

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF			Dur (Min)	Imp		Obs See	Time (UT)	Area Measurement		Remarks
						CMD	Region	CMP Mo Day		Opt	Xray			Apparent (10-6 Disk)	Corr (Sq Deg)	
0001	LEAR	02	0721	0723	0746	S29	W37	11039 12	30.5	25	SF	3	E		24	
0002	LEAR	02	0803	0803	0811	S29	W37	11039 12	30.5	8	SF	3	E		10	
0003	LEAR	02	0905	0906	0914	S29	W39	11039 12	30.4	9	SF	3	E		30	
0004	LEAR	02	0915	0917	0921	S29	W38	11039 12	30.5	6	SF	3	E		94	
		02	1128		1132	No	Flare	Patrol								
		02	1414		1420	No	Flare	Patrol								
		02	1636		1716	No	Flare	Patrol								
		02	1829		1917	No	Flare	Patrol								
		02	1937		1945	No	Flare	Patrol								
		02	2008		2016	No	Flare	Patrol								
		02	2039		2053	No	Flare	Patrol								
0005	HOLL	02	2241	2246	2259	S27	W44	11039 12	30.6	18	SF	3	E		36	FU
0006	HOLL	02	2301	2312	0000D	S32	W48	11039 12	30.2	59D	1F	3	E		121	FH
0007	LEAR	03	0120	0121	0155	S30	W52	11039 12	30.1	35	1N	3	E		100	E
		03	1402		1411	No	Flare	Patrol								
		03	1416		1421	No	Flare	Patrol								
0008	HOLL	03	1601	1601	1611	S27	W58	11039 12	30.2	10	SF	3	E		18	F
0009	HOLL	03	2047	2047	2051	S27	W61	11039 12	30.2	4	SF	3	E		10	
0010	LEAR	04	0339	0342	0346	S29	W65	11039 12	30.1	7	SF	3	E		52	
		04	1101		1421	No	Flare	Patrol								
		05	1101		1421	No	Flare	Patrol								
		06	1332		1405	No	Flare	Patrol								
		06	1429		1500	No	Flare	Patrol								
		07	1505		1659	No	Flare	Patrol								
		07	1727		1740	No	Flare	Patrol								
		07	1825		1832	No	Flare	Patrol								
		07	1913		2100	No	Flare	Patrol								
		07	2106		2222	No	Flare	Patrol								
		08	1102		2230	No	Flare	Patrol								
		09	0005		0050	No	Flare	Patrol								
		09	0115		0213	No	Flare	Patrol								
		09	1156		1211	No	Flare	Patrol								
		09	1243		1313	No	Flare	Patrol								
		09	1320		1609	No	Flare	Patrol								
		09	1735		1743	No	Flare	Patrol								
		09	2216		2400	No	Flare	Patrol								
		10	0000		0007	No	Flare	Patrol								
0011	LEAR	10	0009													

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	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)	
		12	2018		2032	No	Flare	Patrol								
		13	0149		0417	No	Flare	Patrol								
		13	1004		1006	No	Flare	Patrol								
		13	1019		1022	No	Flare	Patrol								
		13	1047		1048	No	Flare	Patrol								
		13	1106		1108	No	Flare	Patrol								
		13	1129		1130	No	Flare	Patrol								
		13	1136		1139	No	Flare	Patrol								
		13	1159		1200	No	Flare	Patrol								
		13	1202		1421	No	Flare	Patrol								
		13	1841		1908	No	Flare	Patrol								
		13	1943		2400	No	Flare	Patrol								
		14	0000		0053	No	Flare	Patrol								
0016	LEAR	14	0115	0119	0144	N26	W18	11040 01	12.6	29	SF		3	E		38
		14	0210		0337	No	Flare	Patrol								
0017	LEAR	14	0338E	0338	0354	N26	W19	11040 01	12.7	16D	SF		3	E		23
		14	0401		0449	No	Flare	Patrol								
		14	0454		0520	No	Flare	Patrol								
		14	0705		0733	No	Flare	Patrol								
		14	0811		1025	No	Flare	Patrol								
		14	1041		1445	No	Flare	Patrol								
		14	1503		1554	No	Flare	Patrol								
		14	1628		1643	No	Flare	Patrol								
		14	1700		1711	No	Flare	Patrol								
		14	1742		1747	No	Flare	Patrol								
		14	2004		2012	No	Flare	Patrol								
		14	2029		2250	No	Flare	Patrol								
		14	2307		2400	No	Flare	Patrol								
		15	0000		0010	No	Flare	Patrol								
		15	0721		1017	No	Flare	Patrol								
		15	1114		1505	No	Flare	Patrol								
		16	0014		0033	No	Flare	Patrol								
		16	1016		1317	No	Flare	Patrol								
		16	2020		2032	No	Flare	Patrol								
		16	2145		2243	No	Flare	Patrol								
		16	2253		2304	No	Flare	Patrol								
		16	2308		2400	No	Flare	Patrol								
		17	0000		0137	No	Flare	Patrol								
		17	0149		0310	No	Flare	Patrol								
		17	0731		0852	No	Flare	Patrol								
		17	1142		1145	No	Flare	Patrol								

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF CMP			Dur (Min)	Imp			Obs Type	Area Measurement			Remarks
						CMD	Region	Mo Day		Opt	Xray	See		Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		19	1442		2220	No Flare	Patrol										
0020	LEAR	19	2314	2321	2324	S25 E92	11041 01	27.1	10	4F		3	E				
0021	LEAR	19	2326	2326	2330	S27 E88	11041 01	26.8	4	4F		3	E				
0022	LEAR	19	2333	2334	2348	S25 E92	11041 01	27.1	15	4F		3	E				
0023	LEAR	20	0702	0706	0715	S25 E92	11041 01	27.4	13	SF		3	E		54		
0024	LEAR	20	0728	0728	0735	S24 E87	11041 01	27.0	7	SF		3	E		25		
0025	LEAR	20	0742	0756	0758	S24 E88	11041 01	27.1	16	SF		3	E		22		EY
0026	LEAR	20	0817	0821	0824	S24 E88	11041 01	27.1	7	SF		3	E		18		
0027	LEAR	20	0923	0923	0929	S24 E88	11041 01	27.2	6	SF		3	E		14		
		20	1532		1635	No Flare	Patrol										
0028	HOLL	20	1731	1731	1737	S26 E83	11041 01	27.2	6	SF		3	E		45		
0029	HOLL	20	1753	1755	1810	S26 E81	11041 01	27.0	17	SF		3	E		70		H
0030	LEAR	21	0119	0121	0125	S24 E79	11041 01	27.1	6	SF		3	E		33		E
0031	LEAR	21	0321	0324	0327	S25 E75	11041 01	27.0	6	SF		3	E		21		
		21	1214		1216	No Flare	Patrol										
		21	1220		1221	No Flare	Patrol										
		21	1223		1224	No Flare	Patrol										
		21	1240		1243	No Flare	Patrol										
		21	1247		1248	No Flare	Patrol										
		21	1256		1805	No Flare	Patrol										
		21	1823		2225	No Flare	Patrol										
		22	1102		1236	No Flare	Patrol										
		22	1331		1344	No Flare	Patrol										
		22	1346		1347	No Flare	Patrol										
		22	1405		1414	No Flare	Patrol										
		22	1449		2220	No Flare	Patrol										
		23	1450		1853	No Flare	Patrol										
		23	1931		2023	No Flare	Patrol										
		23	2042		2243	No Flare	Patrol										
		24	0607		0812	No Flare	Patrol										
		24	1102		1336	No Flare	Patrol										
		24	1350		1434	No Flare	Patrol										
		25	1102		1535	No Flare	Patrol										
		25	1611		1625	No Flare	Patrol										
		25	1834		1955	No Flare	Patrol										
		26	0019		0429	No Flare	Patrol										

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

J A N U A R Y 2 0 1 0

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
							Region	CMP Mo Day							Apparent (10-6 Disk)	Corr (Sq Deg)	
		30	1626		1646	No Flare	Patrol										
		30	2206		2216	No Flare	Patrol										
		30	2246		2256	No Flare	Patrol										
0032	HOLL	30	2306	2310	2311D	N25 E36	11043	02	2.7	5D	SF	3	E		12		EH
0033	LEAR	31	0151	0154	0201	N25 E35	11043	02	2.8	10	SF	3	E		14		
0034	LEAR	31	0500	0502	0514	N25 E33	11043	02	2.8	14	SF	3	E		18		
		31	1218		1236	No Flare	Patrol										
		31	1241		1242	No Flare	Patrol										
		31	1247		1248	No Flare	Patrol										
		31	1441		1451	No Flare	Patrol										
		31	1457		1509	No Flare	Patrol										
		31	1517		1740	No Flare	Patrol										
		31	1801		1857	No Flare	Patrol										
		31	2030		2241	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 activity.
 M = White-light flare.
 N = Continuous spectrum shows effects of polarization.

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 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