

SUDDEN IONOSPHERIC DISTURBANCES

FEBRUARY 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			
01	0752	0815	0838	1	1		1				No flare		
01	2110	2118	2144	2-	3					2	2108	C5.8	9800
02	1529	1534	1556	1	3					3	1532	C2.2	9802
02	2000	2003	2045	2	1					1	1957	C2.9	9802
03	1503	1513	1537	1+	5					6	1457	C4.4	9802
04	1011	1027	1044	2	1					1	1006	C2.7	9802
04	1523	1532	1617	2	3					3	1522	C3.0	
04	1901	1906	1957	2-	3					2	1858	C7.8	9802
05	2020	2024	2040	1	1					1	2004	C4.4	9809
06	0855	0905	1000	1-	1					1	*		
06	1130	1137	1211	3-	5	1	2	1		6	1126	M1.4	
06	1238	1336	1522	1	1		1				*		
06	1738	1745	1749	1-	1					1	1738	C4.1	
06	1931	1939	2011D	2	1					1	1928	C4.0	9811
06	2011	2014	2029	1	3					3	2010	C5.3	9815
07	1004	1018	1202	1	1		1				0954	C2.6	
07	1116	1119	1125	1-	1					1	1113	C2.7	
07	1332	1337	1341	1-	1					1	1333	C4.7	
08	1035	1044	1104	1	5		1			3	1034	C4.0	
08	1105	1110	1115	1-	1					1	*		
10	1841	1846	1921	2	3					5	1840	M1.6	9811
10	1919	1924	2007	2-	3					3	1918	C5.5	9825
12	1232	1241	1306	2	1					1	1230	C3.0	9825
12	1425	1427	1433	1	1		1				1427	C5.8	9825
12	1430	1437	1514	2-	5		1			7	1427	C5.8	9825
12	1616	1622	1652	2-	3					2	1620		9811
13	0703	0708	0732	1+	5					2	0657	C7.8	9825
13	0852	0858	0914	1-	5					3	0851	C2.8	9825
13	0937	0946	1002	1	5					2	0936	C3.2	9822
13	1604	1607	1612	1-	1					1	1603	C1.4	
14	0833	0835	0844	1-	1					1	0831	C1.5	9825
14	0949	0951	0959	1-	1					1	0946	C2.6	
14	1008	1011	1019	1-	5					2	1006	C3.1	9825
14	1105	1109	1127	1	5		1			2	1102	C2.9	
14	1352	1356	1416	1	5		1			8	1349	C3.9	9825
14	1704	1707	1730	1+	1					1	1703	C1.7	9825
15	1029	1030	1035	1-	1					1	*		
15	1727	1734	1804	1+	3					4	1726	C1.9	9821
17	1452	1513U	1547	1	1		1				1453	C1.7	9830
17	1856	1900	1914	1	3					2	1855	C1.9	9830
17	1924	1929	1945	1	1					1	1901		9830
17	2015	2020	2045	1+	1					1	2014	C2.3	9830
18	0747	0754	0833	2-	1					1	0744	C5.9	9829
18	2044	2056	2220	3	1					1	2018	M1.0	9830
19	1600	1603	1616	1-	3					3	1559	C2.9	9825
19	1629	1630	1635	1-	1					1	No flare		
20	0248	0256	0315	1+	1					1	0244	M4.2	9825
20	0605	0614	0639	2-	5					2	0552	M5.1	9825
20	0749	0759	0812	1	1					1	0741	C2.5	9825
20	0951	0957	1200	3	5	1	1	1		5	0946	M4.3	9825
20	1106	1110	1123	1	5					5	1102	C7.5	9825
20	1129	1137	1159	1+	5					2	1129	C4.5	9825

* = no flare patrol.

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						SWF	SEA	SPA	LF-SPA	SES			
20	1351	1355	1358	1-	5					2	No flare		
20	1425	1429	1440	1-	3					3	1426	C3.1	
20	1620	1625	1654	2-	3					5	1618	C9.7	
20	1702	1709	1818	2+	3					5	1703	M3.5	
20	1823	1825	1831	1-	1					1	No flare		
20	2104	2107	2206	2+	3					2	2100	M2.4	
20												9830	
21	0708	0715	0754	2-	1					1	0706	C5.6	
21	0929	0937	0954	2+	5					2	0925	C7.0	
21	1159	1218	1234	3	5	1	2	1		2	1156	M3.9	
21	1350	1425	1528	1	1		1				1346		
21	1646	1650	1715	1+	3					3	1645	C3.5	
21	1808	1814	1923	2+	3					5	1807	M1.0	
21	2010	2016	2030D	1	1					1	No flare		
21	2029	2035	2055	1+	3					3	2028	M1.4	
21	2205	2214	2245	2	1					1	2205	C3.9	
21												9835	
21												9830	
22	0621	0628	0652	2-	5					2	0620	C5.0	
22	0909	0915	0930	1	1					1	0906	C2.7	
22	1109	1112	1121	1-	1					1	1107	C2.2	
22	1815	1828	1904	2	3					2	1810	C2.2	
23	1352	1358	1416	1	5					5	1352	C4.3	
23	1429	1433	1450	1	3					2	1425	C3.4	
23	1541	1542	1545	1-	1					1	No flare		
23												9830	
24	1437	1446	1500	1	3					4	1435	C4.4	
24	1535	1539	1553	1	3					5	1535	C2.4	
24	2031	2034	2131	2	3					2	2031	C9.0	
24												9841	
24												9830	
24												9830	
25	1037	1042	1058	1-	5					3	1035	C3.5	
25	1201	1209	1227	1	5					2	1200	C2.7	
25	2124	2128	2200	2	1					1	2124	C4.1	
25												9846	
25												9846	
25												9830	
26	0655	0657	0723	1+	1					1	0652	C4.4	
26	0843	0911	0949	1	1			1			No flare		
26	1027	1038	1112	2+	5	1	1	1		2	1025	C9.6	
26	1347	1359	1443	1-	5			1		2	1349	C3.5	
26												9830	
26												9845	
27	1257	1304	1324	1+	5			1		3	1255	C4.3	
27	1340	1346	1413	1+	5			1		4	1341		
27	1551	1557	1644	2-	5			1		9	1550	M1.6	
27	2045	2057	2200	2+	1					1	2049	C7.9	
27												9839	
27												9839	
27												9839	
28	0919	0925	0947	1	3			1		2	0922	C4.0	
28	1411	1416	1424	1-	5					4	1413	C5.5	
28	1903	1911	2007	2	3					5	1905	C7.6	
28												9848	
28												9844	

* = no flare patrol.

OBSERVATORIES REPORTING FOR FEBRUARY 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
Edmonton, Canada	SES	Sofia, Bulgaria	SES
High Bridge, New Jersey, USA	SES	Sussex, United Kingdom	SES
Houston, Texas, USA	SES	Torrington, Connecticut, USA	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Marlborough, Massachusetts, USA	SES	Villiersdorp, South Africa	SES

Observations are not necessarily continuous.