

SOLAR FLARES

FEBRUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION — MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS	
		FEB 1965	START	END	MAX. PHASE	APPROX.					MEMATH FLAGE REGION	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH He		MAX. INT. %
						LAT.	MER. DIST.										
CULG	01	0308	0314	0310	N06	E41	7661		1-	C	0310	1.00	1.30				
CULG	01	0459	0508	0504	N36	W33	7658		1-	C	0504	.20	.32			GC	
	02	0000	0030	NO FLARE			PATROL										
ARCE	02	0920	1000	D	N08	E22	7661		1-	1	0950	.49	.55				
SACP	02	1510	1521		N07	E15	7661		1-	C		.33	.32		17		
OTTA	02	1613	1622		N07	E13	7661		1-	C	1616	.67	.67			H	
MCMA	02	1614	1622		N08	E12	7661		1-	2 C	1616	.50	.50			DH	
CLMX	02	1614	1623		N07	E13	7661		1-	C	1616	1.20	1.20				
SACP	02	1620	1629		N07	E13	7661		1-	C		.29	.28		17		
SACP	02	1656	1719		N08	E13	7661		1-	C		.75	.74		18		
OTTA	02	1700	1715		N08	E13	7661		1-	C	1711	.22	.22			H	
CLMX	02	1707	1715		N08	E13	7661		1-	C	1710	.90	1.00				
SACP	02	1722	1753		N08	E13	7661		1-	C		.29	.28		16		
OTTA	02	1724	1754		N08	E13	7661		1-	C	1728	.33	.33			H	
CLMX	02	1725	1738		N08	E13	7661		1-	C	1729	.60	.60				
SACP	02	1733	1800	U	N06	E15	7661		1-	C		.33	.32		19		
CLMX	02	1738	1802		N05	E16	7661		1-	C	1743	.90	1.00				
OTTA	02	1741	1805		N05	E15	7661		1-	C	1744	.28	.28			E	
SACP	02	1853	1917		N07	E11	7661		1-	C		1.08	1.06		19		
CLMX	02	1854	1917		N07	E12	7661		1-	C	1905	1.10	1.10				
SACP	02	1916	1939		N08	E12	7661		1-	C		.16	.16		19		
CLMX	02	1919	1939		N08	E12	7661		1-	C	1929	.40	.40				
LOCK	02	1919	1945		N10	E10	7661		1-	C	1930	.20	.20		20	H	
MCMA	02	1924	1929	D	N08	E10	7661		1-	1 P	1929	.20	.20			DH	
CLMX	02	2043	2101		N07	E11	7661		1-	C	2053	1.00	1.00				
LOCK	02	2043	2109		N09	E09	7661		1-	C	2054	.60	.60		20	H	
HALE	02	2048	2050	D	N06	E08	7661		1-	4							
SACP	02	2050	2057		N07	E10	7661		1-	C		1.04	1.02		18		
LOCK	02	2131	2201		N08	E09	7661		1-	C	2140	.50	.50		20	H	
CULG	02	2200	2209		N08	E10	7661		1-	C	2203	.40	.42				
CULG	02	2206	2240		N09	E12	7661		1-	C	2211	1.40	1.47			FHK	
CULG	02	2247	2251	D	N08	E12	7661		1-	C	2249	.60	.63			H	
CULG	02	2305	2318	D	N08	E09	7661	13	D	P	2313	2.00	2.10				
LOCK	02	2306	2326		N06	E08	7661		1-	C	2313	.50	.50		20	J	
HALE	02	2307	2322		N06	E08	7661		1-	3	2314	.70	.70				
MITK	02	2311	2318	E	N07	E09	7661	7	E	C							
CULG	02	2343	2356	D	N09	E11	7661		1-	C	2345	.60	.63			H	
CULG	03	0022	0041		N07	E09	7661		1-	C	0030	1.00	1.05			H	
LOCK	03	0025	0034		N08	E08	7661		1-	C	0029	.70	.70		20		
MITK	03	0027	0031		N07	E08	7661		1-	C							
LOCK	03	0041	0053		N09	E09	7661		1-	C	0046	.50	.50		10		
CULG	03	0043	0052	D	N09	E10	7661		1-	C	0046	1.20	1.26				
CULG	03	0058	0119		N10	E10	7661		1-	C	0105	.60	.63			H	
CULG	03	0115	0152		N08	E08	7661		1-	C	0121	.80	.84			HK	
CULG	03	0159	0209		N10	E10	7661		1-	C	0204	.20	.21			H	
CULG	03	0200	0213		N07	E08	7661		1-	C	0204	.80	.84				
CULG	03	0204	0220		N09	E08	7661		1-	C	0211	.60	.63				
CULG	03	0223	0237		N09	E10	7661	14		C	0226	2.00	2.10				
CULG	03	0234	0254		N08	E08	7661		1-	C	0242	1.40	1.47			H	
CULG	03	0306	0321		N07	E11	7661		1-	C	0310	.40	.42				

SOLAR FLARES

FEBRUARY 1965

OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION — MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX.		McMATH FLARE REGION				TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.										
CULG	03	0314	0324	0317	N08	E08	7661		1-	C	0317	1.00	1.05			H
CULG	03	0338	0352	0341	N08	E08	7661		1-	C	0341	.80	.84			
MCMA	03	0355	0415	NO FLARE	PATROL											
	03	1715	1732	1720	N08	E03	7661		1-	1 C	1720	.30	.30			LS
ARCE	04	0855 E	0925 D		N08	W05	7661		1-	2	0905	1.70	1.76			
SACP	05	1613	1629	1621	N06	W24	7661		1-	C		.99	1.01			17
SACP	05	1750	2000 U	1808	N07	W25	7661	130 U	2	C		1.51	1.93			30
MCMA	05	1750	2006 D	1810	N08	W25	7661	136 D	2+	2 C	1810	7.50	8.50			FS
CLMX	05	1750	2024	1810	N08	W26	7661	154	2	C	1810	8.20	8.20			
CULG	06	0127	0135	0131	N07	E49	7668		1-	C	0131	.40	.64			G
ARCE	06	0942 E	1000 D		N10	W33	7661		1-	4	0942	.56	.70			
	06	1720	1930	NO FLARE	PATROL											
	06	1950	2100	NO FLARE	PATROL											
	06	2150	2210	NO FLARE	PATROL											
CULG	07	0320	0330	0324	N12	W46	7661		1-	C	0324	.20	.30			
MITK	07	0330	0347	0336	N11	W42	7661		1-	C						
CULG	07	0332	0350	0339	N11	W42	7661		1-	C	0339	.60	.80			
CULG	07	0422	0433	0426	N05	W48	7661		1-	C	0426	.20	.30			
CAPS	07	1155 E	1200 D		N09	W43	7661	5 D	1	1	1157					C
	07	1220	1245	NO FLARE	PATROL											
LOCK	07	1819	1848	1826	N09	W51	7661	29	1	C	1826	3.60	4.50			20
HUAN	07	1822	1838 D		N09	W53	7661	16 D	1	C	1826	1.64	2.74			EFL
HUAN	07			1827												
HUAN	07			1826												
HUAN	07			1826												
HALE	07	2128	2144	2131	N16	W53	7661		1-	4	2131	.60	.80			
MITK	07	2333	2346	2338	N22	W52	7660		1-	C						
KIEV	08	1151	1210	1159	N13	W49	7665		1-	C	1159	1.00	1.50			50
	08	1545	1600	NO FLARE	PATROL											
LOCK	08	1831	1903	1845	N30	E90	7667		1-	C	1845	.30	1.50			20
MCMA	08	1833	2000 D	1846	N31	E90	7667		1-	1 P	1846					K
LOCK	08	2029	2117	2038	N05	W65	7661		1-	C	2038	.50	.80			10
	09	0120	0200	NO FLARE	PATROL											
	09	0640	0800	NO FLARE	PATROL											
	09	1600	1605	NO FLARE	PATROL											
	09	1905	2105	NO FLARE	PATROL											
	09	2115	2235	NO FLARE	PATROL											
CULG	09	2255	2327	2305	N25	E38	7674	32	2	C	2305	3.60	5.40			FL
ARCE	10	0300	0320	NO FLARE	PATROL											
CAPE	10	0925 E	1013 D		N20	W90	7660	48 D	1	1	1002	.72	4.09			
	10	0950	1022		N20	W90	7660	32	1	C	1004	.90				H
CATA	10	1020	1045 D	1022	N18	W90	7660	25 D	1		1022					
CAPE	10	1121	1128		N21	W90	7660		1-	C	1125	.50				
	10	1605	1650	NO FLARE	PATROL											

SOLAR FLARES

III

FEBRUARY 1965

OBSERVATORY	DATE FEB 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - 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 Ha	MAX. INT. %	
					LAT.	MER. DIST.										
CULG	11	0524	0529 D	0526	N29	E51	7677		1-	P	0526	.40	.80			
LOCK	11	1913		1924	N29	E41	7677		1-	C	1924	.20	.30		10	
LOCK	11	2110		2116	N29	E41	7677		1-	C	2116	.20	.30		10	
CULG	12	0555		0602	N22	E39	7677		1-	C	0602	.60	.84			C
CULG	12	0557		0601	N26	E43	7677		1-	C	0601	.80	1.36			
OTTA	14	0630		0730	NO FLARE		PATROL									
CULG	14	1606		1637	S41	W19	7687		1-	C	1610	.15	.16			H
CULG	14	2200		2217	N32	E06	7677		1-	C	2205	.20	.26			
KAND	15	0735		0745	NO FLARE		PATROL									
KAND	15	1333		1338	S22	W85			1-							
CULG	16	0453		0502	N25	E56			1-	C	0455	.40	.90			G
CULG	16	0540		0548	N28	W13	7677		1-	C	0544	.60	.75			GH
LOCK	16	1700		1716	N32	E01	7677		1-	C	1707	.10	.10		10	H
LOCK	16	2006		2019	S04	E45			1-	C	2010	.20	.20		10	
LOCK	16	2244		2257	S01	E27	7693		1-	C	2249	.10	.10		10	H
OTTA	17	1200		1205	NO FLARE		PATROL									
LOCK	17	1255		1300	NO FLARE		PATROL									
CULG	17	1844		1855	N24	W63	7674		1-	C	1845	.11	.20			
CULG	17	2316		2336	N23	W60	7674		1-	C	2323	.40	.70		10	
SACP	17	2317		2334	N26	W68	7674		1-	C	2323	.40	1.20			G
CULG	17	2319		2332	N25	W64	7674		1-	C		.46	.88		16	
CULG	17	2340		2400	N13	E22			1-	P	2358	.40	.46			G
CULG	18	0137		0200	N28	E22			1-	C	0148	.20	.26			G
KAND	18	1016		1025	N31	E90	7696		1-							
KAND	18	1026		1032	N26	E90	7696		1-							
KAND	18	1116 E		1121	N02	W50			1-							
CLMX	18	1535		1547	N04	E67	7694		1-	C	1540	.60	1.00			
SACP	18	1535		1547	N05	E66	7694		1-	C		.29	.50		17	
LOCK	18	1759		1837	S31	W13	7695		1-	C	1815	.20	.20		10	H
LOCK	18	2044		2102	N43	W30			1-	C	2054	.30	.40		10	H
CULG	18	2142		2201	N21	W34	7677		1-	C	2150	.40	.56			CGL
LOCK	18	2147		2205	N20	W32			1-	C	2152	.40	.40		20	H
CULG	18	2220		2229	N00	E58	7694		1-	C	2223	1.00	1.80			CG
SACP	18	2220		2232	N02	E58	7694		1-	C		.38	.55		17	
MCMA	19	1635		1650	S23	W13	7695		1-	1 C	1638	.20	.20			DH
CULG	20	0210		0215	NO FLARE		PATROL									
LOCK	20	2218		2236	N32	E15			1-	C	0226	.40	.52			CGH
SACP	20	2218		2238	N30	E13			1-	C	2225	.20	.20		10	
CULG	20	2256		2307	N27	E64	7697		1-	C		.27	.53		18	
LOCK	20	2256		2309	N26	E64	7697		1-	C	2301	.60	1.80			G
LOCK	20	2256		2310	N26	E59	7697		1-	C	2302	.40	.70		10	
KAND	23	0653 E		0808	S05	E90	7704	75 D	2							

SOLAR FLARES

FEBRUARY 1965

OBSERVATORY	DATE FEB 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - 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 Ha	MAX. INT. %	
					LAT.	MER. DIST.										
LOCK	23	2010	2030	2017	N32	W90		1-	C	2017	.30	1.50		20		
SIBE	24	0420 E	0429	0423	S04	E79	7704	9 E	1	C	0423	.66	3.40		180	EL
LOCK	24	2026	2041	2033	S03	E61	7704		1-	C	2033	.30	.50		10	
SACP	26	2123	2142	2130	N16	E54	7707		1-	C		.12	.18		17	
HALE	26	2336	2355	2346	N05	E35			1-	3	2346	.20	.20			H
CULG	27	0419	0436	0429	S05	E32	7704		1-	C	0429	.60	.69			L
CULG	27	0502	0518	0511	S06	E32	7704		1-	C	0511	.20	.23			L
CULG	27	0551	0607	0557	S16	E35	7709		1-	C	0557	.80	1.00			EG
MITK	27	0553	0604	0556	S15	E35	7709		1-	C						
CATA	27	0845	0915 D	0846	N28	E74	7710		1-	C	0846	.16	.42		155	G
ISTA	27	0855 E	0904 D		N35	E21		9 D								
NIZH	27	0925 E	0935 D	0930	S15	E44	7709	10 E	1	1	0930	1.82	2.79	1.30		CDH
HTPR	27	0932	0952	0936	N23	E45	7707	20	1		0936	1.60	2.50			
KANZ	27	0942 E	0946 D		N16	E49	7707	4 D	1							E
CAPS	27	0942 E	1020 D		N22	E42	7707	38 D	1	1	0942	2.40	3.50		150	E
ARCE	27	1015 E	1020 D		N24	E47	7707		1-	2	1015	.65	1.06			
ARCE	27	1015 E	1020 D		N36	E72	7710		1-	2	1015	.26	.80			
ARCE	27	1015 E	1020 D		S01	E30	7704		1-	2	1015	.20	.23			
MCMA	27	1319 E	1417 D		N32	E62	7710		1-	2 P	1350	.40				S
CULG	27	2234	2300	2239	S04	E21	7704		1-	C	2239	.20	.21			D
HUAN	27	2238 E	2238 D		S03	E22	7704		1-	P	2238	.10	.10			D
CULG	28	0425	0549	0432	N23	E37	7707		1-	C	0432	3.00	4.50			FG
LOCK	28	2010	2025	2015	N30	E44	7710		1-	C	2015	.40	.50		10	
LOCK	28	2042	2104	2047	N21	E22	7707		1-	C	2047	.50	.50		20	
MCMA	28	2044	2057	2048	N23	E29	7707		1-	3 C	2048	.40	.50			ES

COMMERCE - STANDARDS - BOULDER

These flare reports are addenda to the February 1965 flares published in CRPL-F 247 Part B for March 1965.

SOLAR FLARES

FEBRUARY 1965

OBSERVATORY	DATE FEB 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION — 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 Ha	MAX. INT. %	
					LAT.	MER. DIST.										
ARCE	02	0920 E	1000 D		N08	E22	7661		1-	1	0950	.49	.55			
SACP	02	1510	1521	1517	N07	E15	7661		1-	C		.33	.32	17		
MCMA	02	1614	1622	1616	N08	E12	7661		1-	2	1616	.50	.50		DH	
SACP	02	1620 E	1629	1620	N07	E13	7661		1-	C		.29	.28	17		
SACP	02	1656	1719	1711	N08	E13	7661		1-	C		.75	.74	18		
SACP	02	1722	1753	1731	N08	E13	7661		1-	C		.29	.28	16		
SACP	02	1733	1800 U	1744	N06	E15	7661		1-	C		.33	.32	19		
SACP	02	1853	1917	1905	N07	E11	7661		1-	C		1.08	1.06	19		
SACP	02	1916	1939	1931	N08	E12	7661		1-	C		.16	.16	19		
LOCK	02	1919	1945	1930	N10	E10	7661		1-	C	1930	.20	.20	20	H	
MCMA	02	1924	1929 D		N08	E10	7661		1-	1	1929	.20	.20		DH	
LOCK	02	2043	2109	2054	N09	E09	7661		1-	C	2054	.60	.60	20	H	
SACP	02	2050	2057	2052	N07	E10	7661		1-	C		1.04	1.02	18		
LOCK	02	2131	2201	2140	N08	E09	7661		1-	C	2140	.50	.50	20	H	
LOCK	02	2306	2326	2313	N06	E08	7661		1-	C	2313	.50	.50	20	J	
MITK	02	2311 E	2318	2312	N07	E09	7661	7 E	1	C						
LOCK	03	0025	0034	0029	N08	E08	7661		1-	C	0029	.70	.70	20		
MITK	03	0027	0031	0029	N07	E08	7661		1-	C						
LOCK	03	0041	0053	0046	N09	E09	7661		1-	C	0046	.50	.50	10		
MCMA	03	1715	1732	1720	N08	E03	7661		1-	1	1720	.30	.30		LS	
ARCE	04	0855 E	0925 D		N08	W05	7661		1-	2	0905	1.70	1.76			
SACP	05	1613	1629	1621	N06	W24	7661		1-	C		.99	1.01	17		
SACP	05	1750	2000 U	1808	N07	W25	7661	130 U	2	C		1.51	1.93	30		
MCMA	05	1750	2006 D	1810	N08	W25	7661	136 D	2+	2	1810	7.50	8.50		FS	
ARCE	06	0942 E	1000 D		N10	W33	7661		1-	4	0942	.56	.70			
MITK	07	0330	0347	0336	N11	W42	7661		1-	C						
LOCK	07	1819	1848	1826	N09	W51	7661	29	1	C	1826	3.60	4.50	20	FL	
MITK	07	2333	2346	2338	N22	W52	7660		1-	C						
LOCK	08	1831	1903	1845	N30	E90	7667		1-	C	1845	.30	1.50	20		
MCMA	08	1833	2000 D	1846	N31	E90	7667		1-	1	1846				K	
LOCK	08	2029	2117	2038	N05	W65	7661		1-	C	2038	.50	.80	10	L	
ARCE	10	0925 E	1013 D		N20	W90	7660	48 D	1	1	1002	.72	4.09			
CATA	10	1020	1045 D	1022	N18	W90	7660	25 D	1		1022					
LOCK	11	1913	1937	1924	N29	E41	7677		1-	C	1924	.20	.30	10		
LOCK	11	2110	2127	2116	N29	E41	7677		1-	C	2116	.20	.30	10		
KAND	15	1333	1338		S22	W85			1-							
LOCK	16	1700	1716	1707	N32	E01	7677		1-	C	1707	.10	.10	10	H	
LOCK	16	2006	2019	2010	S04	E45			1-	C	2010	.20	.20	10		
LOCK	16	2244	2257	2249	S01	E27	7693		1-	C	2249	.10	.10	10	H	
LOCK	17	2316	2336	2323	N23	W60	7674		1-	C	2323	.40	.70	10		

SOLAR FLARES

FEBRUARY 1965

OBSERVATORY	DATE FEB 1965	OBSERVED UNIVERSAL TIME			LOCATION			DURA- TION - MINUTES	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
		START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	MATH PLAGE REGION				TIME - U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH He	MAX. INT. %	
SACP	17	2319	2332	2328	N25	W64	7674		1-	C		.46	.88		16	
KAND	18	1016	1025	1022	N31	E90	7696		1-							
KAND	18	1026	1032	1028	N26	E90	7696		1-							
KAND	18	1116 E	1121		N02	W50			1-							
SACP	18	1535	1547	1540	N05	E66	7694		1-	C		.29	.50		17	
LOCK	18	1759	1837	1815	S31	W13	7695		1-	C	1815	.20	.20		10	H
LOCK	18	2044	2102	2054	N43	W30			1-	C	2054	.30	.40		10	H
LOCK	18	2147	2205	2152	N20	W32			1-	C	2152	.40	.40		20	H
SACP	18	2220	2232	2224	N02	E58	7694		1-	C		.38	.55		17	
MCMA	19	1635	1650	1638	S23	W13	7695		1-	1 C	1638	.20	.20			DH
LOCK	20	2218	2238	2225	N30	E13			1-	C	2225	.20	.20		10	
SACP	20	2256	2307	2259	N27	E64	7697		1-	C		.27	.53		18	
LOCK	20	2256	2310	2302	N26	E59	7697		1-	C	2302	.40	.70		10	
KAND	23	0653 E	0808	0713	S05	E90	7704	75 D	2							
LOCK	23	2010	2030	2017	N32	W90			1-	C	2017	.30	1.50		20	
LOCK	24	2026	2041	2033	S03	E61	7704		1-	C	2033	.30	.50		10	
SACP	26	2123	2142	2130	N16	E54	7707		1-	C		.12	.18		17	
MITK	27	0553	0604	0556	S15	E35	7709		1-	C						
CATA	27	0845	0915 D	0846	N28	E74	7710		1-	C	0846	.16	.42		155	G
ISTA	27	0855 E	0904 D		N35	E21		9 D								
ARCE	27	1015 E	1020 D		N36	E72	7710		1-	2	1015	.26	.80			
ARCE	27	1015 E	1020 D		N24	E47	7707		1-	2	1015	.65	1.06			
ARCE	27	1015 E	1020 D		S01	E30	7704		1-	2	1015	.20	.23			
MCMA	27	1319 E	1417 D		N32	E62	7710		1-	2 P	1350	.40				S
LOCK	28	2010	2025	2015	N30	E44	7710		1-	C	2015	.40	.50		10	
LOCK	28	2042	2104	2047	N21	E22	7707		1-	C	2047	.50	.50		20	
MCMA	28	2044	2057	2048	N23	E29	7707		1-	3 C	2048	.40	.50			ES

COMMERCE - STANDARDS - BOULDER

Errata: In CRPL-F 244 Part B, page IIIi, for the two OTTA flares on August 30, 1964 the area measurements should be in the MEAS. AREA not CORR. AREA column.

In CRPL-F 246 Part B, pages IIIa, IIIb, remove "O" from remarks column for ARCE flares on January 5, 6, 7, 20, and 22, 1965. Also remove "B, G or D" entries under OBS. COND for KAND flares on January 6, 18, 21, 22, and 31, 1965.