

SUDDEN IONOSPHERIC DISTURBANCES

MAY 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	0930	0943	1010	1	1		1				0929	C1.7	
01	1140	1143	1235	2+	5	1	2	1		5	1132	C5.3	10349
01	1358	1401	1406D	1-	1					1	1356	C1.1	10349
01	1408	1415	1451	1+	5		1			9	1405	C3.5	10349
01	1846	1848	1902	1-	1					1	1843	C1.8	10349
01	1916	1922	1959	2-	3					4	1915	C4.9	10349
02	0256	0308	0349	2-	5					2	0247	M1.0	10345
02	1230	1246	1342	1	1		1				1211	C1.4	
02	1806	1824	2004	3+	3					6	1804	C5.4	10345
03	0949	0951	0959	1-	1					1	0948	C1.4	
03	1828	1832	1902	2-	3					3	1826	C2.7	10345
04	0807	0813	0828	1-	3					2	0807	C1.4	10349
04	1218	1247U	1310	1	1		1				No flare		
04	1344	1349	1405	1	5					3	1344	C1.3	10349
04	1501	1508	1517	1-	5					2	1500	C1.2	10349
05	1012	1018	1052	1	1		1				No flare		
05	1554	1603	1640	1	1		1				No flare		
06	0924	1000	1000	1	1		1				0906	C5.7	10349
06	1005	1013	1050	2	5	1	2	1		4	0906	C5.7	10349
06	1340	1405	1444	1	5	1	2			9	1344	C3.7	10349
06	1914	1921	2011	2	3					4	1913	C2.8	10349
07	0602	0615	0641	1+	3		1			3	0549	C3.2	10349
07	0703	0710	0750	2-	3					4	0702	C4.2	10348
07	1017	1028	1102	2-	3					4	1017	C2.2	
07	1054	1057	1111	1-	3					3	1051	C2.3	
07	1308	1313	1338	1	3					3	1306	C1.8	10349
07	1619	1627U	1646	1	1		1				No flare		
07	2030	2032	2047	1-	1					1	2026	C2.0	10348
07	2045	2049	2126	2	3					2	2044	C5.9	
07	2135	2139	2207	1+	1					1	2133	C1.7	10349
08	0540	0558	0656	2-	3		1			2	0540	C2.3	10348
09	0828	0834	0900	2	1		1				No flare		
10	1329	1332	1403	2	5		1	1			No flare		
12	0749	0807	0903	2	1		1				No flare		
13	0719	0732	0800	2	5		1	1			No flare		
20	1441	1451	1511	1+	1					1	1440	B7.2	
20	1655	1659	1714	1	1		1				*		
20	1926	1931	1959	2	1					1	1924	C1.4	10362
21	1525	1535	1555	1+	1					1	1522	B6.5	
22	0631	0701	0813	2	3		1			2	0642	C4.9	10362
22	1428	1509	1604	1	1		1				*		
22	1520	1532	1558	2	1					1	1524	B7.2	
22	1652	1720	1825	3	1					1	1636	C1.1	10362
24	1414	1418	1440	1+	3					2	1413	B4.9	10368
24	1425	1430	1456	1	5		1			1	1424	B7.1	10366
24	1511	1526	1556	1	1		1				No flare		
24	1640	1650U	1713	1	1		1				No flare		
25	1658	1709	1806	1	1		1				1715	C3.0	10368
25	1717	1749	1902	3	1					1	1715	C3.0	10368
26	0538	0546	0611	3	5		2	1		1	0534	M1.9	10365
26	1506	1519	1615	3	5	1		1		8	1503	C5.9	

* = no flare patrol.

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May 03

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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			
26	1626	1637	1709	2	5					9	1622	M1.0	10365
26	1705	1728	1939	2	5		1			1	1702	C7.4	10365
27	0332	0349	0431	2+	1					1	0338	C8.9	10365
27	0555	0609	0640	3	5	1	2	1		3	0506	M1.6	10365
27	1455	1514	1548	2	5	1	2	1		7	1448	C6.5	10365
27	2300	2307	2354	2	3					3	2256	X1.3	10365
28	0018	0025	0222	3	1					1	0017	X3.6	
28	0600	0610	0720	2+	1					1	0605	C3.1	
28	1355	1405	1443	1	1		1				1350	C1.3	
28	1420	1425	1444	1	5					4	1420	C2.2	10365
28	1535	1549	1612	1+	5		1			5	1537	C3.5	10365
28	1728	1732	1740D	1-	1					1	1731	C3.5	10365
28	1733	1742	1813	2-	3					5	1731	C3.5	10365
28	1803	1806	1825	1	3					2	1800	C2.0	
28	1838	1847	1922	2	3					6	1841	C4.4	
28	1935	1939	1959	1	3					3	1934	C1.9	
29	0057	0105	0145	2	5					3	0051	X1.2	10365
29	0213	0220	0248	1+	5					2	0209	M1.5	10368
29	0604	0606	0700	1	1		1				No flare		
29	0804	0810	0817	1	1		1				No flare		
29	0855	0906	0919	1	1		1				No flare		
29	1128	1140	1150	1	1		1				No flare		
29	1444	1453	1511	1	1		1				No flare		
29	1704	1717	1743	1	1		1				No flare		
29	1929	1936	2028	2	3					5	1928	M2.8	10368
30	0644	0654	0732	3	5	1	2	1		5	0639	C8.6	10365
30	0852	0906	1043	2-	3		1			1	0849	C4.9	10373
30	0906	0921	0956	2-	1					2	0849	C4.9	10373
30	1614	1622	1646	1	1		1				No flare		
30	1704	1720	1755	1+	5		1			1	1717	C1.7	10365
31	0215	0225	0321	2+	5					2	0213	M9.3	10365
31	1344	1400	1442	1	1		1				1405	C1.3	10365
31	1408	1418	1435	1+	1					2	1405	C1.3	10365
31	1527	1534	1609	2	5	1	1	1		8	1525	C3.5	10365
31	1628	1633	1655	2-	5	1	1	1		6	1620	C6.2	

* = no flare patrol.

OBSERVATORIES REPORTING FOR MAY 2003

Alberta, Canada	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Athens, Greece	SES	Perth, Australia	SES
Banning, California, USA	SES	Sofia, Bulgaria	SES
Bedford, Massachusetts, USA	SES	Sussex, United Kingdom	SES
Brookline, Massachusetts, USA	SES	Torrington, Connecticut, USA	SES
Edenvale, Rep of S. Africa	SES	Tucson, Arizona, USA	SES
Houston, Texas, USA	SES	Udine City, Italy	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Marlborough, Massachusetts, USA	SES	Villiersdorp, South Africa	SES
Milan, Italy	SES		

Observations are not necessarily continuous.