

HÀ S O L A R F L A R E S

SEPTEMBER 2009

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks
							USAF Region					Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		01	2015		2040	No	Flare	Patrol							
		01	2133		2249	No	Flare	Patrol							
		02	1234		1257	No	Flare	Patrol							
		03	1337		1339	No	Flare	Patrol							
		03	1341		1345	No	Flare	Patrol							
		03	1408		1413	No	Flare	Patrol							
		03	1423		1432	No	Flare	Patrol							
		03	1644		1715	No	Flare	Patrol							
		03	1726		2256	No	Flare	Patrol							
		04	1616		1837	No	Flare	Patrol							
		04	1842		2008	No	Flare	Patrol							
		04	2013		2051	No	Flare	Patrol							
		05	0220		0253	No	Flare	Patrol							
		05	0306		0513	No	Flare	Patrol							
		05	1031		1041	No	Flare	Patrol							
		05	1107		1156	No	Flare	Patrol							
		05	1206		1210	No	Flare	Patrol							
		05	1212		1213	No	Flare	Patrol							
		05	1223		1224	No	Flare	Patrol							
		05	1229		1231	No	Flare	Patrol							
		05	1234		1241	No	Flare	Patrol							
		05	1246		1248	No	Flare	Patrol							
		05	1250		1251	No	Flare	Patrol							
		05	1256		1304	No	Flare	Patrol							
		05	1337		1344	No	Flare	Patrol							
		05	1352		1353	No	Flare	Patrol							
		05	1355		1356	No	Flare	Patrol							
		05	1358		1414	No	Flare	Patrol							
		05	1434		1601	No	Flare	Patrol							
		05	2125		2141	No	Flare	Patrol							
		05	2215		2251	No	Flare	Patrol							
		06	1036		1037	No	Flare	Patrol							
		06	1041		1046	No	Flare	Patrol							
		06	1048		1114	No	Flare	Patrol							
		06	1131		1223	No	Flare	Patrol							
		06	1225		1228	No	Flare	Patrol							
		06	1240		1246	No	Flare	Patrol							
		06	1251		1302	No	Flare	Patrol							
		06	1311		1321	No	Flare	Patrol							
		06	1332		1345	No	Flare	Patrol							
		06	1348		1400	No	Flare	Patrol							
		06	1418		1432	No	Flare	Patrol							
		06	1616		1623	No	Flare	Patrol							
		06	1633		1945	No	Flare	Patrol							
		06	2126		2250	No	Flare	Patrol							
		07	1646		1652	No	Flare	Patrol							
		07	2055		2239	No	Flare	Patrol							
		08	1631		2012	No	Flare	Patrol							
		09	1202		1301	No	Flare	Patrol							
		09	2125		2238	No	Flare	Patrol							
		10	1049		1052	No	Flare	Patrol							
		10	1121		1126	No	Flare	Patrol							
		10	1130		1133	No	Flare	Patrol							
		10	1230		1416	No	Flare	Patrol							
		10	1617		1652	No	Flare	Patrol							
		10	1700		1846	No	Flare	Patrol							
		10	2131		2246	No	Flare	Patrol							
		10	2251		2313	No	Flare	Patrol							
		11	0045		0056	No	Flare	Patrol							
		11	0102		0203	No	Flare	Patrol							
		11	1419		1457	No	Flare	Patrol							
		11	1523		1547	No	Flare	Patrol							
		11	1818		1852	No	Flare	Patrol							
		11	2040		2250	No	Flare	Patrol							
		11	2335		2400	No	Flare	Patrol							
		12	0000		0113	No	Flare	Patrol							
		12	0219		0235	No	Flare	Patrol							
		12	0319		0323	No	Flare	Patrol							
		12	0410		0438	No	Flare	Patrol							
		12	0504		0509	No	Flare	Patrol							

H A S O L A R F L A R E S

SEPTEMBER 2009

						NOAA/ USAF		CMP	Dur	Imp	Obs	Area Measurement			Corr			
Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Region	Mo	Day	(Min)	Opt	Xray	See	Type	Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		12	2039		2044	No	Flare	Patrol										
		12	2200		2243	No	Flare	Patrol										
		13	1051		1059	No	Flare	Patrol										
		13	1231		1234	No	Flare	Patrol										
		13	1256		1304	No	Flare	Patrol										
		13	1754		1759	No	Flare	Patrol										
		14	1510		1521	No	Flare	Patrol										
		14	1528		1656	No	Flare	Patrol										
		14	1846		1943	No	Flare	Patrol										
		14	2021		2116	No	Flare	Patrol										
		15	0026		0106	No	Flare	Patrol										
		15	0835		0837	No	Flare	Patrol										
		15	1008		1018	No	Flare	Patrol										
		15	1020		1025	No	Flare	Patrol										
		15	1124		1125	No	Flare	Patrol										
		16	1009		1320	No	Flare	Patrol										
		16	1735		1922	No	Flare	Patrol										
		16	2026		2239	No	Flare	Patrol										
		17	1504		1511	No	Flare	Patrol										
		17	1516		2240	No	Flare	Patrol										
		18	1747		1753	No	Flare	Patrol										
		18	1826		1834	No	Flare	Patrol										
		18	2205		2238	No	Flare	Patrol										
		19	1247		1258	No	Flare	Patrol										
		19	1300		1302	No	Flare	Patrol										
		19	1526		1604	No	Flare	Patrol										
		19	1702		1810	No	Flare	Patrol										
		19	1931		1936	No	Flare	Patrol										
		19	2052		2234	No	Flare	Patrol										
		20	0101		0202	No	Flare	Patrol										
		20	1009		1135	No	Flare	Patrol										
		20	1152		1308	No	Flare	Patrol										
		21	0000		0031	No	Flare	Patrol										
		21	0145		0218	No	Flare	Patrol										
		21	1016		1017	No	Flare	Patrol										
		21	1031		1122	No	Flare	Patrol										
		21	1156		1157	No	Flare	Patrol										
		21	1203		1204	No	Flare	Patrol										
		21	1353		1356	No	Flare	Patrol										
		21	2049		2146	No	Flare	Patrol										
		21	2232		2251	No	Flare	Patrol										
		22	0000		0007	No	Flare	Patrol										
		22	0009		0154	No	Flare	Patrol										
		22	1439		1809	No	Flare	Patrol										
		24	1356		1449	No	Flare	Patrol										
0001	HOLL	24	2345	2353	2401	S32	E28	11026	09	27.2	16	SF		4	E		25	EF
		25	1006		1108	No	Flare	Patrol										
		25	1129		1232	No	Flare	Patrol										
		25	1300		1301	No	Flare	Patrol										
		25	1405		1559	No	Flare	Patrol										
		27	1148		1154	No	Flare	Patrol										
		27	1158		1205	No	Flare	Patrol										
		27	1207		1216	No	Flare	Patrol										
		27	1220		1221	No	Flare	Patrol										
		27	1228		1229	No	Flare	Patrol										
		27	1231		1314	No	Flare	Patrol										
		29	0248		0259	No	Flare	Patrol										
		29	0514		0545	No	Flare	Patrol										
		29	2355		2400	No	Flare	Patrol										
		30	0000		0015	No	Flare	Patrol										
		30	0043		0144	No	Flare	Patrol										
		30	0207		0333	No	Flare	Patrol										
		30	0414		0512	No	Flare	Patrol										
		30	1652		1706	No	Flare	Patrol										
		30	2031		2042	No	Flare	Patrol										

"Remarks"

A = Eruptive prominence whose base is less than

O = Observations have been made in the H and K

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 activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.

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.

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