

HÀ S O L A R F L A R E S

AUGUST 2010

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF		CMP Mo	Day	Dur (Min)	Imp		Obs See	Type	Time (UT)	Area Measurement		Remarks
						CMD	Region				Opt	Xray				Apparent (10-6 Disk)	Corr (Sq Deg)	
0001		01	07551	0826	0940	N19	E34	11092	08	3.9	105	SF					65	F
	SVTO	01	0755	0826U	0935	N18	E33	11092	08	3.8	100	SF	3	E			61	F
	LEAR	01	0756	0826	0946	N20	E36	11092	08	4.1	110	SF	3	E			69	F
		01	1834		1839	No	Flare	Patrol										
		01	1938		1956	No	Flare	Patrol										
		01	2011		2015	No	Flare	Patrol										
		01	2029		2054	No	Flare	Patrol										
		02	1824		1831	No	Flare	Patrol										
		02	1910		1915	No	Flare	Patrol										
		02	2040		2050	No	Flare	Patrol										
		02	2104		2117	No	Flare	Patrol										
		03	0156		0204	No	Flare	Patrol										
		03	2212		2222	No	Flare	Patrol										
		03	2237		2249	No	Flare	Patrol										
		04	2152		2222	No	Flare	Patrol										
		05	2015		2022	No	Flare	Patrol										
		05	2047		2150	No	Flare	Patrol										
		06	0956		1023	No	Flare	Patrol										
		06	1026		1047	No	Flare	Patrol										
		06	1049		1105	No	Flare	Patrol										
		06	1107		1151	No	Flare	Patrol										
		06	1210		1237	No	Flare	Patrol										
		06	2102		2132	No	Flare	Patrol										
0002	HOLL	07	1758	1815	1955	N11	E34	11093	08	10.3	117	2F	3	E			284	FU
		07	1933		2000	No	Flare	Patrol										
		07	2037		2043	No	Flare	Patrol										
		07	2121		2130	No	Flare	Patrol										
		07	2202		2218	No	Flare	Patrol										
		08	0018		0028	No	Flare	Patrol										
		08	2119		2312	No	Flare	Patrol										
0003		11	13431	13475	1359	N14	E34	11098	08	14.1	16	SF					16	EF
	HOLL	11	1343	1352	1402	N14	E33	11098	08	14.1	19	SF	3	E			15	E
	SVTO	11	1344	1347	1356	N15	E36	11098	08	14.3	12	SF	3	E			16	F
		11	2037		2107	No	Flare	Patrol										
		11	2355		2400	No	Flare	Patrol										
		12	0000		0038	No	Flare	Patrol										
		12	0048		0053	No	Flare	Patrol										
		12	0125		0138	No	Flare	Patrol										
		12	0150		0434	No	Flare	Patrol										
		12	1925		1948	No	Flare	Patrol										
		12	1959		2037	No	Flare	Patrol										
		12	2046		2101	No	Flare	Patrol										
		12	2105		2400	No	Flare	Patrol										
		13	0000		0006	No	Flare	Patrol										
		13	0047		0101	No	Flare	Patrol										
		13	0110		0119	No	Flare	Patrol										
		13	0215		0347	No	Flare	Patrol										
		13	0413		0434	No	Flare	Patrol										
		13	0601		0609	No	Flare	Patrol										
		13	0622		0709	No	Flare	Patrol										
0004	LEAR	13	2339	2346	2350	N17	W45	11099	08	10.6	11	SF	1	E			11	
0005	LEAR	14	0027	0031	0040	N18	W46	11099	08	10.5	13	SF	2	E			12	
0006	LEAR	14	0057	0057	0105	N17	W46	11099	08	10.5	8	SF	3	E			11	
0007		14	09391	1000	1040	N12	W54	11093	08	10.3	61	SF					60	F
	SVTO	14	0939	1000	1030	N11	W53	11093	08	10.4	51	SF	3	E			60	F
	KANZ	14	0940	1000	1050	N12	W54	11093	08	10.3	70	SF	2	E				
0008	SVTO	14	0941	0959	1110	N17	W52	11099	08	10.4	89	SF	3	E			76	F
0009	HOLL	14	1807	1807	1813	N19	W54	11099	08	10.6	6	SF	3	E			11	

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						CMD	Region		Mo	Day				Apparent (10-6 Disk)	Corr (Sq Deg)	
		14	2136		2144	No	Flare	Patrol								
		14	2152		2315	No	Flare	Patrol								
0010	LEAR	15	0711	0712	0718	N17	W63	11099	08	10.5	7	SF	3	E	14	
0011	LEAR	15	0820	0820	0828	N16	W63	11099	08	10.6	8	SF	3	E	10	
		15	0959		1001	No	Flare	Patrol								
		15	1007		1008	No	Flare	Patrol								
0012	HOLL	15	1828	1832	1839	N15	W71	11099	08	10.4	11	SF	3	E	30	F
		16	0428		0608	No	Flare	Patrol								
		16	1256		1258	No	Flare	Patrol								
		16	1409		1413	No	Flare	Patrol								
0013	HOLL	16	1518	1520	1528	N17	W80	11099	08	10.5	10	SF	3	E	41	F
		16	1530		1546	No	Flare	Patrol								
		16	1557		1629	No	Flare	Patrol								
		16	1642		1715	No	Flare	Patrol								
		16	1830		1846	No	Flare	Patrol								
		16	1937		1942	No	Flare	Patrol								
		16	2032		2253	No	Flare	Patrol								
		17	0213		0436	No	Flare	Patrol								
		17	2239		2348	No	Flare	Patrol								
		18	1959		2056	No	Flare	Patrol								
		18	2116		2259	No	Flare	Patrol								
		21	0017		0500	No	Flare	Patrol								
		21	1702		1848	No	Flare	Patrol								
		21	1902		1914	No	Flare	Patrol								
		21	2106		2257	No	Flare	Patrol								
		21	2310		2329	No	Flare	Patrol								
		21	2341		2400	No	Flare	Patrol								
		22	0000		0524	No	Flare	Patrol								
		22	2227		2328	No	Flare	Patrol								
		23	0036		0451	No	Flare	Patrol								
		23	1906		1957	No	Flare	Patrol								
		23	2001		2047	No	Flare	Patrol								
		23	2052		2400	No	Flare	Patrol								
		24	0000		0435	No	Flare	Patrol								
		24	1700		2400	No	Flare	Patrol								
		25	0000		0441	No	Flare	Patrol								
		26	0210		0428	No	Flare	Patrol								
0014		26	0534	05372	0547	S20	W70	11100	08	20.9	13	SF			26	H
	LEAR	26	0534	0537	0547	S18	W71	11100	08	20.8	13	SF	2	E	33	H
	SVTO	26	0534	0539	0547	S21	W68	11100	08	21.0	13	SF	3	E	19	
		27	0130		0313	No	Flare	Patrol								
		27	0347		0435	No	Flare	Patrol								
		27	1904		1909	No	Flare	Patrol								
		27	2319		2331	No	Flare	Patrol								
		27	2339		2400	No	Flare	Patrol								
		28	0000		0235	No	Flare	Patrol								
		28	1652		1959	No	Flare	Patrol								
		28	2026		2033	No	Flare	Patrol								
		28	2111		2132	No	Flare	Patrol								
		28	2140		2206	No	Flare	Patrol								
		28	2318		2323	No	Flare	Patrol								
		29	1846		2144	No	Flare	Patrol								
		29	2152		2238	No	Flare	Patrol								
		29	2319		2400	No	Flare	Patrol								
		30	0000		0149	No	Flare	Patrol								
		30	1901		1907	No	Flare	Patrol								
		30	1912		2022	No	Flare	Patrol								
		30	2028		2036	No	Flare	Patrol								
		30	2044		2056	No	Flare	Patrol								
		30	2107		2149	No	Flare	Patrol								
		30	2228		2236	No	Flare	Patrol								

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							Region	CMP Mo Day						Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		31	0034		0133	No	Flare	Patrol									
		31	0309		0352	No	Flare	Patrol									
		31	0500		0514	No	Flare	Patrol									
		31	0553		0607	No	Flare	Patrol									
		31	0624		0626	No	Flare	Patrol									
		31	0713		0716	No	Flare	Patrol									
		31	0719		0727	No	Flare	Patrol									
		31	0729		0730	No	Flare	Patrol									
		31	0749		0750	No	Flare	Patrol									
		31	0755		0756	No	Flare	Patrol									
		31	0804		0805	No	Flare	Patrol									
		31	1714		1730	No	Flare	Patrol									
		31	2211		2229	No	Flare	Patrol									

"Remarks"

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