SOLAR FLARES

JANUARY 1961

OBSERVATORY	DATE JAN 1961	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
ONDREJOV	01	0945 E	0949		N15	W05	5983	4 D	1	3	0946			2.30		
CAPRI S	01	1240 E	1259 D		N13	W03	5983	19 D	1	2	1244	2.30	2.30			
CAPRI S	02	0839 E	0856 D		N13	W15	5983	17 D	1	1	0840	2.30	2.50			
CAPRI S	02	0939 E	1015 D		N19	E53	5991	36 D	1	1	0940	2.00	3.60			
ARCETRI	02	1035 E	1130 D		N21	E54	5991	55 D	1+	3						
WENDEL	02	1100 E	1352 D		N22	E53	5991	172 D	2				9.00			
AROSA	02	1115	1118		N24	W23	5983	3	1							
LOCKHEED	03	0015	0035 D	0018	N18	W28	5983	20 D	1	2	0018	2.90	3.10		20	
HAWAII	03	0028 E	0056		N20	W27	5983	28 D	1	2	0032	2.20	2.40			
ISTANBUL	03	0735 E	0830 D	0820	N23	E43	5991	55 D	1+							
ISTANBUL	03	0800	0830		N21	W28	5983	30	1							
ISTANBUL	03	0815	0825		N13	W25	5983	10	1							
ARCETRI	03	0830 E	0841 D		N21	E41	5991	11 D	1	3						
LOCARNO	04	1112	1120		N17	W46	5983	8	1	2						
WENDEL	04	1356 E	1413 D		N20	E27	5991	17 D	1				3.00			
LOCKHEED	04	1729 E	1747 U	1729 E	N19	W46	5983	18 D	1	1	1729	2.00	2.50		10	Slow S-SWF
CAPRI S	05	0835	0914 D		N23	E18	5991	39 D	1	2	0902	3.20	3.70			
LOCARNO	05	1110	1120		N16	W57	5983	10	1	3						
LOCARNO	05	1142	1300	1154	N21	E14	5991	78	2−	3	1154		4.00			
UCCLE	05	1152	1215	1203	N22	E15	5991	23	1+	3	1203	5.00	5.00			
UCCLE	05	1152	1332		N22	E15	5991	100	□	3						
LOCARNO	05	1225	1245		N20	W69	5983	20	1	3						
LOCARNO	05	1315	1340		N20	E13	5991	25	1+	3	1320		3.00			
ZURICH	05	1315	1342		N21	E11	5991	27	1	2	1315		4.00			
LOCARNO	05	1345	1415		N20	W57	5983	30	1	3						Slow S-SWF
ZURICH	05	1355 E	1357 D		N18	W57	5983	2 D	1	2	1355		4.00			
LOCKHEED	06	0028	0050 D	0037 U	N24	E07	5991	22 D	1	1	0037	2.60	2.70		20	
HAWAII	06	0040 E	0050	0040	N23	E07	5991	10 D	1	2	0040	2.30	2.30			
ONDREJOV	06	1204	1220	1207	N24	W07	5991	16	1	3	1207			2.60		
CLIMAX	06	1612	1644	1617	S17	W11	5990	32	1		1617	2.20	2.20			
LOCKHEED	06	1858	1910	1901	N20	W75	5983	12	1	2	1901	1.00	2.30		10	
LOCKHEED	06	1858	1910	1904	N20	W75	5983	12	1	2	1901	1.00	2.30		10	
LOCKHEED	06	2114	2140	2119	S16	E90	5997	26	1	2	2119	.90	4.50		10	
HAWAII	06	2116 E	2208 D	2126	S17	E90	5997	52 D	1	2	2126	.70	3.60			
LOCKHEED	07	0036	0050 D	0040	N17	W82	5983	14 D	1	1	0040	.90	2.70		10	
SAC PEAK	07	1755	1800	1757	N22	W90	5983	5	1	1		.43	2.17		17	
LOCKHEED	07	1755	1801	1757	N22	W90	5983	6	1	2	1757	.50	2.50		10	
SAC PEAK	14	1521	1544	1528	N17	E90	6003	23	2	3		2.27	11.34		15	
WENDEL	16	1059 E	1125 D		S09	W38	5998	26 D	1				4.00			
WENDEL	17	1055 E	1122 D		S10	W51	5998	27 D	1				3.00			
WENDEL	18	0805	0835 D		S04	E11	6001	30 D	1+				5.00			

SOLAR FLARES

JANUARY 1961

OBSERVATORY	DATE JAN 1961	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
LOCARNO	26	1245	1250		S03	W50	6005	5	1	2						
LOCARNO	26	1340	1355		N08	E59	6011	15	1	2						
SAC PEAK	26	1849	1904	1852	N19	E54	6013	15	1	3		1.59	2.31		17	
WENDEL	27	0915 E	0935 D		N03	W14	6009	20 D	1				3.00			
WENDEL	27	0957 E	1017 D		N03	W14	6009	20 D	1				3.00			
LOCARNO	27	1104	1123		N16	W00	6011	19	1	2						
WENDEL	27	1104 E	1127 D		N04	W16	6009	23 D	1				3.00			
WENDEL	27	1137 E	1240 D		N04	W16	6009	63 D	1				4.00			
WENDEL	27	1333 E	1415 D		N04	W18	6009	42 D	1				3.00			
WENDEL	27	1421	1435		N07	E44	6013	14	1				4.00			
WENDEL	28	0825 E	0848 D		N10	W07	6011	23 D	1				3.00			
WENDEL	28	0934 E	1036 D		N10	E46	6013	62 D	1				3.00			
LOCKHEED	28	1655	1709	1700	N10	E29	6013	14	1	2	1700	2.00	2.10		30	
ISTANBUL	29	0855 E	0920 D		N07	W37	6009	25 D	□							
WENDEL	29	1235	1310 D		N05	W41	6009	35 D	1+				6.00			
WENDEL	29	1255 E	1311		N10	E19	6013	16 D	1				3.00			
{ WENDEL	29	1451	1502		N10	E16	6013	11	1				3.00			
{ WENDEL	29	1506	1511 D		N10	E16	6013	5 D	1				3.00			
{ CAPRI S	30	1418	1437		N10	E08	6013	19	1	3	1425	2.00	2.10			
{ LOCARNO	30	1420	1435		N10	E05	6013	15	2−	3						
WENDEL	31	1319	1339 D		N06	W08	6013	20 D	1				4.00			
{ LOCARNO	31	1502	1530		N10	W10	6013	28	1+	3						
{ CLIMAX	31	1509	1535	1514	N10	W11	6013	26	1		1514	2.10	2.10			S-SWF
{ UCCLE	31	1512	1514 D	1514	N11	W11	6013	2 D	1	2	1514	3.00	3.00			
{ CLIMAX	31	2131	2155	2137	N10	W14	6013	24	1		2137	2.70	2.70			
{ SAC PEAK	31	2132	2155	2138	N11	W14	6013	23	1	3		2.31	2.29		22	

E = LESS THAN
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CAPRI G	ANACAPRI - GERMAN
CAPRI S	ANACAPRI - SWEDISH
GOOD HOPE	ROYAL OBSERVATORY, CAPE OF GOOD HOPE
KIEV*	KIEV UNIVERSITY
KODAIKNAL	KODAIKANAL
KRASNYA	KRASNAYA PAKHRA
LOCKHEED	LOS ANGELES
MCMATH	MCMATH-HULBERT
MOSCOW-G	MOSCOW - GAISH
R O HERST	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX
SAC PEAK	SACRAMENTO PEAK
SCHAUINS	SCHAUINSLAND
WENDEL	WENDELSTEIN

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 DECEMBER 1960 FOR DEFINITION OF CORR. AREA VALUES LISTED FOR CLIMAX, HAWAII, LOCKHEED AND SAC PEAK.

COMMERCE - STANDARDS - BOULDER

SOLAR FLARES

JANUARY 1961

OBSERVATORY	DATE JAN 1961	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	0121	0212	0140	N09	W40	5977	51	1	2	0134	1.57	2.72	2.27	118	
KYOTO	01	0150 E	0213 D		N13	W03	5983	23 D	2		0150	5.16			120	
VOROSHILOV	01	0151	0205	0160	N16	E00	5983	14	1+	2		2.87			155	
MITAKA	01	0200 E	0217	0202	N15	W01	5983	17 D	1	2	0202	2.95	3.01	2.81	120	
MITAKA	01	0352	0404	0356	N15	W02	5983	12	1+	1	0355	2.95	3.10	4.98	176	
TASHKENT	01	0522	0546	0530	N15	W03	5983	24	1	1	0530	1.55	2.00			
TASHKENT	01	0558	0605	0600	N15	W03	5983	7	1	1	0600	.83	1.00			
TASHKENT	01	0737	0755	0742	N15	W04	5983	18	1	1	0742	2.37	2.00			
VOROSHILOV	02	0058	0106	0059	N16	W16	5983	8	1	3		1.89			78	
MITAKA	02	0116	0123	0119	N22	E61	5991	7	1	2	0116	1.28	2.89	2.17	107	
VOROSHILOV	02	0116	0131	0118	N20	E60	5991	15	1	3		1.53			73	
MITAKA	02	0538	0552	0544	N22	E59	5991	14	1	1	0544	.98	2.21	2.71	107	
KYOTO	02	0552	0602		N16	W17	5983	10	1		0552	3.71			100	
MEUDON	02	0830	0844	0833	N17	W17	5983	14	1							
GOOD HOPE	02	0836	0855	0840	N19	W18	5983	19	1		0840	2.80	3.10			
SIMEIZ	02	0836 E	0855 D	0840 U	N17	W19	5983	19 D	1	1	0840	3.15			87	
GOOD HOPE	02	0913	0928	0914	N22	E58	5991	15	1		0914	1.50	3.00			
GOOD HOPE	02	1137	1209	1139	N22	E58	5991	32	1		1139	1.40	2.80			
KYOTO	03	0025	0043 D		N16	W26	5983	18 D	2		0025	14.44		1.33	100	
MITAKA	03	0224 E	0240	0225	S15	E36	5990	16 D	1	1	0225	1.67	2.10	2.06	115	
VOROSHILOV	04	0058	0112	0110	N19	W42	5983	14	1+	2		3.59			85	
VOROSHILOV	04	0206	0220	0208	N19	W42	5983	14	2	2		4.04			117	S-SWF
KYOTO	05	0130 E	0140 D		N12	W53	5983	10 D	1		0130	1.44			80	
MEUDON	05	0835	0910	0842	N22	E17	5991	35	1							
MEUDON	05	0936	0950	0937	N22	E17	5991	14	1							
MEUDON	05	1143	1210	1146	N20	E15	5991	27	1+							
MEUDON	05	1312	1335	1320	N20	E14	5991	23	1							
VOROSHILOV	06	0032	0050	0036	N24	E05	5991	18	1+	2		2.52			99	
MITAKA	07	0041	0052	0046	N24	W05	5991	11	1	2	0047	1.67	1.75	1.76	120	
KYOTO	07	0150 E	0155 D		N20	W18			1-		0150	1.44			80	
PIRCULI	07	0630 E	0737 D	0728 U	S11	E62	5995	67 D	1	2	0728	2.28	5.29		61	
KYOTO	08	0045 E	0106 D		N13	W90	5983	21 D	2		0048	10.31		5.82	120	
PIRCULI	08	0649 E	0752 D	0705 U	S09	E51	5997	63 D	1	2	0705	1.37	2.19		54	
PIRCULI	09	1050 E	1106 D	1104 U	N22	W42	5991	16 D	1	2	1104	1.19	1.83		50	
ALMA ATA	11	0753	0805 D	0755	S13	E36	5998	12 D	1	2	0755	1.65			56	
MITAKA	16	0222 E	0246		S09	W31	5998	24 D	1	1	0222	2.16	2.50	1.96	134	
PIRCULI	19	0730 E	0747 D	0742 U	S04	E49	6005	17 D	1	1	0742	2.09	3.24		63	
MITAKA	20	0347	0459		N10	E90	6011	72	1	1	0400	3.93		3.75		
TASHKENT	25	0522	0600	0533	N18	E38	6011	38	1	2	0533	5.01	7.00			

SOLAR FLARES

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PIRCULI	25	0825 E	0844 D	0827 U	N09	E80	6013	19 D	1	2	0827	1.19	6.06		54	
PIRCULI	26	1038	1045	1043 U	N10	E60	6013	7	1	2	1043	1.73	3.70		53	
HUANCAYO	27	1739 E	1748	1741	N08	E42	6013	9 D	1	2	1741	2.00	2.70	2.20		
MEUDON	28	1045	1058	1047	N09	E32	6013	13	1							
KIEV	29	1004 E	1012 D	1008	N17	E14	6013	8 D	1	2		1.55			68	
CAPRI G	29	1008 E	1012		N13	E19	6013	4 D	1	2		3.00				
MEUDON	29	1517	1533	1523	N09	E19	6013	16	1							
VOROSHILOV	30	0159	0212	0201	N10	E13	6013	13	1+	2		3.59			88	
SIMEIZ	30	0629	0645	0631	N11	E10	6013	16	1+	3	0631	3.15			129	
GOOD HOPE	30	1424	1440	1425	N12	E05	6013	16	1		1425	2.40	2.50			S-SWF
HUANCAYO	30	2000	2013	2004	N12	E03	6013	13	1	2	2005	2.00	2.10	5.00		
MITAKA	31	0337	0348		N05	W05	6013	11	1	1	0337	1.47	1.58	2.29	120	
PIRCULI	31	0743	0802	0754	N12	W05	6013	19	1	3	0754	2.09	2.26		58	
MEUDON	31	1500	1518	1507	N09	W09	6013	18	1							S-SWF
OTTAWA	31	1511	1531	1513	N11	W11	6013	20	1		1513	2.70	2.70			

COMMERCE - STANDARDS - BOULDER

These flare reports are addenda to the January 1961 flares published in CRPL-F 198 Part B, February 1961

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CAPRI S	ANACAPRI - SWEDISH
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SAC PEAK	SACRAMENTO PEAK
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SEE DESCRIPTIVE TEXT PUBLISHED NOVEMBER 1960 FOR DEFINITION OF CORRECTED AREA VALUES LISTED FOR CLIMAX, HAWAII, LOCKHEED AND SAC PEAK.