SOLAR FLARES
FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
MITAKA	01	0333 E	0355	0339	N09	W29	6326	22 D	1+	1	0339	4.42	5.36	5.49	125	S-SWF
KODAIKANL	01	0334 E	0351 D	0337	N10	W29	6326	17 D	1	2	0337	2.30	2.70	1.60	114	
MITAKA	01	0454	0511	0454	N09	W30	6326	17	1	1	0456	1.96	2.37	2.03	110	
KODAIKANL	01	0550 E	0600 D	0552	N10	W33	6326	10 D	1	3	0552	2.30	2.80	2.08	122	
KODAIKANL	01	0647 E	0652 D	0648	N10	W33	6326	5 D	1	2	0648	2.30	2.80	1.20	114	
KODAIKANL	01	0830 E			N10	W33			1-	2		1.10	1.40			
ONDREJOV	01	0900 E	1042		S09	W31	6327	102 D	1+	3	0906			3.10		
WENDEL	01	0901 E	0923 D		N08	W31	6326	22 D	1				4.00			
CAPRI S	01	0902 E	0946 D		N10	W35	6326	44 D	2	1	0919	6.50	8.10			
KODAIKANL	01	0912 E			N10	W33			1-	2		1.10	1.40			
LOCARNO	01	0925 E	1045		N10	W40	6326	80 D	2	1						
ARCETRI	01	0935 E	1005 D		N12	W42	6326	30 D	2	2						
SALTSJOBADN	01	0945 E	1150 D		N09	W40	6326	125 D	1	1	1030	7.00	9.10			
WENDEL	01	0946 E	1036 D	1004	N09	W38	6326	50 D	1+				8.00			
LOCARNO	01	1230 E	1246		N10	W34	6326	16 D	1	1						
MCMATH	01	1430	1500	1432	N09	W36	6326		1-	2	1432	.40	.50			
MCMATH	01	1508	1518	1510	N09	W35	6326		1-	2	1510	.20	.30			
SAC PEAK	01	1552	1618 U	1554	N10	W37	6326	26 D	1	3		1.88	2.08		19	
MCMATH	01	1552	1622	1555	N10	W38	6326		1-	2	1555	1.10	1.50			
HUANCAYO	01	1555	1615	1557	N09	W35	6326	20	1	2	1557	2.80	3.50	2.70		
LOCKHEED	01	1555 E	1625	1608	N10	W40			1-	1	1608	.60	.70		20	
SAC PEAK	01	1634	1738	1644	N09	W41	6326	64	1	3		3.47	4.02		25	
SAC PEAK	01	1634	1738	1702	N09	W41			1							
MCMATH	01	1635	1730	1645	N10	W38	6326	55	1+	2	1659	2.00	2.50			S-SWF
MCMATH	01	1635	1730	1659	N10	W38			1+							
HUANCAYO	01	1636	1653	1640	N09	W35	6326	17	1	2	1640	2.90	3.70	3.10		
HUANCAYO	01	1655	1706 D	1659	N09	W35	6326	11 D	1	2	1659	2.70	3.30	3.30		
SAC PEAK	01	1818	1832	1824	N10	W41			1-	3		1.63	1.90		17	
MCMATH	01	1820	1827	1821	N11	W39	6326		1-	2	1821	.40	.60			
HONOLULU	01	1824 E	1908 D		N18	W38	6326	44 D	1	3	1824	1.60	2.10			S-SWF
SAC PEAK	01	1840	1852	1846	N11	W40			1-	3		.54	.60		16	
MCMATH	01	1842	1910	1846	N10	W40	6326		1-	2	1846	.40	.50			
HONOLULU	01	1858 E	1930 D	1910	N18	W36			1-	3	1910	1.00	1.20			
SAC PEAK	01	1940	1952	1946	N10	W40			1-	3		.72	.85		17	
HONOLULU	01	1940 E	2008 D	1944	N18	W37			1-	3	1944	1.00	1.20			
LOCKHEED	01	1940	2036	1945	N10	W40			1-	2	1945	.80	.90		20	
MCMATH	01	1942	2025 D	1945	N11	W41	6326		1-	2	1945	.30	.40			
LOCKHEED	01	2154	2200	2155	N10	W40			1-	2	2156	.40	.50		20	
LOCKHEED	01	2307	2313	2309	N11	W42			1-	2	2309	.10	.10		10	
LOCKHEED	01	2332	2343	2338	N10	W41			1-	2	2338	.40	.50		20	
SAC PEAK	02	2208	2212	2210	N08	E30			1-	3		1.07	1.07		17	
LOCKHEED	02	2215	2300	2220	N10	W63	6326	45	2	2	2220	4.30	7.00		20	
HONOLULU	02	2213 E	2240 D	2222	N13	W62	6326	22 D	1	3	2222	3.10	4.80			
LOCKHEED	03	0056	0107	0101	N11	W62			1-	1	0101	.20	.30		30	
CAPRI S	03	1231 E	1340 D		N09	W67	6326	69 D	1	3	1241	.90	2.70			
WENDEL	03	1320 E	1349 D		N08	W67	6326	29 D	1+				6.00			
SCHAUINS	03	1336 E	1413 D		N08	W66	6326	37 D	1	2			5.00	1.60		
SAC PEAK	03	2126 E	2138 U	2130	N11	W81			1-	3		.99			19	
LOCKHEED	03	2126	2141	2130	N13	W78	6326	15	1	1	2130	.80	2.00		20	

SOLAR FLARES

FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
HONOLULU	03	2346 E	2358 D	2350	N14	W80	6326	12 D	1	3	2350	1.00	2.50			
LOCKHEED	03	2347	0008	2352	N13	W78	6326	21	2	1	2352	2.50	6.30		20	
IKOMASAN	03	2353	2358 D		N09	W72	6326	5 D	1		2353	2.06		1.67	120	
MITAKA	03	2355 E	0010		N10	W77	6326	15 D	1	1	2355	1.97		2.70		
KODAIKANL	04	0158 E	0235 D	0222	N11	W80	6326	37 D	2+	3	0222	1.90	1.00	4.00	135	
KODAIKANL	04	0315 E	0317 D	0315	N11	W80	6326	2 D	1	3	0315	.60	3.70	1.36	114	
SAC PEAK	04	1508	1618	1534	N10	W80			1-	3		1.59			18	
SAC PEAK	04	1726	1746	1732	N10	W80			1-	3		.37			19	
LOCKHEED	04	1726	1753	1731	N10	W80			1-	1	1731	.30	.90		10	
MCMATH	04	1728	1751	1732	N10	W81	6326		1-	2	1732	.10	.80			
HONOLULU	04	1828 E	1840 D	1830	N05	E01			1-	3	1830	.01	.01			
LOCKHEED	04	1920	1942	1930	N09	E09			1-	1	1930	.30	.30		20	
LOCKHEED	04	2015	2025	2018	N10	W80			1-	1	2018	.40	1.20		20	
LOCKHEED	04	2053 U	2105	2056	N14	W90	6326	12 U	1	1	2056	.70	3.50		20	
HONOLULU	05	0150 E	0208 D	0152	N09	W01			1-	3	0152	.50	.50			
MITAKA	05	0506	0529	0518	N07	W88	6326	23	1	1	0509	.49		2.28		
SAC PEAK	05	1610	1618	1612	N08	W90	6326	8	1	3		.62	3.09		18	
SAC PEAK	05	2206	2218	2212	N07	W11			1-	3		.72	.72		14	
SAC PEAK	06	1624	1634	1628	N09	W10			1-	3		.64	.64		16	
HUANCAYO	06	1625	1630	1625	N09	W09			1-	2	1625	.80	.80	2.40		
MITAKA	07	0005	0019	0013	N07	W90	6326	14	1	1	0013	2.45		4.93		
MITAKA	07	0038	0114	0056	N07	W90	6326	36	1	1	0038	2.76		4.67		
SAC PEAK	07	1834	1842	1838	N04	W39			1-	2		.21	.23		14	
SAC PEAK	07	2058	2110	2100	N04	W39			1-	2		.29	.33		14	
SAC PEAK	07	2136	2210	2148	N04	W40			1-	2		1.07	1.20		17	
SAC PEAK	07	2136	2210	2156	N04	W40			1-							
SAC PEAK	08	1714 E	1720	1714 E	N03	W42			1-	3		.52	.66		16	
SAC PEAK	08	1908	1918	1912	N07	W41			1-	3		.43	.56		14	
SAC PEAK	10	1638	1652	1642	N06	W78			1-	3		.72	1.53		17	
SAC PEAK	10	1916	1940	1922	N07	W79			1-	3		.58	1.32		17	
SAC PEAK	10	2124	2154	2128	N06	W80	6334	30	1	3		.89	2.25		19	
LOCKHEED	16	0024	0030 U	0026	N15	E09			1-	2	0026	.30	.30		20	
MCMATH	17	1319 E	1327		N09	E40	6348		1-	1	1319	.90	1.30			
SAC PEAK	17	2104	2116	2110	N12	E25			1-	3		.23	.23		22	
BUCHAREST	19	0911 E	0915 D	0914	S05	E90			1-	2						
ZURICH	19	0913	0917		S11	E80	6351	4	1	2	0913		2.00			
ZURICH	19	1304 E	1530 D		N11	E73	6352	146 D	1	2	1304		4.00			
CAPRI S	19	1305 E	1401 D		N16	E80	6352	56 D	2	3	1315	2.10	8.40			Slow S-SWF
LOCARNO	19	1315 E	1430		N08	E74	6352	75 D	2	2						
HUANCAYO	19	1333 E	1540 U	1342	N04	E80	6352	127 D	2	2	1342	2.00	9.90	3.10		
ARCETRI	19	1335 E	1451 D		S10	E80	6351	76 D	2	3						
SAC PEAK	19	1810	1824	1818	S09	E88			1-	2		.43	1.53		20	

SOLAR FLARES

FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
HONOLULU	19	2134 E	2202 D	2144	S10	E90	6351	28 D	2	3	2144	1.60	5.40			
SAC PEAK	19	2145 E	2154 U	2148 U	S09	E85	6351	9 D	1	2		1.44	3.90		15	
MITAKA	19	2342	0015	0001	N15	[illegible]	6352	33	1	1	0001	3.93		6.90		
MITAKA	20	0240 E	0246		S10	E80	6351	6 D	1	1	0246	1.01		2.40	100	
MITAKA	20	0444	0506	0456	S10	E79	6351	22	1	1	0456	2.36		2.06	102	
MITAKA	20	0550	0625	0557	S10	E78	6351	35	2	1	0557	5.70		5.10	180	S-SWF
WENDEL	20	0745 E	0825 D		S10	E70	6351	40 D	1				4.00			
WENDEL	20	0812 E	0830 D		N07	E75	6352	18 D	1				3.00			
WENDEL	20	1152 E	1202 D		S11	E65			1-							
WENDEL	20	1204 E	1235 D		S12	E73	6351	31 D	1				3.00			
CAPRI S	20	1405 E	1421 D		S08	E64			1-	3	1409	.40	1.20			
MCMATH	20	1701	1718	1706	S10	E70	6351		1-	2	1706	.20	.70			
MCMATH	20	1821	1900 D	1827	S10	E72	6351	39 D	1	2	1827	1.50	2.50			
CAPRI S	21	0731 E	0739 D		N12	E63			1-	3	0731	.60	1.10			
CAPRI S	21	0731 E	0756 D		S10	E58	6351	25 D	1	3	0740	2.50	4.70			
CAPRI S	21	0759 E	0808 D		S09	E55			1-	3	0801	1.10	2.00			
CAPRI S	21	0816 E	0845 D		S09	E60	6351	29 D	2	3	0824	2.60	5.20			
BUCHAREST	21	0820 E	0838 D	0828	S03	E57	6351	18 D	1	2			5.05			
KODAIKANL	21	0821 E	0833 D	0822	S10	E60	6351	12 D	1	1		1.75	3.50			
KODAIKANL	21	0917 E	0922 D	0918	S10	E60			1-	1	0917	.87	1.73	1.76		
BUCHAREST	21	0917 E	0925 D		S03	E57	6351	8 D	1				4.04			
BUCHAREST	21	0940 E	0957 D		S03	E57	6351	17 D	1				3.03			
CAPRI S	21	0944 E	0958 D		S09	E54			1-	3	0953	.50	1.00			
CAPRI S	21	1005 E	1009 D		N12	E62			1-	3	1007	.40	1.00			
LOCKHEED	21	1835 E	1855	1835 U	N12	E56			1-	1	1835	1.00	1.50		10	
LOCKHEED	21	1836	1854	1845	S09	E53			1-	1	1845	.40	.60		10	
LOCKHEED	21	1910	1922 U	1916	S08	E21			1-	1	1916	.20	.20		10	
SAC PEAK	21	2158 E	2224 U	2206 U	N12	E55	6352	26 D	1	2		2.31	3.16		20	
LOCKHEED	21	2200 U	2217 U	2210	N11	E55	6352	17 U	1	1	2210	2.00	2.90		10	
KODAIKANL	22	0210 E	0222 D	0216	S09	E47			1-	2	0216	.58	.85	1.36	114	
KODAIKANL	22	0230 E	0240 D	0231	S10	E48	6351	10 D	1	2	0231	1.15	1.73	1.60	122	
KODAIKANL	22	0413 E	0429 D	0423	S10	E48			1-	1		.58	.86			
KODAIKANL	22	0612 E	0631 D	0612	S10	E50	6351	19 D	1	2		1.75	2.73			
LOCKHEED	22	1904	1910	1905	N10	E44			1-	1	1905	.30	.40		10	
LOCKHEED	22	1940 U	1952	1944 U	S10	E37			1-	1	1944	.50	.50		10	
LOCKHEED	22	2013	2033	2015	S10	E37			1-	2	2015	1.00	1.10		20	
LOCKHEED	22	2032	2040 U	2035 U	N08	E43			1-	1	2035	.30	.40		10	
LOCKHEED	22	2150	2202	2154	S12	E02			1-	2	2154	.20	.20		10	
LOCKHEED	22	2155	2225	2201	S08	E45			1-	1	2201	.30	.40		10	
LOCKHEED	22	2159	2209	2203	N13	E43			1-	2	2203	.40	.50		10	
WENDEL	23	0743 E	0755 D		S09	E31	6351	12 D	1				3.00			
WENDEL	23	0938 E	1011 D		S10	E34	6351	33 D	1+				6.00			
SAC PEAK	23	1534	1548	1544	N11	E32	6352	14	1	3		2.31	2.35		16	
SAC PEAK	23	1546	1616 U	1604	S11	E30			1-	3		.87	.89		17	
SAC PEAK	23	1654	1700 U	1656	S12	E29			1-	3		1.16	1.18		18	
SAC PEAK	23	1746	2228 U	1839	S11	E27	6351	282 D	2	3		9.80	9.92		35	
SAC PEAK	23	1746	2228 U	1848	S11	E27			2							

SOLAR FLARES

FEBRUARY 1962

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HONOLULU	23	1818 E	1844 D	1835	S07	E25	6351	26 D	1	3	1835	2.40	2.40			
HUANCAYO	23	1823 E	1902	1848	S09	E29	6351	39 D	1+	2	1841	3.70	4.20	3.90		Slow S-SWF
SAC PEAK	23	2202	2209 U	2205	N11	E28			1-	3		.33	.35		20	
ARCETRI	24	0820 E	0855 D		S10	E15	6351	35 D	1	3						
WENDEL	24	0918 E	1000 D		S13	E21	6351	42 D	1				3.00			
ARCETRI	24	0930 E	1005 D		S10	E16	6351	5 D	1	3						
WENDEL	24	1029 E	1054 D		S12	E19	6351	25 D	1				3.00			
MCMATH	24	1341	1349	1342	N14	E25	6352		1-	1	1342	.25	.30			
MCMATH	24	1358	1408 D	1400	S12	E16	6351		1-	1	1400	.80	.80			
SCHAUINS	24	1430 E	1506 D		S11	W12	6350	36 D	1+	1			4.00			
HUANCAYO	24	1452 E	1456	1454	S13	E12	6351	4 D	1	2	1453	1.10	1.20	5.80		
SAC PEAK	24	1910	1920	1914	N07	W68			1-	2		.62	1.11		16	
SAC PEAK	24	1940	2000	1950	N18	E45			1-	2		.76	.93		17	
MCMATH	24	1945	1954	1947	N18	E45	6353		1-	2	1947	.30	.50			
SAC PEAK	24	2128	2146	2134	S08	E10			1-	2		.78	.76		20	
LOCKHEED	24	2130	2144	2135	S07	E10			1-	1	2135	.40	.40		20	
SAC PEAK	25	1544	1558	1548	N14	E10			1-	3		.97	.97		15	
SAC PEAK	25	1612	1620	1614	S08	W03			1-	3		1.65	1.63		16	
LOCKHEED	25	1814	1831	1817	S11	W16			1-	1	1824	.50	.50		20	
LOCKHEED	25	1814	1831	1824	S11	W16			1-							
LOCKHEED	25	1825	1836	1828	S11	W00			1-	1	1828	.60	.60		10	
LOCKHEED	25	1912	1935	1920	S14	W15			1-	1	1920	.60	.60		20	
MCMATH	25	1914	1927	1918	S14	W04	6351		1-	2	1918	.30	.30			
LOCKHEED	25	1924	1933	1927	S11	W16			1-	1	1927	.40	.40		20	
SAC PEAK	25	1927 E	1958	1952	S14	W06			1							
SAC PEAK	25	1927 E	1958	1927	S14	W06	6351	31 D	1	2		2.60	2.56		24	
SAC PEAK	25	1927 E	1958	1944	S14	W06			1							
LOCKHEED	25	1940	1955	1943	S11	W16			1-	1	1943	.50	.50		20	
SAC PEAK	26	1630	1642	1636	S15	W17			1-	3		.72	.72		26	
SAC PEAK	26	1652	1658	1654	S17	W18			1-	3		.93	.93		19	
SAC PEAK	26	1908	2036	1934	S12	W13			1-	3		2.02	1.98		20	
SAC PEAK	26	2134	2144	2138	S10	W24			1-	2		.33	.33		20	
WENDEL	27	1016 E	1027 D		S13	W27			1-							
WENDEL	27	1052 E	1100 D		S09	W25			1-							
WENDEL	27	1101 E	1112 D		S13	W24			1-							
WENDEL	27	1121 E	1130 D		S12	W23			1-							
WENDEL	27	1124 E	1133 D		S10	W30			1-							
WENDEL	27	1314 E	1323 D		S10	W18			1-							
CAPRI S	27	1408 E	1422 D		S13	W22			1-	2	1412	1.50	1.60			
MCMATH	27	1413 E	1420 D		S10	W17	6351		1-	1	1413	.30	.30			
CAPRI S	27	1422 E	1435 D		S13	W28			1-	3	1433	1.00	1.10			
MCMATH	27	1514 E	1720 D		S12	W30	6351	126 D	1	1	1547	1.50	2.00			
CAPRI S	27	1527 E	1536 D		S14	W28			1-	1	1532	1.00	1.10			
SAC PEAK	27	1534	1616	1550	S16	W40			1-	2		.68	.76		19	
WENDEL	27	1537 E	1605 D		S09	W36	6351	28 D	1				3.00			
SAC PEAK	27	1550	1808	1628	S07	W41			1-	2		.93	1.05		18	
WENDEL	27	1555 E	1637 D		S16	W39	6351	42 D	1				3.00			
LOCKHEED	27	1645 E	1653	1645 E	S13	W31			1-	1	1645	.30	.30		10	
LOCKHEED	27	1700	1730	1707	S09	W29			1-	1	1707	.20	.20		10	

SOLAR FLARES

FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
SAC PEAK	27	1710	1756	1726	S15	W32	6351	46	1	2		4.33	4.54		21	
LOCKHEED	27	1715	1750	1717	S13	W31			1-	2	1717	1.40	1.50		20	
LOCKHEED	27	1715	1750	1725	S13	W31			1-							
LOCKHEED	27	1715	1750	1735	S13	W31			1-							
MCMATH	27	1717 E	1723 D	1720	S14	W30	6351		1-	1	1722	.60	.70			
LOCKHEED	27	1731	1740	1734	S10	W20			1-	2	1734	.40	.40		10	
LOCKHEED	27	1746	1753	1749	S12	W31			1-	2	1749	.30	.30		20	
LOCKHEED	27	1807	1820	1810	S09	W36			1-	2	1810	.40	.40		10	
LOCKHEED	27	1824	1836	1828	S09	W36			1-	2	1828	.60	.60		20	
SAC PEAK	27	1826	1836	1830	S10	W36			1-	2		.76	.78		19	
LOCKHEED	27	1835	1848	1839	N15	W21			1-	2	1839	.50	.50		10	
LOCKHEED	27	1854	1918	1905	S13	W32			1-	2	1905	.40	.40		10	
LOCKHEED	27	1949	1959	1952	S12	W29			1-	1	1952	.30	.30		10	
LOCKHEED	27	1959	2045	2037	S13	W33			1-							
LOCKHEED	27	1959	2045	2002	S13	W33			1-	2	2037	.60	.60		20	
LOCKHEED	27	1959	2045	2020	S13	W33			1-							
LOCKHEED	27	2050	2120	2055	S12	W29	6351	30	1	2	2055	2.60	2.70		20	
SAC PEAK	27	2059 E	2120 U	2059 U	S13	W27	6351	21 D	1	2		2.74	2.83		21	
LOCKHEED	27	2119	2158	2125	S13	W34			1-	2	2137	1.40	1.50		20	
LOCKHEED	27	2119	2158	2137	S13	W34			1-							
SAC PEAK	27	2134 E	2136 D	2136 U	S15	W33			1-	2		1.24	1.30		20	
LOCKHEED	27	2200	2217	2202	S08	W38			1-	2	2202	1.00	1.10		30	
SAC PEAK	27	2202 E	2202 D	2202 U	S09	W38			1-	1		1.59	1.73		22	
LOCKHEED	27	2300 E	2315	2301	S12	W34			1-	2	2301	1.50	1.60		20	
LOCKHEED	27	2358	0015	0002	S12	W35			1-	2	0002	.40	.40		20	
LOCKHEED	28	0015	0032	0021	S12	W30			1-	2	0021	.40	.40		10	
LOCKHEED	28	0026	0040	0031	S13	W35			1-	2	0031	.50	.50		10	
LOCKHEED	28	0027	0050	0031	S10	W28			1-	2	0031	.50	.50		20	
KODAIKANL	28	0650 E	0713 D	0655	S14	W33	6351	23 D	2	2	0655	2.91	3.55	2.24	135	S-SWF
WENDEL	28	0654 E	0730		S13	W39	6351	36 D	2				8.00			
CAPRI S	28	0822 E	0830 D		S11	W37			1-	2	0824	.80	1.00			
WENDEL	28	0906 E	0912 D		S09	W38			1-							
WENDEL	28	1105 E	1112 D		S09	W40			1-							
WENDEL	28	1141 E	1152 D		S10	W32			1-							
WENDEL	28	1148	1226		S13	W37	6351	38	2				8.00			
CAPRI S	28	1152 E	1206 D		S11	W33	6351	14 D	1	1	1157	2.10	2.50			
SALTSJOBADN	28	1154	1213 D		S13	W32	6351	19 D	1	2	1154	3.50	4.20			
WENDEL	28	1211 E	1213 D		S12	W35			1-							
WENDEL	28	1228 E	1302 D		S12	W39			1-							
LOCKHEED	28	1714	1735	1725	S08	W26			1-	1	1725	.40	.40		10	
LOCKHEED	28	1741	1756	1748	S08	W26			1-	1	1748	.30	.30		20	
LOCKHEED	28	1806	1915	1810	S15	W45	6351	69	1	2	1810	2.10	2.50		20	
SAC PEAK	28	1806	1930	1812	S15	W44	6351	84	1	3		3.75	4.35		26	G-SWF
MCMATH	28	1807	1900 D	1814	S14	W43	6351	53 D	1	1	1814	1.50	2.00			

SOLAR FLARES

FEBRUARY 1962

OBSERVATORY	DATE FEB. 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
LOCKHEED	28	1934	2028	1941	S15	W44	6351	54	1	2	1941	2.50	2.90		20	
SAC PEAK	28	1936	2032	1940	S15	W41	6351	56	1	3		3.82	4.31		23	
SAC PEAK	28	2012	2016	2014	S16	W41			1-	3		.58	.66		17	
SAC PEAK	28	2202	2242	2214	S07	W28			1-	3		1.69	1.73		22	
LOCKHEED	28	2206	2228	2215	S08	W28			1-	2	2215	1.10	1.10		10	
LOCKHEED	28	2339	0004	2345	N09	E39			1-	2	2345	.50	.60		10	

COMMERCE - STANDARDS - BOULDER

Note: Beginning with this issue of the CRPL-F Part B both flares and subflares have been listed chronologically in the above table. No separate listing of subflares will be made hereafter. Rather than just selected information all available data on the subflares are published. Normally McMath plage region designations and durations will not be computed for the subflare entries which will tend to set them apart from the flare entries.

ATHENES	ATHENS, GREECE
BAKOU	PIRCULI, USSR
CAPETOWN	ROYAL OBSERVATORY, CAPE OF GOOD HOPE
CAPRI F	CAPRI, ITALY (GERMAN)
CAPRI S	CAPRI, ITALY (SWEDISH)
CRIMÉE	SIMEIZ, USSR
HERSTMONCEU	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX, ENGLAND
HONOLULU	HAWAII, USA
IKOMASAN	KYOTO, JAPAN
KIEV KO	KIEV GAO, USSR
KIEV KY	KIEV UNIVERSITY, USSR
LOCKHEED	LOS ANGELES, CALIF., USA
MCMATH	MCMATH-HULBERT PONTIAC, MICH., USA
MOSCOU	MOSCOW-GAISH, USSR
NERA	NEDERHORST den BERGH, NETHERLANDS
NIZMIR	KRASNAYA PAKHRA, USSR
SAC PEAK	SACRAMENTO PEAK, N.MEX. USA
SALTSJÖBADEN	STOCKHOLM, SWEDEN
SCHAUINS	SCHAUINSLAND, GFR
TACHKENT	TASHKENT, USSR
WENDEL	WENDELSTEIN, GFR

ALL VALUES IN THE MAXIMUM INTENSITY COLUMN FOR SAC PEAK ARE ARBITRARY UNITS (0-40) AND FOR LOCKHEED ARE ARBITRARY UNITS (10-40), NOT PERCENT OF CONTINUOUS SPECTRUM.

SEE DESCRIPTIVE TEXT PUBLISHED NOVEMBER 1961 FOR DEFINITION OF CORRECTED AREA VALUES LISTED FOR CLIMAX, HAWAII, LOCKHEED AND SACRAMENTO PEAK.

E = LESS THAN D = GREATER THAN U = APPROXIMATE □ = NOT REPORTED.

SOLAR FLARES
FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
VOROSHILOV	01	0205	0209	0207	N09	W35			1-	2		.18			89	
VOROSHILOV	01	0246	0250	0246	N09	W35			1-	2		.44			66	
NIZMIR	01	0901	0940	0907	N08	E33	6334	39	1			3.16			65	
NIZMIR	01	0922	1034	0936	N11	E38			1-			1.34			70	
CAPRI F	01	0920 E	1110 D	1019	N10	W38	6326	110 D	2	1	1019	9.00				
UCCLE	01	1345	1407 D	1347	N08	W45			1-	2	1347					
CLIMAX	01	1549 E	1730	1659	N09	W41	6326	101 D	1			2.10	2.30			S-SWF
CLIMAX	01	1817	1830	1820	N10	W41			1-			.60	.70			
CLIMAX	01	2334	2340	2337	N10	W24			1-			.30	.40			
	02	0600	0615	NO FLARE	PATROL											
CAPETOWN	02	1247	1319 D	1250	N10	W49			1-		1250	.90	1.40			
UCCLE	02	1247	1350 D	1255	N08	W50	6326	63 D	1	2	1255	2.50	3.00			
UCCLE	02	1358	1409		N08	W50			1-	3						
UCCLE	02	1359	1434		N10	W57			1-	3						
UCCLE	02	1414	1417		N07	E36			1-	3						
UCCLE	02	1502	1517		N15	W46			1-	3						
	03	0615	0630	NO FLARE	PATROL											
	03	0645	0800	NO FLARE	PATROL											
CAPETOWN	03	1213	1222	1214	N10	W63			1-		1214	1.10	2.60			
CAPRI F	03	1220 E	1250 D	1233	N11	W66	6326	30 D	2	2	1233	5.00				
CAPETOWN	03	1223	1239 D	1237	N10	W73	6326	16 D	1		1237	.70				
CLIMAX	03	2126	2140	2130	N09	W80	6326	14	1			.90	2.40			
VOROSHILOV	03	2347	2359	2350	N12	W85	6326	12	2	2		1.62			102	
ALMA ATA	04	0536	0554	0538	N11	W88	6326	18	1		0538	.62			59	
ALMA ATA	04	0810	0817	0811	N10	W78	6326	7	1		0811	.62			50	
CAPETOWN	04	1156	1235	1204	N12	W90	6326	39	1		1204	.60				
CAPETOWN	04	1333	1357	1346	N11	W79			1-		1346	.40				
CAPETOWN	04	1355	1417 D	1402	N12	W90	6326	22 D	1		1402	.60				
	04	1430	1445	NO FLARE	PATROL											
CLIMAX	04	1500 E	1526 D	1513	N10	W80			1-			.40	1.10			
CLIMAX	04	1720	1739 D	1732	N10	W80			1-			.40	1.10			
CLIMAX	04	2049	2104	2055	N13	W90	6326	15	2			1.10	5.50			
CAPETOWN	05	0741	0804	0749	N13	W90	6326	23	1		0749	.40				
CAPETOWN	05	1009	1042	1026	N11	W90	6326	33	1		1026	.20				
	06	0530	0630	NO FLARE	PATROL											
CAPETOWN	06	1052	1124	1058	N07	W18			1-		1058	1.80	1.90			
MEUDON	06	1057	1115		N06	W22			1-							
CLIMAX	06	1624	1632	1626	N08	W10			1-			.40	.40			
ALMA ATA	07	0644	0656	0646	N06	W30			1-		0646	.72			57	
	08	2245	2400	NO FLARE	PATROL											
	09	0000	0030	NO FLARE	PATROL											
UCCLE	09	0939	0943		N05	W50			1-	3						
UCCLE	09	1517	1526 D		N05	W65			1-	3						

SOLAR FLARES
FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
	09	2245	2315	NO FLARE	PATROL											
	09	2345	2400	NO FLARE	PATROL											
	10	0000	0015	NO FLARE	PATROL											
	10	0115	0145	NO FLARE	PATROL											
ALMA ATA	10	0615	0625	0616	N07	W69	6334	10	1		0616	.80			61	
CAPETOWN	10	0912	0921	0917	N06	W68			1-		0917	.70	2.00			
	10	2215	2330	NO FLARE	PATROL											
CLIMAX	10	2341	2347	2343	N06	W90	6334	6	1			.60	3.00			
UCCLE	11	1031 E	1048		N04	W88			1-	3						
UCCLE	11	1051	1124 D		N04	W88			1-	3						
	11	1400	1500	NO FLARE	PATROL											
CLIMAX	11	1455 E	1512		N16	E90			1-		1456	.40	2.00			
CLIMAX	11	1516	1534	1524	N15	E90	6344	18	1			.80	4.00			
CLIMAX	11	1545	1601	1552	N15	E90	6344	16	1			.70	3.50			
	11	2330	2400	NO FLARE	PATROL											
	12	0000	0015	NO FLARE	PATROL											
	12	1615	1630	NO FLARE	PATROL											
	13	1330	1445	NO FLARE	PATROL											
	13	1500	1515	NO FLARE	PATROL											
	13	1545	1615	NO FLARE	PATROL											
	13	1630	1645	NO FLARE	PATROL											
	13	2300	2315	NO FLARE	PATROL											
UCCLE	14	0852	0857		N15	E70			1-	3						
	14	1645	1700	NO FLARE	PATROL											
	14	1745	1800	NO FLARE	PATROL											
	14	1815	1930	NO FLARE	PATROL											
	14	1945	2100	NO FLARE	PATROL											
	14	2230	2300	NO FLARE	PATROL											
	15	2245	2400	NO FLARE	PATROL											
	16	2200	2400	NO FLARE	PATROL											
	17	0000	0030	NO FLARE	PATROL											
	17	0800	0815	NO FLARE	PATROL											
	17	0830	0845	NO FLARE	PATROL											
UCCLE	17	0956	1003		S10	E70			1-	3						
	17	1015	1045	NO FLARE	PATROL											
	17	1200	1315	NO FLARE	PATROL											
	18	0730	0745	NO FLARE	PATROL											
	18	0845	0900	NO FLARE	PATROL											
	18	1015	1030	NO FLARE	PATROL											
	18	1145	1415	NO FLARE	PATROL											
	19	0545	0700	NO FLARE	PATROL											

SOLAR FLARES

FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
CAPRI F	19	0912 E	0917	0912	N13	E81	6352	5 D	1	2	0913	1.00				
CAPRI F	19	0912 E	0919	0912	S08	E76	6351	7 D	1	2	0913	2.00				
CAPETOWN	19	1146	1157	1147	S09	E85	6351	11	1		1147	.60				
CAPETOWN	19	1222	1316 D		N12	E82	6352	54 D	1		1316	1.60				
CAPRI F	19	1245 E	1505 D	1245	S08	E78	6351	140 D	2	2	1246	5.00				Slow S-SWF
CLIMAX	19	1811	1825	1819	N10	E90	6352	14	2			1.20	6.00			
ALMA ATA	20	0548	0619	0556	S09	E82	6351	31	2		0556	2.06			82	S-SWF
TACHKENT	20	0548	0624	0600	S11	E80	6351	36	2	2	0600	6.11	6.10	3.50	105	
	20	2245	2300	NO FLARE	PATROL											
	20	2315	2400	NO FLARE	PATROL											
CAPETOWN	21	0759	0812	0800	S09	E59			1-		0800	.90	1.80			
CAPETOWN	21	0815	0850	0821	S09	E59	6351	35	1		0821	1.70	3.40			
CAPETOWN	21	0916	0926	0917	S09	E59	6351	10	1		0917	1.10	2.20			
UCCLE	21	1030	1037		S11	E57			1-	3		1.20	2.30			
UCCLE	21	1122	1124		S10	E23			1-	3						
UCCLE	21	1141	1150		S11	E57			1-	3						
UCCLE	21	1211	1226	1219	S11	E57			1-	3	1219					
UCCLE	21	1233	1238		S11	E57			1-	3		.80	1.50			
UCCLE	21	1244	1248		S10	E53			1-	3						
UCCLE	21	1323	1326		S10	E54	6351	3	1	3		1.60	2.30			
UCCLE	21	1329	1332		S10	E54			1-	3						
UCCLE	21	1335	1344		S10	E54			1-	3						
UCCLE	21	1426	1433	1430	S10	E53	6351	7	1	3	1430	.20	3.20			
UCCLE	21	1444	1501 D		S15	E19			1-	3						
UCCLE	21	1444	1503		N08	E65			1-	3						
UCCLE	21	1448	1456		S10	E53			1-	3						
UCCLE	21	1502	1505		S10	E53			1-	3						
UCCLE	21	1506	1513		S10	E53			1-	3						
UCCLE	21	1528	1538	1534	N10	E63			1-	3						
UCCLE	21	1531	1533 D	1533	S15	E58			1-	3	1533					
UCCLE	21	1549	1553		S10	E53			1-	3						
UCCLE	21	1610	1623 D		N14	E60			1-	3						
	21	2300	2400	NO FLARE	PATROL											
	22	0545	0600	NO FLARE	PATROL											
	22	0615	0630	NO FLARE	PATROL											
	22	0645	0715	NO FLARE	PATROL											
UCCLE	22	0836	0843		N17	E88			1-	3						
UCCLE	22	0851	0902	0854	N17	E88			1-	3	0854					
UCCLE	22	0851	0901	0853	N12	E53	6352	10	1	3	0853	2.50	4.00			
CAPETOWN	22	0852	0910	0854	N14	E52	6352	18	1		0854	1.20	2.20			
BAKOU	22	0858	0911	0903	N15	E50	6352	13	1+	2	0903	4.11	7.25		61	
UCCLE	22	0911	1021		N17	E88			1-	3						
UCCLE	22	0947	1010 D	0952	N17	E88	6353	23 D	1	3		2.50	3.00			
UCCLE	22	0947	1010 D	0959	N17	E88			1							
BAKOU	22	0950 E	1035	1003	S09	E47	6351	45 D	1+	2	1003	7.75	11.40		66	
CAPETOWN	22	0952	1045	1006	S09	E43	6351	53	1		1006	2.10	2.90			
	22	1400	1545	NO FLARE	PATROL											
	22	1600	1615	NO FLARE	PATROL											

SOLAR FLARES
FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
CLIMAX	22	1740 E	1751 D		S06	E40	6351	11 D	1		1751	3.10	3.40			
CLIMAX	22	1938	1952	1941	S06	E38			1-			1.10	1.20			
CLIMAX	22	2012	2035	2017	S06	E38			1-			1.30	1.40			
CLIMAX	22	2033	2035 D		N10	E42			1-		2035	.20	.20			
CLIMAX	22	2200	2204 D	2204	N15	E45			1-			.30	.30			
ALMA ATA	23	0446	0448	0446	S09	E33			1-		0446	.61			63	
	23	0615	0645	NO FLARE	PATROL											
UCCLE	23	0939	0951		S12	E35			1-	3						
UCCLE	23	1219	1223		N13	E33			1-	3						
UCCLE	23	1300	1304		S12	E28			1-	3						
	23	1315	1345	NO FLARE	PATROL											
UCCLE	23	1351	1355		N13	E36			1-	3						
UCCLE	23	1353	1415		N10	E38			1-	3						
UCCLE	23	1416	1419		N12	E30			1-	3						
UCCLE	23	1429	1432		N10	E38			1-	3						
UCCLE	23	1521	1533		S12	E30			1-	3						
UCCLE	23	1521	1543		N13	E34			1-	3						
UCCLE	23	1539	1551		S12	E36			1-	3						
UCCLE	23	1539	1554	1541	N10	E33			1-	3						
UCCLE	23	1556	1610 D		S12	E32			1-	3						
	23	2300	2345	NO FLARE	PATROL											
	24	0045	0130	NO FLARE	PATROL											
	24	0615	0630	NO FLARE	PATROL											
ALMA ATA	24	0720	0730 D	0724	S12	E22			1-		0724	.51			61	
CAPRI F	24	0742 E	0746 D		S10	E19	6351	4 D	1	1	0742		4.00			
UCCLE	24	0852 E	1027		S12	E19			1-	3						
UCCLE	24	1031	1056	1046	S12	E19			1-	3	1046					
	24	1530	1545	NO FLARE	PATROL											
CLIMAX	24	1620	1635	1625	S13	E10			1-			.70	.70			
CLIMAX	24	1944	1952 D	1947	N20	E44			1-			.40	.40			
	24	2300	2315	NO FLARE	PATROL											
ALMA ATA	25	0453	0503	0454	S09	E06			1-		0454	.80			61	
	25	2300	2315	NO FLARE	PATROL											
ALMA ATA	26	0411	0412	0412	S12	E02			1-		0412	.61			66	
UCCLE	26	1403	1405		S11	W14			1-	3						
	26	1445	1500	NO FLARE	PATROL											
	26	2100	2115	NO FLARE	PATROL											
	26	2300	2345	NO FLARE	PATROL											
UCCLE	27	0933	0953		N06	E60			1-	3						
UCCLE	27	1009	1026	1019	S12	W25			1-	3	1019	1.00	1.50			
ALMA ATA	27	1012	1015	1014	S15	W27			1-		1014	1.01			68	
ALMA ATA	27	1018	1026	1022	S15	W27			1-		1022	1.41			74	
UCCLE	27	1136	1145		S14	W27			1-	3						
UCCLE	27	1200	1205		S18	W12			1-	3						
UCCLE	27	1223	1233		S14	W27			1-	3						
UCCLE	27	1259	1309		S14	W32			1-	3						

SOLAR FLARES
FEBRUARY 1962

OBSERVATORY	DATE FEB 1962	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. %	PROVISIONAL IONOSPHERIC EFFECT
UCCLE	27	1312	1322		S11	W17			1-	3						
UCCLE	27	1334	1344		S11	W17			1-	3						
UCCLE	27	1358	1402		S11	W17			1-	3						
UCCLE	27	1401	1408	1403	S14	W30			1-	3	1403	2.00	2.40			
UCCLE	27	1410	1414	1412	S11	W17			1-	3	1412					
UCCLE	27	1421	1428		S09	W31			1-	3						
	27	2215	2245	NO FLARE	PATROL											
TACHKENT	28	0503	0532		S15	W39	6351	29	1	3		1.92	2.40	1.60	50	
ALMA ATA	28	0648	0710 D	0654	S13	W38	6351	22 D	2		0654	2.01			84	
TACHKENT	28	0648	0732	0650	S15	W39	6351	44	2	3	0650	4.37	5.60	2.80	85	S-SWF
CAPETOWN	28	0648	0735	0654	S12	W38	6351	47	2		0654	6.40	8.20			
UCCLE	28	1030	1033	1032	S11	W36			1-	3	1032					
UCCLE	28	1031	1033	1032	S13	W44			1-	3	1032					
UCCLE	28	1039	1044	1042	S14	W44			1-	3	1042					
UCCLE	28	1103	1108	1106	S11	W36			1-	3	1106					
CAPETOWN	28	1149	1219	1155	S13	W37	6351	30	2		1155	4.30	5.40			
UCCLE	28	1149	1221	1155	S13	W40	6351	32	1	3	1155	3.50	4.20			
CAPRI F	28	1155 E	1200 D		S11	W36	6351	5 D	2	1	1158	4.00	6.00			
UCCLE	28	1224	1301		S12	W42			1-	3						
UCCLE	28	1358	1343	1340	S12	W40			1-	3	1340					
CLIMAX	28	1807 E	1850 D	1810	S13	W43			1-			1.20	1.30			

COMMERCE - STANDARDS - BOULDER

These flare reports are addenda to the February 1962 flares published in CRPL-F 211 March 1962.

ATHENES	ATHENS, GREECE
BAKOU	PIRCULI, USSR
CAPETOWN	ROYAL OBSERVATORY, CAPE OF GOOD HOPE
CAPRI F	CAPRI, ITALY (GERMAN)
CAPRI S	CAPRI, ITALY (SWEDISH)
CRIMÉE	SIMEIZ, USSR
HERSTMONCEU	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX, ENGLAND
HONOLULU	HAWAII, USA
IKOMASAN	KYOTO, JAPAN
KIEV KO	KIEV GAO, USSR
KIEV KY	KIEV UNIVERSITY, USSR
LOCKHEED	LOS ANGELES, CALIF., USA
MCMATH	MCMATH-HULBERT PONTIAC, MICH., USA
MOSCOU	MOSCOW-GAISH, USSR
NERA	NEDERHORST den BERGH, NETHERLANDS
NIZMIR	KRASNAYA PAKHRA, USSR
SAC PEAK	SACRAMENTO PEAK, N.MEX. USA
SALTSJÖBADEN	STOCKHOLM, SWEDEN
SCHAUINS	SCHAUINSLAND, GFR
TACHKENT	TASHKENT, USSR
WENDEL	WENDELSTEIN, GFR

ALL VALUES IN THE MAXIMUM INTENSITY COLUMN FOR SAC PEAK ARE ARBITRARY UNITS (0-40) AND FOR LOCKHEED ARE ARBITRARY UNITS (10-40), NOT PERCENT OF CONTINUOUS SPECTRUM.

SEE DESCRIPTIVE TEXT PUBLISHED NOVEMBER 1961 FOR DEFINITION OF CORRECTED AREA VALUES LISTED FOR CLIMAX, HAWAII, LOCKHEED AND SACRAMENTO PEAK.

E = LESS THAN D = GREATER THAN U = APPROXIMATE □ = NOT REPORTED.