SOLAR FLARES

NOVEMBER 1965

OBSERVATORY	DATE 1965 NOV	OBSERVED UT START	OBSERVED UT END	OBSERVED UT MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION CENTRAL DISTANCE	LOCATION McMATH PLAGE REGION	LOCATION CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME — UT	MEASUREMENTS MEAS. AREA Sq. Deg.	MEASUREMENTS CORR. AREA Sq. Deg.	MEASUREMENTS MAX. WIDTH Hα	MEASUREMENTS MAX. INT.	REMARKS
	01	0455	0500	NO FLARE PATROL															
MANI	01	0513	0543	0517	N09	W08		8042			1-	2		0517	.20	.20			
LOCA	01	1350E	1405		N33	E73		8051		15D	1		S						
HUAN	01	1353E	1359		N31	E80		8051		6D	1-		P	1355	.45				CE
SACP	01	1353	1400	1354	N33	E74		8051			1-		C		.68	1.45		19	
MCMA	01	1354	1404	1355	N33	E78		8051			1-	2	C	1355	.30	1.50			
KANZ	01	1455E	1515		N33	E73		8051			1-								
	02	0110	0150	NO FLARE PATROL															
	02	0230	0235	NO FLARE PATROL															
	02	0315	0420	NO FLARE PATROL															
	02	0440	0630	NO FLARE PATROL															
MANI	02	0513E	0514D		N09	W24		8042			1-	1		0514	.40	.40			
KANZ	02	0749E	0820D		N08	W22		8042			1-								
KANZ	02	0915	0930D		N08	W22		8042			1-								
KANZ	02	0943E	0950D		N09	W23		8042			1-								
KAND	02	1106E	1206		N09	W23		8042			1-			1135		.49			
HUAN	02	1121	1149	1140	N09	W24		8042		28	1-		C	1140	.95	.95			E
CATA	02	1124	1150	1134	N08	W24		8042		26	1-		C	1134	1.07	1.18		148	
CAPS	02	1135	1143		N10	W26		8042		8	1	3		1140	2.50	2.80		140	FI
KANZ	02	1440E	1517D		N09	W27		8042		37D	1								
MANI	02	2216	2243	2220	N09	W35		8042			1-	2		2220	.40	.40			
MANI	03	0017	0026	0020	N12	W38		8042			1-	2		0020	.30	.30			
CULG	03	0719	0745D	0727	N08	W35		8042			1-		P	0727	.80	1.00			
ONDR	03	0723E	0747		N09	W37		8042		24D	1	3		0725			2.00		C
MANI	03	0724	0758	0730	N12	W42		8042			1-	2		0730	1.40	1.60			
MANI	03			0742															
CAPS	03	0734E	0750		N08	W36		8042			1-	3		0740	1.20	1.50		147	
KAND	03	0740E	0910		N09	W34		8042			1-			0745		.80			
UCCL	03	1035E	1156		N10	W43		8042		81D	1-	2							EK
HUAN	03	1258E	1348D		N10	W50		8042		50D			C	1318	.30	.39			
HUAN	03	1407	1428	1413	N09	W28		8042		21	1-		C	1413	.57	.57			E
CAPS	03	1410	1425D		N08	W40		8042			1-	1		1417	1.00	1.30		190	F
MCMA	03	1412	1421	1415	N11	W40		8042			1-	1	C	1415	.50	.70			E
OTTA	03	1413	1420D		N11	W40		8042			1-	1	C	1419	1.02	1.15			
OTTA	03	1635	1640	1636	N10	W41		8042			1-	1	C	1636	.58	.66			
HUAN	03	1711	1721	1714	N10	W50		8042		10	1-		C	1714	.20	.26			D
UCCL	04	1146	1148		N10	W57		8042		2	1-	3							D
LOCK	04	2333	2350	2338	N27	E27		8051			1-		C	2338	.40	.40		10	
CULG	04	2335	2345	2338	N28	E29		8051			1-		C	2338	.40	.50			G
SACP	04	2335	2347U	2338	N28	E29		8051			1-		C		.72	.78		19	
	05	0010	0025	NO FLARE PATROL															
	05	0430	0440	NO FLARE PATROL															
	05	0445	0455	NO FLARE PATROL															
MCMA	05	1420	1625		N28	E19		8051			1-	2	C	1515	.40	.40			EHK
OTTA	05	1445E	1451D		N27	E18		8051			1-	1	C	1449	.23	.24			
CAPS	05	1447	1505		N28	E18		8051			1-	3		1452	.30	.30		180	G
	06	0620	0630	NO FLARE PATROL															
WEND	06	0704E	0752		N27	E09		8051		48D	1				4.00				
CAPE	06	0713	0734	0720	N28	E10		8051		21	1-			0720	1.20	1.30			
ONDR	06	0713	0838		N25	E09		8051		85	1+	2		0724			2.10		CFHJK
CAPS	06	0729E	0738		N28	E09		8051		9D	1	2		0735	1.80	2.00		158	BI
ARCE	06	0842E	0906D		N28	E08		8051		24D	1-	2		0848	.59	.66			
UCCL	06	0956	1022		N29	E13		8051		26	1-	3							E
CAPS	06	1003	1015		N30	E10		8051			1-	3		1012	.30	.30		200	EI
MCMA	06	1424E	1425D		N28	E07		8051			1-	2	P	1425	.20	.20			DH
OTTA	06	1724	1745D		N28	E07		8051			1-	1	C	1744	.91	.92			
LOCK	06	1727U	1745	1735	N27	E05		8051			1-		C	1735	.30	.30		10	
LOCK	06	1755	1840	1816	N27	E05		8051			1-		C	1816	.70	.70		10	K
SACP	06	1757	1838	1820	N28	E04		8051		41	1		C		2.95	2.97		20	
LOCK	06	1817	1830	1820	N30	E40		8056			1-		C	1820	.20	.20		10	
LOCK	06	1900	1912	1905	N30	E40		8056			1-		C	1905	.30	.30		10	
MCMA	06	1914E	1941D		N28	E10		8051			1-	2	P	1928	.70	.80			EH
LOCK	06	2035	2100	2042	N28	E15		8051			1-		C	2042	.60	.60		20	
HALE	06	2037E	2102	2040	N28	E03		8051			1-	1	P	2040	.40	.40			F
CULG	06	2041	2101D	2043	N30	E03		8051			1-		P	2043	.40	.44			H
SACP	06	2044E	2054D	2048	N29	E03		8051			1-		C		1.09	1.10		14	
LOCK	06	2050	2110	2055	N29	E02		8051			1-		C	2055	.20	.20		10	
CULG	06	2053	2101D	2058	N30	E40		8056			1-		P	2058	.30	.42			GH
LOCK	06	2215	2245	2225	N28	E01		8051			1-		C	2225	.50	.50		10	
LOCK	06	2317	2335	2322	N30	E38		8056			1-		C	2322	.40	.40		20	
CULG	06	2322	2335	2327	N29	E38		8056			1-		C	2327	.30	.43			GH
LOCK	06	2352	0007D	2359	N28	E02		8051			1-		C	2359	.80	.80		20	
	07	0055	0110	NO FLARE PATROL															
CULG	07	0110E	0150D	0141	N26	E03		8051			1-		P	0141	.90	.99			FKLT

SOLAR FLARES

NOVEMBER 1965

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MANI	07	0113	0123D	0120	N27	E02		8051		10D	1	1		0120	3.70	3.70			
	07	0125	0210	NO FLARE PATROL															
CULG	07	0241	0248	0242	N30	E00		8051			1-		C	0242	.30	.33			HT
	07	0305	0355	NO FLARE PATROL															
CULG	07	0355	0440	0404	N28	W02		8051			1-		P	0404	.40	.44			LT
CULG	07	0445	0625	0612	N26	W03		8051			1-		C	0612	.80	.88			HKLT
CULG	07	0710	0734D	0714	N27	W04		8051		24D	1+		P	0714	2.20	2.42			T
CAPE	07	0710	0738	0713	N28	W04		8051		28	1			0713	3.40	3.70			
MANI	07	0713E	0716D		N27	W01		8051		3D	1	1		0716	2.60	2.60			
CAPE	07	0826	0837	0828	N28	W05		8051		11	1-			0828	1.20	1.30			
KANZ	07	0826E	0843D		N26	W06		8051		17D	1								F
ARCE	07	0830E	0835D		N30	W01		8051		5D	1-	2		0830	.69	.77			
CAPS	07	1000	1007		N26	W06		8051			1-	3		1003	.30	.30		135	I
KANZ	07	1000E	1010D		N25	W05		8051		10D	1								
UCCL	07	1001	1011		N28	W03		8051		10	1-	3							D
MEUD	07	1002	1026	1007	N27	W04		8051			1-		C	1007	.70	.80			
UCCL	07	1018	1020		N30	W06		8051		2	1-	3							D
UCCL	07	1040	1052		N33	W00		8051		12	1-	3							D
MEUD	07	1042	1100	1046	N30	E01		8051			1-		C	1046	.60	.70			
UCCL	07	1050	1059		N30	W04		8051		9	1-	3							D
KANZ	07	1050E	1108		N33	E01		8051			1-								D
KANZ	07	1050E	1124D		N28	W03		8051			1-								D
MEUD	07	1110	1125	1111	N26	W09		8051			1-		C	1111	.40	.50			E
UCCL	07	1116	1122		N30	W04		8051		6	1-	3							D
UCCL	07	1116	1122		N29	W06		8051		6	1-	3							D
KANZ	07	1116E	1124D		N26	W05		8051			1-								E
KANZ	07	1116E	1124D		N26	W09		8051			1-								D
MEUD	07	1144	1152	1146	N28	W06		8051			1-		C	1146	1.30	1.50			
HUAN	07	1246	1306	1247	N28	W03		8051		20	1-		C	1301	.87	.87			D
HUAN	07			1301															
MEUD	07	1247	1255	1250	N26	W05		8051			1-		C	1250	1.80	2.00			
MEUD	07	1302	1335D	1310	N27	W07		8051			1-		C	1310	1.60	1.80			
KANZ	07	1317E	1329D		N26	W06		8051			1-								D
KANZ	07	1340	1350D		N33	W01		8051			1-								D
HUAN	07	1341	1403	1344	N32	W05		8051		22	1-		C	1344	.25	.25			D
MEUD	07	1342	1355	1352	N34	W05		8051			1-		C	1352	.70	.80			
HUAN	07	1410	1416	1413	N28	W07		8051		6	1-		C	1413	.37	.37			D
MEUD	07	1412	1420	1413	N27	W08		8051			1-		C	1413	.60	.70			
HUAN	07	1434	1438	1436	N27	W07		8051		4	1-		C	1436	.32	.32			D
KANZ	07	1435E	1522D	1456	N26	W05		8051		47D	1			1456			2.20		F
MEUD	07	1436	1510D	1451	N28	W08		8051		34D	1		C	1451	2.00	2.20			
HUAN	07	1445	1503D	1449	N28	W07		8051		18D	1-		P	1449	1.00	1.00			E
SACP	07	1446U	1522	1452U	N28	W06		8051			1-		C		1.13	1.14		21	
CAPS	07	1451E	1526D		N28	W06		8051		35D	1	1		1456	2.00	2.20		250	I
HUAN	07	1527E	1536D		N28	W09		8051		9D	1-		P	1530	1.30	1.30			E
SACP	07	1558	1629D	1606	N27	W09		8051		31D	1		C		3.70	3.74		23	
HUAN	07	1602E	1633D		N28	W09		8051		31D	1		P	1609	1.80	1.80			E
LOCK	07	1605E	1640	1605U	N27	W09		8051			1-		C	1605	1.10	1.10		20	
MCMA	07	1615E	1638D		N28	W10		8051		23D	1	2	P	1620	2.00	2.20			E
HUAN	07	1704	1752D	1707	N28	W08		8051		48D	1		C	1730	2.20	2.20			E
HUAN	07			1730															
LOCK	07	1705U	1805	1725	N27	W10		8051			1-		C	1725	2.00	2.00		20	K
SACP	07	1728E	1800U	1736U	N27	W08		8051			1-		P		1.84	1.86		20	
MCMA	07	1732E	1758D		N28	W10		8051		26D	1	2	P	1733	2.70	3.00			E
SACP	07	1853	1911	1901	N27	W11		8051			1-		C		.62	.63		17	
HUAN	07	1854	1911	1858	N29	W11		8051		17	1-		C	1858	.30	.30			D
LOCK	07	1855	1915	1900	N27	W11		8051			1-		C	1900	.50	.50		20	
SACP	07	1921	1941U	1933	N28	W09		8051			1-		C		.84	.85		18	
CLMX	07	1959	2031D	2015	N28	W09		8051		32D	1		C	2015	2.40	2.40			
CULG	07	2000E	2029D	2015	N27	W11		8051		29D	1+		P	2015	2.80	3.08			T
LOCK	07	2000U	2045	2015	N27	W11		8051			1-		C	2015	2.00	2.00		20	
SACP	07	2001E	2045U	2019U	N27	W10		8051		44D	1		P		3.20	3.24		20	
CULG	07	2111	2128	2115	N28	W07		8051			1-		C	2115	.60	.66			HT
CULG	07	2159	2315	2238	N26	W12		8051			1-		C	2238	1.80	1.98			HKT
LOCK	07	2230	2310U	2240U	N27	W11		8051			1-		C	2240	1.50	1.50		20	
SACP	07	2234	2304U	2241	N27	W11		8051		30U	1		C		2.77	2.80		20	
CLMX	07	2234	2306D	2234	N28	W09		8051		32D	1		C	2234	2.30	2.30			
LOCK	07	2330	2345D	2338	N27	W13		8051			1-		C	2338	.80	.80		20	
HALE	07	2330E	2352		N28	W13		8051			1-	1	P	2336	.60	.60			F
VORO	07	2331	2343	2333	N26	W15		8051		12	1+		C	2333	1.62	1.81		89	DJ
CULG	07	2331	2400D	2332	N26	W14		8051		29D	1		P	2332	2.40	2.52			KT
MANI	07	2343E	2400		N27	W16		8051		17D	1	2		2345	3.00	3.00			
SACP	07	2344E	2346D	2344U	N27	W14		8051			1-		P		.60	.61		18	
VORO	08	0006	0042	0016	N26	W15		8051		36	1+		C	0016	1.80	2.02		89	DJ
MANI	08	0008	0033	0020	N27	W16		8051		25	1	2		0020	3.00	3.00			
CULG	08	0013E	0118D	0015	N27	W15		8051		65D	1		P	0015	2.00	2.10			T
MANI	08	0237	0303	0244	N27	W16		8051			1-	2		0244	1.70	1.70			
CULG	08	0243	0312	0245	N27	W14		8051			1-		C	0245	.60	.66			FT
CATA	08	0805E	0815D	0808	N29	W16		8051		10D	1-	3		0808	.57	.65		174	

SOLAR FLARES

NOVEMBER 1965

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CAPE	08	0807	0826	0811	N29	W17		8051		19	1-			0811	1.60	1.80			
BUCA	08	0808	0822		N28	W17		8051		14	1	2				2.53			
ARCE	08	0810E	0825D		N29	W12		8051		15D	1-	3		0810	.52	.59			
ARCE	08	0810E	0825D		N29	W18		8051		15D	1-	3		0810	.59	.69			
KANZ	08	0845	0852		N27	W14		8051			1-								D
UCCL	08	0929	0934		N27	W23		8051		5	1-	3							D
UCCL	08	1007	1017D		N18	W19		8058		10D	1-	3							D
KAND	08	1015E	1021D		N30	W11		8051			1-								
KANZ	08	1031E	1053		N26	W20		8051			1-								EH
KAND	08	1048	1110		N28	W18		8051			1-			1057		.55			
KAND	08	1052	1124		N31	W14		8051			1-			1100		.68			
KANZ	08	1053	1058D		N31	W16		8051			1-								DH
CAPS	08	1110	1118D		N27	W15		8051			1-	3		1114	.30	.30		155	I
UCCL	08	1111	1115D		N20	W16		8058		4D	1-	2							D
KAND	08	1234	1304D		N28	W13		8051			1-			1238		.48			
CAPS	08	1313E	1322		N28	W15		8051			1-	3		1316	.20	.20		145	I
CAPE	08	1313	1322	1315	N29	W18		8051		9	1-			1315	1.10	1.30			
LOCA	08	1316E	1327		N28	W15		8051		11D	1		S						
KANZ	08	1353	1401D		N29	W15		8051			1-								D
KANZ	08	1412	1417		N29	W15		8051			1-								D
KANZ	08	1428	1505		N26	W20		8051		37	1								EH
LOCK	08	2028	2045	2032	N32	W19		8051			1-		C	2032	1.50	1.50		10	
CLMX	08	2031	2038	2032	N32	W20		8051		7	1-		C	2032	.60	.66			
LOCK	08	2154	2210	2157	N28	W21		8051			1-		C	2157	.30	.30		20	E
MANI	09	0156E	0158		N28	W21		8051			1-	1		0157	.20	.20			
	09	0325	0505	NO FLARE PATROL															
	09	0555	0630	NO FLARE PATROL															
ARCE	09	0805E	0815D		N29	W31		8051		10D	1-	1		0805	.69	.89			
BUCA	09	0807	0818		N28	W27		8051		11	1-	1				.68			
MANI	09	0808	0818	0811	N28	W24		8051			1-	2		0811	1.00	1.00			
KAND	09	0830	0845		N27	W25		8051			1-								
KANZ	09	1342E	1357D		N24	E25		8056		15D	1								DH
	10	0045	0050	NO FLARE PATROL															
	10	0550	0635	NO FLARE PATROL															
ABST	10	0741E	0808D	0747	N25	E16		8056		27D	1-		C	0747	3.90	2.20			DJ
KAND	10	0815	0857		N24	E18		8056		42	1			0825		1.64			
KAND	10	1002	1008		N27	W49		8051			1-								
KAND	10	1158	1208		N29	W39		8051			1-			1201		.32			
KAND	10	1212	1235D		N25	W44		8051			1-								
HUAN	10	1617	1627	1620	N28	W44		8051		10	1-		C	1620	.37	.44			E
LOCK	10	1646	1702	1654	N53	W43					1-		C	1654	.20	.30		10	
LOCK	10	1736	1755	1741	N28	W44		8051			1-		C	1741	.70	.70		10	
HUAN	10	1737	1744	1738	N28	W44		8051		7	1-		C	1738	.20	.24			D
LOCK	10	1907	1921	1911	N28	W44		8051			1-		C	1911	1.60	1.60		20	
LOCK	10	2130	2152	2140	N26	E06		8056			1-		C	2140	.20	.20		10	
	11	0155	0210	NO FLARE PATROL															
MANI	11	0311	0321	0315	N27	W55		8051			1-	2		0315	.20	.30			
MANI	11	0523	0540	0528	N26	W56		8051			1-	2		0528	.20	.30			
MANI	11	0733	0738	0735	N27	W50		8051			1-	2		0735	.40	.60			
ISTA	11	0810	0840		N29	W49		8051		30	1+								
KAND	11	0816	0821		N31	W49		8051			1-			0820		.77			
MANI	11	0831	0839	0834	N27	W50		8051			1-	2		0834	.40	.60			
ARCE	11	0945E			N28	W55		8051			1-	2		0945	.32	.56			
ARCE	11	0945E	1000D		N28	W60		8051		15D	1-	2		0945	.56	1.06			
HUAN	11	1053	1102	1057	N29	W53		8051		9	1-		C	1057	.30	.42			E
LOCA	11	1059E	1105		N30	W51		8051		6D	1		S						H
HUAN	11	1146	1209	1150	N26	E02		8056		23	1-		C	1150	.72	.72			E
CATA	11	1148	1214	1156	N27	E02		8056		26	1-		C	1156	.22	.24		128	
	11	1220	1225	NO FLARE PATROL															
HUAN	11	1426	1439	1432	N25	E03		8056		13	1-		C	1432	.32	.32			D
MANI	12	0113	0120	0115	N28	W60		8051			1-	2		0115	.40	.70			
IKOM	12	0116			N28	W61		8051			1		P						DO
MITK	12	0845E	0848		N30	W55		8051		3D	1		V	0845	.49	.92	1.95	85	DH
SACP	12	1403	1410	1408	N27	W69		8051			1-		C		.38	.72		18	
HUAN	12	1406	1410	1408	N27	W73		8051		4	1-		C	1408	.25				E
HUAN	12	1521	1539		N02	E85		8061		18	1-		C	1530	.30				D
SACP	12	1521	1543	1530	N02	E78		8061			1-		C		.50	1.27		18	
SACP	12	1804	1856U	1822	N26	W20		8056			1-		C		.46	.47		18	
HUAN	12	2013	2024	2014	N25	W77		8051		11	1-		C	2016	.37				D
CULG	13	0358	0414D	0403	N32	E02					1-		P	0403	.20	.23			G
CULG	13	0534	0552	0536	N33	E01					1-		C	0536	.20	.23			G
MANI	13	0542	0552	0544	N32	W01					1-	2		0544	.30	.30			
CULG	13	0553	0608	0601	N26	W23		8056			1-		C	0601	.20	.23			
MANI	13	0555	0608	0600	N24	W22		8056			1-	2		0600	.50	.50			
CULG	13	0613	0633	0621	N26	W23		8056			1-		C	0621	.80	.92			

SOLAR FLARES

NOVEMBER 1965

OBSERVATORY	DATE 1965 NOV	OBSERVED UT START	OBSERVED UT END	MAX. PHASE	LOCATION APPROX. LAT.	LOCATION MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	TIME — UT	MEASUREMENTS MEAS. AREA Sq. Deg.	MEASUREMENTS CORR. AREA Sq. Deg.	MEASUREMENTS MAX. WIDTH Hα	MEASUREMENTS MAX. INT.	REMARKS
MANI	13	0617	0626	0621	N24	W22		8056			1-	2		0621	1.10	1.10			
MANI	13	0816	0821	0818	N32	W03					1-	2		0818	.20	.20			
ARCE	13	0915E	0925D		N26	W35		8056		10D	1-	1		0920	.65	.86			
ARCE	13	0915E	0940D		N27	W22		8056		25D	1-	1		0940	.85	1.01			
CULG	14	0119	0139D	0121	N08	W57					1-		P	0121	.20	.36			GL
MANI	14	0303	0314	0306	N27	W90		8051		11	1	2		0306	1.00	5.00			
ARCE	14	0800E	0810D		N32	W90		8051		10D	1-	2		0800	.20	1.14			
ARCE	14	0915E	1000D		N32	W90		8051		45D	1	2		0950	.45	2.56			
	14	2040	2050	NO FLARE PATROL															
	14	2115	2120	NO FLARE PATROL															
	14	2145	2205	NO FLARE PATROL															
ARCE	15	0805E	0820D		N23	W67		8056		15D	1-	2		0805	.23	.51			
	15	1605	1610	NO FLARE PATROL															
	15	1730	1735	NO FLARE PATROL															
	15	1750	1800	NO FLARE PATROL															
	15	1905	1940	NO FLARE PATROL															
CULG	15	2115	2212	2121	N26	W55		8056			1-		C	2121	.80	1.52			
HUAN	15	2125E	2134D		N27	W56		8056		9D	1-		P	2125	.76	1.10			E
	16	1610	1625	NO FLARE PATROL															
CULG	16	2010E	2022	2015	N26	W70		8056			1-		P	2015	.40	1.20			
CULG	17	0434	0506	0453	N21	W77		8056					C	0453	.20				G
CAPS	17	1242E	1300		N08	W80		8063		18D	1	1		1250	.50				G
	17	1530	1635	NO FLARE PATROL															
	17	2220	2230	NO FLARE PATROL															
HALE	19	0027	0050	0036	N02	E40		8070			1-	1	C	0036	.40	.40			H
CULG	19	0031	0100	0037	N02	E40		8070			1-		C	0037	.20	.26			DGH
OTTA	19	1644	1653	1649	N19	E87		8073			1-	1	C	1649	.11				
LOCK	19	1710E	1800U	1715U	N27	E90		8073			1-		C	1715	.20	1.00		10	
MANI	20	0436	0448	0438	N10	W45		8067			1-	2		0438	.20	.20			
CULG	20	2335	2400D	2341	N20	W19					1-		P	2341	.20	.23			CG
	22	0335	0500	NO FLARE PATROL															
HALE	22	1903	1916	1911	N22	E40		8073			1-	1	C	1911	.50	.60			F
UCCL	23	1152	1313D		N22	E32		8073		81D	1-	3							E
	23	1845	1855	NO FLARE PATROL															
CULG	23	2044	2117D	2100	N23	E24		8073			1-		P	2100	.40	.46			H
	23	2125	2140	NO FLARE PATROL															
ARCE	24	0835E	0850D		N22	E18		8073		15D	1-	1		0845	1.01	1.06			
CULG	24	2249	2304D		S38	W65					1-		P	2304	.20	.80			G
CULG	25	0334	0351	0339	S50	W40					1-		C	0339	.20	.45			G
CULG	26	0218	0233	0224	S22	E31					1-		C	0224	.20	.26			G
CAPS	27	0923E	0940D		N29	E90		8075		17D	1	3		0931				150	
	27	1410	1430	NO FLARE PATROL															
LOCK	27	2100	2150	2125	S28	E61					1-		C	2125	.20	.40		10	
LOCK	27	2240	2335	2254	N28	E90		8075		55	1		C	2254	.80	4.00		20	
HUAN	28	1302E	1333		N29	E85		8075		31D	1-		P	1309	.30				E
HUAN	28	1504	1528	1511	N28	E85		8075		24	1-		C	1511	.20				D
CLMX	28	1506	1533	1515	N29	E85		8075		27	1-		C	1515	.30	.81			
SACP	28	1514E	1543	1517	N29	E81		8075			1-		P		.29			17	
LOCK	28	1830	1852	1836	S18	E90		8078			1-		C	1836	.20	1.00		10	
LOCK	28	1851	1859	1854	N31	E80		8075			1-		C	1854	.40	1.20		10	
LOCK	28	2138	2210U	2142	N29	E80		8075		32U	1		C	2142	.70	2.10		20	
HALE	28	2140	2159	2142	N27	E85		8075			1-	1	C	2142	.60				F
HALE	28	2209	2213	2210	N27	E78		8075			1-	1	C	2210	.20				
HALE	29	0011	0022	0015	N28	E80		8075		11	1	1	C	0015	1.20	3.10			FH
HALE	29	0102	0115	0106	S18	E90		8078			1-	1	C	0106	.20				F
HALE	29	0103	0128	0116	N28	E83		8075		25	1	1	C	0116	.80	2.00			F
HALE	29	0133	0148	0139	N27	E77		8075			1-	1	C	0139	.10	.20			
HALE	29	0143	0159	0150	S18	E90		8078			1-	1	C	0150	.20				F
HALE	29	0202	0211	0206	S18	E90		8078			1-	1	C	0206	.10				
HALE	29	0237	0242	0238	S18	E90		8078			1-	1	C	0238	.10				
HALE	29	0318	0325	0322	S18	E90		8078			1-	1	C	0322	.10				
	29	0325	0645	NO FLARE PATROL															
CATA	29	0930	0945	0939	N28	E69		8075		15	1-	3	C	0939	.37	1.09		145	
KAND	29	0930E	1000		N29	E70		8075			1-								
HALE	29	1725	1744	1733	S17	E75		8078			1-	1	C	1733	.20	.20			
OTTA	29	1737E	1754		S18	E78		8078			1-	1	C	1738	.22	.53			
HALE	29	2015	2020	2016	S17	E74		8078			1-	1	C	2016	.10	.20			
HALE	29	2051	2124	2058	S17	E74		8078			1-	1	C	2058	.20	.30			
LOCK	29	2230	2250	2238	S62	E40					1-		C	2238	.30	.60		10	
MANI	30	0024	0029	0026	N29	E60		8075			1-	2		0026	.20	.30			
	30	0330	0350	NO FLARE PATROL															
	30	0405	0440	NO FLARE PATROL															
	30	0445	0635	NO FLARE PATROL															
UCCL	30	1005	1006		S23	E70		8078		1	1-	3							D
	30	1440	1510	NO FLARE PATROL															
SACP	30	1644	1700	1649	N29	W81		8079			1-		C		1.25			16	

SOLAR FLARES

NOVEMBER 1965

OBSERVATORY	DATE NOV 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. *a	REMARKS
MANI	01	0513	0543	0517	N09	W08	8042		1-	2	0517	.20	.20			
SACP	01	1353	1400	1354	N33	E74	8051		1-	C		.68	1.45		19	
MCMA	01	1354	1404	1355	N33	E78	8051		1-	2 C	1355	.30	1.50			
KANZ	01	1455 E	1515		N33	E73	8051		1-							
MANI	02	0513 E	0514 D		N09	W24	8042		1-	1	0514	.40	.40			
KANZ	02	0749 E	0820 D		N08	W22	8042		1-							
KANZ	02	0915	0930 D		N08	W22	8042		1-							
KANZ	02	0943 E	0950 D		N09	W23	8042		1-							
KAND	02	1106 E	1206		N09	W23	8042		1-		1135		.49			
CAPS	02	1135	1143		N10	W26	8042	8	1	3	1140	2.50	2.80		140	FI
KANZ	02	1440 E	1517 D		N09	W27	8042	37 D	1							
MANI	02	2216	2243	2220	N09	W35	8042		1-	2	2220	.40	.40			
MANI	03	0017	0026	0020	N12	W38	8042		1-	2	0020	.30	.30			
CULG	03	0719	0745 D	0727	N08	W35	8042		1-	P	0727	.80	1.00			
ONDR	03	0723 E	0747		N09	W37	8042	24 D	1	3	0725			2.00		C
MANI	03	0724	0758	0730	N12	W42	8042		1-	2	0730	1.40	1.60			
MANI	03			0742												
CAPS	03	0734 E	0750		N08	W36	8042		1-	3	0740	1.20	1.50		147	
KAND	03	0740 E	0910		N09	W34	8042		1-		0745		.80			
CAPS	03	1410	1425 D		N08	W40	8042		1-	1	1417	1.00	1.30		190	F
MCMA	03	1412	1421	1415	N11	W40	8042		1-	1 C	1415	.50	.70			E
OTTA	03	1413	1420 D		N11	W40	8042		1-	1 C	1419	1.02	1.15			
OTTA	03	1635	1640	1636	N10	W41	8042		1-	1 C	1636	.58	.66			
LOCK	04	2333	2350	2338	N27	E27	8051		1-	C	2338	.40	.40		10	
CULG	04	2335	2345	2338	N28	E29	8051		1-	C	2338	.40	.50			G
SACP	04	2335	2347 U	2338	N28	E29	8051		1-	C		.72	.78		19	
MCMA	05	1420	1625		N28	E19	8051		1-	2 C	1515	.40	.40			EHK
OTTA	05	1445 E	1451 D		N27	E18	8051		1-	1 C	1449	.23	.24			
CAPS	05	1447	1505		N28	E18	8051		1-	3	1452	.30	.30		180	G
ONDR	06	0713	0838		N25	E09	8051	85	1+	2	0724			2.10		CFHJK
CAPS	06	0729 E	0738		N28	E09	8051	9 D	1	2	0735	1.80	2.00		158	BI
CAPS	06	1003	1015		N30	E10	8051		1-	3	1012	.30	.30		200	EI
MCMA	06	1424 E	1425 D		N28	E07	8051		1-	2 P	1425	.20	.20			DH
OTTA	06	1724	1745 D		N28	E07	8051		1-	1 C	1744	.91	.92			
LOCK	06	1727 U	1745	1735	N27	E05	8051		1-	C	1735	.30	.30		10	
LOCK	06	1755	1840	1816	N27	E05	8051		1-	C	1816	.70	.70		10	K
SACP	06	1757	1838	1820	N28	E04	8051	41	1	C		2.95	2.97		20	
LOCK	06	1817	1830	1820	N30	E40	8056		1-	C	1820	.20	.20		10	
LOCK	06	1900	1912	1905	N30	E40	8056		1-	C	1905	.30	.30		10	
MCMA	06	1914 E	1941 D		N28	E10	8051		1-	2 P	1928	.70	.80			EH
LOCK	06	2035	2100	2042	N28	E15	8051		1-	C	2042	.60	.60		20	
HALE	06	2037 E	2102	2040	N28	E03	8051		1-	1 P	2040	.40	.40			F
CULG	06	2041	2101 D	2043	N30	E03	8051		1-	P	2043	.40	.44			H
SACP	06	2044 E	2054 D	2048	N29	E03	8051		1-	C		1.09	1.10		14	
LOCK	06	2050	2110	2055	N29	E02	8051		1-	C	2055	.20	.20		10	
CULG	06	2053	2101 D	2058	N30	E40	8056		1-	P	2058	.30	.42			GH

SOLAR FLARES

NOVEMBER 1965

OBSERVATORY	DATE NOV 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
LOCK	06	2215	2245	2225	N28	E01	8051		1-	C	2225	.50	.50		10	
LOCK	06	2317	2335	2322	N30	E38	8056		1-	C	2322	.40	.40		20	
CULG	06	2322	2335	2327	N29	E38	8056		1-	C	2327	.30	.43			GH
LOCK	06	2352	0007 D	2359	N28	E02	8051		1-	C	2359	.80	.80		20	
CULG	07	0110 E	0150 D	0141	N26	E03	8051		1-	P	0141	.90	.99			FKLT
MANI	07	0113	0123 D	0120	N27	E02	8051	10 D	1	1	0120	3.70	3.70			
CULG	07	0241	0248	0242	N30	E00	8051		1-	C	0242	.30	.33			HT
CULG	07	0355	0440	0404	N28	W02	8051		1-	P	0404	.40	.44			LT
CULG	07	0445	0625	0612	N26	W03	8051		1-	C	0612	.80	.88			HKLT
CULG	07	0710	0734 D	0714	N27	W04	8051	24 D	1+	P	0714	2.20	2.42			T
MANI	07	0713 E	0716 D		N27	W01	8051	3 D	1	1	0716	2.60	2.60			
KANZ	07	0826 E	0843 D		N26	W06	8051	17 D	1							F
CAPS	07	1000	1007		N26	W06	8051		1-	3	1003	.30	.30		135	I
KANZ	07	1000 E	1010 D		N25	W05	8051	10 D	1							
MEUD	07	1002	1026	1007	N27	W04	8051		1-	C	1007	.70	.80			
MEUD	07	1042	1100	1046	N30	E01	8051		1-	C	1046	.60	.70			
KANZ	07	1050 E	1108		N33	E01	8051		1-							D
KANZ	07	1050 E	1124 D		N28	W03	8051		1-							D
MEUD	07	1110	1125	1111	N26	W09	8051		1-	C	1111	.40	.50			E
KANZ	07	1116 E	1124 D		N26	W05	8051		1-							E
KANZ	07	1116 E	1124 D		N26	W09	8051		1-							D
MEUD	07	1144	1152	1146	N28	W06	8051		1-	C	1146	1.30	1.50			
MEUD	07	1247	1255	1250	N26	W05	8051		1-	C	1250	1.80	2.00			
MEUD	07	1302	1335 D	1310	N27	W07	8051		1-	C	1310	1.60	1.80			
KANZ	07	1317 E	1329 D		N26	W06	8051		1-							D
KANZ	07	1340	1350 D		N33	W01	8051		1-							D
MEUD	07	1342	1355	1352	N34	W05	8051		1-	C	1352	.70	.80			
MEUD	07	1412	1420	1413	N27	W08	8051		1-	C	1413	.60	.70			
KANZ	07	1435 E	1522 D	1456	N26	W05	8051	47 D	1		1456			2.20		F
MEUD	07	1436	1510 D	1451	N28	W08	8051	34 D	1	C	1451	2.00	2.20			
SACP	07	1446 U	1522	1452 U	N28	W06	8051		1-	C		1.13	1.14		21	
CAPS	07	1451 E	1526 D		N28	W06	8051	35 D	1	1	1456	2.00	2.20		250	I
SACP	07	1558	1629 D	1606	N27	W09	8051	31 D	1	C		3.70	3.74		23	
LOCK	07	1605 E	1640	1605 U	N27	W09	8051		1-	C	1605	1.10	1.10		20	
MCMA	07	1615 E	1638 D		N28	W10	8051	23 D	1	2 P	1620	2.00	2.20			E
LOCK	07	1705 U	1805	1725	N27	W10	8051		1-	C	1725	2.00	2.00		20	K
SACP	07	1728 E	1800 U	1736 U	N27	W08	8051		1-	P		1.84	1.86		20	
MCMA	07	1732 E	1758 D		N28	W10	8051	26 D	1	2 P	1733	2.70	3.00			E
SACP	07	1853	1911	1901	N27	W11	8051		1-	C		.62	.63		17	
LOCK	07	1855	1915	1900	N27	W11	8051		1-	C	1900	.50	.50		20	
SACP	07	1921	1941 U	1933	N28	W09	8051		1-	C		.84	.85		18	
CULG	07	2000 E	2029 D	2015	N27	W11	8051	29 D	1+	P	2015	2.80	3.08			T
LOCK	07	2000 U	2045	2015	N27	W11	8051		1-	C	2015	2.00	2.00		20	
SACP	07	2001 E	2045 U	2019 U	N27	W10	8051	44 D	1	P		3.20	3.24		20	
CULG	07	2111	2128	2115	N28	W07	8051		1-	C	2115	.60	.66			HT
CULG	07	2159	2315	2238	N26	W12	8051		1-	C	2238	1.80	1.98			HKT
LOCK	07	2230	2310 U	2240 U	N27	W11	8051		1-	C	2240	1.50	1.50		20	
SACP	07	2234	2304 U	2241	N27	W11	8051	30 U	1	C		2.77	2.80		20	
LOCK	07	2330	2345 D	2338	N27	W13	8051		1-	C	2338	.80	.80		20	
HALE	07	2330 E	2352		N28	W13	8051		1-	1 P	2336	.60	.60			F

SOLAR FLARES

NOVEMBER 1965

OBSERVATORY	DATE NOV 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
CULG	07	2331	2400 D	2332	N26	W14	8051	29 D	1	P	2332	2.40	2.52			KT
MANI	07	2343 E	2400		N27	W16	8051	17 D	1	2	2345	3.00	3.00			
SACP	07	2344 E	2346 D	2344 U	N27	W14	8051		1-	P		.60	.61		18	
MANI	08	0008	0033	0020	N27	W16	8051	25	1	2	0020	3.00	3.00			
CULG	08	0013 E	0118 D	0015	N27	W15	8051	65 D	1	P	0015	2.00	2.10			T
MANI	08	0237	0303	0244	N27	W16	8051		1-	2	0244	1.70	1.70			
CULG	08	0243	0312	0245	N27	W14	8051		1-	C	0245	.60	.66			FT
KANZ	08	0845	0852		N27	W14	8051		1-							D
KAND	08	1015 E	1021 D		N30	W11	8051		1-							
KANZ	08	1031 E	1053		N26	W20	8051		1-							EH
KAND	08	1048	1110		N28	W18	8051		1-		1057		.55			
KAND	08	1052	1124		N31	W14	8051		1-		1100		.68			
KANZ	08	1053	1058 D		N31	W16	8051		1-							DH
CAPS	08	1110	1118 D		N27	W15	8051		1-	3	1114	.30	.30		155	I
KAND	08	1234	1304 D		N28	W13	8051		1-		1238		.48			
CAPS	08	1313 E	1322		N28	W15	8051		1-	3	1316	.20	.20		145	I
KANZ	08	1353	1401 D		N29	W15	8051		1-							D
KANZ	08	1412	1417		N29	W15	8051		1-							D
KANZ	08	1428	1505		N26	W20	8051	37	1							EH
LOCK	08	2028	2045	2032	N32	W19	8051		1-	C	2032	1.50	1.50		10	
LOCK	08	2154	2210	2157	N28	W21	8051		1-	C	2157	.30	.30		20	E
MANI	09	0156 E	0158		N28	W21	8051		1-	1	0157	.20	.20			
MANI	09	0808	0818	0811	N28	W24	8051		1-	2	0811	1.00	1.00			
KAND	09	0830	0845		N27	W25	8051		1-							
KANZ	09	1342 E	1357 D		N24	E25	8056	15 D	1							DH
KAND	10	0815	0857		N24	E18	8056	42	1		0825		1.64			
KAND	10	1002	1008		N27	W49	8051		1-							
KAND	10	1158	1208		N29	W39	8051		1-		1201		.32			
KAND	10	1212	1235 D		N25	W44	8051		1-							
LOCK	10	1646	1702	1654	N53	W43			1-	C	1654	.20	.30		10	
LOCK	10	1736	1755	1741	N28	W44	8051		1-	C	1741	.70	.70		10	
LOCK	10	1907	1921	1911	N28	W44	8051		1-	C	1911	1.60	1.60		20	
LOCK	10	2130	2152	2140	N26	E06	8056		1-	C	2140	.20	.20		10	
MANI	11	0311	0321	0315	N27	W55	8051		1-	2	0315	.20	.30			
MANI	11	0523	0540	0528	N26	W56	8051		1-	2	0528	.20	.30			
MANI	11	0733	0738	0735	N27	W50	8051		1-	2	0735	.40	.60			
ISTA	11	0810	0840		N29	W49	8051	30	1+							
KAND	11	0816	0821		N31	W49	8051		1-		0820		.77			
MANI	11	0831	0839	0834	N27	W50	8051		1-	2	0834	.40	.60			
MANI	12	0113	0120	0115	N28	W60	8051		1-	2	0115	.40	.70			
IKOM	12	0116	□		N28	W61	8051		1	P						DO
MITK	12	0845 E	0848		N30	W55	8051	3 D	1	V	0845	.49	.92	1.95	85	DH
SACP	12	1403	1410	1408	N27	W69	8051		1-	C		.38	.72		18	
SACP	12	1521	1543	1530	N02	E78	8061		1-	C		.50	1.27		18	
SACP	12	1804	1856 U	1822	N26	W20	8056		1-	C		.46	.47		18	
CULG	13	0358	0414 D	0403	N32	E02			1-	P	0403	.20	.23			G

SOLAR FLARES

NOVEMBER 1965

OBSERVATORY	DATE NOV 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH He	MAX. INT. °.	REMARKS
CULG	13	0534	0552	0536	N33	E01			1-	C	0536	.20	.23			
MANI	13	0542	0552	0544	N32	W01			1-	2	0544	.30	.30			G
CULG	13	0553	0608	0601	N26	W23	8056		1-	C	0601	.20	.23			
MANI	13	0555	0608	0600	N24	W22	8056		1-	2	0600	.50	.50			
CULG	13	0613	0633	0621	N26	W23	8056		1-	C	0621	.80	.92			
MANI	13	0617	0626	0621	N24	W22	8056		1-	2	0621	1.10	1.10			
MANI	13	0816	0821	0818	N32	W03			1-	2	0818	.20	.20			
CULG	14	0119	0139 D	0121	N08	W57			1-	P	0121	.20	.36			
MANI	14	0303	0314	0306	N27	W90	8051	11	1	2	0306	1.00	5.00			GL
CULG	15	2115	2212	2121	N26	W55	8056		1-	C	2121	.80	1.52			
CULG	16	2010 E	2022	2015	N26	W70	8056		1-	P	2015	.40	1.20			
CULG	17	0434	0506	0453	N21	W77	8056			C	0453	.20				G
CAPS	17	1242 E	1300		N08	W80	8063	18 D	1	1	1250	.50				G
HALE	19	0027	0050	0036	N02	E40	8070		1-	1 C	0036	.40	.40			H
CULG	19	0031	0100	0037	N02	E40	8070		1-	C	0037	.20	.26			DGH
OTTA	19	1644	1653	1649	N19	E87	8073		1-	1 C	1649	.11				
LOCK	19	1710 E	1800 U	1715 U	N27	E90	8073		1-	C	1715	.20	1.00		10	
MANI	20	0436	0448	0438	N10	W45	8067		1-	2	0438	.20	.20			
CULG	20	2335	2400 D	2341	N20	W19			1-	P	2341	.20	.23			CG
HALE	22	1903	1916	1911	N22	E40	8073		1-	1 C	1911	.50	.60			F
CULG	23	2044	2117 D	2100	N23	E24	8073		1-	P	2100	.40	.46			H
CULG	24	2249	2304 D		S38	W65			1-	P	2304	.20	.80			G
CULG	25	0334	0351	0339	S50	W40			1-	C	0339	.20	.45			G
CULG	26	0218	0233	0224	S22	E31			1-	C	0224	.20	.26			G
CAPS	27	0923 E	0940 D		N29	E90	8075	17 D	1	3	0931				150	
LOCK	27	2100	2150	2125	S28	E61			1-	C	2125	.20	.40		10	
LOCK	27	2240	2335	2254	N28	E90	8075	55	1	C	2254	.80	4.00		20	
SACP	28	1514 E	1543	1517	N29	E81	8075		1-	P		.29			17	
LOCK	28	1830	1852	1836	S18	E90	8078		1-	C	1836	.20	1.00		10	
LOCK	28	1851	1859	1854	N31	E80	8075		1-	C	1854	.40	1.20		10	
LOCK	28	2138	2210 U	2142	N29	E80	8075	32 U	1	C	2142	.70	2.10		20	
HALE	28	2140	2159	2142	N27	E85	8075		1-	1 C	2142	.60				F
HALE	28	2209	2213	2210	N27	E78	8075		1-	1 C	2210	.20				
HALE	29	0011	0022	0015	N28	E80	8075	11	1	1 C	0015	1.20	3.10			FH
HALE	29	0102	0115	0106	S18	E90	8078		1-	1 C	0106	.20				F
HALE	29	0103	0128	0116	N28	E83	8075	25	1	1 C	0116	.80	2.00			F
HALE	29	0133	0148	0139	N27	E77	8075		1-	1 C	0139	.10	.20			

SOLAR FLARES

NOVEMBER 1965

OBSERVATORY	DATE NOV 1965	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
HALE	29	0143	0159	0150	S18	E90	8078		1-	1 C	0150	.20				F
HALE	29	0202	0211	0206	S18	E90	8078		1-	1 C	0206	.10				
HALE	29	0237	0242	0238	S18	E90	8078		1-	1 C	0238	.10				
HALE	29	0318	0325	0322	S18	E90	8078		1-	1 C	0322	.10				
KAND	29	0930 E	1000		N29	E70	8075		1-							
HALE	29	1725	1744	1733	S17	E75	8078		1-	1 C	1733	.20	.20			
OTTA	29	1737 E	1754		S18	E78	8078		1-	1 C	1738	.22	.53			
HALE	29	2015	2020	2016	S17	E74	8078		1-	1 C	2016	.10	.20			
HALE	29	2051	2124	2058	S17	E74	8078		1-	1 C	2058	.20	.30			
LOCK	29	2230	2250	2238	S62	E40			1-	C	2238	.30	.60		.10	
MANI	30	0024	0029	0026	N29	E60	8075		1-	2	0026	.20	.30			
SACP	30	1644	1700	1649	N29	W81	8079		1-	C		1.25			16	