

SUDDEN IONOSPHERIC DISTURBANCES

MARCH 2003

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	0837	0843	0928	2-	5						2	0834	C2.4	10292
01	1328	1333	1344	1-	5						2	1326	C1.2	
01	1422	1430	1449	1	5						8	1420	C3.0	10292
01	1537	1542	1554	1-	5						7	1537	C1.9	10296
01	1653	1654	1704	1-	1						1	1650	B8.4	10296
01	1710	1720	1738	1+	3						4	1709	C2.1	10296
01	1905	1909	1922	1-	3						4	1903	C3.5	10296
05	1333	1336	1339	1-	3						2	1333	B9.8	10301
05	1533	1535	1536	1-	1						1	1533	B6.8	
08	0928	0936	1013	2	1						1	0925	C2.6	10306
08	1000	1002	1006	1-	1						1	0925	C2.6	10306
09	0645	0649	0735	2-	5						3	0641	C4.4	10304
09	1510	1516	1522	1-	5						2	1510	C1.6	10304
09	1748	1754	1813	1	3						3	1747	C2.0	10310
11	1836	1837	1842	1-	1						1	1837	B5.3	
15	1325	1337	1352	1+	1						1	No flare		
15	1526	1530	1549	2+	5		1	1			12	1521	C3.7	10314
15	2003	2013	2102	2	3						6	2000	C8.4	10314
16	1125	1132	1140	1-	5						2	1121	C1.0	
16	1255	1315	1323	1+	1						1	1251	C1.2	
16	1418	1429	1509	2	5						6	*		
17	1636	1651	1700	1	1						1	1635	C7.7	10314
17	2014	2017	2047	2	1						1	2014	C6.9	
18	0500	0510	0535	3+	1						1	*		
18	0555	0600	0636	2	5						2	0551	M2.5	10314
18	0737	0744	0826	2+	1						1	0734		10314
18	1013	1023	1056	2-	5						7	1009	C2.4	
18	1156	1209	1300	3	5	1	1	1			9	1151	X1.5	10314
18	1404	1414	1429	1	1						1	No flare		
18	1612	1617	1639	1	5						8	1612	C2.8	10314
18	1636	1640	1646	1-	3						2	1638	C1.3	
18	1654	1700	1706	1-	1						1	No flare		
18	1850	1904	1943	2	3						4	1849	C5.9	
18	2057	2100	2109	1-	1						1	2101	B8.9	
19	0303	0306	0335	2	1						1	0258	M1.5	
19	0639	0646	0735	2	5						3	0636	M1.6	10314
19	0948	0950	1007	3	5	1	1	1			4	0934	M3.7	10314
19	1124	1129	1206	2	5	1	1	1			4	1120	C5.8	10314
19	1330	1336	1350	3	5	1	1	1			10	1325	M1.4	10314
19	1607	1613	1619	1-	3						3	1606	C1.1	
19	1638	1648	1718	2-	3						5	1632	C3.2	10314
19	1708	1710	1728	1-	3						2	1707	C1.9	
19	1815	1822	1841	1	3						4	1802	C1.3	10314
19	1846	1854	1939	2	3						5	1845	C6.3	10314
19	2043	2051	2101	1-	1						1	2039	C1.3	
19	2104	2108	2116	1-	1						1	2100	C1.8	10314
19	2125	2130	2147	1	3						2	2122	C2.2	10314
19	2159	2202	2232	1+	3						2	2155	C3.5	10314
19	2313	2315	2337	1	1						1	2310	C2.0	10314
20	1128	1136	1156	3	5	1	1	1			7	1125	M1.5	10314
20	1651	1736	1833	3	1						1	No flare		
21	0903	0910	0919	1-	3						2	0858	C1.1	10314
21	1420	1429	1446	1	5						7	1415	C1.8	10314
22	0656	0659	0735	2-	5						3	0650	C1.3	10314
22	0852	0858	0904	1-	1						1	0849	B4.0	10314

* = no flare patrol.

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						SWF	SEA	SPA	LF-SPA	SES			
22	0945	0951	1000	1-	1					1	0938	B5.1	10314
22	1226	1230	1237	1-	1					1	1222	B3.8	10314
23	1145	1213	1243	2+	1					1	1146	C1.9	10318
23	1341	1347	1354	1-	1					1	1341	B7.3	10321
23	1902	1905	1924	1	1					1	1903	C1.1	10321
24	1309	1314	1321	1-	1					1	1210	C1.2	10321
26	1704	1711	1728	1	5					6	1705	C2.2	
27	0533	0539	0622	2+	1					1	0531	C1.2	10319
27	0659	0704	0726	1+	5					3	0656	C1.3	10321
27	0943	0946	0952	2	5	1		1		7	0940	C3.6	10322
27	1451	1457	1526	1+	5					9	1449	C2.3	10322
27	1940	1944	2012	1+	3					4	1938	C1.6	10320
27	1954	1959	2024	1+	1					1	No flare		
29	1014	1019	1039	2+	5	1	1	1		8	1011	C7.2	10318
29	1228	1233	1247	3-	5	1	1	1		10	1224	C5.7	10323
29	1304	1307	1317	1-	3					2	1303	C1.2	
29	1400	1412	1450	2	1					1	No flare		
29	1503	1518	1549	2	5					7	1500	C4.2	10318
29	1655	1702	1727	1+	5					7	1655	C4.7	
29	1833	1839	1931	2	3					5	1831	C8.2	10318
30	0124	0128	0143	1	1					1	0121	C3.6	
31	1617	1621	1628	1-	1					1	1615	C1.6	10323

* = no flare patrol.

OBSERVATORIES REPORTING FOR MARCH 2003

Alberta, Canada	SES	Marlborough, Massachusetts, USA	SES
Athens, Greece	SES	Milan, Italy	SES
Bedford, Massachusetts, USA	SES	Nerja, Spain	SES
Bern, Switzerland	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Brookline, Massachusetts, USA	SES	Sofia, Bulgaria	SES
Dundas, Ontario, Canada	SES	Sussex, United Kingdom	SES
Edenvale, Republic of S. Africa	SES	Torrington, Connecticut, USA	SES
Houston, Texas, USA	SES	Udine City, Italy	SES
Isola del Gran Sasso, Italy	SES	Villiersdorp, South Africa	SES

Observations are not necessarily continuous.