MARCH 2001

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type SWF	SEA	SPA	LF-SPA	SES	Flare (UT)	X-ray Class	NOAA Region
01	0856	0930U	1041	1	1		1				No flare		
01	1051	1055	1125	1	1		1				*		
01	1130	1150	1236	1	1		1				No flare		
01	1818	1822	1836	1-	3					2	1814	C1.2	9364
03	1245	1252	1327	1-	5		1			1	1252	B7.7	
03	1315	1318	1355	2	1					1	1252	B7.7	
03	1357	1422	1456	1	1		1				No flare		
04	1146	1159	1242	1	1		1				1153	C1.1	
04	1325	1343	1420	1	1		1				No flare		
04	1847	1850	1910	1	3					4	1845	C1.2	9366
05	0955	1000	1040	2	1					1	0911	C1.6	
06	0907	0915	0941	2	1					1	0906	C1.7	9368
06	1001	1005	1050	2+	1					1	1004	C6.7	
06	1009	1022	1102	2-	3		1			1	1004	C6.7	
06	1224	1229	1255	1	3		1			1	1219	C2.6	9368
06	1711	1714	1734	1	3					5	1709	C2.1	9368
06	1735	1740	1751	1-	1					1	1737	C1.4	
06	1816	1821	1853	1+	3					2	1813	C1.3	
06	2139	2142	2205	1+	3					2	2139	C3.2	9368
07	0832	0841	0914	1+	3		1			2	0832	C2.7	9371
07	1446	1502	1517	2	5		2	1		7	1446	C5.8	9371
07	1814	1818	1852	2-	5					7	1810	C2.9	
07	1905	1910	1958	2+	1					1	1919	C7.3	9368
07	1919	1930	2021	2	3					6	1919	C7.3	9368
07	2104	2106	2119	1-	3					5	2100	C3.9	
08	0855	0858	0926	2-	3					2	0855	C2.9	
08	0950	1005	1050	2+	1					1	0952	C5.5	9370
08	1016	1024	1104	1+	5		1			3	0952	C5.5	9370
08	1116	1121	1135	3	5	1	2	1		4	1113	M5.7	9368
08	1231	1246	1347	1-	5		1			1	1237	C3.7	
08	1513	1519	1612	2	5		1			2	*		
08	1551	1559	1620	1+	3					2	1547	C8.6	
08	1610	1616	1621	1-	3					2	1609	C7.3	
09	0728	0732	0800D	1+	1					1	0729	C3.0	
09	0838	0841	0841D	3	5	1	2	1		3	0837	C6.0	9370
09	0954	1010	1010	1	1		1				1006	M1.0	
09	1009	1013	1111	3	5	1	2	1		3	1006	M1.0	
09	1206	1212	1228	1-	1					1	No flare		
09	1253	1330U	1356	1	1		1				No flare		
09	1422	1432	1506	1	3		1			1	*		
09	1552	1600	1638	2	5					5	1544	C2.9	
09	1654	1700	1717	1	5					5	1653	C2.6	
09	1956	2001	2053	2+	1					1	No flare		
09	2022	2027	2102	2	1					1	2022	C7.8	9372
09	2322	2325	0005	2	1					1	2318	C9.0	9368
10	0400	0403	0445	2	1					1	0400	M6.7	9368
10	0708	0715	0743	1+	1					1	0708	C2.7	9372
10	0946	0950	1015	1+	1					1	0938	C3.1	9372
10	1056	1115U	1206	1	1		1				No flare		
10	1148	1151	1237	1	1					1	No flare		
10	1555	1600	1612	1-	5					3	1548	C1.5	9373
10	1619	1624	1644	2	5		1	1		6	1615	C6.3	
10	1709	1721	1818	2+	5					7	1708	C5.9	
10	1936	1940	1959	1	3					6	1934	C2.5	
11	0540	0543	0600	1	1					1	0537	C1.8	
11	0755	0802	0826	1+	5					2	0757	C1.4	
11	0846	0857	0927	3	5		1	1		2	0843	C5.0	
11	1332	1410	1436	1	1		1				No flare		

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

MARCH 2001

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type SWF	SEA	SPA	LF-SPA	SES	Flare (UT)	X-ray Class	NOAA Region
13	1633	1641	1700	2	1		1				No flare		
14	1245	1312	1410	1	1		1				1310	B5.3	
16	0636	0640	0700	1	1					1	0633	C1.3	
16	1036	1045	1101	3-	5	1	2	1		4	1033	C5.4	9373
16	1548	1555	1614	1-	3					6	1548	C1.7	9384
16	2003	2007	2019	1-	1					1	No flare		
16	2044	2047	2115	1+	3					2	2042	C2.4	
17	1717	1721	1823	2+	5					6	1712	C3.9	9373
18	0520	0525	0545	1	1					1	0516	C1.9	9373
18	0742	0749	0820	2	3					2	0739	C3.4	9373
18	0847	0850	0952	2-	1					1	0845	C3.1	9373
18	1102	1116	1158	1	1					1	1101	C1.8	9373
18	1733	1736	1756	1	3					4	1727	C1.9	9384
19	1845	1847	1900	1-	1					1	1840	C3.4	9373
20	0215	0217	0247	1+	1					1	0206	M1.1	9373
20	0533	0537	0548	1-	1					1	0530	C2.4	
20	1002	1005	1115	2+	1					1	0938	C2.1	
20	1421	1424	1445	2+	5	1	2	1		10	1419	M1.1	9390
20	1501	1508	1523	2	5	1	2	1		10	1457	M1.6	9373
20	2100	2105	2151	2	5					6	2056	M1.5	9373
20	2108	2115	2200	2+	1					1	2056	M1.5	9373
20	2251	2253	2315	1	1					1	2246	C8.8	9390
21	0230	0235	0300	1+	1					1	0228	M1.8	9373
21	0654	0708	0831	2-	3		1			2	0656	C5.6	9389
21	0725	0735	0744	1-	1					1	0656	C5.6	9389
21	1024	1029	1029U	1	1					1	1022	C2.3	
21	1125	1128	1207	2+	5	1	2	1		5	1122	C9.8	9373
22	0512	0515	0600	2+	1					1	0508	M1.0	
22	0711	0721	0810	2	3		1			1	0709	M1.6	
22	0816	0819	0830	3	5	1	2	1		3	0709	M1.6	
22	1232	1253	1316	1	1		1				*		
22	1315	1318	1342	3-	5	1	2	1		10	1312	M1.0	9390
22	1622	1635	1653	2	5	1	2	1		9	1619	C7.8	
22	2257	2301	2330	2	1					1	2253	C5.7	
23	1034	1049	1144	1	1		1				No flare		
23	1206	1219	1340	1	1		1				No flare		
23	1518	1523	1547	1	5					6	1517	C3.4	
23	1522	1531	1550	1+	5		1			1	1517	C3.4	
23	1854	1901	1918	1	3					2	1840	C1.9	
23	2039	2046	2115	2	1					1	2034	C2.1	9390
23	2139	2143	2215	2	1					1	2135	C2.7	
24	0811	0818	0910	2-	3		1			2	0809	C4.6	9389
24	0905	0907	0926	1-	3					2	0903	C4.0	9393
24	1259	1310	1422	3-	3					2	1317	C2.2	
24	1420	1426	1434	2-	5		2	1		8	1420	C5.8	9393
24	1730	1736	1800	1+	5					7	1726	C3.7	
24	1830	1915	1949D	2+	1					1	*		
24	1942	1950	2105	3-	5					4	1935	M1.7	9390
24	1948	1958	2046	2-	3					3	1935	M1.7	9390
25	0415	0420	0515	2+	1					1	0412	M2.5	9393
25	0535	0540	0600	1	1					1	0532	C3.4	9390
25	0659	0713	0738	1	1		1				0657		9393
25	0819	0832	0918	1	1		1				*		
25	1059	1106	1139	3	5	1	2	1		4	1033	M2.6	
25	1517	1524	1557	1	1		1				No flare		
25	1628	1636	1742	2+	5		1			7	1625	C9.0	9402
25	2014	2018	2049	2-	5					7	2009	C9.4	9401
25	2050	2055	2122	1+	1					1	2048	C4.1	9390

* = no flare patrol.

MARCH 2001

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type SWF	SEA	SPA	LF-SPA	SES	Flare (UT)	X-ray Class	NOAA Region
26	0231	0235	0310	1+	1					1	0228	M2.7	9401
26	0802	0814	0845	2	1					1	0758		9393
26	1008	1018	1036	2	5	1	2	1		3	1004	C7.2	
26	1306	1311	1334	1	1					1	1303	M2.2	9393
26	1308	1324	1358	3	5	1	2	1		2	1303	M2.2	9393
26	1406	1417	1527	2+	1					1	1403		9393
26	1602	1605	1622	1	1		1				No flare		
27	0450	0455	0515	1	1					1	0446		9396
27	0755	0759	0818	2	5	1	1	1		2	0752	C6.3	9402
27	0906	0910	0919	1-	1					1	*		
27	0924	0939	1024	1+	1					1	0925		9389
27	1020	1028	1058	1	1		1				*		
27	1218	1227	1234	1+	5	1		1		3	1215	C4.5	9401
27	1445	1453	1544	2-	5					4	1448	C5.6	9393
27	1452	1507	1557	2-	5		1			1	1448	C5.6	9393
27	1628	1631	1643	3	5	1	2	1		8	1625	M2.2	9401
27	1815	1818	1855	2	1					1	No flare		
27	1827	1835	1901	2-	5					5	1826	C4.2	9393
27	1908	1912	1950	2	3					3	1910	C5.6	9390
27	1915	1921	1958	2-	5					3	1910	C5.6	9390
27	2027	2031	2105	2-	5					5	2023	C8.2	9397
27	2115	2116	2130	1-	1					1	2110	C5.3	
28	0631	0638	0638D	2-	5		2	1		2	0630	C5.7	9393
28	0909	0914	0933	1+	3					2	0844	C8.2	9393
28	0911	0928	0945	1	1		1				0844	C8.2	9393
28	0944	0951	1039	3	5	1	2	1		2	0942	M1.3	9393
28	1046	1048	1048D	2+	5	1	1	1		2	1042	C9.9	9397
28	1123	1145	1340	2	5		2	1			1121	M4.3	9393
28	1859	1904	1937	2-	5					2	1858	M1.5	9393
28	2327	2330	2352	1	1					1	2325	M2.2	9393
29	0255	0256	0308	1-	1					1	0244	M2.1	9393
29	0509	0514	0546	2-	3					2	0508	C5.5	9393
29	0956	1012	1109	3	5	1	2	1		4	0957	X1.7	9393
29	1131	1136	1217	2	5		2	1		5	1129	M2.1	9393
29	1237	1246	1257	2-	5	1	2	1		3	1235	C7.6	9393
29	1332	1336	1351	1+	5		1	1			1331		9393
29	1412	1420	1429	3	5	1	2	1		7	1409	M1.6	9393
29	1430	1434	1453	1	5					6	1428	M1.3	
29	1455	1501	1510	2+	5	1	1	1		6	1452	M1.5	9393
29	1521	1528	1547	2-	5		1	1		6	1520	M1.2	9393
29	1609	1615	1622D	1-	1					1	1609	C6.3	9397
29	1735	1737	1803	1	5					5	1733	C5.4	9393
29	1808	1815	1826	1-	3					2	1812	C4.1	9393
29	1829	1838	1913	2	5					5	1826	C7.1	9393
29	2013	2017	2048	2-	5					6	2010	C6.9	9393
29	2052	2100	2133	2-	5					6	2043	M1.2	
30	0512E	0515	0600	2+	1					1	0511	M2.2	9393
30	0642	0644	0657	1-	1					1	0627		9393
30	0917	0925	0944	2	5	1	1	1		2	0916	M1.0	9393
30	1036	1039	1105	3-	5	1	1	1		1	1036	C7.7	
31	0536	0537	0545	1-	1					1	No flare		
31	0703	0714	0714D	2-	5	1	1	1		1	0701	C4.9	9404
31	0813	0823	0858	1	1					1	0824		9393
31	1021	1047	1055	1-	3		1			1	*		
31	1103	1106	1154	3	5	1	2	1		4	1100	M2.1	9393
31	1446	1452	1505	1	5		1			2	1450		9389
31	1550	1557	1618	1+	1					1	1559		9389
31	1745	1820	1930	3	1					1	No flare		

* = no flare patrol.

OBSERVATORIES REPORTING FOR MARCH 2001

Battaiola, Italy	SES	Marlboro, Massachusetts, USA	SES
Bedford, Massachusetts, USA	SES	Nerja, Spain	SES
Brookline, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Cambridge, England, UK	SES	Parma, Ohio, USA	SES
Edenvale, Rep of S. Africa	SES	Sofia, Bulgaria	SES
Houston, Texas, USA	SES	St. Cloud, Minnesota, USA	SES
Hudson, Ohio, USA	SES	Torrington, Connecticut, USA	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Koniz, Switzerland	SES		

Observations are not necessarily continuous.