SOLAR FLARES

APRIL 1961

OBSERVATORY	DATE APR 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
WENDEL	01	0816 E	0827 D		S12	W12	6069	11 D	1				3.00			
WENDEL	01	1116 E	1150 D		S12	W13	6069	34 D	1+				6.00			
STOCKHOLM	01	1119 E	1143 D		S10	W12	6069	24 D	1	3	1122	2.00	2.10			
WENDEL	03	1711	1725 D		S11	W42	6069	14 D	1+				6.00			
WENDEL	04	0743 E	0755 D		N12	E27	6077	12 D	1				3.00			
WENDEL	04	1349	1400		N13	E23	6077	11	1				3.00			
SAC PEAK	04	1400 E	1413	1400 U	S11	W54	6069	13 D	1	3		1.90	2.48		23	
WENDEL	04	1400	1416		S13	W50	6069	16	1				3.00			
WENDEL	04	1414	1438		N13	E23	6077	24	1				4.00			
SAC PEAK	04	1648	1726	1705	S08	W26	6074	38	1	3		2.06	2.08		22	
LOCKHEED	04	2233	2306	2240	N14	E17	6077	33	1	2	2240	2.00	2.00		30	
WENDEL	05	0717	0735		N13	E15	6077	18	1				3.00			
ONDREJOV	05	0829 E	0850		N13	E14	6077	21 D	1	3	0830			2.40		
WENDEL	05	0830	0909	0841	N13	E13	6077	39	1+				7.00			
SCHAUINS	05	0840 E	0850		N12	E12	6077	10 D	1	2		2.00	2.00	2.50		
WENDEL	05	1117	1230		N13	E10	6077	73	1+				6.00			
ONDREJOV	05	1222	1242		N13	E08	6077	20	1	3	1225			2.30		
HUANCAYO	05	1335	1435	1353	N13	E18	6077	60	1	2	1353	2.00	2.20	3.30		
WENDEL	05	1341	1423	1349	N13	E11	6077	42	1+				5.00			
WENDEL	05	1555	1647	1629	N13	E08	6077	52	1+				5.00			
HUANCAYO	05	1556	1635	1600	N12	E19	6077	39	1	2	1600	1.40	1.50	2.30		S-SWF
HUANCAYO	05	1556	1635	1625	N12	E19	6077	39	1	2	1625	2.30	2.50	3.00		
SAC PEAK	05	2051	2149	2059	N12	E03	6077	58	1	1		2.17	2.17		26	
ONDREJOV	06	0716	0726		N14	W07	6077	10	1+	3	0719			4.40		
WENDEL	06	0716	0726		N14	W08	6077	10	1				4.00			
WENDEL	06	0915 E	0945		N13	E01	6077	30 D	1				3.00			
WENDEL	06	1114	1135		N13	W01	6077	21	1				4.00			
WENDEL	06	1318 E	1405		N13	W04	6077	47 D	2				10.00			
HUANCAYO	06	1350	1359	1355	N13	W04	6077	9	1	2	1355	2.30	2.40	2.40		
WENDEL	06	1423	1440		N14	W04	6077	17	1				3.00			
SAC PEAK	06	2131	2223	2140	N13	W09	6077	52	1	2		4.39	4.39		26	
HUANCAYO	06	2144 E	2153 D	2144	N13	W08	6077	9 D	1	1	2144	4.40	4.60	2.40		
ONDREJOV	07	1001 E	1024		N14	W16	6077	23 D	1+	3	1002			2.50		
ONDREJOV	08	1034 E	1051		N14	W26	6077	17 D	1	1	1039			1.07		
MEUDON	08	1050	1130		N05	E35	6080	40	1							
SAC PEAK	09	1356	1417	1402	S09	W90	6074	21	1	3		.72	3.61		17	
SAC PEAK	09	1502	1510	1508	S09	W90	6074	8	1	3		.97	4.89		20	
WENDEL	09	1532	1541		N13	W41	6077	9	1				3.00			
WENDEL	10	0833	0859		N13	W57	6077	26	1+				5.00			
ONDREJOV	13	0605 E	0615		N12	W90	6077	10 D	1+	3	0605			4.00		
LOCKHEED	20	0022	0100	0036	S12	E30	6091	38	1	1	0036	2.00	2.10		10	

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WENDEL	22	0531 E	0553		S14	E02	6091	22 D	1				4.00			
LOCKHEED	23	2017	2032	2025	S12	E90	6098	15	1	2	2025	.50	2.50		10	
LOCKHEED	24	0035	0145	0050	S12	E90	6098	70	1	1	0050	.50	2.50		10	
LOCKHEED	24	0035	0145	0130	S12	E90	6098	70	1	1	0050	.50	2.50		10	
LOCKHEED	24	2228	2300	2233	S07	E75	6098	32	1	2	2233	1.10	2.30		20	
WENDEL	25	1211 E	1235 D		S07	E71	6098	24 D	1				4.00			
LOCKHEED	25	2003	2030	2010	S11	E64	6098	27	1	2	2010	2.00	3.20		10	
SAC PEAK	25	2008	2018	2012	S11	E65	6098	10	1	2		1.32	2.12		17	
LOCKHEED	25	2052	2120	2059	S13	E69	6098	28	1	2	2059	1.90	3.40		20	
SAC PEAK	25	2053	2120	2106	S15	E68	6098	27	1	2		1.32	2.29		16	
LOCKHEED	25	2343	0030	2347	S11	E62	6098	47	1	1	2347	1.80	2.80		10	
LOCKHEED	26	0116	0140 D	0130 U	S06	E61	6098	24 D	1	1	0130	2.20	3.30		20	
STOCKHOLM	26	1037	1240 D		S16	E57	6098	123 D	2	3	1127	3.50	7.00			
STOCKHOLM	26	1247	1334 D		S16	E57	6098	47 D	1	3	1310	1.50	3.00			
SAC PEAK	26	1424	1627 U	1458	S12	E55	6098	123 U	2	3		9.10	12.15		24	Slow S-SWF
ONDREJOV	26	1604 E	1636 D		S11	E56	6098	32 D	1	3	1617			2.10		
SAC PEAK	26	1646	1920 U	1701	S12	E55	6098	154 U	3	3		15.88	21.20		30	Slow S-SWF
LOCKHEED	26	1648	1945	1718	S11	E53	6098	177	2	2	1718	8.10	10.70		30	
HUANCAYO	26	1755 E	1834 D	1758	S10	E52	6091	39 D	2+	1	1758	5.70	9.00	2.50		
HUANCAYO	26	2209	2222	2213	S08	E50	6098	13	1	1	2213	1.60	2.50	2.50		
KYOTO	27	0245 E	0310	0250	S09	E50	6098	25 D	2		0250	16.50			120	G-SWF
STOCKHOLM	27	1224	1240 D		S07	E40	6098	16 D	1	3	1227	3.00	3.90			
KYOTO	28	0220 E	0240 D	0225	S07	E35	6098	20 D	1		0225	3.09			110	
WENDEL	28	0646	0710 D		S09	E35	6098	24 D	1				4.00			
ONDREJOV	28	0649 E	0712		S10	E35	6098	23 D	1+	3	0653			2.20		
CAPRI S	28	1201	1239 D		S05	E30	6098	38 D	1	3	1224	3.00	3.50			
STOCKHOLM	28	1202 E	1230		S04	E25	6098	28 D	1	3	1220	3.50	3.90			
WENDEL	28	1202	1237		S05	E30	6098	35	1+				8.00			
SAC PEAK	28	2250	2324 D	2256	S09	E23	6098	34 D	1	2		2.58	2.58		18	
KYOTO	30	0528	0533 D		S07	E05	6098	5 D	1		0528	2.06		1.42	100	

COMMERCE - STANDARDS - BOULDER

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

SOLAR FLARES

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GOOD HOPE	01	0643 E	0655		S09	W80	6067	12 D	1		0643	.80				
BUCHAREST	01	0852 E	0910 D	0900	S19	E07	6071	18 D	1	2			2.10			
KIEV	01	1126 U	1140	1126	S12	W12	6069	14 U	1+	1	1126	1.75			88	
GOOD HOPE	01	1318	1334	1323	N08	W74	6065	16	1		1323	1.30				
PIRCULI	03	0738	0755	0744	S14	W37	6069	17	1	3	0744	3.10	3.98		61	
BUCHAREST	03	0740 E	0820 D	0743	S13	W37	6069	40 D	1	2			2.80			
BUCHAREST	05	0828 E	0857 D	0837	N13	E12	6077	29 D	1	1			2.90			
SIMEIZ	05	0829 E	0857 D	0840	N14	E13	6077	28 D	1	1	0840	1.34			100	
PIRCULI	05	0832 E	0900 D	0842 U	N14	E13	6077	28 D	1	3	0842	1.55	1.73		58	
KIEV	06	1126 E			N13	W06	6077	□	2	1	1126	4.64			88	
PIRCULI	07	0934 E	0956 D	0946 U	N15	W17	6077	22 D	1	2	0946	2.09	2.39		55	
KIEV	07	1055 E	1140 D	1055	N13	W16	6077	45 D	2	1	1056	3.61			110	
KIEV	08	1036 U	1120	1036	N14	W29	6077	44 U	1	1	1036	1.03			84	
NIZAMIAH	13	0556 E	0620		N26	W90	6077	24 D	3	1	0556	.61	24.70	2.00		
MITAKA	16	0356 E	0400		N03	E16	6087	4 D	1	1	0356			2.12	93	
ABASTUMANI	16	0600	0626 D	0604	N15	E05	6086	26 D	1	3		1.89	2.00		59	
PIRCULI	18	0732 E	0818 D	0802	N15	W22	6086	46 D	1	3	0802	2.28	2.64		50	
NIZAMIAH	20	0245	0253	0248	N15	W48	6086	8	1	2	0248	1.81	2.92	1.60		
PIRCULI	20	0744 E	0841 D	0806	S12	E22	6091	57 D	1	3	0806	1.64	1.80		50	
PIRCULI	20	0744 E	0841 D	0806 U	S14	E28	6091	57 D	1	3	0806	3.47	4.02		50	
PIRCULI	26	0751	0816	0807	S13	E61	6098	25	1	1	0807	1.45	2.99		55	
PIRCULI	26	0910	0950	0925	S12	E62	6098	40	1	1	0925	1.64	3.51		51	
GOOD HOPE	26	1040	1116	1048	S13	E59	6098	36	1		1048	1.50	3.00			
NIZAMIAH	27	0650	0659	0654	S09	E48	6098	9	1	2	0654	1.81	2.71	1.50		
NIZAMIAH	27	0711	0720	0714	S09	E48	6098	9	1	2	0714	1.81	2.71	1.60		
OTTAWA	27	1220	1244	1225	S10	E41	6098	24	1			.70	.77			
MITAKA	28	0219	0233	0223	S07	E31	6098	14	1	2	0221	3.22	3.90	2.62	120	
TASHKENT	28	0224 E	0238	0226	S06	E34	6098	14 D	1	3	0226	1.09	1.30		135	
BUCHAREST	29	0750 E	0802 D	0753	S10	W68	6091	12 D	1	2			3.90			
SIMEIZ	29	0755 U	0805	0755	S10	W72	6091	10 D	1	1	0755	.90			71	
KHARKOV	30	1038 E	1106		S12	E06	6098	28 D	1	2	1040	2.29	2.30	1.60		

COMMERCE - STANDARDS - BOULDER

These flare reports are addenda to the April 1961 flares published in CRPL-F 201 Part B, May 1961.

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