

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF/			Dur (Min)	Imp		Obs See	Time (UT)	Area Measurement		Remarks
						Region	CMP Mo	Day		Opt	Xray			Apparent (10-6 Disk)	Corr (Sq Deg)	
		01 0021			0119	No Flare	Patrol									
		01 1026			1030	No Flare	Patrol									
		01 1110			1133	No Flare	Patrol									
		01 1137			1321	No Flare	Patrol									
		03 1115			1234	No Flare	Patrol									
		03 1236			1243	No Flare	Patrol									
		03 1247			1249	No Flare	Patrol									
		03 1319			1339	No Flare	Patrol									
		04 1136			1307	No Flare	Patrol									
		04 1431			1617	No Flare	Patrol									
		05 1423			1425	No Flare	Patrol									
0001	HOLL	05 2012E	2014U	2016D	S19 E65	11121	11	10.8	4D	SF		3	E		12	
0002	HOLL	05 2328E	2328U	2336D	S19 E62	11121	11	10.7	8D	SF		3	E		20	
0003	LEAR	05 2356E	0002U	0009D	S20 E76	11121	11	11.8	13D	SF		3	E		47	
0004	KANZ	06 0825	0835	0846	S17 E61	11121	11	11.0	21	SF		2	E			
		06 1100			1110	No Flare	Patrol									
0005		06 1342	1345	1355	S20 E60	11121	11	11.1	13	SF					17	F
	KANZ	06 1342	1345	1355	S20 E60	11121	11	11.1	13	SF		2	E			
	SVTO	06 1342E	1346U	1357D	S20 E60	11121	11	11.1	15D	SF		3	E		17	F
0006	HOLL	06 1532E	1536U	1711D	S19 E58	11121	11	11.1	99D	1N		3	E		247	FH
0007	HOLL	06 1712E	1712U	1727D	S19 E49	11121	11	10.4	15D	SF		4	E		18	F
0008	LEAR	07 0137E	0139U	0152D	S22 E53	11121	11	11.1	15D	1F		3	E		100	
		07 1029			1343	No Flare	Patrol									
		07 1351			1444	No Flare	Patrol									
		07 1534			1645	No Flare	Patrol									
		07 1709			1731	No Flare	Patrol									
		08 1020			1109	No Flare	Patrol									
		08 1134			1150	No Flare	Patrol									
		08 1218			1344	No Flare	Patrol									
		09 1129			1347	No Flare	Patrol									
		09 1446			1510	No Flare	Patrol									
		09 1517			1536	No Flare	Patrol									
		09 1556			1605	No Flare	Patrol									
		09 1619			1642	No Flare	Patrol									
		09 1932			1956	No Flare	Patrol									
		09 2252			2400	No Flare	Patrol									
		10 0000			0108	No Flare	Patrol									
0009		10 1225	1226	1245	S22 E24	11123	11	12.4	20	SF					16	F

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF		Dur (Min)	Imp		Obs See	Area Measurement			Remarks
							Region	CMP Mo Day		Opt	Xray		Type	Time (UT)	Apparent (10-6 Disk)	
		11 1031		1142	No Flare	Patrol										
		11 1230		1232	No Flare	Patrol										
		11 1234		1250	No Flare	Patrol										
		11 1256		1347	No Flare	Patrol										
0016	HOLL	11 1610E	1614U	1651D	S26 E08	111123	11 12.3	41D SF		3	E			67		FH
0017	HOLL	11 1859E	1901U	1908D	N14 E28	111124	11 13.9	9D SF		3	E			10		
0018	HOLL	11 1927E	1928U	1937D	S26 E06	111123	11 12.3	10D SF		3	E			25		H
0019	HOLL	11 1943E	1944U	1953D	N14 E27	111124	11 13.9	10D SF		3	E			21		FH
0020	HOLL	11 2051E	2055U	2101D	N14 E27	111124	11 13.9	10D SF		3	E			14		H
0021	LEAR	12 0133E	0134U	0142D	S24 E03	111123	11 12.3	9D SF		3	E			39		
0022		12 0802	0810	0824	S22 E00	111123	11 12.3	22 SF						32		F
	KANZ	12 0802	0810	0824	S22 W00	111123	11 12.3	22 SF		2	E					
	SVTO	12 0802E	0810U	0826D	S22 W00	111123	11 12.3	24D SF		3	E			32		F
0023		12 1342	13453	1408	S22 W02	111123	11 12.4	26 SF						38		
	SVTO	12 1342E	1345	1408	S21 W03	111123	11 12.3	26D SF		3	E			38		
	KANZ	12 1342	1348	1407	S22 W02	111123	11 12.4	25 SF		2	E					
0024		13 1131	1133	1146	S22 W16	111123	11 12.2	15 SF						48		F
	KANZ	13 1131	1133	1146	S22 W15	111123	11 12.3	15 SF		2	E					
	SVTO	13 1132E	1134U	1152D	S23 W16	111123	11 12.2	20D SF		3	E			48		F
0025	HOLL	13 1710E	1713U	1719D	N18 E13	111125	11 14.7	9D SF		3	E			11		
0026	HOLL	13 1750E	1750U	1754D	N18 E12	111125	11 14.6	4D SF		3	E			12		
0027	LEAR	13 2355E	2356U	0002D	S23 W26	111123	11 12.0	7D SF		3	E			29		F
		14 0000		0019	No Flare	Patrol										
		14 0708		0710	No Flare	Patrol										
0028	LEAR	14 0809E	0811U	0813D	N12 W08	111124	11 13.7	4D SF		3	E			54		F
		14 1954		2001	No Flare	Patrol										
		14 2014		2034	No Flare	Patrol										
		14 2041		2047	No Flare	Patrol										
		14 2100		2145	No Flare	Patrol										
0029		15 0306E	0317U	0340D	N12 W19	111124	11 13.7	34D SF						18		FH
	LEAR	15 0306E	0317U	0330D	N12 W19	111124	11 13.7	24D SF		3	E			20		FH
	LEAR	15 0331E	0332U	0340D	N12 W19	111124	11 13.7	9D SF		3	E			15		F
0030		15 0600E	0602U	0611D	N14 W21	111124	11 13.7	11D SF						33		
	LEAR</															

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF		Dur (Min)	Imp		Obs See	Time (UT)	Area Measurement		Remarks
							Region	Mo		Day	Opt			Xray	Type	
		16	0000		0045	No	Flare	Patrol								
		16	0112		0138	No	Flare	Patrol								
		16	0214		0235	No	Flare	Patrol								
		16	0529		1352	No	Flare	Patrol								
		16	2028		2302	No	Flare	Patrol								
		16	2312		2349	No	Flare	Patrol								
0036	LEAR	17	0020E	0023U	0025D	N14	W45	11124	11	13.6	5D	SF	1	E	10	
		17	0049		0521	No	Flare	Patrol								
		17	0614		0626	No	Flare	Patrol								
		17	1200		1225	No	Flare	Patrol								
		17	1229		1304	No	Flare	Patrol								
		17	1309		1325	No	Flare	Patrol								
		17	1329		1347	No	Flare	Patrol								
		17	1541		1733	No	Flare	Patrol								
		17	2031		2400	No	Flare	Patrol								
		18	0000		0736	No	Flare	Patrol								
		18	0748		0749	No	Flare	Patrol								
		18	0751		0832	No	Flare	Patrol								
		18	0834		0836	No	Flare	Patrol								
		18	0842		0852	No	Flare	Patrol								
		18	0915		1032	No	Flare	Patrol								
		18	1051		1119	No	Flare	Patrol								
		18	1122		1134	No	Flare	Patrol								
		18	1136		1202	No	Flare	Patrol								
		18	1206		1354	No	Flare	Patrol								
		18	1558		1745	No	Flare	Patrol								
		18	2351		2400	No	Flare	Patrol								
		19	0000		0301	No	Flare	Patrol								
		19	0550		0728	No	Flare	Patrol								
		19	0745		1030	No	Flare	Patrol								
		19	1041		1101	No	Flare	Patrol								
		19	1105		1246	No	Flare	Patrol								
		19	1304		1328	No	Flare	Patrol								
		19	2350		2400	No	Flare	Patrol								
		20	0000		0351	No	Flare	Patrol								
		20	0502		0705	No	Flare	Patrol								
		20	0707		0708	No	Flare	Patrol								
		20	0710		0738	No	Flare	Patrol								
		20	0744		0803	No	Flare	Patrol								
		20	0810		0811	No	Flare	Patrol								
		20	0813		0814	No	Flare	Patrol								
		20	0817		0828	No	Flare	Patrol</								

HÀ S O L A R F L A R E S

NOVEMBER 2010

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
							Region	Mo Day						Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		22	2349		2400	No	Flare	Patrol									
		23	0000		0658	No	Flare	Patrol									
		23	1039		1134	No	Flare	Patrol									
		23	1137		1139	No	Flare	Patrol									
		23	1142		1357	No	Flare	Patrol									
		23	2119		2147	No	Flare	Patrol									
		24	0357		0416	No	Flare	Patrol									
		24	1051		1124	No	Flare	Patrol									
		24	1246		1249	No	Flare	Patrol									
		24	1435		1908	No	Flare	Patrol									
		24	1931		1950	No	Flare	Patrol									
		24	2159		2208	No	Flare	Patrol									
0037	LEAR	24	2358E	2359U	0002D	S33	E77		12	1.1	4D	SF	3	E		18	
		25	1441		1450	No	Flare	Patrol									
		25	1507		1836	No	Flare	Patrol									
		25	2107		2121	No	Flare	Patrol									
		25	2130		2152	No	Flare	Patrol									
		25	2211		2213	No	Flare	Patrol									
		27	0422		0739	No	Flare	Patrol									
		27	0938		1359	No	Flare	Patrol									
		27	1406		1447	No	Flare	Patrol									
		27	1451		1501	No	Flare	Patrol									
		27	1603		1616	No	Flare	Patrol									
		27	1800		1805	No	Flare	Patrol									
		27	2020		2029	No	Flare	Patrol									
		27	2040		2111	No	Flare	Patrol									
		27	2348		2400	No	Flare	Patrol									
		28	0000		0136	No	Flare	Patrol									
		28	0200		0319	No	Flare	Patrol									
		28	0353		0519	No	Flare	Patrol									
		28	0529		1010	No	Flare	Patrol									
		28	1042		1400	No	Flare	Patrol									
		28	2144		2151	No	Flare	Patrol									
		28	2319		2400	No	Flare	Patrol									
		29	0000		0011	No	Flare	Patrol									
		29	0949		1400	No	Flare	Patrol									
		29	1918		1932	No	Flare	Patrol									
		29	1954		2006	No	Flare	Patrol									
		29	2010		2023	No	Flare	Patrol									
		29	2146		2336	No	Flare	Patrol									
		30	0002		0238	No	Flare	Patrol									
		30	0648		0830	No	Flare	Patrol									
		30	1044		1254	No	Flare	Patrol									
		30	1256		1300	No	Flare	Patrol									
		30	1317		1318	No	Flare	Patrol									
		30	1321		1322	No	Flare	Patrol									
		30	1326		1327	No	Flare	Patrol									
		30	1336		1337	No	Flare	Patrol									
		30	1342		1401	No	Flare	Patrol									

Remarks

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

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