

# SOLAR FLARES

JANUARY 1965

IIIc

OBSERVATORY	DATE JAN 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		MAGNETH PLACE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>e</sub>	MAX. INT. %	
					LAT.	MER. DIST.										
MANI	01	0140	0340	NO FLARE	PATROL											
	01	0322 E	0333	0327	N22 W13	7626		1-	2	0327	.20	.20				
	01	0345	0350	NO FLARE	PATROL											
	01	0400	0415	NO FLARE	PATROL											
	01	0420	0515	NO FLARE	PATROL											
	01	0635	0730	NO FLARE	PATROL											
BUCA	01	1011 E	1030 D		N20 W12	7626		1-	2			1.20				
BUCA	01	1013 E	1035 D	1017	N22 W15	7626		1-	2			1.80				
	01	1540	1545	NO FLARE	PATROL											
	01	1600	1605	NO FLARE	PATROL											
HUAN	01	1624	1637	1631	N22 W20	7626		1-	C	1633	.40	.47				D
LOCK	01	1827	1848	1834	N22 E90	7630	21	1	C	1834	.70	3.50		10		L
	01	1917	1932		N22 W22	7626		1-	C	1924	.31	.36				
HUAN	01	1920	2020	1950	N21 W22	7626		1-	C	1950	.60	.60		10		HJ
LOCK	01	1947	1956		N20 W25	7626		1-	P	1952	.10	.10				D
HUAN	01	1947	1956		N20 W25	7626		1-	P	1952	.10	.10				D
LOCK	01	2210	2232	2215	N22 E90	7630	22	1	C	2215	.50	2.50		10		L
MANI	02	0048 E	0052	0049	N22 W25	7626		1-	2	0049	.25	.25				
MITK	02	0057	0116	0105	N20 W27	7626	19	1	V	0057	1.97	2.38	1.54	146		
MITK	02	0121	0128	0120	N19 W24	7626	7	1	V	0120	2.95	3.48	1.02	93		
MITK	02	0204	0212	0206	N20 W90			1-	C							
KODA	02	0227 E			N23 W22	7626		1-	P	0227	.64	.78				
MITK	02	0353 E	0406		N21 E90	7630	13 D	1	V	0356	1.78		4.62			H
MITK	02	0415	0421	0417	N21 E90	7630	6	1	V	0414	3.93		3.25			H
	02	0645	0700	NO FLARE	PATROL											
MANI	02	0806 E	0812	0807	N23 W34	7626		1-	2	0807	.25	.28				
ISTA	02	0810	0825		N23 W26	7626	15									
CATA	02	1030 E	1110	1039	N21 W30	7626		1-	C	1039	.86	1.11		133		E
CATA	02	1040	1138 D	1047	N20 E90	7630		1-	C	1047	.30	1.71		118		D
HUAN	02	1144 E	1149 D		N22 W29	7626		1-	P	1146	.10	.10				D
HUAN	02	1156	1207	1200	N21 W30	7626		1-	C	1200	.19	.25				D
CAPE	02	1306	1342	1308 U	N23 W30	7626		1-	C	1308	1.40	1.80				J
HTPR	02	1310	1320	1315	N24 W27	7626		1-	C	1315	.70	.90				
CAPE	02	1357	1415	1358 U	N23 W30	7626		1-	C	1358	1.10	1.40				J
CLMX	02	1731	1824	1748	N22 W35	7626		1-	C	1748	.80	.90				EJ
LOCK	02	1735	1750	1742	N21 W32	7626		1-	C	1742	.50	.60		10		J
SACP	02	1741 E	1822 D	1744	N21 W34	7626		1-	C		1.11	1.25		18		
LOCK	02	2000 U	2100	2015	N24 E80	7630		1-	C	2015	.40	1.20		10		L
SACP	02	2029	2046	2034	N21 E80	7630		1-	C		.45	1.35		17		
LOCK	02	2225	2330	2255	N24 E80	7630		1-	C	2255	.60	1.80		10		L
CLMX	02	2229	2250 D		N21 E78	7630		1-	C	2231	.50	1.20				
SACP	02	2243	2300	2247	N21 E78	7630		1-	C		.12	.34		18		
	03	0010	0040	NO FLARE	PATROL											
CAPS	03	1125 E	1133		N19 W44	7626		1-	2	1132	.60	1.20				CD
UCCL	03	1133 E	1148 D		N28 W44	7626	15 D	1	2		1.20	2.00				E
CAPE	03	1137	1239	1205	N22 W46	7626		1-	C	1205	1.00	1.60				E
CAPS	03	1142 E	1233		N19 W44	7626		1-	2	1200	.60	1.20				D
HTPR	03	1201	1232	1215	N20 W48	7626		1-	C	1215	.60	1.00				E
HUAN	03	1216 E	1226 D		N22 W45	7626		1-	P	1219	.31	.48				E
HUAN	03	1233 E	1246 D		N22 W45	7626		1-	P	1235	.10	.16				D

# SOLAR FLARES

JANUARY 1965

OBSERVATORY	DATE 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX.		M-MATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hz	MAX. INT. %		
					LAT.	MER. DIST.											
OTTA	03	1427	1457	1443	N23	E68	7630	30	1	C	1443	1.07	2.13		19	E	
SACP	03	1427	1512 U	1440	N24	E72	7630	45 U	1	C		2.01	4.45				
MCMA	03	1428	1520	1435	N22	E70	7630	52	1+	2 C	1435	1.50	4.50			FLS	
CAPE	03	1429	1510	1436	N23	E72	7630	41	1	C	1436	1.40					
	03	2300	2320	NO FLARE	PATROL												
CULG	04	0039	0052	0044	N22	W54	7626		1-	C	0044	.60	1.14				
CULG	04	0201	0210	0205	N23	W50	7626		1-	C	0205	.20	.34				
CULG	04	0318	0342	0327	N23	W55	7626		1-	C	0327	1.00	2.00				
UCCL	04	0953 E	1008		N27	W70	7626		1-	2		.25	.50			E	
UCCL	04	1121	1140		N17	E65	7630		1-	2						D	
CAPE	04	1123	1137	1126	N21	E60	7630	14	1	C	1126	1.00	2.10				
MCMA	04	1615	1620 D	1617	N26	E62	7630		1-	1 P	1617	.20	.60			LS	
SACP	04	1810	1836	1822	N23	E62	7630		1-	C		.33	.56		18		
MCMA	04	1819	1828 D	1823	N26	E60	7630		1-	1 C	1823	.20	.60			D	
SACP	04	1908	1922	1911	N23	E62	7630		1-	C		.74	1.27		18		
SACP	04	2242	2258 D	2244	N23	E59	7630		1-	C		.24	.39		17		
	04	2300	2315	NO FLARE	PATROL												
SACP	04	2343	2359 D	2349	N21	E51	7630		1-	C		.76	1.05		20		
CULG	04	2344	2356 D	2354	N23	E57	7630		1-	P	2354	.80	1.60				
MANI	05	0012 E	0110	0014	N20	E58	7630		1-	2	0014	.25	.35				
CULG	05	0518	0521	0519	N25	E50	7630		1-	C	0519	.40	.68			C	
CULG	05	0536	0552	0542	N25	E48	7630		1-	C	0542	.60	1.02			C	
CULG	05	0536	0555	0542	N20	E50	7630		1-	C	0542	.40	.68				
ARCE	05	0920 E			N23	E46	7630		1-	2	0920	.43	.67			O	
SACP	05	1546	1556	1550	N22	W76	7626		1-	C		.37	.94		16		
IKOM	05	2350	0003 D		N22	W90	7626	13 D	1	V						A	
IKOM	06	0410	0414 D		N22	W90	7626		1-	V						A	
KAND	06	0713	0717		N21	E39	7630		1-	B							
KAND	06	0810	0840		N23	W90	7626	30	2	G							
ARCE	06	0820 E	0830 D		N16	W90	7626	10 D	1	2	0820	.43	2.44			O	
ARCE	06	0845 E	0900 D		N16	W90	7626	15 D	1	2	0850	.56	3.18			O	
KAND	06	0847	0937	0852	N23	W90	7626	50	1+	D							
LOCK	06	1910	1926	1912	N21	E29	7630		1-	C	1912	.50	.60		20		
LOCK	06	2045	2100	2047	N21	E29	7630		1-	C	2047	.70	.80		20		
IKOM	07	0106	0114 D		N22	E28	7630		1-	V	0106	1.20	1.50			D	
	07	0515	0540	NO FLARE	PATROL												
ARCE	07	0850 E	0905 D		N29	E13	7630		1-	2	0900	.69	.96			O	
ARCE	07	0930 E	1000 D		N29	E13	7630		1-	2	0945	.65	.90			O	
	07	1740	1800	NO FLARE	PATROL												
	07	1810	2000	NO FLARE	PATROL												
	07	2015	2155	NO FLARE	PATROL												
CULG	08	0155	0200	NO FLARE	PATROL												
	08	0209	0220	0215	N30	E13	7629		1-	C	0215	.60	.75			C	
	08	1945	1955	NO FLARE	PATROL												
	09	1310	1330	NO FLARE	PATROL												

# SOLAR FLARES

IIIg

JANUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		MCMATH FLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH He	MAX. INT. %	
					LAT.	MER. DIST.										
	JAN 1965															
	09	1335	1340	NO FLARE	PATROL											
	10	0830	0835	NO FLARE	PATROL											
	10	1330	1340	NO FLARE	PATROL											
CULG	11	0045	0129	0100	N25	W17	7630		1-	C	0100	.60	.72			GJL
CULG	11	0046	0100	0048	N27	W21	7630		1-	C	0048	.60	.75			CGJL
CULG	11	0046	0158 D	0101	N23	W19	7630		1-	P	0101	.80	.96			EGJL
CULG	11	0046	0158 D	0103	N23	W26	7630	72 D	1	P	0103	1.60	2.00			FGL
CULG	11	0056	0150	0105	N28	W16	7630		1-	C	0105	.60	.75			GKL
MANI	11	0100	0125	0103	N22	W26	7630		1-	2	0103	.40	.40			
CULG	11	0102	0158 D	0117	N23	W18	7630		1-	P	0117	.40	.46			GL
MITK	11	0110 E	0117 D		N23	W26	7630		1-	C						G
CULG	11	0115	0123	0118	N23	W20	7630		1-	C	0118	.40	.56			CGL
CULG	11	0151	0158 D	0154	N30	W38	7629		1-	P	0154	.40	.60			CGL
CULG	13	0113	0244	0153	N24	W47	7630		1-	C	0153	.40	.68			G
SACP	13	2035	2050	2042	N17	W84			1-	C		.41	1.47			18
UCCL	14	1156	1204 D	1200	N24	E33	7643		1-	3		1.00	1.20			E
SACP	14	1502	1524	1508	N23	E09	7638		1-	C		1.15	1.19			19
SACP	14	2050	2126	2108	N31	W75	7630		1-	C		.49	1.30			17
CULG	14	2153	2218	2204	N26	W37			1-	C	2204	.20	.26			CGH
CULG	15	2150	2201	2155	N22	W08	7638		1-	C	2155	.40	.44			GL
SACP	15	2151	2203	2155	N21	W08	7638		1-	C		.49	.50			17
LOCK	16	1915	1923	1919	N35	E58	7646		1-	C	1919	.20	.40			10
CULG	16	2348	2400 D	2356	N20	W07	7643		1-	P	2356	.40	.44			GH
CULG	17	0228	0254	0236	N20	W08	7643		1-	C	0236	.60	.66			GL
CULG	17	0512	0518	0515	N36	E55	7646		1-	C	0515	.40	.90			G
CULG	17	0544	0607	0554	N21	W10	7643		1-	C	0554	.60	.66			EG
	17	0705	0735	NO FLARE	PATROL											
SACP	17	1452	1459	1454	N37	E67	7650		1-	C		.8	.18			17
LOCK	17	1830	1853	1842	N32	E54	7646		1-	C	1842	.20	.30			10
CULG	17	2126	2138	2131	N21	W16	7643		1-	C	2131	.40	.46			G
LOCK	17	2148	2216	2200	N20	W35	7638		1-	C	2200	.30	.30			10
CULG	17	2155	2206	2159	N19	W35	7638		1-	C	2159	.40	.54			G
	17	2355	2400	NO FLARE	PATROL											
	18	0000	0005	NO FLARE	PATROL											
	18	0015	0045	NO FLARE	PATROL											
KAND	18	0742	0825	0755	N20	W26	7643	43	1-	B						
ISTA	18	0743 E	0810		N23	W20	7643	27 D	1-							
CATA	18	0840 E	0905	0849	N22	W27	7643		1-	C	0849	.40	.48			151 D
KAND	18	0845	0855	0850	N22	W25	7643	10	1	D						
HTPR	18	0846	0852	0848	N22	W19	7643		1-		0848	.40	.50			
KAND	18	0925	0930		N22	W27	7643		1-							
HALE	18	2236 E	2253 D	2239	N19	E55			1-	4	2239	.10	.15			C
	19	0910	0915	NO FLARE	PATROL											

# SOLAR FLARES

JANUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION APPROX.			DURATION - MINUTES	IM-POR-TANCE	OBS. COND.	MEASUREMENTS					REMARKS		
		START	END	MAX. PHASE	LAT.	MER. DIST.	M-CMATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>α</sub>	MAX. INT. %			
UCCL	19	1223	1238		N22	W44	7643		1-	3							DHJ	
HUAN	19	1429	1444	1434	N21	W42	7643		1-	C	1434	.19	.29				D	
HUAN	19	1527	1632	1533	N21	W42	7643		1-	C	1533	.25	.38				DK	
HUAN	19			1553														
HUAN	19			1618														
HUAN	19	1638	1644	1641	N21	W43	7643		1-	C	1641	.25	.39				D	
HUAN	19	1839 E	1916		N20	W45	7643		1-	P	1904	.38	.60				CE	
HUAN	19	2045 E	2115 D	2102	N22	W45	7643		1-	C	2102	.50	.81				E	
HALE	19	2057 E	2208 D	2100	N20	W44	7643		1-	4	2100	.50	.70				C	
CULG	19	2106	2111	2108	N14	W27			1-	C	2108	.20	.24				GH	
HALE	20	0155 E	0240 D	0158	N20	W46	7643		1-	4	0158	.40	.50				C	
CULG	20	0617	0632	0623	N33	E23	7646		1-	C	0623	.20	.28				G	
ARCE	20	0815 E	0835 D		N22	W55	7643		1-	3	0815	.88	1.59				O	
ARCE	20	0855 E	0925 D		N22	W55	7643		1-	3	0905	.85	1.54				O	
CAPS	20	0910 E	0940 D		N23	W47	7643	30 D	1	2	0915	2.20	3.50			160	J	
ARCE	20	0945 E	1000 D		N22	W55	7643	15 D	1	3	0955	1.41	2.55				O	
CATA	20	1130	1140	1137	N22	W49	7643		1-	C	1137	.66	1.20			138	E	
HUAN	20	1222 E	1233		N22	W55	7643		1-	P	1225	.13	.24				D	
HUAN	20	1233	1340		N26	E27	7646		1-	P	1257	.13	.17				D	
CAPS	20	1300	1315		N29	E24	7646		1-	2	1305	.80	1.00			153	D	
HUAN	20	1241	1259 D		N22	W55	7643		1-	P	1257	.13	.24				D	
HUAN	20	1319 E	1336		N22	W55	7643		1-	P	1325	.25	.48				E	
	20	1550	1600	NO FLARE	PATROL													
HUAN	20	1718	1744	1733	N26	E27	7646		1-	C	1733	.25	.33				D	
LOCK	20	1900	1930	1914	N21	W56	7643		1-	C	1914	.20	.30			10		
LOCK	20	2023	2034	2026	N20	W59	7643		1-	C	2026	.40	.50			10		
LOCK	20	2236	2310	2242	N20	W61	7643		1-	C	2242	.30	.50			10		
CLMX	20	2238	2306	2254	N19	W64	7643		1-	C	2254	.60	1.00					
HALE	20	2324 E	2348 D	2330	N25	E90	7655		1-	4	2339	.50					CK	
HALE	20			2339														
MITK	21	0005	0012	0008	N33	E15	7646		1-	C								
MITK	21	0028	0037	0032	N26	W70	7643		1-	C								
CULG	21	0028	0038	0031	N24	W70	7643		1-	C	0031	.60	1.80				C	
CULG	21	0636	0644	0641	N24	W64	7643		1-	C	0641	1.60	4.00					
KAND	21	1306 E	1419 D	1359	N26	E90	7655	73 D	1+	B								
MCMA	21	1410	1418	1414	N26	E90	7655		1-	2	1414	.80						
MCMA	21	2000 E	2018 D		N19	W85	7643		1-	1	2000	.40					D	
	21	2020	2025	NO FLARE	PATROL													
	21	2055	2100	NO FLARE	PATROL													
	21	2250	2345	NO FLARE	PATROL													
	22	0100	0115	NO FLARE	PATROL													
	22	0125	0140	NO FLARE	PATROL													
MITK	22	0318	0352	0332	N21	W85	7643		1-	C								
MITK	22	0520	0536	0524	N21	W90	7643		1-	C								
KAND	22	0659 E	0755 D	0729	N22	W90	7643	56 D	1	B								
CAPE	22	0749 E	0812	0755 U	N21	W86	7643		1-	C	0755	.40					DJ	
KANZ	22	0819	0903		N21	W85	7643		1-									
CATA	22	0840 E	1200 D	1033	N10	W90	7643	200 D	1+	C	1033	.62	3.52			126	D	

# SOLAR FLARES

III

JANUARY 1965

OBSERVATORY	DATE JAN 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX.		MCARTH PLAGE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %		
					LAT.	MER. DIST.											
ARCE	22	0915 E	0940 D		N19	W85	7643	25 D	1	3	0915	.49	2.00			O	
KANZ	22	0930 E	0952 E		N21	W85	7643		1-								
CATA	22	0848 E	1200 D	1033	N23	E90	7655	192 D	1	C	1033	.72	2.94		141	D	
KANZ	22	0959 E	1005 E		N21	W85	7643		1-								
ARCE	22	1000 E	1005 D		N20	W82	7643		1-	3	1003	.46	1.69			O	
CAPE	22	1001 E	1006		N21	W86	7643		1-	C	1001	.30				DJ	
HUAN	22	1452	1525	1501	N20	W90	7643		1-	C	1501	.20				DK	
HUAN	22			1519													
LOCK	22	1607	1632	1617	N20	E90	7655		1-	C	1617	.30	1.50		10	H	
HUAN	22	1720 E	1752	1721	N20	W90	7643		1-	P	1721	.10				DK	
HUAN	22			1742													
LOCK	22	1920 E	1950	1923 U	N20	E90	7655		1-	C	1923	.30	1.50		10		
LOCK	22	2005	2027	2015	N20	E90	7655		1-	C	2015	.20	1.00		10		
LOCK	22	2052	2120 D	2102	N20	E90	7655		1-	C	2102	.20	1.00		10		
LOCK	22	2120	2130	NO FLARE	PATROL												
LOCK	22	2135	2305	NO FLARE	PATROL												
CAPE	23	1008	1047	1016 U	N26	E60	7655		1-	C	1016	.70	1.60			E	
HTPR	23	1015	1047	1025	N25	E55	7655		1-		1025	.70				E	
	23	1320	1330	NO FLARE	PATROL												
	23	1405	1415	NO FLARE	PATROL												
	24	0450	0500	NO FLARE	PATROL												
MANI	24	0621	0632	0624	N24	E60	7655		1-	2	0624	.50	.70				
HTPR	24	0954	1004	0959	N24	E44	7655		1-		0959	.40	.60			D	
KANZ	24	1337	1430		N23	E57	7655		1-								
HTPR	24	1409 E	1432	1412	N21	E55	7655		1-		1412	.30				D	
SACP	24	1412 E	1435 U	1419 U	N23	E56	7655		1-	C		.43	.66		18		
KANZ	24	1441	1452		N23	E57	7655		1-								
SACP	24	1526	1555	1536	N21	E41	7655		1-	C		.16	.20		19		
LOCK	24	1648	1710	1655	N28	E53	7655		1-	C	1655	.30	.50		10		
SACP	24	1650	1714 U	1655	N28	E54	7655		1-	C		.40	.63		17		
SACP	24	1919	1950 U	1934	N22	E52	7655		1-	C		.53	.75		18		
SACP	24	2012	2025 U	2017	N23	E51	7655		1-	C		.49	.69		18		
LOCK	24	2020 E	2035 D	2025 U	N23	E50	7655		1-	C	2025	.30	.50		10	H	
LOCK	25	2103	2120	2110	N24	E32	7655		1-	C	2110	.30	.40		10		
LOCK	25	2218	2229	2222	N22	E36	7655		1-	C	2222	.40	.50		10		
CULG	25	2220	2230	2222	N24	E37	7655		1-	C	2222	.60	.84				
CAPE	26	1343	1353	1346	N26	E23	7655		1-	C	1346	1.00	1.30			E	
HTPR	26	1345	1354	1348	N25	E10	7655		1-		1348	.60	.80				
LOCK	26	1729	1748	1732	N21	E11	7655		1-	C	1732	.30	.30		10		
LOCK	26	2227	2243	2235	N30	W46	7650		1-	C	2235	.20	.30		10	H	
LOCK	26	2357	0016	0001	N30	W46	7650		1-	C	0001	.30	.50		10	H	
	27	0415	0430	NO FLARE	PATROL												
	27	0630	0640	NO FLARE	PATROL												
UCCL	27	0936 E	1021		N28	W60	7650		1-	3						EK	
UCCL	27	1003	1038	1016	N30	E65	7658	35	1	3		1.50	3.70			DK	
UCCL	27	1012	1023		N32	E85	7659	11	1	3						D	

# SOLAR FLARES

JANUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		START	END	MAX. PHASE	APPROX.		MC MATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
					LAT.	MER. DIST.											
MCMA	27	1656	1700	D	N23	E00	7655		1-	1 P	1656	.30	.30			E	
	27	2130	2210		NO FLARE PATROL												
CULG	28	0058	0110	D	0106	N23	E08	7655		1-	P	0106	.60	.69			
MANI	28	0106	0112			N24	E03	7655		1-	2	0107	.50	.50			
VORO	28	0214	0234	D		N23	E04	7655	20	1-			1.89	2.28		E	
CULG	28	0215	0226	D	0218	N23	E08	7655		1-	P	0218	.80	.92			
MITK	28	0217	0232		0217	N20	E10	7655	15	1	V	0219	1.97	2.22	1.64	115	E D
IKOM	28	0225	0230	D		N21	E10	7655	5	D	1	V	0225	1.60	1.80		
CULG	28	0346	0355		0348	N31	E53	7659		1-		C	0348	.60	1.20		D G
MANI	28	0433	0445		0434	N26	E01	7655		1-	2	0434	.25	.25			
IKOM	28	0434	0446	D		N21	E10	7655	12	D	1	V	0436	2.40	2.70		E
MITK	28	0434	0449		0435	N20	E09	7655	15	1	V	0435	1.67	1.87	1.54	107	E
CULG	28	0434	0450		0437	N23	E07	7655		1-	C	0437	1.60	1.84			
CULG	28	0435	0451		0437	N21	E00	7655		1-	C	0437	.80	.85			
CULG	28	0600	0616		0607	N22	E09	7655		1-	C	0607	.40	.46		CH	
SACP	28	1542	1545		1543	N22	E01	7655		1-	C		.74	.76		18	
LOCK	28	1701	1714		1706	N21	E01	7655		1-	C	1706	.10	.10		10	
LOCK	28	1947	1956		1949	N08	E90	7661		1-	C	1949	.10	.50		10	
LOCK	28	2357	0020		0007	N07	E80	7661		1-	C	0007	.30	.70		10	
LOCK	28	2359	0015		0004	N28	W08	7655		1-	C	0004	.40	.40		20	
SACP	29	0002	0014		0004	N22	W06	7655		1-	C		.29	.30		18	
CULG	29	0111	0117		0112	N23	W05	7655		1-	C	0112	.60	.69		H	
	29	1100	1345		NO FLARE PATROL												
OTTA	29	1629	1641		1632	N12	E73	7661		1-	C	1632	.17	.37		H	
SACP	29	1629	1645		1633	N12	E71	7661		1-	C		.24	.51		17	
LOCK	29	1629	1647		1635	N09	E71	7661		1-	C	1635	.60	1.20		10	
MCMA	29	1630	1641		1636	N07	E76	7661		1-	2	C	1636	.50			H SH
LOCK	29	1648	1710		1657	N12	E71	7661		1-	C	1657	.60	1.20		10	
MCMA	29	1655	1703		1658	N09	E75	7661		1-	1	C	1658	.50			H S
LOCK	29	1805	1828		1814	N12	E71	7661		1-	C	1814	.50	1.00		10	
LOCK	29	2010	2055		2020	N12	E71	7661		1-	C	2020	.40	.80		10	
LOCK	29	2128	2135		2130	N08	E71	7661		1-	C	2130	.50	1.00		20	
SACP	29	2128	2135		2131	N09	E70	7661		1-	C		.66	1.29		18	
LOCK	29	2334	2355		2343	N09	E71	7661		1-	C	2343	.10	.20		10	
MITK	30	0142	0153		0142	N07	E66	7661	11	1	V	0142	.88	2.06	1.75	107	D
LOCK	30	1920	1945		1930	N07	E55	7661		1-	C	1930	.30	.50		10	
MCMA	30	1922	1935		1928	N09	E58	7661		1-	1	C	1928	.80	1.60		10
SACP	30	1925	1945		1928	N07	E56	7661		1-	C		.49	.70		18	
LOCK	30	2025	2056		2031	N07	E55	7661		1-	C	2031	.30	.50		10	
SACP	30	2026	2048		2030	N08	E56	7661		1-	C		.66	.93		18	
LOCK	30	2225	2247		2235	N07	E55	7661		1-	C	2235	.20	.40		10	
LOCK	31	0020	0030	D	0025	N05	E55	7661		1-	C	0025	.20	.40		10	
CULG	31	0025	0042		0032	N06	E54	7661		1-	C	0032	.80	1.28		H	
MANI	31	0053	0118		0056	N09	E59	7661		1-	2	0056	.25	.35			
CULG	31	0055	0058	D	0057	N08	E57	7661		1-	P	0058	.40	.72			
	31	0235	0300		NO FLARE PATROL												
	31	0325	0330		NO FLARE PATROL												

# SOLAR FLARES

IIIK

JANUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION -- MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		McMATH FLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>e</sub>	MAX. INT. %	
					LAT.	MER. DIST.										
	JAN 1965															
	31	0630	0640	NO FLARE	PATROL											
KAND	31	1314 E	1323		N05	E43	7661		1-	G						
SACP	31	1530	1553	1533	N07	E46	7661		1-	C		.41	.51		17	
LOCK	31	2010	2034	2017	N07	E45	7661		1-	C	2017	.50	.60		10	
MCMA	31	2013	2024 D	2015	N09	E43	7661		1-	1 P	2015	.50	.70		J	
SACP	31	2013	2040	2015	N09	E44	7661		1-	C		1.08	1.29		19	

COMMERCE - STANDARDS - BOULDER

These flare reports are addenda to the January 1965 flares published in CRPL-F 246 Part B for February 1965.

# SOLAR FLARES

JANUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION		DURATION — MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS		
		JAN 1965	START	END	MAX. PHASE	APPROX.				McMATH PLAGE REGION	TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H <sub>z</sub>		MAX. INT. %	
						LAT.											MER. DIST.
BUCA	01	1013 E	1035 D	1017	N22	W15	7626		1-	2			1.80				
LOCK	01	1827	1848	1834	N22	E90	7630	21	1	C	1834	.70	3.50		10 L		
LOCK	01	1920	2020	1950	N21	W22	7626		1-	C	1950	.60	.60		10 HJ		
LOCK	01	2210	2232	2215	N22	E90	7630	22	1	C	2215	.50	2.50		10 L		
MITK	02	0057	0116	0105	N20	W27	7626	19	1	V	0057	1.97	2.38	1.54	146		
MITK	02	0121	0128	0120	N19	W24	7626	7	1	V	0120	2.95	3.48	1.02	93		
MITK	02	0204	0212	0206	N20	W90			1-	C							
MITK	02	0353 E	0406		N21	E90	7630	13 D	1	V	0356	1.78		4.62			
MITK	02	0415	0421	0417	N21	E90	7630	6	1	V	0414	3.93		3.25			
ISTA	02	0810	0825		N23	W26	7626	15									
CATA	02	1030 E	1110	1039	N21	W30	7626		1-	C	1039	.86	1.11		133 E		
CATA	02	1040	1138 D	1047	N20	E90	7630		1-	C	1047	.30	1.71		118 D		
HTPR	02	1310	1320	1315	N24	W27	7626		1-	C	1315	.70	.90				
LOCK	02	1735	1750	1742	N21	W32	7626		1-	C	1742	.50	.60		10 J		
SACP	02	1741 E	1822 D	1744	N21	W34	7626		1-	C		1.11	1.25		18		
LOCK	02	2000 U	2100	2015	N24	E80	7630		1-	C	2015	.40	1.20		10 L		
SACP	02	2029	2046	2034	N21	E80	7630		1-	C		.45	1.35		17		
LOCK	02	2225	2330	2255	N24	E80	7630		1-	C	2255	.60	1.80		10 L		
SACP	02	2243	2300	2247	N21	E78	7630		1-	C		.12	.34		18		
CAPS	03	1125 E	1133		N19	W44	7626		1-	2	1132	.60	1.20		CD		
CAPS	03	1142 E	1233		N19	W44	7626		1-	2	1200	.60	1.20		D		
HTPR	03	1201	1232	1215	N20	W48	7626		1-		1215	.60	1.00		E		
OTTA	03	1427	1457	1443	N23	E68	7630	30	1	C	1443	1.07	2.13		E		
SACP	03	1427	1512 U	1440	N24	E72	7630	45 U	1	C		2.01	4.45		19		
MCMA	03	1428	1520	1435	N22	E70	7630	52	1+	2 C	1435	1.50	4.50		FLS		
MCMA	04	1615	1620 D	1617	N26	E62	7630		1-	1 P	1617	.20	.60		LS		
SACP	04	1810	1836	1822	N23	E62	7630		1-	C		.33	.56		18		
MCMA	04	1819	1828 D	1823	N26	E60	7630		1-	1 C	1823	.20	.60		D		
SACP	04	1908	1922	1911	N23	E62	7630		1-	C		.74	1.27		18		
SACP	04	2242	2258 D	2244	N23	E59	7630		1-	C		.24	.39		17		
SACP	04	2343	2359 D	2349	N21	E51	7630		1-	C		.76	1.05		20		
ARCE	05	0920 E			N23	E46	7630		1-	2	0920	.43	.67		O		
SACP	05	1546	1556	1550	N22	W76	7626		1-	C		.37	.94		16		
KAND	06	0713	0717		N21	E39	7630		1-	B							
KAND	06	0810	0840		N23	W90	7626	30	2	G							
ARCE	06	0820 E	0830 D		N16	W90	7626	10 D	1	2	0820	.43	2.44		O		
ARCE	06	0845 E	0900 D		N16	W90	7626	15 D	1	2	0850	.56	3.18		O		
KAND	06	0847	0937	0852	N23	W90	7626	50	1+	D							
LOCK	06	1910	1926	1912	N21	E29	7630		1-	C	1912	.50	.60		20		
LOCK	06	2045	2100	2047	N21	E29	7630		1-	C	2047	.70	.80		20		
ARCE	07	0850 E	0905 D		N29	E13	7630		1-	2	0900	.69	.96		O		
ARCE	07	0930 E	1000 D		N29	E13	7630		1-	2	0945	.65	.90		O		
MITK	11	0110 E	0117 D		N23	W26	7629		1-	C					G		
SACP	13	2035	2050	2042	N17	W84			1-	C		.41	1.47		18		



# SOLAR FLARES

JANUARY 1965

OBSERVATORY	DATE JAN 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		M-MATH FLAGE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH He	MAX. INT. %	
					LAT.	MER. DIST.										
SACP	14	1502	1524	1508	N23	E09	7638		1-	C		1.15	1.19		19	
SACP	14	2050	2126	2108	N31	W75	7630		1-	C		.49	1.30		17	
SACP	15	2151	2203	2155	N21	W08	7638		1-	C		.49	.50		17	
LOCK	16	1915	1923	1919	N35	E58	7646		1-	C	1919	.20	.40		10	
SACP	17	1452	1459	1454	N37	E67	7650		1-	C		.8	.18		17	
LOCK	17	1830	1853	1842	N32	E54	7646		1-	C	1842	.20	.30		10	
LOCK	17	2148	2216	2200	N20	W35	7643		1-	C	2200	.30	.30		10	
KAND	18	0742	0825	0755	N20	W26	7643	43	1	B						
ISTA	18	0743 E	0810		N23	W20	7643	27 D	1-	C						
CATA	18	0840 E	0905	0849	N22	W27	7643		1-	C	0849	.40	.48		151	D
KAND	18	0845	0855	0850	N22	W25	7643	10	1	D						
HTPR	18	0846	0852	0848	N22	W19	7643		1-	C	0848	.40	.50			
KAND	18	0925	0930		N22	W27	7643		1-	D						
HALE	18	2236 E	2253 D	2239	N19	E55			1-	4	2239	.10	.15			C
HALE	19	2057 E	2208 D	2100	N20	W44	7643		1-	4	2100	.50	.70			C
HALE	20	0155 E	0240 D	0158	N20	W46	7643		1-	4	0158	.40	.50			C
ARCE	20	0815 E	0835 D		N22	W55	7643		1-	3	0815	.88	1.59			O
ARCE	20	0855 E	0925 D		N22	W55	7643		1-	3	0905	.85	1.54			O
CAPS	20	0910 E	0940 D		N23	W47	7643	30 D	1	2	0915	2.20	3.50		160	J
ARCE	20	0945 E	1000 D		N22	W55	7643	15 D	1	3	0955	1.41	2.55			O
CATA	20	1130	1140	1137	N22	W49	7643		1-	C	1137	.66	1.20		138	E
CAPS	20	1300	1315		N29	E24	7646		1-	2	1305	.80	1.00		153	D
LOCK	20	1900	1930	1914	N21	W56	7643		1-	C	1914	.20	.30		10	
LOCK	20	2023	2034	2026	N20	W59	7643		1-	C	2026	.40	.50		10	
LOCK	20	2236	2310	2242	N20	W61	7643		1-	C	2242	.30	.50		10	
HALE	20	2324 E	2348 D	2330	N25	E90	7655		1-	4	2339	.50				CK
HALE				2339												CK
MITK	21	0005	0012	0008	N33	E15	7646		1-	C						
MITK	21	0028	0037	0032	N26	W70	7643		1-	C						
KAND	21	1306 E	1419 D	1359	N26	E90	7655	73 D	1+	B						
MCMA	21	1410	1418	1414	N26	E90	7655		1-	2 C	1414	.80				
MCMA	21	2000 E	2018 D		N19	W85	7643		1-	1 P	2000	.40				D
MITK	22	0318	0352	0332	N21	W85	7643		1-	C						
MITK	22	0520	0536	0524	N21	W90	7643		1-	C						
KAND	22	0659 E	0755 D	0729	N22	W90	7643	56 D	1	B						
KAND	22	0819	0903		N21	W85	7643		1-	C						
CATA	22	0840 E	1200 D	1033	N10	W90	7643	200 D	1+	C	1033	.62	3.52		126	D
ARCE	22	0915 E	0940 D		N19	W85	7643	25 D	1	3	0915	.49	2.00			O
KANZ	22	0930 E	0952 E		N21	W85	7643		1-	C						
KANZ	22	0959 E	1005 E		N21	W85	7643		1-	C						
ARCE	22	1000 E	1005 D		N20	W82	7643		1-	3	1003	.46	1.69			O
CATA	22	0848 E	1200 D	1033	N23	E90	7655	192 D	1	C	1033	.72	2.94		141	D
LOCK	22	1607	1632	1617	N20	E90	7655		1-	C	1617	.30	1.50		10	H
LOCK	22	1920 E	1950	1923 U	N20	E90	7655		1-	C	1923	.30	1.50		10	

# SOLAR FLARES

JANUARY 1965

OBSERVATORY	DATE JAN 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		MCMATH FLARE REGION				TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH He	MAX. INT. %	
					LAT.	MER. DIST.										
LOCK	22	2005	2027	2015	N20	E90	7655		1-	C	2015	.20	1.00		10	
LOCK	22	2052	2120 D	2102	N20	E90	7655		1-	C	2102	.20	1.00		10	
HTPR	23	1015	1047	1025	N25	E55	7655		1-		1025	.70				E
HTPR	24	0954	1004	0959	N24	E44	7655		1-		0959	.40	.60			D
KANZ	24	1337	1430		N23	E57	7655		1-							
HTPR	24	1409	1432	1412	N21	E55	7655		1-		1412	.30				D
SACP	24	1412 E	1435 U	1419 U	N23	E56	7655		1-	C		.43	.66		18	
KANZ	24	1441	1452		N23	E57	7655		1-							
SACP	24	1526	1555	1536	N21	E41	7655		1-	C		.16	.20		19	
LOCK	24	1648	1710	1655	N28	E53	7655		1-	C	1655	.30	.50		10	
SACP	24	1650	1714 U	1655	N28	E54	7655		1-	C		.40	.63		17	
SACP	24	1919	1950 U	1934	N22	E52	7655		1-	C		.53	.75		18	
SACP	24	2012	2025 U	2017	N23	E51	7655		1-	C		.49	.69		18	
LOCK	24	2020 E	2035 D	2025 U	N23	E50	7655		1-	C	2025	.30	.50		10	H
LOCK	25	2103	2120	2110	N24	E32	7655		1-		2110	.30	.40		10	
LOCK	25	2218	2229	2222	N22	E36	7655		1-	C	2222	.40	.50		10	
HTPR	26	1345	1354	1348	N25	E10	7655		1-		1348	.60	.80			E
LOCK	26	1729	1748	1732	N21	E11	7655		1-	C	1732	.30	.30		10	
LOCK	26	2227	2243	2235	N30	W46	7650		1-	C	2235	.20	.30		10	H
LOCK	26	2357	0016	0001	N30	W46	7650		1-	C	0001	.30	.50		10	H
MCMA	27	1656	1700 D		N23	E00	7655		1-	1 P	1656	.30	.30			E
MITK	28	0217	0232	0217	N20	E10	7655	15	1	V	0219	1.97	2.22	1.64	115	F
MITK	28	0434	0449	0435	N20	E09	7655	15	1	V	0435	1.67	1.87	1.54	107	E
SACP	28	1542	1545	1543	N22	E01	7655		1-	C		.74	.76		18	
LOCK	28	1701	1714	1706	N21	E01	7655		1-	C	1706	.10	.10		10	J
LOCK	28	1947	1956	1949	N08	E90	7661		1-	C	1949	.10	.50		10	
LOCK	28	2357	0020	0007	N07	E80	7661		1-	C	0007	.30	.70		10	
LOCK	28	2359	0015	0004	N28	W08	7655		1-	C	0004	.40	.40		20	
SACP	29	0002	0014	0004	N22	W06	7655		1-	C		.29	.30		18	
OTTA	29	1629	1641	1632	N12	E73	7661		1-	C	1632	.17	.37			H
SACP	29	1629	1645	1633	N12	E71	7661		1-	C		.24	.51		17	
LOCK	29	1629	1647	1635	N09	E71	7661		1-	C	1635	.60	1.20		10	
MCMA	29	1630	1641	1636	N07	E76	7661		1-	2 C	1636	.50				SH
LOCK	29	1648	1710	1657	N12	E71	7661		1-	C	1657	.60	1.20		10	H
MCMA	29	1655	1703	1658	N09	E75	7661		1-	1 C	1658	.50				S
LOCK	29	1805	1828	1814	N12	E71	7661		1-	C	1814	.50	1.00		10	H
LOCK	29	2010	2055	2020	N12	E71	7661		1-	C	2020	.40	.80		10	
LOCK	29	2128	2135	2130	N08	E71	7661		1-	C	2130	.50	1.00		20	J
SACP	29	2128	2135	2131	N09	E70	7661		1-	C		.66	1.29		18	
LOCK	29	2334	2355	2343	N09	E71	7661		1-	C	2343	.10	.20		10	J
MITK	30	0142	0153	0142	N07	E66	7661	11	1	V	0142	.88	2.06	1.75	107	D
LOCK	30	1920	1945	1930	N07	E55	7661		1-	C	1930	.30	.50		10	H
MCMA	30	1922	1935	1928	N09	E58	7661		1-	1 C	1928	.80	1.60			E

# SOLAR FLARES

PII

JANUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION - MINUTES	IM-POR-TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		McMATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hz	MAX. INT. %	
					LAT.	MER. DIST.										
SACP	30	1925	1945	1928	N07	E56	7661		1-	C		.49	.70		18	
LOCK	30	2025	2056	2031	N07	E55	7661		1-	C	2031	.30	.50		10	H
SACP	30	2026	2048	2030	N08	E56	7661		1-	C		.66	.93		18	
LOCK	30	2225	2247	2235	N07	E55	7661		1-	C	2235	.20	.40		10	H
LOCK	31	0020	0030 D	0025	N05	E55	7661		1-	C	0025	.20	.40		10	H
KAND	31	1314 E	1323		N05	E43	7661		1-	G						
SACP	31	1530	1553	1533	N07	E46	7661		1-	C		.41	.51		17	
LOCK	31	2010	2034	2017	N07	E45	7661		1-	C	2017	.50	.60		10	J
MCMA	31	2013	2024 D	2015	N09	E43	7661		1-	P	2015	.50	.70			E
SACP	31	2013	2040	2015	N09	E44	7661		1-	C		1.08	1.29		19	

COMMERCE - STANDARDS - BOULDER