SOLAR FLARES

JULY 1965

OBSERVATORY	DATE JULY 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
	01	0500	0510	NO FLARE	PATROL											
ARCE	01	0946 E	1000 D		N28	E06	7878		1-	2	0946	.33	.37			
OTTA	01	1154	1214		N33	E32	7882		1-	1 C	1204	.12	.14			
OTTA	01	1156	1208		N29	W11	7873		1-	1 C	1201	.48	.54			
MCMA	01	1158	1204 D	1200	N29	W12	7873		1-	2 C	1200	.60	.60			S
OTTA	01	1212	1227	1218	N28	W11	7873		1-	1 C	1218	.12	.13			
OTTA	01	1334	1415	1345	N33	E32	7882		1-	1 C	1345	.60	.69			F
MCMA	01	1405	1438	1410	N34	E33	7882		1-	2 C	1410	.20	.30			D
SACP	01	1407	1420	1410	N33	E33	7882		1-	C		.35	.40		18	
UCCL	01	1412 E	1421 D		N32	E35	7882		1-	3						D
CLMX	01	1417	1428	1424	N32	E34	7882		1-	C	1424	.30	.30			
UCCL	01	1445	1448		N32	E35	7882		1-	3						E
MCMA	01	1545	1653	1551	N34	E32	7882		1-	2 C	1637	.40	.60			EK
MCMA	01			1637												
CAPS	01	1546	1600 D		N34	E26	7882		1-	3	1554	.20	.30		165	D
OTTA	01	1548	1603	1551	N34	E32	7882		1-	1 C	1551	.18	.20			
UCCL	01	1612 E	1706 D		N32	E35	7882		1-	2						DK
HUAN	01	1619 E	1654		N33	E32	7882		1-	P	1630	.18	.24			D
HUAN	01	1748	1757	1751	N33	E30	7882		1-	C	1751	.15	.20			E
LOCK	01	1804	1831	1816	N10	E21			1-	C	1816	.30	.30		20	
MCMA	01	1911	1932	1916	N28	W17	7873		1-	2 C	1916	.80	.90			S
HUAN	01	1916 E	1925 D		N28	W20	7873		1-	P						D
CATA	02	0650 E	0750 D	0651	N32	W19	7873	60 D	1	2	0651	2.10	2.47		136	D
MONT	02	0739 E	0810 D	0810	N20	W59	7880		1-			1.60				O
KAND	02	1226	1231		N31	E22	7882		1-							
CLMX	02	1501	1557		N24	E09	7884		1-	C	1544	.30	.30			
	03	0210	0225	NO FLARE	PATROL											
CAPE	03	0950 E	0959	0951	N32	E12	7882		1-		0951	1.00	1.20			
CAPE	03	1413	1425 D	1418	N25	W07	7884		1-		1418	1.20	1.30			
MCMA	03	1414	1420	1417	N25	W07	7884		1-	2 C	1417	1.00	1.10			E
CLMX	03	1414	1422	1416	N25	W04	7884		1-	C	1416	.70	.70			
HUAN	03	1415	1420	1417	N26	W17	7878		1-	C	1417	.35	.38			E
LOCK	04	1938	1951	1943	N31	W09	7882		1-	C	1943	.10	.10		20	
KAND	05	0856	0915		N34	W90	7873		1-							
OTTA	05	1033	1123 D	1111	S02	E30	7888		1-	2 C	1111	.18	.18			HH
ARCE	06	0800 E	0830 D		N19	E38	7886		1-	3	0820	1.14	1.49			
MANI	06	0813 E	0825	0815	N18	E33	7886		1-	3	0815	.30	.33			
KAND	06	0836	0841		N05	E90			1-							
ARCE	06	0900 E	0935 D		N19	E38	7886		1-	3	0925	.82	1.07			
CAPS	06	0928 E	1044		N19	E37	7886	76 D	1	3	0943	2.10	2.70		170	CKL
CATA	06	0930 E	1130 D	1045	N18	E37	7886		1-	3	1045	.98	1.23		157	D
OTTA	06	1026 E	1032 D		N18	E35	7886		1-	2 C	1032	.48	.52			
CAPS	06	1102	1150 D		N19	E37	7886		1-	3	1138	1.00	1.30		161	E
KANZ	06	1550 E	1610 D		N17	E31	7886		1-							DH
SACP	06	1551	1602 D	1559	N18	E32	7886		1-	P		.39	.42		19	
CLMX	06	1552	1609	1556	N18	E33	7886		1-	C	1556	.90	1.00			

SOLAR FLARES

JULY 1965

OBSERVATORY	DATE JULY 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
CAPF	06	1557 E	1612		N15	E33	7886	15 D	1	3	1603	2.00	2.44			
HUAN	06	1600 E	1603		N18	E32	7886		1-	P	1601	.15	.18			D
SACP	06	2012	2040	2026	N18	E30	7886		1-	C		.26	.28		18	
HUAN	06	2024	2048 D		N19	E31	7886		1-	P	2029	.20	.24			D
MCMA	06	2028	2130	2031	N18	E30	7886		1-	1 C	2031	.30	.40			DH
CLMX	06	2239	0016	2322	N18	E29	7886	97	1	C	2322	2.10	2.30			
LOCK	06	2301	0123	2315	N21	E25	7886	142	1	C	2315	2.30	2.30		20	HJL
SACP	06	2304	2325 D	2317	N19	E28	7886	21 D	1	P		3.55	3.71		21	
CULG	06	2305	2400	2318	N17	E28	7886	55	1+	C	2318	5.50	6.46			FJL
HALE	06	2316	2358	2329	N17	E28	7886		1-	1 C	2329	1.20	1.20			
CULG	07	0050	0118	0103	N21	E28	7886		1-	C	0103	.40	.46			L
CLMX	07	0103	0128 D	0106	N19	E27	7886		1-	C	0106	.50	.50			
CULG	07	0230	0304	0243	N22	E27	7886		1-	C	0243	.60	.69			J
TACH	07	0330	0430	0359	N19	E25	7886		1-	C	0359	1.10	1.30	2.60	90	EL
HALE	07	0346	0434	0351	N17	E24	7886		1-	2 C	0351	.60	.60			
HALE	07	0349	0419	0354	N18	E22	7886		1-	2 C	0354	.40	.40			
KODA	07	0350	0401	0356	N18	E28	7886		1-	V						
CATA	07	0630 E	1025 D	0724	N18	E24	7886		1-	3	0724	1.22	1.38		180	E
CAPS	07	0714	0730 D		N19	E23	7886		1-	3	0723	.70	.80		166	E
ARCE	07	0755 E	0820 D		N18	E23	7886		1-	2	0755	.98	1.09			
KAND	07	0835 E	0905		N19	E22	7886		1-							
ARCE	07	0840 E	0845 D		N17	E27	7886		1-	2	0845	.29	.33			
KAND	07	0923	0940		N19	E22	7886		1-							
ARCE	07	0950 E	0955 D		N18	E23	7886		1-	2	0950	1.05	1.17			
KANZ	07	1355 E	1410		N19	E18	7886		1-							DH
SACP	07	1449	1502	1454	N18	E20	7886		1-	C		.35	.35		17	
MANI	08	0025 E	0041 D	0035	N19	E13	7886		1-	2	0035	.50	.50			
CULG	08	0350	0407	0355	N19	E11	7886		1-	C	0355	1.60	1.68			
MANI	08	0352	0424	0400	N19	E11	7886		1-	2	0400	.60	.60			
BUCA	08	0704 E	0736 D		N19	E10	7886	32 D	2	2			5.20			
ATHN	08	0704 E	0740 D		N19	E10	7886	36 D	1	2	0711	2.10	2.40			
CAPS	08	0705 E	0759 D		N19	E10	7886	54 D	1+	3	0710	3.20	3.30		205	CFHI
ISTA	08	0710 E	0720		N19	E11	7886	10 D	1							
CATA	08	0715	0800	0719	N18	E12	7886		1-	4	0719	1.62	1.70		229	D
KANZ	08	0725 E	0745		N19	E10	7886	20 D	1+							DH
KANZ	08	0817 E	0850 D		N20	E10	7886	33 D	1+							EH
SACP	08	1625	1639	1633	N21	E73	7891		1-	C		.22	.45		18	
OTTA	08	1627	1640	1632	N21	E75	7891		1-	2 C	1632	.24	.51			
MCMA	08	1631	1638	1633	N21	E75	7891		1-	2 C	1633	.30				D
MCMA	08	2014	2050 D		N21	E08	7886		1-	1 P	2018	.20	.20			DH
LOCK	08	2019	2038	2026	N21	E07	7886		1-	C	2026	.60	.60		10	HL
SACP	08	2020	2037	2027	N22	E07	7886		1-	C		.31	.30		17	
CULG	09	0456	0510	0500	N16	W03	7886		1-	C	0500	.20	.21			
KAND	09	0500	0524		N21	W01	7886		1-							
KAND	09	0547	0555		N21	E69	7891	8	1+							
OTTA	09	1120	1138 D		N18	W07	7886		1-	1 C	1125	.48	.48			
ABST	10	0617 E	1006 D	0943	N19	W18	7886	229 D	1	C	0909	3.68	1.98		64	EJK

SOLAR FLARES

JULY 1965

OBSERVATORY	DATE JULY 1965	OBSERVED UNIVERSAL TIME START	OBSERVED UNIVERSAL TIME END	OBSERVED UNIVERSAL TIME MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEASUREMENTS MEAS. AREA Sq. Deg.	MEASUREMENTS CORR. AREA Sq. Deg.	MEASUREMENTS MAX. WIDTH Hα	MEASUREMENTS MAX. INT. %	REMARKS
ARCE	10	0825 E	0835 D		N20	W16	7886		1-	2	0825	1.79	1.94			
KAND	10	0900 E	0912 D		N21	W19	7886		1-							
BUCA	10	0940	1004 D		N19	W17	7886	24 D	1+	2			3.60			J
CAPE	10	0945	1013	0950	N19	W19	7886	28	1		0950	1.80	2.00			
CAPS	10	0945	1041		N18	W16	7886	56	1+	3	1000	3.00	3.10		201	FKL
ARCE	10	0949 E	1007 D		N18	W16	7886	18 D	1	2	0953	3.07	3.31			
CATA	10	0950 E	1020 D	0955	N19	W19	7886		1-	3	0955	1.30	1.41		230	E
UCCL	10	0956 E	1028 D		N20	W19	7886	32 D	1	3	1023	4.50	5.00			F
MONT	10	0931 E	0945	0941	N20	E51	7891		1-			2.10				O
CAPE	10	1038	1050	1041	N20	E50	7891		1-		1041	1.20	1.90			
BUCA	10	1039	1045 D		N20	E50	7891	6 D	1	2			2.60			
CAPS	10	1039 E	1057		N20	E51	7891		1-	3	1043	.50	.80		170	DG
CATA	10	1043	1050 D	1044	N20	E50	7891		1-	3	1044	.68	1.06		148	E
BUCA	10	1116	1139 D		N25	W90	7882			2						
OTTA	10	1348	1422	1409	N19	W16	7886		1-	2 C	1409	.84	.84			FH
OTTA	10	1544	1601	1551	N18	W21	7886		1-	1 C	1551	.54	.54			
KANZ	10	1609	1640		N21	E45	7891		1-							D
CLMX	10	1835	1852 D		N21	W22	7886		1-	C	1842	.30	.30			
	11	0240	0245	NO FLARE	PATROL											
HALE	11	0434	0440 D	0437	N20	W29	7886		1-	1 P	0437	.60	.60			
ARCE	11	0840 E	0855 D		N19	W34	7886		1-	2	0850	.39	.48			
ARCE	11	0930 E	0950 D		N17	W33	7886		1-	2	0950	.62	.76			
KANZ	11	1322 E	1540 D		N18	W35	7886	138 D	1							E
HUAN	11	1346	1444		N18	W35	7886		1-	C	1405	.37	.46			D
OTTA	11	1414	1451		S21	W39			1-	1 C	1444	.41	.49			H
SACP	11	1510	1529	1518	N21	E33	7891		1-	C		.70	.76		19	
OTTA	11	1510	1534	1515	N21	E33	7891		1-	C	1515	.66	.71			H
LOCA	11	1510 E	1545		N20	E30	7891	35 D	1	S						
MCMA	11	1511	1532	1515	N21	E33	7891		1-	2 C	1515	.50	.60			EH
UCCL	11	1512 E	1515 D		N20	E34	7891		1-	3						E
CAPS	11	1512 E	1531		N20	E29	7891		1-	3	1515	.90	1.10		175	CGH
HUAN	11	1513 E	1526		N21	E35	7891		1-	P	1514	.25	.31			E
OTTA	11	1601	1621 D	1617	N19	W33	7886		1-	1 C	1617	.73	.80			
SACP	11	1602	1624	1617	N20	W34	7886		1-	C		.97	1.05		17	
MCMA	11	1605	1625	1617	N21	W34	7886		1-	2 C	1617	.70	.80			S
HUAN	11	1613	1622	1616	N21	W34	7886		1-	C	1617	.50	.62			D
SACP	11	1711	1725	1718	N19	W36	7886		1-	C		.35	.38		17	
MCMA	11	1713	1725	1717	N21	W34	7886		1-	2 C	1717	.20	.30			D
SACP	11	1910	1943	1925	N23	E32	7891		1-	C		1.15	1.24		17	
MCMA	11	1914	1955	1930	N22	E32	7891		1-	2 P	1930	1.00	1.20			E
HUAN	11	1935 E			N21	E35	7891		1-	P						E
LOCK	11	2330	2354	2342	N20	W35	7886		1-	C	2342	.50	.50		20	L
CULG	11	2333	2348	2339	N18	W35	7886		1-	C	2339	.60	.78			
LOCK	12	0004	0019	0010	N22	W35	7886		1-	C	0010	.20	.20		20	L
SACP	12	0005	0013	0008	N22	W34	7886		1-	C		.17	.19		18	
LOCK	12	0046	0135	0104	N22	W32	7886		1-	C	0104	.70	.70		20	
SACP	12	0047	0133	0107	N22	W35	7886		1-	C		1.59	1.74		18	
CULG	12	0051	0147	0105	N22	W35	7886	56	1	C	0105	2.20	2.86			GL
KANZ	12	0805 E	0835		N21	E23	7891	30 D	1							D

SOLAR FLARES

JULY 1965

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KANZ	12	0920 E	0930		N18	W40	7886	10 D	1							D
KANZ	12	1040 E	1102		N20	W46	7886		1-							D
MONT	12	1145 E	1150 D	1150	N20	E43			1-			1.60				O
MCMA	12	1140	1218	1156	N22	E22	7891		1-	3 C	1156	.40	.40			EK
CAPS	12	1141	1215		N20	E23	7891		1-	3	1145	.90	1.00		200	G
BUCA	12	1151	1203 D		N21	E22	7891		1-	2			1.20			
CATA	12	1153 E	1223 D	1157	N22	E23	7891		1-	3	1157	.92	1.04		204	EGH
CAPS	12	1403	1418		N20	E23	7891		1-	3	1407	1.20	1.30		200	FG
MCMA	12	1405	1428	1407	N22	E21	7891		1-	2 C	1407	.50	.50			E
OTTA	12	1406 E	1426	1407	N22	E21	7891		1-	3 C	1407	.71	.72			F
SACP	12	1536	1550	1544	N19	W52	7886		1-	C		.17	.23		18	
OTTA	12	1540	1546	1544	N18	W53	7886		1-	2 C	1544	.24	.31			
MEUD	12	1542	1546		N22	W54	7886		1-	C	1545	.40	.70			
OTTA	12	1633	1638	1635	N23	E54	7896		1-	2 C	1635	.09	.12			
OTTA	13	1046	1220	1105	N19	W56	7886	94	1	2 C	1105	2.87	3.94			F
UCCL	13	1048	1111		N22	W60	7886	23	2	3	1105	4.00	6.00			F
MONT	13	1049 E	1105 D	1105	N20	W53	7886	16 D	1+			8.30				FO
CAPE	13	1050	1128	1059	N24	W56	7886	38	1		1059	1.60	2.90			
KIEV	13	1052	1140	1101	N25	W55	7886	48	1	C	1101	4.50	7.60		60	EI
CAPF	13	1054 E	1107 D		N25	W56	7886	13 D	1	3	1057	2.50	4.07			H.
BUCA	13	1056 E	1125		N21	W55	7886	29 D	1	2			2.90			
CAPS	13	1057 E	1131		N20	W55	7886		1-	3	1100	1.00	1.70		210	C
KANZ	13	1058 E	1113 D		N19	E62		15 D	1							E
HALE	13	1945	2016	1948	N20	E03	7891		1-	2 C	1948	.70	.70			F
MCMA	13	1947	2016	1951	N21	E04	7891		1-	2 C	1951	.60	.60			E
CULG	14	0508 E	0540	0512	N22	W78	7886			P	0512	.20				G
LOCK	14	1810	2100	1915	S21	W09	7892		1-	C	1915	1.10	1.10		20	L
HALE	14	1825	1901	1842	S28	W08	7892		1-	2 C	1842	.50	.50			F
HALE	14	1829	1901	1839	S29	W02	7892		1-	2 C	1839	.20	.20			
CLMX	14	1906	1955		S29	W05	7892		1-	C	1933	.60	.70			
HALE	14	1921	1953	1923	S28	W10	7892		1-	1 C	1923	.20	.20			J
MCMA	14	2117	2127	2118	N24	W76	7886		1-	3 C	2118	.40				E
HUAN	14	2117	2132	2120	N23	W74	7886		1-	C	2120	.25				
LOCK	14	2140	2207 U	2146	N20	W09	7891		1-	C	2146	.70	.70		20	
MCMA	14	2142	2213	2148	N19	W10	7891		1-	3 C	2148	.80	.90			S
HUAN	14	2143	2202	2152	N18	W10	7891		1-	C	2152	.50	.53			E
HUAN	14	2203	2221	2211	N24	W75	7886		1-	C	2211	.60				
CULG	14	2203	2242	2213	N25	W76	7886			C	2213	1.40				G
MCMA	14	2213	2228	2214	N24	W78	7886		1-	2 C	2214	.40				E
HALE	15	0149	0154	0151	N18	W13	7891		1-	2 C	0151	.20	.20			F
ARCE	15	0857	0935 D		N21	W88	7886		1-	2	0902	.33	1.62			
HUAN	15	1207	1211 D		N21	E18	7896		1-	P	1210	.25	.27			E
MCMA	15	1208	1232	1209	N18	W19	7891		1-	3 C	1209	.30	.30			D
CAPS	15	1209 E	1245 D		N18	W15	7891		1-	3	1216	1.50	1.60		150	
CULG	15	2250	2259	2254	N27	E21	7896		1-	C	2253	.20	.23			CGL
HALE	17	0207	0224	0210	N19	W41	7891		1-	2 C	0210	.50	.60			F
HALE	17	0253	0315	0258	N20	W43	7891		1-	3 C	0258	.40	.50			

SOLAR FLARES

JULY 1965

OBSERVATORY	DATE JULY 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. °o	REMARKS
LOCK	17	1808	1823	1814	N23	W19	7896		1-	C	1814	.30	.30		20	H
CLMX	17	1810	1820	1813	N27	W15	7896		1-	C	1813	.40	.40			
CLMX	17	2006	2015	2008	N21	W59	7891		1-	C	2008	.40	.50			
LOCK	17	2235	2310	2249	N21	W52	7891		1-	C	2249	.60	.80		20	JL
	18	0200	0250	NO FLARE	PATROL											
HUAN	18	1416	1424	1418	N27	E17	7899		1-	C	1418	.15	.17			E
SACP	18	1417	1430	1418	N27	E15	7899		1-	C		.21	.22		18	
CLMX	18	1420 E	1429		N27	E15	7899		1-	C	1420	.40	.40			
HALE	18	1936	1944	1938	N18	W62	7891		1-	1 C	1938	.30	.50			
HALE	18	2208	2250	2215	N22	W62	7891		1-	1 C	2215	.60	1.00			H
LOCK	18	2213	2245	2227	N11	W62	7891		1-	C	2227	.80	1.20		10	H
CLMX	18	2237 E	2308		N22	W61	7891		1-	C	2241	.50	.70			
KAND	19	0812	0915 D	0827	N17	W74	7891	63 D	1							
BUCA	19	0818 E	0905		N20	W70	7891	47 D	1	2						
ABST	19	0819 E	0854 D	0833	N21	W74	7891	35 D	1+	C	0833	5.50	8.90			
ARCE	19	0830 E	0905 D		N18	W71	7891	35 D	1	2	0835	2.06	4.83			
CAPS	19	0841 E	0915		N23	W70	7891	34 D	1	1	0846	1.00				B
	20	0135	0250	NO FLARE	PATROL											
	21	0150	0240	NO FLARE	PATROL											
OTTA	21	1420	1436	1429	N11	W45			1-	1 C	1429	.12	.15			
SACP	21	1422	1440	1430	N12	W44			1-	C		.17	.20		18	
LOCK	22	2127	2144	2132	S12	E05			1-	C	2132	.40	.40		20	
ARCE	24	0810 E	0840 D		S11	W41	7902		1-	2	0820	.52	.76			
OTTA	25	1339	1358 D	1346	N23	W77			1-	2 C	1346	.18	.39			
KAND	26	0852 E	0858 D		S27	W90			1-							
LOCK	28	0142	0156	0145	N22	W08	7913		1-	C	0145	.20	.20		10	H
CULG	28	0143	0149	0145	N22	W06	7913		1-	C	0145	.40	.42			CGH
ARCE	29	0935 E	0955 D		S20	E02	7923		1-	2	0935	.65	.73			
LOCK	31	2045	2057	2049	S13	E52	7929		1-	C	2049	.30	.40		20	H

SOLAR FLARES

JULY 1965

OBSERVATORY	DATE JULY 1965	OBSERVED UNIVERSAL TIME START	OBSERVED UNIVERSAL TIME END	OBSERVED UNIVERSAL TIME MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. °.	REMARKS
ARCE	01	0946 E	1000 D		N28	E06	7878		1-	2	0946	.33	.37			
OTTA	01	1154	1214		N33	E32	7882		1-	1 C	1204	.12	.14			
OTTA	01	1156	1208		N29	W11	7873		1-	1 C	1201	.48	.54			
MCMA	01	1158	1204 D	1200	N29	W12	7873		1-	2 C	1200	.60	.60			S
OTTA	01	1212	1227	1218	N28	W11	7873		1-	1 C	1218	.12	.13			
OTTA	01	1334	1415	1345	N33	E32	7882		1-	1 C	1345	.60	.69			F
MCMA	01	1405	1438	1410	N34	E33	7882		1-	2 C	1410	.20	.30			D
SACP	01	1407	1420	1410	N33	E33	7882		1-	C		.35	.40		18	
MCMA	01	1545	1653	1551	N34	E32	7882		1-	2 C	1637	.40	.60			EK
MCMA	01			1637												
OTTA	01	1548	1603	1551	N34	E32	7882		1-	1 C	1551	.18	.20			
HUAN	01	1619 E	1654		N33	E32	7882		1-	P	1630	.18	.24			D
HUAN	01	1748	1757	1751	N33	E30	7882		1-	C	1751	.15	.20			E
MCMA	01	1911	1932	1916	N28	W17	7873		1-	2 C	1916	.80	.90			S
HUAN	01	1916 E	1925 D		N28	W20	7873		1-	P						D
CATA	02	0650 E	0750 D	0651	N32	W19	7873	60 D	1	2	0651	2.10	2.47		136	D
MONT	02	0739 E	0810 D	0810	N20	W59	7880		1-			1.60				O
KAND	02	1226	1231		N31	E22	7882		1-							
MCMA	03	1414	1420	1417	N25	W07	7884		1-	2 C	1417	1.00	1.10			E
HUAN	03	1415	1420	1417	N26	W17	7878		1-	C	1417	.35	.38			E
KAND	05	0856	0915		N34	W90	7873		1-							
OTTA	05	1033	1123 D	1111	S02	E30	7888		1-	2 C	1111	.18	.18			H
ARCE	06	0800 E	0830 D		N19	E38	7886		1-	3	0820	1.14	1.49			
MANI	06	0813 E	0825	0815	N18	E33	7886		1-	3	0815	.30	.33			
KAND	06	0836	0841		N05	E90			1-							
ARCE	06	0900 E	0935 D		N19	E38	7886		1-	3	0925	.82	1.07			
CATA	06	0930 E	1130 D	1045	N18	E37	7886		1-	3	1045	.98	1.23		157	D
OTTA	06	1026 E	1032 D		N18	E35	7886		1-	2 C	1032	.48	.52			
KANZ	06	1550 E	1610 D		N17	E31	7886		1-							DH
SACP	06	1551	1602 D	1559	N18	E32	7886		1-	P		.39	.42		19	
HUAN	06	1600 E	1603		N18	E32	7886		1-	P	1601	.15	.18			D
SACP	06	2012	2040	2026	N18	E30	7886		1-	C		.26	.28		18	
HUAN	06	2024	2048 D		N19	E31	7886		1-	P	2029	.20	.24			D
MCMA	06	2028	2130	2031	N18	E30	7886		1-	1 C	2031	.30	.40			DH
SACP	06	2304	2325 D	2317	N19	E28	7886	21 D	1	P		3.55	3.71		21	
HALE	06	2316	2358	2329	N17	E28	7886		1-	1 C	2329	1.20	1.20			
HALE	07	0346	0434	0351	N17	E24	7886		1-	2 C	0351	.60	.60			
HALE	07	0349	0419	0354	N18	E22	7886		1-	2 C	0354	.40	.40			
CATA	07	0630 E	1025 D	0724	N18	E24	7886		1-	3	0724	1.22	1.38		180	E
ARCE	07	0755 E	0820 D		N18	E23	7886		1-	2	0755	.98	1.09			
KAND	07	0835 E	0905		N19	E22	7886		1-							
ARCE	07	0840 E	0845 D		N17	E27	7886		1-	2	0845	.29	.33			
KAND	07	0923	0940		N19	E22	7886		1-							
ARCE	07	0950 E	0955 D		N18	E23	7886		1-	2	0950	1.05	1.17			
KANZ	07	1355 E	1410		N19	E18	7886		1-							DH
SACP	07	1449	1502	1454	N18	E20	7886		1-	C		.35	.35		17	

SOLAR FLARES

JULY 1965

OBSERVATORY	DATE JULY 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
MANI	08	0025 E	0041 D	0035	N19	E13	7886		1-	2	0035	.50	.50			
MANI	08	0352	0424	0400	N19	E11	7886		1-	2	0400	.60	.60			
BUCA	08	0704 E	0736 D		N19	E10	7886	32 D	2	2			5.20			
ISTA	08	0710 E	0720		N19	E11	7886	10 D	1							
CATA	08	0715	0800	0719	N18	E12	7886		1-	4	0719	1.62	1.70		229	D
KANZ	08	0725 E	0745		N19	E10	7886	20 D	1+							DH
KANZ	08	0817 E	0850 D		N20	E10	7886	33 D	1+							EH
SACP	08	1625	1639	1633	N21	E73	7891		1-	C		.22	.45		18	
OTTA	08	1627	1640	1632	N21	E75	7891		1-	2 C	1632	.24	.51			
MCMA	08	1631	1638	1633	N21	E75	7891		1-	2 C	1633	.30				D
MCMA	08	2014	2050 D		N21	E08	7886		1-	1 P	2018	.20	.20			DH
SACP	08	2020	2037	2027	N22	E07	7886		1-	C		.31	.30		17	
KAND	09	0500	0524		N21	W01	7886		1-							
KAND	09	0547	0555		N21	E69	7891	8	1+							
OTTA	09	1120	1138 D		N18	W07	7886		1-	1 C	1125	.48	.48			
ARCE	10	0825 E	0835 D		N20	W16	7886		1-	2	0825	1.79	1.94			
KAND	10	0900 E	0912 D		N21	W19	7886		1-							
MONT	10	0931 E	0945	0941	N20	E51	7891		1-			2.10				O
BUCA	10	0940	1004 D		N19	W17	7886	24 D	1+	2			3.60			J
ARCE	10	0949 E	1007 D		N18	W16	7886	18 D	1	2	0953	3.07	3.31			
CATA	10	0950 E	1020 D	0955	N19	W19	7886		1-	3	0955	1.30	1.41		230	E
BUCA	10	1039	1045 D		N20	E50	7891	6 D	1	2			2.60			
CATA	10	1043	1050 D	1044	N20	E50	7891		1-	3	1044	.68	1.06		148	E
BUCA	10	1116	1139 D		N25	W90	7882			2						
OTTA	10	1348	1422	1409	N19	W16	7886		1-	2 C	1409	.84	.84			FH
OTTA	10	1544	1601	1551	N18	W21	7886		1-	1 C	1551	.54	.54			
KANZ	10	1609	1640		N21	E45	7891		1-							D
HALE	11	0434	0440 D	0437	N20	W29	7886		1-	1 P	0437	.60	.60			
ARCE	11	0840 E	0855 D		N19	W34	7886		1-	2	0850	.39	.48			
ARCE	11	0930 E	0950 D		N17	W33	7886		1-	2	0950	.62	.76			
KANZ	11	1322 E	1540 D		N18	W35	7886	138 D	1							E
HUAN	11	1346	1444		N18	W35	7886		1-	C	1405	.37	.46			D
OTTA	11	1414	1451		S21	W39			1-	1 C	1444	.41	.49			H
SACP	11	1510	1529	1518	N21	E33	7891		1-	C		.70	.76		19	
OTTA	11	1510	1534	1515	N21	E33	7891		1-	C	1515	.66	.71			H
MCMA	11	1511	1532	1515	N21	E33	7891		1-	2 C	1515	.50	.60			EH
HUAN	11	1513 E	1526		N21	E35	7891		1-	P	1514	.25	.31			E
OTTA	11	1601	1621 D	1617	S19	W31			1-	1 C	1617	.73	.80			
SACP	11	1602	1624	1617	N20	W34	7886		1-	C		.97	1.05		17	
MCMA	11	1605	1625	1617	N21	W34	7886		1-	2 C	1617	.70	.80			S
HUAN	11	1613	1622	1616	N21	W34	7886		1-	C	1617	.50	.62			D
SACP	11	1711	1725	1718	N19	W36	7886		1-	C		.35	.38		17	
MCMA	11	1713	1725	1717	N21	W34	7886		1-	2 C	1717	.20	.30			D
SACP	11	1910	1943	1925	N23	E32	7891		1-	C		1.15	1.24		17	
MCMA	11	1914	1955	1930	N22	E32	7891		1-	2 P	1930	1.00	1.20			E
HUAN	11	1935 E	□		N21	E35	7891		1-	P						E
SACP	12	0005	0013	0008	N22	W34	7886		1-	C		.17	.19		18	

SOLAR FLARES

JULY 1965

OBSERVATORY	DATE JULY 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
SACP	12	0047	0133	0107	N22	W35	7886		1-	C		1.59	1.74		18	
KANZ	12	0805 E	0835		N21	E23	7891	30 D	1							D
KANZ	12	0920 E	0930		N18	W40	7886	10 D	1							D
KANZ	12	1040 E	1102		N20	W46	7886		1-							D
MONT	12	1145 E	1150 D	1150	N20	E43			1-			1.60				O
MCMA	12	1140	1218	1156	N22	E22	7891		1-	3 C	1156	.40	.40			EK
BUCA	12	1151	1203 D		N21	E22	7891		1-	2			1.20			
CATA	12	1153 E	1223 D	1157	N22	E23	7891		1-	3	1157	.92	1.04		204	EGH
MCMA	12	1405	1428	1407	N22	E21	7891		1-	2 C	1407	.50	.50			E
OTTA	12	1406 E	1426	1407	N22	E21	7891		1-	3 C	1407	.71	.72			F
SACP	12	1536	1550	1544	N19	W52	7886		1-	C		.17	.23		18	
OTTA	12	1540	1546	1544	N18	W53	7886		1-	2 C	1544	.24	.31			
MEUD	12	1542	1546		N22	W54	7886		1-	C	1545	.40	.70			
OTTA	12	1633	1638	1635	N23	E54	7896		1-	2 C	1635	.09	.12			
MONT	13	1049 E	1105 D	1105	N20	W53	7886	16 D	1+			8.30				FO
BUCA	13	1056 E	1125		N21	W55	7886	29 D	1	2			2.90			
OTTA	13	1046	1220	1105	N19	W56	7886	94	1	2 C	1105	2.87	3.94			F
KANZ	13	1058 E	1113 D		N19	E62		15 D	1							E
HALE	13	1945	2016	1948	N20	E03	7891		1-	2 C	1948	.70	.70			F
MCMA	13	1947	2016	1951	N21	E04	7891		1-	2 C	1951	.60	.60			E
HALE	14	1825	1901	1842	S28	W08	7892		1-	2 C	1842	.50	.50			F
HALE	14	1829	1901	1839	S29	W02	7892		1-	2 C	1839	.20	.20			
HALE	14	1921	1953	1923	S28	W10	7892		1-	1 C	1923	.20	.20			J
MCMA	14	2117	2127	2118	N24	W76	7886		1-	3 C	2118	.40				E
HUAN	14	2117	2132	2120	N23	W74	7886		1-	C	2120	.25				
MCMA	14	2142	2213	2148	N19	W10	7891		1-	3 C	2148	.80	.90			S
HUAN	14	2143	2202	2152	N18	W10	7891		1-	C	2152	.50	.53			E
HUAN	14	2203	2221	2211	N24	W75	7886		1-	C	2211	.60				
MCMA	14	2213	2228	2214	N24	W78	7886		1-	2 C	2214	.40				E
HALE	15	0149	0154	0151	N18	W13	7891		1-	2 C	0151	.20	.20			F
ARCE	15	0857	0935 D		N21	W88	7886		1-	2	0902	.33	1.62			
HUAN	15	1207	1211 D		N21	E18	7896		1-	P	1210	.25	.27			E
MCMA	15	1208	1232	1209	N18	W19	7891		1-	3 C	1209	.30	.30			D
HALE	17	0207	0224	0210	N19	W41	7891		1-	2 C	0210	.50	.60			F
HALE	17	0253	0315	0258	N20	W43	7891		1-	3 C	0258	.40	.50			
HUAN	18	1416	1424	1418	N27	E17	7899		1-	C	1418	.15	.17			E
SACP	18	1417	1430	1418	N27	E15	7899		1-	C		.21	.22		18	
HALE	18	1936	1944	1938	N18	W62	7891		1-	1 C	1938	.30	.50			
HALE	18	2208	2250	2215	N22	W62	7891		1-	1 C	2215	.60	1.00			H
KAND	19	0812	0915 D	0827	N17	W74	7891	63 D	1							
BUCA	19	0818 E	0905		N20	W70	7891	47 D	1	2						
ARCE	19	0830 E	0905 D		N18	W71	7891	35 D	1	2	0835	2.06	4.83			
OTTA	21	1420	1436	1429	N11	W45			1-	1 C	1429	.12	.15			
SACP	21	1422	1440	1430	N12	W44			1-	C		.17	.20		18	

SOLAR FLARES

JULY 1965

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		START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	McMATH PLAGE REGION				TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
ARCE	24	0810 E	0840 D		S11	W41	7902		1-	2	0820	.52	.76			
OTTA	25	1339	1358 D	1346	N23	W77			1-	2 C	1346	.18	.39			
KAND	26	0852 E	0858 D		S27	W90			1-							
ARCE	29	0935 E	0955 D		S20	E02	7923		1-	2	0935	.65	.73			

COMMERCE - STANDARDS - BOULDER