

SUDDEN IONOSPHERIC DISTURBANCES

MARCH 2004

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	0840	0917	1020	2	1		1				No flare		
02	1202	1310	1326	1	1		1				*		
02	1411	1427	1447	1	1		1				*		
03	0952	1028	1115	2	1		1				*		
04	1000	1005	1029	1+	5		1			5	1000	C2.5	10567
04	1714	1718	1726	1-	3					3	*		
05	0854	0906	0952	2+	5	1	2	1		5	0851	C6.6	10570
05	1306	1316	1412	1	1		1				No flare		
05	1846	1854	1948	2	3					7	*		
06	0657	0700	0719	1	3					3	0656	C2.7	10567
06	0811	0825	0850	1	1		1				No flare		
06	0937	0950	1038	1	1		1				No flare		
06	1017	1025	1038	1-	3					3	1014	C1.9	10570
06	1212	1224	1352	3	5	1	2	1		5	1208	M1.3	10570
06	1510	1518	1525	1-	3					2	1512	C1.2	10570
06	1624	1632	1655	1+	3					3	1622	C1.4	10570
06	1926	1933	2001	2-	3					3	1922	C2.0	10570
07	1205	1242	1324	1	1		1				1231	B4.7	10567
07	1335	1400	1424	1	1		1				*		
08	0800	0814	0840	1	1		1				0813	B6.6	10570
09	0427	0438	0502	2	1					1	0422	C1.1	10570
09	0642	0653	0719	2-	3					2	0639	C1.3	10570
09	1413	1438U	1508	1	1		1				1424	B5.4	10570
12	0234	0238	0300	1+	3					2	0232	C3.1	10570
13	1346	1357	1426	1	1		1				1350	C1.0	10570
16	1212	1240U	1308	1	1		1				No flare		
17	0921	0931	0951	1+	5					3	0918	C1.6	10572
17	1230	1239	1250	1	1		1				No flare		
17	1421	1430	1505	2-	5		1			7	1419	C2.5	10574
17	1613	1618	1645	1+	1					1	1613	B9.8	10574
17	1800	1809	1831	2-	3					2	1800	C1.3	10574
18	0513	0518	0557	2-	3					4	0508	M1.6	10574
18	0606	0610	0637	1+	3					3	0611	C8.0	10574
18	0947	0950	1006	1-	3					2	0944	C1.2	10574
18	1206	1222	1305	2-	3		1			2	1202	C3.1	10578
18	1358	1407U	1434	1	1		1				No flare		
18	1443	1449	1520	1+	5		1			6	1441	C2.7	10578
18	1925	1929	2004	2-	3					4	1921	C3.7	10578
18	2231	2237	2330	2+	1					1	2226	M1.5	10578
19	0234	0237	0246	1-	1					1	0230	C2.0	10578
19	0304	0307	0319	1-	1					1	0258	C1.4	10578
19	0415	0419	0431	1-	1					1	0411	C1.2	10574
19	0739	0743	0821	2	1					1	0736	C1.1	10578
19	0847	0851	0910	2	5	1	1	1		3	0843	C2.4	10574
19	1222	1240	1304	1	1		1				1211	C2.5	10578
19	1632	1637	1700	1	3					5	1630	C1.6	10578
21	0949	0955	1005	2	5	1	1	1		4	0939	C6.3	10576
21	1631	1634	1717	2	1					1	1628	C1.3	10578
22	0609	0615	0707	2-	3					2	0609		10574
22	1144	1148	1206	1	1		1				No flare		
23	0650	0714	0738	2+	1					1	0657	C1.4	10574
23	0856	0907	0939	1	1		1				0851	B7.2	10578

* = no flare patrol.

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MARCH 2004

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			
24	1422	1426	1501	3-	5	1	2	1		6	1417	C5.7	10577
24	1558	1605U	1620	1	1		1				No flare		
24	1847	1850	1917	1+	3					3	1845	C1.5	10582
24	2013	2017	2107	2	3					4	2007	C7.4	10582
24	2132	2135	2159	1+	3					2	2127	C1.9	10577
24	2322	2330	0005	2-	5					3	2314	M1.5	10582
25	0424	0431	0510	2-	1					1	0412	C3.2	10582
25	0432	0439	0522	2-	3					3	0429	M2.3	10582
25	0703	0713	0818	2+	3					3	0702	C6.1	10582
25	0712	0726	0813	2	1		1				0702	C6.1	10582
25	1128	1203	1203	1	1		1				1201	C3.7	10577
25	1208	1217	1305	2+	5	1	1	1		4	1201	C3.7	10577
25	1504	1510	1528	1-	5		1			5	1503	C1.8	10582
26	1016	1017	1044	1+	1					1	1011	B9.6	
27	0943	0948	1016	2	1					1	0942	C1.3	10586
27	1249	1259	1322	1	3	1	2				1246	C1.4	10586
27	1428	1434	1453	1	3					3	1427	C1.9	10586
27	1639	1647	1713	2-	3					3	1616	C1.7	10586
28	0341	0408	0436	2+	1					1	0338	C1.3	10585
28	0445	0448	0454	1-	1					1	0438	C1.2	
28	0634	0636	0708	2	1					1	0631	B8.0	10582
28	1233	1244	1304	1	1		1				1157	C1.8	10582
29	0639	0651	0740	2	1		1				*		
29	0845	0904	0934	1	1		1				No flare		
29	0948	0953	1047	1	1		1				0945	B6.1	10587
29	1140	1153	1221	1	1		1				*		
29	1230	1239	1249	1	1		1				*		
29	1252	1307	1336	2-	3		1			4	1249	C2.7	10582
29	1549	1551	1601	3-	5	1	2	1		3	1543	C5.5	10582
29	1736	1745	1801	1+	1					2	1729	C1.5	10582
29	1844	1846	1902	1	1					1	1827	C3.4	10582
29	1958	2004	2051	2+	1					1	1955	C4.5	10582
29	2321	2328	2357	2	1					1	2319	C8.2	10582
30	0946	0951	1002	2+	5	1	1	1		3	0941	C5.9	
30	1045	1051	1108	1	1		1				*		
30	1231	1243	1300	1	5		1			1	1230	C1.0	
30	1257	1302	1311	2	5	1	1	1		5	1254	C4.7	
30	1347	1351	1400	1-	1					1	1344	B9.2	10582
30	1753	1800	1820	1+	3					2	1754	C1.4	10582
31	0559	0605	0631	1+	3					3	0557	C2.2	10582
31	0932	0938	0956	3-	5	1	1	1		4	0927	C3.7	10582
31	1030E	1143	1358	3+	1					1	1036	C3.4	10582
31	1212	1300	1325	1	1		1				*		
31	1329	1358	1620	1	1		1				No flare		
31	1508	1517	1532	1	3					2	1507	C2.8	10582
31	2003	2007	2041	2-	3					6	2002	C7.4	10582

* = no flare patrol.

OBSERVATORIES REPORTING FOR MARCH 2004

Alberta, Canada	SES	Milan, Italy	SES
Athens, Greece	SES	Nerja, Spain	SES
Bedford, Massachusetts, USA	SES	Palo Alto, California, USA	SES
Bern, Switzerland	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Brookline, Massachusetts, USA	SES	Perth, Australia	SES
Calcutta, India	SES	Sofia, Bulgaria	SES
Edenvale, Rep of S. Africa	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.