SOLAR FLARES

JANUARY 1962

OBSERVATORY	DATE JAN 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
KODAIKANL	03	0313 E	0320 D	0316	N12	W75	6302	7 D	1	2	0316	.60	2.10	1.84	122	
KODAIKANL	03	0335 E	0349 D	0340	N12	W75	6302	14 D	1+	2	0340	1.10	4.20	2.00	135	
LOCKHEED	11	1715	1749	1726	N17	E90	6319	34	1	2	1726	.40	2.00		20	
LOCKHEED	11	1809	1833	1819	N17	E90	6319	24	1	2	1819	.40	2.00		10	
LOCKHEED	11	1845	1900	1853	N17	E90	6319	15	1	1	1853	.40	2.00		20	
LOCKHEED	13	1616	1629	1620	N13	E90	6319	13	1	1	1620	.80	4.00		20	
LOCKHEED	13	1919	1929	1923	N13	E90	6319	10	1	1	1923	.40	2.00		20	
ONDREJOV	16	0928 E	0956 D		N14	E36	6319	28 D	1+	3	0929			3.10		
MEUDON	16	0951 E	1000 D		N16	E35	6319	9 D	1							
LOCKHEED	17	1645 E	1723	1700	N06	E90	6324	38 D	1	2	1700	.40	2.00		10	
LOCKHEED	17	2009	2029	2019	N06	E90	6324	20	1	2	2019	.40	2.00		10	
LOCKHEED	18	0003	0027	0015	N05	E90	6324	24	1	2	0015	.80	4.00		10	
WENDEL	18	1408 E	1420 D		N06	E70	6324	12 D	1				3.00			
LOCKHEED	18	1645 E	1815	1700	N05	E72	6324	90 D	1	1	1700	1.50	3.00		10	
LOCKHEED	18	1645 E	1815	1745	N05	E72										
KODAIKANL	20	0649 E	0652 D	0650	N07	E50	6324	3 D	1	2	0650	1.10	2.10	1.20	122	
UCCLE	23	0907	0926		N20	W46	6319	19	1	3		3.00	3.60			
KODAIKANL	24	0446 E	0459 D	0455	N20	E07	6325	13 D	1	2	0455	2.60	2.70	1.64	122	
LOCKHEED	25	2304	2350	2317	N11	E51	6326	46	1	2	2317	1.50	2.00		20	
SAC PEAK	27	2204	2230	2212	S08	E60	6330	26	1	3		2.31	3.47		22	
LOCKHEED	27	2206	2221	2211	S07	E60	6330	15	1	2	2211	1.50	2.20		20	
SAC PEAK	28	1620 U	1634	1626 U	N04	W50	6324	14 U	1	3		1.88	2.39		17	
SAC PEAK	28	1920 U	1945 U	1936 U	N10	E08	6326	25 U	1	3		2.37	2.37		20	
SAC PEAK	28	2136	2156 U	2140	N10	E12	6326	20 U	1	3		3.30	3.30		22	
LOCKHEED	28	2137	2211	2145	N10	E10	6326	34	1	2	2145	2.10	2.10		30	
SAC PEAK	28	2213	2238 U	2218	N10	E10	6326	25 U	1	3		3.03	3.03		20	
UCCLE	29	1518	1550 D	1526	N08	E00	6326	32 D	1+	3	1526	5.50	5.50			
SAC PEAK	29	1520	1608	1528	N10	W01	6326	48	1	3		2.89	2.89		18	
UCCLE	30	0952	1016	0955	N08	W06	6326	24	1	3	0955					
ONDREJOV	31	1132	1153	1144	N11	W24	6326	21	2	3	1144			3.30		
UCCLE	31	1141	1237	1149	N12	W23	6326	56	1	3		3.50	3.80			
WENDEL	31	1142 E	1240 D		N11	W21	6326	58 D	1+				5.00			
MEUDON	31	1145	1315	1147	N10	W20	6326	90	1							
LOCARNO	31	1230 E	1240 D		N10	W21	6326	10 D	1+	2						
WENDEL	31	1437	1450 D		N11	W32	6326	13 D	1				3.00			
SAC PEAK	31	1734	1808	1740	N11	W36	6326	34	1	3		1.88	2.06		18	
SAC PEAK	31	1902	1940	1906	N11	W36	6326	38	1	3		2.02	2.23		29	

COMMERCE - STANDARDS - BOULDER

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

JANUARY 1962

OBSERVATORY	DATE JAN 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
	01	0000	0200	NO FLARE	REPORT											
	02	0030	0145	NO FLARE	REPORT											
CAPETOWN	02	0904	0930	0916	N12	W71			1-		0916	.60	1.80			
CAPETOWN	02	1055	1108	1057	N12	W71	6302	13	1		1057	.70	2.10			
	02	1315	1515	NO FLARE	REPORT											
MITAKA	03	0342 E	0355		N18	W85	6303	13 D	1	1	0345	3.93		5.34		
	04	1500	1515	NO FLARE	REPORT											
	06	1530	1615	NO FLARE	REPORT											
	06	1930	1945	NO FLARE	REPORT											
	07	0545	0615	NO FLARE	REPORT											
	07	1045	1100	NO FLARE	REPORT											
	08	0130	0145	NO FLARE	REPORT											
	09	0145	0200	NO FLARE	REPORT											
	10	0045	0130	NO FLARE	REPORT											
	10	0545	0600	NO FLARE	REPORT											
	12	1315	1345	NO FLARE	REPORT											
	12	1400	1515	NO FLARE	REPORT											
	12	2245	2345	NO FLARE	REPORT											
	13	1330	1500	NO FLARE	REPORT											
MITAKA	13	2333	0014	0001	N04	W66	6310	41	1	1	2356	.98	2.09	2.71	120	
BAKOU	14	0637 E	0656	0647	N16	E78	6319	19 D	1+	2		2.73			57	
	14	1100	1115	NO FLARE	REPORT											
	14	1430	1500	NO FLARE	REPORT											
	15	2245	2315	NO FLARE	REPORT											
NIZAMIAH	16	0340 E	0504 D	0349	N13	W79	6312	84 D	1	2	0349	3.04	14.91	1.56		
CAPETOWN	16	0633 E	0639		N12	W87	6312	6 D	1		0633	1.20				
ARCETRI	16	0810 E			N01	W80			1-	3						
CAPETOWN	16	0829	0843	0832	N12	W87			1		0832	.30				
CAPETOWN	16	0928	0958	0930	N16	E38	6319	30	1		0930	2.60	3.40			
BAKOU	16	0937 E	0950	0940	N15	E35	6319	13 D	1	3	0940	3.98	5.43		60	
BAKOU	16	1000 E	1007	1003	N16	E36	6319	7 D	1	3	1003	1.41	2.01		52	
CLIMAX	16	1554	1607	1558	N20	E23			1-			.40	.40			
	16	2315	2330	NO FLARE	REPORT											
	18	0115	0230	NO FLARE	REPORT											
	18	0245	0430	NO FLARE	REPORT											
TACHKENT	18	0501 E	0800 D	0706	N18	E86			1-	2	0706	.22	1.10	1.60	46	
	18	1200	1215	NO FLARE	REPORT											

SOLAR FLARES

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VOROSHILOV	19	0146	0201	0152	N07	E70			1-	2		.54			80	
ALMA ATA	19	0755	0835	0803	N07	E68	6324	40	1		0803	1.80			59	
VOROSHILOV	20	0122	0136	0129	N07	E56			1-	2		1.07			98	
	20	2245	2400	NO FLARE	REPORT											
BAKOU	21	0857	0915 D	0904	N05	E40	6324	18 D	1+	2	0904	7.07	9.95		56	
	21	2245	2300	NO FLARE	REPORT											
	22	1615	1630	NO FLARE	REPORT											
CLIMAX	22	2027	2040	2028	N05	E18			1-			.70	.70			
	23	0215	0230	NO FLARE	REPORT											
	23	1445	1515	NO FLARE	REPORT											
	23	2100	2115	NO FLARE	REPORT											
	23	2145	2200	NO FLARE	REPORT											
	23	2230	2330	NO FLARE	REPORT											
VOROSHILOV	24	0159	0207 D	0201	N10	E80	6326	8 D	1	2		.80			78	
CLIMAX	24	1608	1614	1610	N18	E65			1-			.30	.50			
CLIMAX	24	1703	1721	1713	N11	E70			1-			.40	.70			
CAPETOWN	25	1327	1338	1328	N21	W11			1-		1328	1.00	1.10			
	25	1530	1615	NO FLARE	REPORT											
	25	1630	1645	NO FLARE	REPORT											
	25	1745	1800	NO FLARE	REPORT											
	25	1915	1930	NO FLARE	REPORT											
ALMA ATA	26	0833	0844	0838	N10	E48	6326	11	1		0838	1.41			54	
ALMA ATA	27	0429	0432	0430	N22	W32			1-		0430	.62			57	
KIEV KO	27	1016 E	1026 D	1018	N23	W37	6325	10 D	1	1	1018	1.55				
CAPETOWN	27	1016	1036	1019	N21	W34			1-		1019	.90	1.20			
CAPRI F	27	1020 E	1039	1022	N19	W35	6325	19 D	1	2	1022	2.00	3.00			
CAPRI F	27	1428 E	1436 D	1430	N12	E24	6326	8 D	1	2	1430	3.00	3.00			
CLIMAX	27	1613	1618	1614	N12	E22			1-			.20	.20			
CAPETOWN	28	1221	1302	1226	N11	E15	6326	41	1		1226	2.10	2.30			
	28	1445	1515	NO FLARE	REPORT											
CLIMAX	28	2048	2140	2102	N05	W53			1-			.50	.70			
CLIMAX	28	2137	2154	2144	N10	E11			1-			.90	.90			
CLIMAX	28	2214	2228 D	2217	N18	E22			1-			.60	.60			
MITAKA	29	0048	0107	0053	N05	W53	6324	19	1	1	0102	1.47	2.50	2.38	107	
MITAKA	29	0255 E	0259	0257	N10	E13	6326	4 D	1	1	0257	1.18	1.26	4.12	120	
VOROSHILOV	29	0256	0259	0258	N10	E12			1-	2		.54			81	
	29	0645	0700	NO FLARE	REPORT											
CLIMAX	29	1655	1707		N06	W67			1-			.20	.30			
MITAKA	30	0043 E	0112	0043	N09	W02	6326	29 D	1	1	0043	2.26	2.35	2.49	149	
MITAKA	30	0415 E	0434	0420	N09	W04	6326	19 D	1	1	0415	1.97	2.05	3.48	107	

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ALMA ATA	30	0415	0435	0417	N10	W03			1-		0417	.80			52	
ALMA ATA	30	0418	0445	0422	N09	W09			1-		0422	.50			53	
CLIMAX	30	1818	1822	1820	N11	W12			1-			.10	.10			
MITAKA	31	0039 E	0044		N09	W15	6326	5 D	1	1	0039	1.77	1.89	2.49	96	
MITAKA	31	0122	0134	0125	N08	W15	6326	12	1	1	0127	.98	1.03	2.09	107	
ALMA ATA	31	0822	0835	0824	N11	W21			1-		0824	.91			55	
CAPETOWN	31	1133	1257	1135	N12	W23	6326	84	1		1148	1.60	1.80			
CAPETOWN	31	1133	1257	1148	N12	W23			1							
KIEV KO	31	1141 E	1202 D	1147	N12	W23	6326	21 D	1+	1	1147	3.09				
CAPRI F	31	1150 E	1240 D	1152	N11	W22	6326	50 D	1	2	1152	3.00	3.00			
CAPETOWN	31	1329	1431	1352	N12	W23	6326	62	1		1352	1.40	1.60			
CAPETOWN	31	1441	1454 D	1443	N13	W32			1-		1443	1.20	1.50			
CAPRI F	31	1447 E	1502 D	1449	N11	W24	6326	15 D	1	2	1449	4.00	5.00			
CLIMAX	31	1533	1551	1539	N11	W30	6326	18	1			2.00	2.20			
CLIMAX	31	1625	1651	1630	N10	W35			1-			.30	.30			
CLIMAX	31	1850	1920	1853	N10	W37			1-			1.30	1.40			

COMMERCE - STANDARDS - BOULDER

These flare reports are addenda to the January 1962 flares published in CRPL-F 210 Part B, February 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

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