SOLAR FLARES

NOVEMBER 1956

Observatory	Date Nov. 1956	Time Observed Start UT	Time Observed End UT	Duration Min.	Total Area Mill.	McMath Plage Region Number	Approx. Position Lat.	Approx. Position Mer. Dist.	Time Max. Phase UT	Max. Int. Arb.	Rel. Area of Max. Tenths	Importance	Provis. Ionospheric Effect
Capri-S	01	1200	1221	21	122	3739	S21	E29				1	
Capri-S	01	1219	1243	24		3746	S15	E90				1	
S. Peak	01	1905	1940	35	105	3739	S20	E22	1913	18	6	1	
McMath	01	b1910				3746	S14	E80				1	
S. Peak	04	1555	1645	50	100	3746	S15	E36	1605	16	3	1	Slow S-SWF
Capri-S	05	0946	1000	14	185	3751	S15	E57				1	
Capri-S	05	1106	1157	51	262	3749	N36	W48				2	
Capri-S	05	1349	1411	22	102	3751	S18	E55				1	
Capri-S	05	1417	1439	22	112	3746	S15	E25				1	
S. Peak	05	1730	1800	30	200	3751	S16	E54	1735	18	6	1+	Slow S-SWF
S. Peak	05	1825	1930	65	155	3753	N17	E90	1840	18	9	*	G-SWF
McMath	05	1858	1937	39		3753	N20	E90				1?	
Capri-S	06	0907	0947	40	136	3739	S23	W40				1	
Capri-S	06	1000	1018	18		3753	N18	E90				1	
Neder.	06	b1005	1030	>25		3753	N15	E90				2	
Capri-S	06	1140	1235	56	350	3736	N21	W49				2	Slow S-SWF
S. Peak	06	1545	1610	25	155	3739	S24	W51	1556	18	4	1	Slow S-SWF
McMath	06	b1552				3739	S20	W45				1	
S. Peak	06	1715	1725	10	115	3753	N18	E90	1715	18	6	1	S-SWF
S. Peak	06	2140	a2219	>39	100	3739	S23	W53	2150	15	5	1	
Tokyo	06	b2309		>30		3753	N15	E75				1	
Tokyo	07	0108	0128	20		3751	S15	E35				1	
Capri-S	07	0838	0902	24	330	3753	N17	E78				2	
Neder.	07	b0836	0845	> 9		3753	N15	E80				1	
Capri-S	07	0909	1034	85	282	3753	N17	E70				1+	
Capri-S	07	0937	1003	26	146	3751	S13	E28				1	
Kanzel.	07	b0941		> 30		3753	N15	E75				2	
Capri-S	07	1109	1403	174	603	3751	S16	E30				3	S-SWF
Kanzel.	07	b1122		> 50		3751	S15	E35				3	
S. Peak	07	b1415	~2100	405	140	3753	N17	E67		18	8	1	
Tokyo	08	b0613		> 20		3752	S25	E25				2	
Capri-S	08	0954	1026	32	151	3751	S17	E18				1	
Wendel.	08	0950	1013	23	195	3751	S16	E17	0956			1	
Wendel.	08	0950	1010	20	245	3753	N16	E66	0958			1-2	
Capri-S	08	1139	1355	136	160	3751	S17	E17				1+	
Wendel.	08	b1219	1334	> 75	245	3751	S15	E16	1229 1328			1	
Neder.	08	1147	1207	20		3752	S24	E34				1	
Capri-S	08	1150	1218	28		3752	S25	E32				1	
Neder.	08	1315	1336	21		3751	S15	E14				1	Slow S-SWF
S. Peak	08	1445	1550	65	100	3751	S16	E17	1505	16	3	1	
Capri-S	08	1443	1514	31	190	3751	S17	E16				1	
S. Peak	08	1835	1850	15	110	3752	S21	E36	1835	18	8	1	Slow S-SWF
Neder.	09	b0748	0818	>30		3741	N22	W58				2	
Kanzel.	09	b0753	0758	> 5		3741	N25	W55				2	
Capri-S	09	0828	0851	23	107	3748	S17	W14				1	
Capri-S	09	1207	1234	27	112	3747	N28	E05				1	
Capri-S	09	1216	1231	15	165	3753	N16	E44				1	
Wendel.	09	b1219	1229	> 10	290	3753	N19	E49				1	
S. Peak	09	1519	1527	8	100	3753	N19	E46	1520	15	3	1**	Slow S-SWF
Capri-S	10	1118	1135	17	112	3753	N18	E33				1	
McMath	10	1823	1905	42		3741	N24	W75				1	

* Judged by area alone, flare importance = 1, but since there was a large spray with it, the event importance = >1.

** McMath, Capri-S list as importance 1-.

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Observatory	Date Nov. 1956	Time Observed Start UT	Time Observed End UT	Duration Min.	Total Area Mill.	McMath Plage Region Number	Approx. Position Lat.	Approx. Position Mer. Dist.	Time Max. Phase UT	Max. Int. Arb.	Rel. Area of Max. Tenths	Importance	Provis. Ionospheric Effect
S. Peak	10	1915	1940	25	100	3755	S13	E75	1924	30	9	1***	
Wendel.	11	b1001	1013	> 13	145	3746	S14	W64	1005			1	
Capri-S	11	1240	1300	20	112	3751	S21	W34				1	
S. Peak	11	1645	1800	75	120	3746	S14	W66	1700	15	4	1	
S. Peak	11	1725	2035	190	225	3751	S18	W24	1950	12	3	1+	
S. Peak	11	2055	a2219	> 84	245	3753	N16	E15	2210	12	6	1+	G-SWF
Neder.	12	b1114	1118	> 4		3756	N10	E51				1	
S. Peak	12	1505	1600	55	145	3753	N18	E05	1511	20	6	1	
S. Peak	12	1600	1650	50	105	3752	S17	W20	1620	15	6	1	Slow S-SWF
McMath	12	b1845				3746	S15	W90				2	
S. Peak	12	1835	1855	20	40	3746	S12	W90	1840	18	9	1-	Slow S-SWF
Tokyo	13	b0157		> 60		3750	N25	W45				3	Slow S-SWF
S. Peak	13	b1430	1555	> 85	385	3753	N17	W12	1501	25	6	2	Slow S-SWF
McMath	13	1442	1516	34		3753	N15	W07				2	
McMath	13	2000	2012	12		3752	S20	W40				1+	
Tokyo	14	0214	0249	35		3752	S25	W15				1	
Tokyo	14	b0501		> 25		3753	N15	W35				2	S-SWF
Capri-S	14	1137	1427	170	554	3751	S20	W56				2+	
S. Peak	14	1925	1950	25	150		S03	W90	1935	16	6	1	
Tokyo	14	b2325		> 30		3752	S25	W35				1	
Neder.	15	b0815	0830	> 15		3755	S12	E11				1	S-SWF
Neder.	15	b0900	0920	> 20		3757	S24	E10				1	
S. Peak	15	2150	a2220	> 30	305	3751	S26	W66	2156	18	8	2	
S. Peak	16	1435	1505	30	105	3750	N25	W80	1445	16	8	1	S-SWF
S. Peak	16	1605	1620	15	130	3755	S10	W06	1609	14	9	1	
Capri-S	17	1131	1325	114	243	3764	S16	E51				1	Slow S-SWF
S. Peak	17	1844	1901	17	130	3755	S13	W25	1848	18	9	1	
Tokyo	17	0109	0129	20		3752	S15	W75				1	
Tokyo	17	b0257		> 10		3752	S25	W75				1	
Tokyo	17	0401	0411	10		3755	S15	W15				1	Slow S-SWF
Tokyo	17	b0426		> 40		3752	S15	W75				1	
Wendel.	19	b0834	0924	> 50	680	3755	S14	W42	0850			1	
Meudon	19	b0843		>100		3755	S15	W45				2	
Wendel.	19	0925	0950	25	680	3755	S14	W42	0936			1	
S. Peak	19	2135	2210	35	110	3764	S17	E16	2140	14	7	1	
Tokyo	19	b2349		> 30		3755	S15	W65				1	
Capri-S	20	0830	0840	10	204		S22	E56				1+	
Meudon	20	1004		>100		3755	S14	W60				3	
Capri-S	20	1010	1310	180	413	3755	S14	W56				2+	S-SWF
Neder.	20	b1015		>100		3755	S13	W56				2+	
Capri-S	20	1256	1328	32	136		S18	E20				1	
Neder.	21	1030	1036	6		3755	S11	W70				1	
Neder.	21	1052	1058	6		3755	S11	W70				1	
Meudon	21	1140	1150	10		3767	S25	E41				1	
S. Peak	21	1500	1555	55	140	3767	S24	E30	1510	16	3	1	
S. Peak	21	1524	1537	13	102	3755	S10	W79	1530	17	5	1	G-SWF
Wendel.	22	b0907	0932	> 25		3755	S14	W90	0916			1	
Neder.	22	0920	0930	10		3755	S15	W90				1	
S. Peak	22	2000	2115	75	350	3764	S18	W18	2005	18	3	2	
Capri-S	23	1312	1327	15	107	3765	N15	W22				1	
McMath	23	1435	1445	10		3764	S17	W36				1	
Capri-S	26	1219	1352	93	131	3767	S24	W42				1	
S. Peak	26	b1439	1500	> 21	250	3767	S24	W48	1445	15	1	2	
S. Peak	26	1755	a1811	> 16	130	3767	S26	W46	1805	20	4	1	Slow S-SWF
S. Peak	26	2150	a2223	> 33	105	3767	S27	W50	2215	19	3	1	
S. Peak	30	1835	1915	40	325	3779	N26	E13	1850	17	2	2	

***McMath lists as importance 1-.

SOLAR FLARES

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Subflares noted as follows (Date, time (UT), region):

S. Peak: unmarked McMath: ++
Capri-S: + Wendel.: +++

November 01,	1016	(3719)+
	1142	(3729)+
	1156	(3731)+
	1226	(3719)+
	b1420	(3719)
	1425	(3739)
	1515	(3739)
	1550	(3719)
	1820	(3736)
02,	1840	(3729)
03,	1912	(3744)
04,	1430	(3751)
	1435	(3746)
	1920	(3746)
	1945	(3741)
	2035	(3746)
05,	b1420	(3746)
	1535	(3753)
	1540	(3739)
	1600	(3746)
	2210	(3747)
06,	1131	(3753)+
	1135	(3747)+
	1440	(3753)
	1635	(3753)
	1915	(3751)
	2110	(3753)
07,	0759	(3753)+
	1100	(3736)+
	1435	(3751)
	1550	(3752)

November 07,	a1555	(3751)
	1610	(3753)
	1645	(3748)
	1820	(3751)
	1955	(3750)
08,	0728	(3753)+++
	1036	(3741)+++
	1620	(3735)
	1730	(3751)
	1845	(3753)
	1905	(3751)
	2000	(3752)
09,	b1421	(3755)
	1507	(3755)+
	1521	(3739)
	1728	(3741)
	1840	(3753)
	2155	(3755)
10,	1258	(3755)
	1520	(3751)
	1800	(3747)
	b1815	(3741)++
	1938	(3751)
	2030	(3752)
11,	1842	(3750)
	1852	(3751)
	1906	(3750)
	1940	(3750)
12,	1540	(3746)
	1645	(3746)
	1715	(3755)

November 12,	1735	(3748)
	1905	(3755)
	b1959	(3752)
	2030	(3755)
13,	1524	(3755)
	1650	(3751)
14,	1605	(3752)
	1619	(3744)
	b1840	(3764)
	2055	(3750)
15,	1435	(3755)
	1700	(3755)
	1935	(3752)
	2025	(3752)
16,	1730	(3752)
	1825	(3767)
	2015	(3750)
	2130	(3750)
	2145	(3752)
17,	1210	(3755)+
	1430	(3755)
	1500	(3765)
	1505	(3755)
	1520	(3752)
	1535	(3764)
	1620	(3767)
	1715	(3764)
	1810	(3765)
	1819	(3764)
	2005	(3767)
	2055	(3755)

SOLAR FLARES

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Subflares noted as follows (Date, time (UT), region):

S. Peak: unmarked McMath: ++
Capri-S: + Wendel.: +++

November 17,	2058 (3754)	November 20,	2100 (3767)	November 26,	0839 (3767)+
	2059 (3764)		2200 (3764)		1532 (3779)
	2110 (3767)	21,	1550 (3767)		1640 (3767)
	2200 (3767)		1550 (3755)		2200 (3774)
18,	1403 (3755)+++		2050 (3767)	27,	1600 (3767)
	1445 (3754)		2100 (3764)		1620 (3767)++
	1450 (3755)		2145 (3765)		1625 (3780)
	1510 (3755)	22,	0928 (3767)+++		1925 (3767)
	1535 (3764)		b1446 (3767)		2100 (3767)
	1550 (3755)		1640 (3767)	28,	1815 (3767)
	1815 (3755)		1750 (3774)		1850 (3767)
	1825 (3767)		1835 (3767)		1920 (3780)
19,	0733 (3755)+++		2029 (3757)		2125 (3780)
	1445 (3767)	23,	1337 (3764)+		2150 (3767)
	1450 (3755)	24,	1309 (3767)+		2210 (3780)
	1615 (3753)		1635 (3767)		2210 (3779)
	1630 (3767)		1710 (3774)	29,	b1446 (3767)
	1646 (3752)		1845 (3767)		b1446 (3780)
	1705 (3767)		1930 (3767)		1635 (3773)
	1720 (3755)	25,	1315 (3774)+		1750 (3767)
	1730 (3765)		1407 (3767)+		1825 (3774)
	1730 (3767)		1510 (3774)	30,	1525 (3785)
	1930 (3765)		1545 (3774)		1615 (3779)
	1955 (3767)		1550 (3767)		1720 (3777)
	2208 (3767)		1605 (3767)		1810 (3779)
20,	1344 (3764)+		1640 (3764)		2000 (3775)
	1407 (3755)+		1715 (3767)		2010 (3779)
	1505 (3764)		1720 (3774)		2025 (3767)
	1615 (3755)		2030 (3767)		2210 (3774)
	1825 (3767)		2120 (3765)		
	1945 (3764)		2200 (3767)		