<br/>                 D = Brilliant point.<br/>                 E = Two or more brilliant points.<br/>                 F = Several eruptive centers.<br/>                 G = No visible spots in the neighborhood.<br/>                 H = Flare accompanied by high-speed dark filament.<br/>                 I = Active region very extended.<br/>                 J = Distinct variations of plage intensity before or after the flare.<br/>                 K = Several intensity maxima.<br/>                 L = Existing filaments show signs of sudden activity.<br/>                 M = White-light flare.<br/>                 N = Continuous spectrum shows effects of polarization.</p> | <p>O = Observations have been made in the H and K lines of Ca II.<br/>                 P = Flare shows Helium D3 in emission.<br/>                 Q = Flare shows Balmer continuum in emission.<br/>                 R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.<br/>                 S = Brightness follows disappearance of filament in same position.<br/>                 T = Region active all day.<br/>                 U = Two bright branches, parallel or converging.<br/>                 V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.<br/>                 W = Great increase in area after time of maximum intensity.<br/>                 X = Unusually wide H-alpha line.<br/>                 Y = System of loop-type prominences.<br/>                 Z = Major sunspot umbra covered by flare.</p> |
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Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual