

SUDDEN IONOSPHERIC DISTURBANCES

119
May 02

MAY 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	1000	1005	1044	1	1					1	0957	C2.4	9932
01	1915	1925	1945	1+	1					1	1918	C1.8	
02	0905	0913	0958	1+	1					1	0902	C1.9	
02	1112	1116	1139	2	5	1	1	1		2	1121	C3.0	
02	1436	1439	1505	2-	5		2	1		1	1444	C2.3	
02	1620	1627	1644	1	1		1				No flare		
02	2105	2122	2245	3	1					1	2106	C6.3	9926
03	0632	0637	0647	2+	1			1			0642	C3.3	9926
03	0644	0652	0922	3-	1					1	0642	C3.3	9926
03	1436	1545U	1704	1	1		1				No flare		
03	1804	1810	1849	2	3					5	1802	C3.9	9934
03	2015	2020	2054	2-	3					3	2012	C5.4	
03	2116	2121	2200	2-	3					2	2114	C2.8	
04	1301	1309	1410	3	5	1	2	1		8	1309	C9.3	9937
04	1855	1859	1931	2-	3					2	1853	C2.0	9937
04	2037	2048	2115	2	1					1	*		
04	2125	2131	2145	1	1					1	2124	C1.4	
04	2147	2156	2215	1+	3					2	2143	C2.7	
05	0754	0758	0822	2	5		2	1		2	0804	C4.8	9934
05	1209	1215	1242	2+	5	1		1		6	1214	C3.0	9934
05	1438	1445	1510	2-	3					2	1438	C1.9	9937
05	1911	1915	1942	1+	3					3	1911	C2.6	9943
07	0850	0853	0905	1-	1					1	0846	C2.8	
08	1300	1305	1400	2+	1					1	1258	C4.2	9934
08	1302	1326	1506	2+	5		1			3	1258	C4.2	9934
08	1440	1445	1524	2	3					3	1439	C2.8	
08	1542	1551	1645	2+	3					2	1546	C2.3	
08	2035	2038	2115	2	1					1	2030	C1.9	
09	0910	0917	1116	1	1			1			No flare		
09	0941	1002	1020	1	1			1			*		
10	0927	0930	0951	3-	5	1	1	1		3	0936	C3.9	9937
10	2127	2128	2137	1-	1					1	2123	C1.6	9934
11	0245	0252	0315	1+	1					1	0244	C6.4	
11	0653	0655	0715	1	1					1	0651	C3.6	
11	0747	0806	0823	1	1			1			*		
11	0838	0900	0928	1	1			1			*		
11	1113	1125	1221	3	5	1	2	1		9	1121	M1.4	9937
11	1647	1651	1716	1+	3					4	1645	C2.7	9946
11	1734	1740	1816	2-	3					4	1732	C3.7	9934
11	1855	1856	1906	1-	1					1	No flare		
12	0934	0944	1015	2	5	1	1	1		3	0925	C3.7	
13	1650	1654	1724	1	1			1			No flare		
14	0936	0954	1008	1+	1					1	0932	C3.2	9948
14	1258	1312	1400	2+	5	1		1		7	1258	C4.2	
15	0802	0815	0851	3	5	1	2	1		5	0800	M1.0	9948
16	0534	0553	0658	2	1			1			0451	C5.0	
17	0200	0204	0215	1-	1					1	*		
17	0519	0527	0619	2	3			1		2	0516	C7.0	9957
17	0729	0744	0921	3	5	1	2	1		4	0727	M1.5	
17	1600	1611	1625	3	5	1	2	1		11	1550	M2.9	9954

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						SWF	SEA	SPA	LF- SPA	SES				
18	0920	0923	0945	1	1						1	0918	C2.6	9957
18	1234	1239	1306	1+	1						1	1236	C2.5	
18	1540	1544	1620	2-	5						5	1540	C3.4	9957
18	1825	1830	1851	1	3						4	1824	C2.2	9957
19	0755	0840	0854	2	1		1					0808	C2.5	
19	1617	1619	1635	1-	3						2	1618	C2.3	9957
19	1704	1710	1739	1+	3						4	1704	C2.2	9961
19	1842	1845	1901	1	3						4	1841	C2.7	
19	1909	1913	1935	1	3						3	1909	C3.1	
19	2022	2024	2100	2	1						1	2001	C2.8	
19	2146	2149	2230	2	1						1	2143	C4.7	
20	0745	0746	0800	1-	1						1	0729	C3.9	9961
20	0805	0807	0830	1	1						1	0729	C3.9	9961
20	1017	1025	1047	3	5	1	2	1			7	1014	M4.7	9961
20	1051	1055	1132	3	5			1			6	1049	M5.0	9961
20	1138E	1138U	1138	1	1	1						No flare		
20	1328	1339	1417	1	1		1					*		
20	1523	1530	1559	3	5	1	2	1			5	1521	X2.1	9961
20	2018	2025	2107	2+	3						2	2017	C3.0	9961
20	2116	2118	2138	1	1						1	2116	C2.0	
21	0505	0507	0540	2	1						1	0458	C4.8	9960
21	1019	1025	1040	1	1						1	1015	C1.9	9960
21	1310	1314U	1435	1	1			1				No flare		
21	1630	1635	1720	1	1			1				No flare		
21	1719	1724	1800	2	1						1	1717	C3.2	9963
21	2124	2135	2221	2+	3						3	2120	M1.5	9960
22	1540	1547	1609	1+	3						3	1539	C2.5	9961
22	1559	1605	1640	2	1						1	1539	C2.5	9961
22	1808	1818	1828	1	1			1				No flare		
22	2051	2055	2120	1+	1						1	2048	C2.4	9961
24	0639	0645	0701	3	5	1	2	1			2	0637	M1.1	
24	0827	0832U	0900	1	1			1				0821	C2.0	9963
24	1053	1058	1114	2	1				1			1050	C2.9	
24	1443	1451	1528	1	1			1				No flare		
25	1408	1434	1519	1	1			1				No flare		
25	1610	1620	1635	1	1						1	1619		9969
26	0614	0758	0819	2	1			1				0618		9969
26	0956	1016	1330	2	1			1				0922	C1.1	
26	1354	1358	1408	1-	1						1	1353	C4.4	9961
27	0558	0618	0646	1	1			1				0557	C3.5	9957
27	1703	1711	1742	2-	3						3	1703	C4.0	9957
27	1802	1808	1852	2	3						4	1800	M2.0	9957
27	1901	1905	1930	1+	3						4	1900	C7.5	
27	2122	2123	2137	1-	3						2	2123	C3.4	
28	1200	1204	1218	2-	5	1			1		1	1159	C2.8	
28	1419	1426	1431	1-	1						1	1413	C2.0	
28	1540	1545	1615	2	1						1	1531	C2.6	
28	1627	1635	1708	2-	3						3	1629	C3.6	9957
29	0406	0409	0439	1	1			1				No flare		
29	0515	0517	0612	1	1			1				0425	C8.1	9972
29	0658	0709	0821	1	3			1			1	0655	C4.7	
29	0848	0853	0951	1	1						1	0835	C3.5	
29	0950	1009	1108	1	1			1				1008	C2.1	
29	1158	1201	1224	1+	1						1	1157	C2.4	
29	1252	1259	1320	1+	1						1	1251	C3.3	9960

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						SWF	SEA	SPA	LF- SPA	SES				
29	1323	1328	1438	1	1						1	1322	C2.6	
29	1445	1450	1502D	1-	1						1	1445	C1.8	
29	1501	1506	1534	1+	5		1				3	1500	C3.3	
29	1548	1553	1631	2-	5		1				3	1546	C5.9	9973
29	1746	1752	1809	1	3						2	1745	C2.5	
30	0444	0530	0652	1	1		1					0424	M1.3	
30	1322	1326	1334	1-	1						1	No flare		
30	1418	1434	1450	2	5	1	2	1			4	1401	C4.1	
30	1441	1448	1501D	1	1						1	1401	C4.1	
30	1500	1505	1538	2	1						1	No flare		
30	1533	1547	1613	2	5	1	1	1			4	1528	C3.3	
30	1618	1625	1655	2-	3						4	1614	C3.5	9972
30	1709	1717	1730	2	5		2	1			4	1711	M1.6	9973
31	1258	1307	1316	2	5	1	2	1			2	1257	C2.7	9973
31	1505	1528	1603	2+	3						2	1459	C3.0	9973

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OBSERVATORIES REPORTING FOR MAY 2002

Alberta, Canada	SES	Milan, Italy	SES
Bedford, Massachusetts, USA	SES	Nerja, Spain	SES
Bern, Switzerland	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Edenvale, Rep of S. Africa	SES	Sofia, Bulgaria	SES
Houston, Texas, USA	SES	Sussex, United Kingdom	SES
Isola del Gran Sasso, Italy	SES	Torrington, Connecticut, USA	SES
Marlborough, Massachusetts, USA	SES	Upice, Czech Republic	SEA

Observations are not necessarily continuous.