

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP Mo	Day	Dur (Min)	Imp		Obs See	Type	Time (UT)	Area Measurement		Remarks
							Region				Opt	Xray				Apparent (10-6 Disk)	Corr (Sq Deg)	
		01 1726		1745	No	Flare	Patrol											
		01 1814		1927	No	Flare	Patrol											
		01 2050		2147	No	Flare	Patrol											
		01 2159		2258	No	Flare	Patrol											
0001	LEAR	01 2357	2358	0005	N24	E37	11043	03	4.8	8	SF		3	E			13	
		02 0000		0016	No	Flare	Patrol											
		02 1604		1625	No	Flare	Patrol											
		02 1629		1744	No	Flare	Patrol											
		02 1803		1846	No	Flare	Patrol											
		02 1854		1951	No	Flare	Patrol											
		02 2058		2106	No	Flare	Patrol											
		02 2137		2245	No	Flare	Patrol											
		03 1040		1229	No	Flare	Patrol											
		03 1231		1242	No	Flare	Patrol											
		03 1245		1250	No	Flare	Patrol											
		03 1252		1301	No	Flare	Patrol											
		03 1303		1304	No	Flare	Patrol											
		03 1311		1315	No	Flare	Patrol											
		03 1317		1326	No	Flare	Patrol											
		03 1332		1339	No	Flare	Patrol											
		03 1341		1343	No	Flare	Patrol											
		03 1346		1349	No	Flare	Patrol											
		03 1431		1437	No	Flare	Patrol											
		04 1148		1347	No	Flare	Patrol											
0002	HOLL	04 2134	2135	2138	S16	W67	11052	02	27.9	4	SF		3	E			12	FH
		05 1106		1108	No	Flare	Patrol											
		05 1227		1230	No	Flare	Patrol											
		05 1234		1235	No	Flare	Patrol											
		05 1252		1254	No	Flare	Patrol											
		05 1309		1312	No	Flare	Patrol											
0003	LEAR	06 0107	0107	0109	S22	W93	11053	02	27.0	2	SF		2	E			10	
		06 1334		2243	No	Flare	Patrol											
		07 1009		1024	No	Flare	Patrol											
		07 1037		1104	No	Flare	Patrol											
		07 1120		1121	No	Flare	Patrol											
		07 1126		1128	No	Flare	Patrol											
		07 1135		2003	No	Flare	Patrol											

HÀ S O L A R F L A R E S

MARCH 2010

Sta	Day	Start	Max	End	NOAA/		Dur	Imp		Obs	Area Measurement			Remarks
		(UT)	(UT)	(UT)	Lat	Region		Opt	Xray		Time	Apparent	Corr	
							(Min)			See	(UT)	(10-6 Disk)	(Sq Deg)	
		11 1033			1306	No Flare	Patrol							
		11 1359			1504	No Flare	Patrol							
		11 1512			1521	No Flare	Patrol							
		11 1913			1920	No Flare	Patrol							
0004	HOLL	11 2038	2039	2042	N12 E47	11054	03 15.4	4	SF	3	E		11	FH
		11 2059			2105	No Flare	Patrol							
		11 2111			2123	No Flare	Patrol							
		12 0152			0205	No Flare	Patrol							
		12 0216			0232	No Flare	Patrol							
		12 0427			0436	No Flare	Patrol							
		12 1132			1138	No Flare	Patrol							
		12 1141			1146	No Flare	Patrol							
		12 1307			1309	No Flare	Patrol							
		12 1317			1321	No Flare	Patrol							
0005	HOLL	12 1815	1825	1847	N13 E33	11054	03 15.2	32	SF	3	E		38	
		13 0102			0215	No Flare	Patrol							
0006	LEAR	13 0246	0246	0252	N13 E27	11054	03 15.1	6	SF	2	E		11	E
0007	LEAR	13 0259	0259	0303	N13 E27	11054	03 15.2	4	SF	2	E		16	E
0008	LEAR	13 0305	0305	0308	N14 E27	11054	03 15.2	3	SF	2	E		10	
		13 1100			1102	No Flare	Patrol							
		13 1107			1109	No Flare	Patrol							
		13 1111			1124	No Flare	Patrol							
		13 1126			1131	No Flare	Patrol							
		13 1136			1139	No Flare	Patrol							
		13 1142			1151	No Flare	Patrol							
		13 1154			1157	No Flare	Patrol							
		13 1159			1201	No Flare	Patrol							
		13 1203			1205	No Flare	Patrol							
		13 1207			1208	No Flare	Patrol							
		13 1210			1257	No Flare	Patrol							
		13 1307			1310	No Flare	Patrol							
		13 1316			1319	No Flare	Patrol							
		13 1321			1335	No Flare	Patrol							
0009		13 23351	23401	0036	N14 E16	11054	03 15.2	61	SF				18	EFU
	LEAR	13 2335	2340	0039	N13 E17	11054	03 15.3	64	SF	2	E		19	FE
	HOLL	13 2336	2341	0033	N14 E15	11054	03 15.1	57	SF	3	E		17	UF
0010	LEAR	14 0419	0420	0428	N13 E15	11054	03 15.3	9	SF	3	E		42	E
0011	LEAR	14 0523	0525	0529	N13 E11	11054	03 15.0	6	SF	2	E		12	
0012	LEAR	14 0654	0701	0703	N14 E14	11054	03 15.3	9	SF	2	E		21	
		14 2127			2219	No Flare	Patrol							
		15 1641			1645	No Flare	Patrol							
		15 1700			2236	No Flare	Patrol							
		18 1627			1749	No Flare	Patrol							
0013	HOLL	18 2305	2308	2316	N19 W57	11054	03 14.6	11	SF	3	E		22	
0014	LEAR	19 0833	0833	0837	N15 W61	11054	03 14.7	4	SF	3	E		14	
		19 2149			2207	No Flare	Patrol							
		19 2218			2226	No Flare	Patrol							
		20 0212			0220	No Flare	Patrol							
		20 1558			1636	No Flare	Patrol							
		20 1638			1646	No Flare	Patrol							
		20 1704			1938	No Flare	Patrol							

HÀ S O L A R F L A R E S

MARCH 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)	
0015		20	2311	2312*	2324	N17	E06	11056	03	21.4	13	SF					27	H
	LEAR	20	2311	2312	2323	N17	E06	11056	03	21.4	12	SF	3	E			44	
	HOLL	20	2312	2322	2325	N17	E06	11056	03	21.4	13	SF	3	E			10	H
0016	LEAR	21	0122	0123	0127	N18	E04	11056	03	21.4	5	SF	2	E			11	
0017	LEAR	21	0903	0907U	0926D	N18	E00	11056	03	21.4	23D	SF	1	E			69	
		22	1024		1533	No	Flare	Patrol										
		22	1556		1649	No	Flare	Patrol										
		22	1704		1717	No	Flare	Patrol										
		22	2205		2237	No	Flare	Patrol										
		22	2320		2343	No	Flare	Patrol										
		23	0022		0050	No	Flare	Patrol										
		23	0237		0307	No	Flare	Patrol										
		23	0543		0943	No	Flare	Patrol										
		23	0946		1059	No	Flare	Patrol										
		23	1106		1123	No	Flare	Patrol										
		23	1125		1130	No	Flare	Patrol										
		23	1144		1145	No	Flare	Patrol										
		23	1525		1606	No	Flare	Patrol										
		23	1621		2245	No	Flare	Patrol										
		24	2103		2211	No	Flare	Patrol										
0018	HOLL	25	1409	1416	1427	N16	E49	11057	03	29.3	18	SF	3	E			12	
		25	1607		1703	No	Flare	Patrol										
		26	1935		2017	No	Flare	Patrol										
		26	2027		2304	No	Flare	Patrol										
0019	LEAR	27	0756	0756	0810	N15	E27	11057	03	29.4	14	SF	3	E			47	E
0020	KANZ	27	1005E	1013E	1017U	N14	E26	11057	03	29.4	12U	SF	2	E				
		27	1019		1042	No	Flare	Patrol										
0021	HOLL	27	1826	1828	1838	N14	E22	11057	03	29.4	12	SF	3	E			51	
		27	1944		1948	No	Flare	Patrol										
		27	2055		2116	No	Flare	Patrol										
		27	2131		2153	No	Flare	Patrol										
0022	LEAR	28	0936	0936	0942	N16	E12	11057	03	29.3	6	SF	3	E			16	
		30	1016		1028	No	Flare	Patrol										
		30	1030		1034	No	Flare	Patrol										
		30	1052		1058	No	Flare	Patrol										
		30	1141		1302	No	Flare	Patrol										
		30	1306		1311	No	Flare	Patrol										
		30	1321		1323	No	Flare	Patrol										
		30	1326		1333	No	Flare	Patrol										
		30	1920		1929	No	Flare	Patrol										
		31	0534		0630	No	Flare	Patrol										
		31	2050		2056	No	Flare	Patrol										
		31	2137		2201	No	Flare	Patrol										
		31	2225		2256	No	Flare	Patrol										

"Remarks"

A = Eruptive prominence whose base is less than 90 degrees 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

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

activity.

M = White-light flare.

N = Continuous spectrum shows effects of
polarization.

intensity.

X = Unusually wide H-alpha line.

Y = System of loop-type prominences.

Z = Major sunspot umbra covered by flare.

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual