

SUDDEN IONOSPHERIC DISTURBANCES

JANUARY 2002

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			
02	0912	0915	0936	1-	3		1			1	0909	C6.7	9754
02	1028	1042	1210	1	1		1				No flare		
02	1252	1255	1313	2+	5	1	2	1		2	1248	M2.4	9754
02	1753	1758	1834	1+	3					4	1751	C5.1	
03	1225	1240	1317	1	1		1				No flare		
03	1327	1346	1426	1	1		1				1343		9758
03	1707	1712	1741	1	3					3	1709	C4.4	9767
04	0817	0820	0840	1	1					1	0817	C3.6	
04	1654	1702	1733	2	1					1	No flare		
04	1715	1721	1819	2+	1					1	No flare		
04	1744	1748	1805	1+	3					4	1743	M1.0	
04	1824	1829	1850	1+	3					2	1825	C5.6	9773
04	1953	2015	2137	3	1					1	1951	C8.7	9773
05	1026	1043	1111	2-	5		1			2	1027	C7.4	9773
05	1705	1714	1800	2+	1					1	1707	C3.1	9773
05	1812	1814	2015	3	1					1	1819	M1.9	9773
05	1822	1831	1921	2	3					5	1819	M1.9	9773
06	1137	1141	1153	1-	1					1	1136	C3.1	9767
06	1236	1247	1312	1	5		1			1	1234	C3.2	
06	1306	1311	1318	1-	1					1	1307	C2.7	9767
06	1350	1357	1406	1-	1					1	1348	C3.1	9773
06	1442	1446	1459	1-	5		1			4	1438	C6.2	9767
06	1936	1946	2015	2	1					1	No flare		
07	1413	1419	1430	1-	1					1	1414	C3.8	9767
08	1713	1723	1803	2	3					5	1713	C7.2	9767
08	1808	1830	2030D	3+	1					1	1814	C9.6	
09	0948	0955	1010	1	1					1	0952	C4.3	
09	1101	1112	1124	3-	5	1	2	1		2	1101	M1.6	9773
09	1452	1459	1518	1+	1					1	No flare		
09	1741	1750	1922	3-	3					6	1742	M9.5	9773
10	0745	0800	0840	1	1		1				0715	C4.3	9773
10	1007	1020	1057	2-	3		1			1	1030E		9773
10	1509	1516	1536	1+	1					1	1512	C3.2	9773
10	1552	1603	1630D	2	1					1	1553	C3.6	9773
10	1630	1632	1705	2	1					1	No flare		
11	0755	0805	0915	2+	1					1	0753	M1.0	9767
11	1235	1240	1314	1	1		1				1222	C4.2	9773
11	1319	1337	1420	1	1		1				1319	C6.1	9773
11	1800	1804	1827	1+	1					1	No flare		
11	1844	1847	1907	1	3					3	1844	C3.7	9775
11	1957	2006	2041	2	1					1	1955	C7.3	9773
12	1220	1230	1322	1	1		1				1215	C5.4	
12	1510	1518	1619	2+	5		1			5	1505	M1.7	9775
12	1830	1839	1945	2+	3					5	1832	M3.4	
12	1926	1931	1936	1-	1					1	1925	M1.3	9775
13	1307	1312	1336	1+	5					2	1306	C7.8	9775
13	1326	1334	1404	1-	5		1			2	1336	C0.8	9775
13	1511	1524	1616	2	3					4	1512	C7.4	9773
13	1708	1710	1729	1	3					4	1707	C5.4	9775
13	1852	1904	1937	2	1					1	No flare		
13	1941	1946	2025	2-	3					3	1935	M2.2	9775
14	0822	0846	0916	1	1		1				No flare		
15	1650	1703	1718D	1+	1					1	No flare		
15	1720	1728	1743	1	3					2	No flare		
15	1749	1752	1801	1-	3					2	1748	C4.6	9775
15	1806	1808	1830	1	1					1	1804	C3.4	9775

\* = no flare patrol.

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						SWF	SEA	SPA	LF-SPA	SES			
16	0800	0808	0825	1	5					2	0800	C7.1	9775
16	0904	0908	0925	1-	5					3	0903	C4.3	9775
16	0928	0931	0949	1-	5					3	0927	C6.6	
16	1006	1010	1036	3-	5	1	1	1		3	1005	M1.5	9775
16	1159	1206	1214	2	5	1	1	1		*			
16	1353	1400	1423	2+	5			1	1	4	1351	C9.5	
16	1503	1508	1521	1-	3					3	1502	C4.6	
16	1524	1530	1542D	1-	1					1	1525	C4.1	9775
16	1546	1552	1610	1+	1					1	1542	C5.0	
16	1649	1657	1716	1+	3					2	1652	C4.3	9775
16	1752	1758	1816	1	3					3	1750	C6.2	9773
16	2002	2009	2021D	1	1					1	2000	C5.8	9773
16	2021	2028	2130	2+	1					1	2019	C9.2	
17	1143	1149	1151	1-	1					1	1142	C2.5	
19	1003	1013	1054	2+	5		2	1		3	1000	M1.2	9787
20	1544	1551	1613	1+	3					4	1543	C3.8	9788
22	0849	0900	0930	2-	5		1			2	0852	M1.3	9791
22	1200	1240	1300	1	1		1				No flare		
22	1307	1316	1335	1-	5		1			2	1308	C5.0	9789
22	1421	1428	1434	1-	1					1	1420	C2.6	
23	0830	0941	1035	1	1		1				0906	C1.4	9787
23	1414	1426	1453	1	1		1				No flare		
24	1503	1508	1517	1-	3					4	1503	C3.7	
25	1031	1036	1044	2	5	1		1			1030	C3.5	
25	1816	1819	1844	1+	3					2	1815	C2.5	
25	1903	1909	1928	1	3					5	1902	C4.6	
25	2212	2218	2307	2+	1					1	2214	C7.5	
26	1446	1450	1455	1-	1					1	1447	C2.7	
26	1923	1930	1943D	1	1					1	1926	M1.3	9802
26	1939	1953	2031	2	3					3	1926	M1.3	9802
28	1103	1139U	1310	1	1		1				1105	C4.6	
29	0423	0425	0455	1+	1					1	0420	C3.6	9800
29	0555	0600	0630	2	1					1	No flare		
29	0846	0851	0922	2-	3					2	0842	C7.3	9800
29	0954	1018	1048	1	3		1			1	1013	C4.0	9800
29	1251	1300	1342	1	1		1				1249	C5.8	9800
30	1215	1228	1245	1+	1					1	1159	C3.3	
30	1331	1337	1406	1+	3					2	1333	C2.4	
30	1635	1639	1652	1-	3					3	1637	C7.4	
30	1738	1741	1746	1-	3					2	1738	C3.3	
31	1010	1012	1026	2+	5	1		1		3	1007	C3.3	9802
31	1421	1426	1429	1-	3					2	1420	C4.3	9800
31	1439	1445	1517	3-	5	1	2	1		8	1436	M3.6	
31	1523	1526	1537	1-	3					4	1520	C4.6	9802
31	1640	1645	1658	1+	3					4	1640	C4.9	9800

\* = no flare patrol.

OBSERVATORIES REPORTING FOR JANUARY 2002

Bedford, Massachusetts, USA	SES	Milan, Italy	SES
Bern, Switzerland	SES	Nerja, Spain	SES
Brookline, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Edenvale, Rep of S. Africa	SES	Torrington, Connecticut, USA	SES
Houston, Texas, USA	SES	Upice, Czech Republic	SEA
Marlboro, Massachusetts, USA	SES		

Observations are not necessarily continuous.