

APRIL 2001

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type					Flare (UT)	X-ray Class	NOAA Region	
						SWF	SEA	SPA	LF-SPA	SES				
01	0917	0918	0936	1-	1						1	No flare		
01	1053	1137	1137D	3	5	1	2	1			3	1055	M5.5	
01	1357	1403	1423	2	5		1	1				1354		9393
01	1901	1904	1930	1+	3						2	1900	C9.9	9393
01	1937	1948	2115	3	1						1	1944	M4.0	9393
01	2230	2233	2249	1	1						1	2228	C9.0	9393
01	2249	2256	2332	2	1						1	2247	M1.2	9393
02	0636	0638	0638D	2-	1						1	No flare		
02	0654	0706	0726	2	5	1	1	1			1	0645		9393
02	0801	0806	0816	1+	5	1		1				0801		9393
02	0816	0823	0912	2	5	1		1				No flare		
02	0922	0927	0927D	3	5	1	2	1			1	0919	C8.5	9393
02	0947	0954	0954D	2	5		1	1			1	0945	M1.9	9393
02	1007	1016	1043	3	5		2	1			4	1004	X1.4	9393
02	1054	1131	1239	3	5		2	1			2	1058	X1.1	9393
02	1230	1235	1301	3-	5	1	1	1				No flare		
02	1807	1823	1837D	1+	1						1	1808	M2.1	9393
02	1837	1845	2015	3	1						1	1808	M2.1	9393
02	2137	2151	2225	2	3						2	2132	X20.0	9393
03	0650	0708	0743	2	1		1					0653		9393
03	0918	0938	1018	1	1		1					0917		9397
03	1229	1235	1306	2-	5		1				8	1229	M2.4	9393
03	1645	1648	1658	1-	1						1	1647	C7.1	
03	1737	1744	1805	2	3						3	1735		9401
03	1846	1850	1922	2-	1						1	No flare		
03	2318	2321	2357	2	1						1	2323		9415
04	0641	0650	0720	3-	5						2	0637	C8.7	9393
04	0750	0757	0757D	1	1						1	0750	C3.2	
04	0808	0818	0859	2-	3						2	No flare		
04	0951	1007	1035	2	5	1	1	1			1	0941	M1.6	9415
04	1154	1204	1212	1-	3		1				1	1152	M1.1	9401
04	1214	1219	1237	2	5		2	1			5	1212	M2.0	
04	1230	1234	1300	3+	1						1	1212	M2.0	
04	1617	1622	1700	2	1						1	No flare		
04	2008	2013	2026	1-	1						1	No flare		
05	0423	0425	0445	1	1						1	No flare		
05	0507	0510	0545	2	1						1	0510	M1.1	
05	0705	0710	0730	1	1						1	No flare		
05	0800	0808	0808D	3	5	1	2	1			4	0757	M1.2	9417
05	0844	0854	1009	3	3			1			1	0837	M8.4	9417
05	1637	1701	1745	2+	1						1	1657	M5.1	9415
05	1644	1723	1824	3	1		1					1657	M5.1	9415
06	1911	1917	2005	2	5						5	1910	X5.6	9415
07	0927	0940	0940D	2-	1						1	0915	C2.0	9417
07	1038	1044	1120	1	3		1				1	1034	C2.3	
08	1058	1115	1145	1	1		1					No flare		
08	2031	2055	2230	3	1						1	No flare		
09	0645	0657	0723	1+	1						1	0646	C3.0	9415
09	0841	0843	0843D	1	1						1	No flare		
09	0924	0928	0941	2+	5	1	2	1			2	0920	C6.1	9415
09	1522	1529	1551	3	5	1	2	1			1	1520	M7.9	9415
10	0500	0515	0630	2+	1						1	0506	X2.3	9415
10	0517	0528	0646	2-	3		1				1	0506	X2.3	9415
10	1439	1450	1524	2	5						4	1437	C6.5	9417
10	1444	1500	1529U	2	1						1	1437	C6.5	9417
10	1830	1834	1853D	1	1						1	1815	C2.7	9415
11	0540	0546	0621	1+	1						1	0538	C1.4	
11	0627	0628	0635	1-	1						1	0625	C1.1	

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

APRIL 2001

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type					Flare (UT)	X-ray Class	NOAA Region
						SWF	SEA	SPA	LF-SPA	SES			
11	1300	1315	1353	3	5	1	2	1		7	1256	M2.3	9415
11	1610	1626	1710	2+	1					1	No flare		
11	1852	1855	1922	2-	1					1	1849	C1.6	9424
12	0300	0303	0330	1+	1					1	0256	M1.3	9415
12	0940	0946	0954	1	3					2	0939	X2.0	9415
12	1011	1024	1144	3	5	1	2	1		4	0939	X2.0	9415
12	1405	1415	1432	1+	1					1	No flare		
12	2115	2117	2200	2	1					1	No flare		
13	1137	1200	1237	2	1					2	1155	B5.8	
14	0500	0505	0530	1+	1					1	0459	C1.7	
14	1712	1722	1731	1-	5					2	1715	M1.0	9415
14	1725	1809	1925	3	1					2	1725		9415
15	0404	0407	0430	2	1					1	0404	C2.2	
15	0554	0605	0703	2+	3					2	0553	C3.6	9415
15	0558	0626	0734	2	1			1			0553	C3.6	9415
15	0755	0803	0803D	3	5	1	2	1		3	0750	C6.7	
15	0838	0851	0922	1-	1	1	1			3	0826	C7.7	9415
15	1059	1107	1159	3-	5	1	2	1		3	1056	C5.3	
15	1337	1351	1530	3	5	1	2	1		11	1319	X14.4	9415
16	0621	0628	0639	2	5		2	1		4	0616	M1.1	
16	0700	0707	0727	2+	5		2	1			0656	C3.7	9415
16	1114	1124	1208	1+	3	1	1			1	1110	C2.9	
17	0543	0600	0824	2	1		1				0541	C4.7	
17	1212	1223	1312	1+	5	1	2	1		3	1206	C1.9	
17	1343	1404	1513	2	5		1			2	1344	C2.2	
17	2120	2135	2201	2-	1					2	2118	M1.3	
17	2136	2150	2236	2	1					2	2118	M1.3	
18	0645	0656	0811	1	1		1				No flare		
18	1435	1454	1559	1	1		1				No flare		
19	0954	1012	1129	1	1		1				*		
19	1126	1130	1246	3	5	1	2	1		11	1122	M2.0	
20	0500	0507	0615	2+	1					1	0501	M1.0	9433
20	0515	0534	0622	2	1		1				0501	M1.0	9433
20	1256	1301	1316	2+	5	1	2	1		8	1253	C7.0	
20	1402	1410	1438	2-	1					2	1407	C4.2	
20	1407	1421	1435	1+	1					1	1407	C4.2	
20	1654	1658	1714	1-	3					5	1654	C1.8	
20	1815	1824	1858	2	3					2	1820	C2.2	
20	1910	1916	1946	2-	3					6	1905	C4.0	9433
20	1950	1957	2125	3-	5					7	1951	M4.1	9433
20	2130	2133	2212	2-	5					7	2128	C8.0	
21	0440	0447	0525	3-	1					1	0439	C4.8	
21	1700	1705	1730	1+	5					4	1659	C2.1	
21	1804	1807	1822	1-	5					3	1805	C1.7	9433
21	2204	2206	2231	1+	3					3	2203	C3.3	9433
21	2230	2237	2315	2	1					1	2233	C3.6	9433
22	0516	0521	0551	1+	3					2	0511	C2.8	9433
22	0812	0815	0821	2	5		1	1		3	0809	C3.7	9433
22	1016	1025	1056	2+	5	1		1		2	1011	C4.0	
22	1103	1117U	1220	1	1		1				*		
22	2036	2041	2123	2	5					7	2037	M3.2	9433
22	2110	2111	2126	1-	1					1	No flare		
22	2138	2141	2150	1-	1					1	2133	C1.7	9433
22	2157E	2204	2235D	2	1					1	2144	C3.5	9433
23	0123	0125	0155	1+	1					1	0119	M1.0	9433
23	1012	1018	1045	3	5	1	1	1		2	1006	C9.1	9433

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						SWF	SEA	SPA	LF-SPA	SES			
23	1159	1224U	1306	1	1		1				1206	C2.8	9431
23	2013	2101	2137	2+	3					2	2015	M4.0	9433
23	2340	2342	2355	1-	1					1	2336	C3.2	9433
24	0020	0024	0050	1+	1					1	0015	C5.3	9433
24	0538	0547	0602	3-	5	1	2	1		2	0533	M2.1	9433
24	0657	0701	0726	3	5	1	2	1		2	0653	M3.1	9433
24	1242	1245	1333	3	5	1	2	1		7	1238	M1.6	9433
24	1806	1811	1916	2+	3					6	1804	M2.3	9433
25	0505	0512	0603	2+	3					2	0502	C7.8	9433
25	0752	0832	0921	2+	3		1			1	0802	C5.3	9433
25	0937	0943	1009	2+	5	1	1	1		1	0934	C4.0	9433
25	1145	1148	1208	3	5	1	2	1		7	1140	C6.8	9433
25	1315	1326	1342	1	1		1				No flare		
25	1344	1351	1440	3	5	1	2	1		8	1339	M2.7	9433
25	1452	1521	1535	1	1		1				1439		9433
25	1534	1542	1616	2	5	1	2	1		6	1530	C6.6	9433
25	1824	1830	1855	1+	5					4	1825	C2.4	9433
26	0642	0650	0703	2	5	1		1		1	No flare		
26	1309	1320	1402	3-	5	1	2	1		6	1301		9433
27	0658	0701	0720	2+	5	1		1		2	0654	C2.1	9433
27	1908	1915	2019	2	5					7	1906	M1.2	9433
27	2038	2043	2055	1-	1					1	2037	C1.9	9433
27	2303	2320	2418	2+	1					1	2258	C6.2	9433
28	0656	0659	0725	3-	5		1	1		1	0652	C3.1	9433
28	0815	0817U	0915	1	1		1				No flare		
28	0919	0929	1015	2+	5	1	1	1		2	0911	C7.0	9433
28	2011	2013	2036	1	5					5	2008	C2.8	
29	0826	0828	0845	1-	1					1	0823	C2.1	
29	0912	0936	1028	1	3		1			1	0908	C3.0	
29	1032	1042	1129	1	1		1				No flare		
29	1054	1102	1114	1	1					1	1057	C1.9	
29	1636	1639	1657	1	5					4	1635	C2.0	
29	1743	1745	1808	1	5					4	1742	C2.4	9445
29	1920	1924	1947	1	5					4	1921	C2.7	9445
29	2326	2328	2336	1-	1					1	2323	C3.2	
30	0720	0723	0753	2+	5	1	2	1		1	0717	C5.1	9445
30	0847	0923	1019	1	1		1				No flare		
30	1021	1024	1153	1+	1					1	1019	C3.6	9445
30	1158	1208	1244	1	1		1				1154	C1.6	9433
30	1313	1315	1321	1-	1					1	1312	C1.9	9445
30	1521	1523	1544	1	1					1	1518	C2.5	9445

* = no flare patrol.

OBSERVATORIES REPORTING FOR APRIL 2001

Brookline, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Edenvale, Rep of S. Africa	SES	Parma, Ohio, USA	SES
Houston, Texas, USA	SES	Sofia, Bulgaria	SES
Hudson, Ohio, USA	SES	Sussex, United Kingdom	SES
Isola del Gran Sasso, Italy	SES	Torrington, Connecticut, USA	SES
Koniz, Switzerland	SES	Tucson, Arizona, USA	SES
Marlboro, Massachusetts, USA	SES	Upice, Czech Republic	SEA
Nerja, Spain	SES		

Observations are not necessarily continuous.