

NOVEMBER 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	0647	0651	0716	1	5					2	0645	M1.3	9678
01	0856	0903	0916	2	5	1		1			0855	C2.2	
01	1041	1114U	1132	1	1		1				No flare		
01	1150	1202	1243	3-	5	1	2	1		2	1125	M3.3	9687
01	1355	1402	1429	1	3					4	1351	M1.7	9687
01	1415	1437	1708D	3+	1					1	1351	M1.7	9687
01	1920	1932	1949	1+	3					2	1924		9682
01	1949	1955	2057	2+	3					2	1950	M1.5	9687
02	0730	0815	1000	2	1		1				0742	M1.1	9687
02	1431	1435	1508	2	1					1	1433	C3.1	9687
02	1511	1519	1521	1-	1					1	1511	C2.3	9682
02	1701	1705	1714	1-	3					3	1701	C3.2	9684
02	1937	1943	2015	2	1					1	1938	C2.6	
03	1532	1535	1547	1-	3					2	1537		9684
03	2024	2031	2130	2+	1					1	2029	C3.8	9682
04	0637	0647	0723	1	1		1				0638	C8.4	9682
04	0816	0819	0859	2-	1					1	No flare		
04	0842	0858U	0926	1	1		1				No flare		
04	1029	1032	1038	1-	1					1	No flare		
04	1056	1101	1105	1	1					1	1048	C3.2	9687
04	1117	1120	1137	1-	1					1	1125		9684
04	1348	1353	1428	2-	5		1			5	1344	C5.5	9687
04	1537	1540	1558	1	3					3	1536	C5.1	9687
04	1558	1610	1723	2	5		1			4	1603	X1.0	9684
04	1610	1621	1727	2-	5		1			2	1603	X1.0	9684
04	1806	1812	1845	2	1					1	No flare		
04	1851	1915	1953	1	1					1	1856		9687
05	0740	0755	0838	1	1		1				No flare		
05	0908	0915	0936	1+	1					1	0907	M2.1	9684
05	1136	1147	1232	2-	3		1			1	1130	C7.3	
05	1258	1318	1422	1	1		1				1301	C5.0	
05	1429	1507	1527	2+	1					1	1509	M1.2	
05	1742	1747	1800D	1-	1					1	1744	C8.9	
05	2057	2102	2145	1+	1					1	2103	C8.9	
06	0621	0632	0719	1	1		1				0620	M1.2	
06	0742	0745	0759	1	1					1	0742	C9.1	9687
06	0757	0804	0816	1-	5					2	0803	C6.4	
06	0827	0831	0910	2+	3					2	0829	C9.8	9690
06	0929	0936	0943	2	5	1	1	1		2	0925	C9.0	
06	1155	1203	1302	1	3		1			1	1158	C5.9	
06	1344	1351	1423	1+	5		1			6	1345	M1.2	9687
06	1527	1540	1622	1	1		1			1	1507	M1.1	9690
06	1823	1827	1852D	1+	1					1	1825	C6.6	
06	2100	2107	2315	3+	1					1	2100	C8.2	
07	0930	0932	0952	3	5	1	2	1		2	0927	M2.0	9690
07	1033	1044	1125	2	1					1	1032	C4.1	
07	1144	1159	1248	2+	1					1	1144	C5.0	
07	1258	1328	1425	1	1		1				1309	C6.7	
07	1528	1535	1547	1	3					2	1528	C4.4	9690
07	1805	1808	1821	1	3					2	1805	C5.1	9690
07	1932	1937	2006	1	3					3	1930	M5.7	9690
07	1948	1959	2018	1+	1					1	1930	M5.7	9690
07	2137	2140	2159	1	1					1	2143		9690
07	2152	2158	2230	2	1					1	2153		9690
08	0658	0706	0821	2+	5		1			2	0659	M9.1	9687
08	0749	0754	0803	1-	1					1	0749	C6.1	9690
08	0829	0851	0922	1	1		1				No flare		
08	1012	1018	1022	1	5					2	1016	C7.7	9687
08	1035	1042	1126	2	5		1			2	1036	C9.1	
08	1215	1233	1305	2	5		1			2	1213	M1.3	9690
08	1358	1407	1436	2-	5		1			4	1356	M1.4	

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

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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			
08	1443	1459	1525	2-	5					4	1459	M4.2	9690
08	1503	1524	1625	2+	5		1			2	1459	M4.2	9690
08	1900	1902	1930	1+	1					1	1859	C8.8	9687
08	1930	1934	2007	2-	1					1	1933	C5.4	9692
09	0627	0631	0646	1	1					1	0623	M1.0	9690
09	0707	0712	0723	1	1					1	0705	C4.9	
09	0739	0742	0752	1	1					1	0737	C4.8	
09	0842	0851	0902	3-	5	1	2	1		3	0841	M3.3	9690
09	1152	1218U	1239	1	1		1				No flare		
09	1745	1748	1800D	1-	1					1	1747	C3.4	
09	1814	1837	2003	3-	3					2	1823	M1.9	9687
10	0639	0643	0710	1+	1					1	0638	C4.6	9690
10	0733	0735	0749	1-	1					1	No flare		
10	1316	1326	1338	1	1					1	1314	C4.0	9690
10	1807	1814	1822D	1-	1					1	1807	C4.2	
10	1949	1954	2042	2	3					2	1947	M2.3	9690
11	1102	1113	1139	3	5	1	1	1		2	1054	M1.4	9690
11	1239	1326	1503	2	1		1				1303	C3.2	9690
11	1522	1534	1617	2-	3					2	1521	C6.0	9690
11	1732	1737	1751	1-	3					2	1741	C6.9	9690
11	1748	1755	1828	2-	3					3	1741	C6.9	9690
11	1905	1910	1936	1+	1					1	1857	C3.5	9690
12	0752	0756	0910	3	3					2	0752	M1.6	9692
13	0624	0629	0653	2	1					1	0622	M1.5	9690
13	0922	0930	1059	2+	1					1	0919	C6.9	9690
13	1146	1150	1214	2-	1					1	1144	C3.6	9690
13	1656	1703	1739	2	3					2	1655	C2.0	
13	1830	1845	1901	1+	1					1	1838	C7.2	9690
13	1901	1911	2100	3-	1					1	1838	C7.2	9690
14	0720	0730	0746	1+	3		1			1	0718	C3.0	9690
14	0921	0928	0950	2	3		1			2	0919	C5.8	9690
14	1352	1358	1417	1	1					1	1350	C3.0	9690
14	1645	1652	1745	2+	1					1	1644	C2.2	9690
14	1750	1800	1844	2	3					3	1736	C5.4	
18	0916	0924	1136	3	3		1			1	0914	C7.4	9704
18	1108	1158	1312	1	1		1				No flare		
20	1100	1114	1142	1	1		1				1105	C2.2	9704
20	1353	1357	1428	2	1					1	*		
20	1434	1442	1512	1+	5		1			5	1430	C5.1	9704
21	0730	0737	0820	2	1					1	0729	C3.5	
21	0749	0752	0800	1-	1					1	No flare		
21	0828	0836	0851	1	5		1			2	0827	C3.7	9704
21	1102	1111	1137	1+	5					2	1100	C4.4	9704
21	1140	1257	1343	2	1		1				1207	C4.7	9704
21	1750	1755	1805D	1-	1					1	1748	C2.8	9704
21	1805	1818	1836	1+	3					2	1805	C6.3	9704
22	1659	1709	1818	2+	3					5	1700	M1.2	9704
22	2015	2030	2200	3	1					1	2018	M3.8	9698
23	0832	0835	0845	1-	1					1	0828	C6.3	9704
24	1602	1606	1645	2	1					1	1602		9704
24	1706	1714	1745	2	1					1	1718	C3.1	9704
24	1750	1800	1830	2	1					1	1742		9704
25	0925	0927	0939	2	5		2	1		2	0924	C7.6	
25	0948	0959	1037	3	5	1	2	1		2	0945	X1.1	
25	1000	1015	1035	2	1					1	*		

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

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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			
25	1117	1120	1120D	3-	5	1	2	1		1	1114	C3.6	
25	1139	1143	1204	3	5		2	1		2	1137	C7.5	
25	1526	1531	1542	1-	1					2	1529	C2.3	9704
25	1543	1547	1625	2-	3					3	1539	C7.8	9704
25	1650	1657	1720	1+	1					1	1648	C2.8	9704
25	1737	1744	1800D	1	1					1	1718	C3.1	9704
25	1800	1812	1853D	2+	1					1	1718	C3.1	9704
25	1853	1900	1922	1+	1					1	1853	C1.9	9704
27	0817	0834	1006	1	1		1				No flare		
27	1021	1031	1031U	1+	1					1	1020	C7.9	
27	1049	1052	1052U	1-	1					1	1048	C8.1	
27	1056	1110	1147	1	3		1			1	1048	C8.1	
27	1112	1130	1240	3	1					1	No flare		
27	1329	1338	1426	1+	5		1			1	1336	C3.5	
27	1544	1548	1623	2-	3					2	1543	C6.9	9715
27	1658	1707	1756	1	1		1				1714	C4.7	
28	0711	0720	0739	1	1		1				*		
28	1455	1456	1517	1	1					1	1453	C3.2	
28	1541	1546	1612	1+	3					3	1538	C7.7	
28	1628	1638	1715	1+	5		1			3	1626	M6.9	9715
28	1712	1714	1719	1-	1					1	1716	C2.3	
29	0950	0953	1002	1-	1					1	0948	C2.7	
29	1006	1020	1146	2-	3		1			1	1012	M5.5	9715
29	1017	1030	1101	3	5	1	2	1		2	1012	M5.5	9715
29	1148	1206	1228	1	1		1				1149	C6.5	
29	1233	1254	1325	1	1		1				1229	C6.0	
29	1403	1408	1440	2	5		2	1		5	1359	C7.6	9715
29	1702	1706	1745	2	1					1	1701	C3.5	9715
29	1802	1807	1841	2-	3					2	1803	C5.6	9715
29	1948	1953	2045D	2+	1					1	1946	C3.7	
29	2045	2047	2115	1+	1					1	2045	C2.7	9715
29	2122	2125	2200	2	1					1	2120	C3.0	
30	0913	0926	1022	2+	1					1	0914	C4.8	9718
30	1411	1417	1433	3	5		1	1		5	1402	M1.5	
30	1826	1831	1851	1	1					1	1837	C2.1	9715
30	1900	1908	1937	2	1					1	1859	C3.1	9715
30	1959	2002	2130	3	1					1	1955	M2.9	

* = no flare patrol.

OBSERVATORIES REPORTING FOR NOVEMBER 2001

Bedford, Massachusetts, USA	SES	Nerja, Spain	SES
Bern, Switzerland	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Brookline, Massachusetts, USA	SES	Sofia, Bulgaria	SES
Houston, Texas, USA	SES	Sussex, United Kingdom	SES
Marlboro, Massachusetts, USA	SES	Torrington, Connecticut, USA	SES
Milan, Italy	SES	Upice, Czech Republic	SEA

Observations are not necessarily continuous.