JULY 2000

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type SWF	SEA	SPA	LF-SPA	SES	Flare (UT)	X-ray Class	NOAA Region
01	1239	1243	1308	2+	5	1	2	2		1	1236		9054
01	1530	1553	1624	1	1		1			1	1528	C1.1	
01	2320	2323	2356	2	1					1	2317	M1.5	
02	0937	0945	0952	1-	3	1	1			1	0932	C3.8	
02	1410	1414	1426	1-	1					1	1405	C1.4	
03	0318	0420	0522	2+	1		1				0407	B8.1	
04	1317	1320	1346	2+	1			1			No flare		
04	1500	1503	1503D	1-	5			1		2	1457	C2.3	9068
04	1512	1521	1630	1-	5			1		2	1508	C3.4	9070
04	2115	2119	2153	2	1					1	2114	C1.9	
05	1142	1226U	1342	1	1		1				No flare		
05	1455	1515	1535	1-	1			1			No flare		
06	0900	0915	0920	1	1					1	0903	C2.4	9068
06	1226	1234	1251	1	5	1	2			3	1223	C4.3	9070
06	1724	1740	1740D	1-	1			1			1728		9070
06	1814	1833	1930	2	1			1			1813		9070
06	2040	2046	2145	2+	3					3	2038	C4.8	
07	0840	0920	1010	3	1					1	0842	C5.6	9070
07	1057	1108	1148	3	5	1	2	2		3	1056	M1.3	9071
07	1813	1825	2000	2	5			1		3	1810	M1.3	9071
07	2205	2211	2229	1	3					2	2202	C4.1	9071
08	0731	0735	0801	2-	5	1	1	1			0729	C6.1	9070
08	1307	1309	1309D	1-	5			1		4	1302	C4.5	9073
08	1323	1327	1400	1-	5			1		3	1321	C3.1	9070
08	1343	1402	1429	2	3		2				1328E		9070
08	1503	1510	1510D	1-	5			2		2	1502		9073
08	1520	1524	1545	1-	5			1		1	1518	C2.9	9069
08	1626	1632	1730	1-	5			2		3	1623	C2.4	9070
08	1652	1701	1716	1	1		1				No flare		
08	1732	1744	1758	1	1		1				1747		9073
08	1823	1826	1853	1+	1					1	No flare		
08	1932	1936	2000	1+	1					1	No flare		
08	2048	2053	2130	1-	5			1		3	2045	C4.6	
08	2145	2148	2222	2-	3					2	2144	C4.0	
09	0719	0725	0802	3-	5	1	2	1		1	0715	M5.7	9077
09	1147	1151	1151D	1-	1			1			1151		9077
09	1211	1216	1245	2	5		1	2		4	1209	C4.4	9077
09	1324	1332	1350	1	1		1				No flare		
09	1658	1711	1845	1-	5		1	1		3	1657	C6.0	
09	1710	1730	1815	1-	1			1			1731		9070
09	2004	2006	2023	1-	1					1	2005	C2.6	
10	0852	0859	0907	1	3	1	2				No flare		
10	1032	1054	1133	2	5	1	2	1		1	1026	M1.1	9077
10	1224	1232	1251	1+	5		2	1			1224		9077
10	1419	1432	1521	3	5	1	2	1		2	1416	M1.4	9077
10	1645	1650	1705	1	1					1	1646	C3.2	9066
10	1650	1712	1739	1	1		1				1646	C3.2	9066
10	1751	1808U	1851	1	1		1				No flare		
10	1830	1835	1845	1-	1					1	1830	M1.8	9069
10	1959	2009	2009D	1+	5			1		1	1955	M1.9	9070
10	2030	2035	2100	1+	1					1	No flare		
10	2109	2115	2200	1-	5			1		1	2105	M5.7	9077
11	0926	0932	0953	1	1		1				No flare		
11	1015	1042	1109	1	1		1				1036		
11	1115	1122	1133	1	1		1				1111		
11	1132	1145	1145D	3	5	1	2	2		5	1132	M4.2	9077
11	1216	1232	1232D	2	5			2		1	1212	X1.0	9077
11	1242	1258	1344	3	5		1	2			No flare		

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

JULY 2000

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type SWF	SEA	SPA	LF-SPA	SES	Flare (UT)	X-ray Class	NOAA Region
11	1437	1507	1527	1	1	1					No flare		
11	1643	1707U	1856	1	1		1				No flare		
11	1850	1904	2000	2	5			2		3	1847	M1.1	9070
11	1925	1935	1945	1-	1			1			1921		9077
11	2103	2105	2138	1+	3					3	2101	C7.3	9070
11	2239	2243	2307	1+	3					2	2240	C5.5	
12	0457	0514	0545	1+	5		1	1			0455	M1.2	9077
12	1022	1038	1136	3	5	1	2	1		5	1018	X1.9	9077
12	1445	1500	1530	2	1					1	No flare		
12	1549	1622	1802	3	3					2	No flare		
12	1605	1656	1753	2	3		1			1	1606	M1.0	
12	1841	1847	2100	3-	5			2		4	1841	M5.7	9070
12	2137	2139	2203	1	3					3	2137	M1.9	
13	0928	0933	0955	2-	5	1	2	1		1	0925	C6.0	
13	1153	1207	1234	3-	5	1	2	2		3	1151	M1.3	9070
13	1310	1327	1327D	1+	5	1	2	2		1	1311		9077
13	1353	1413	1413D	1-	5			1		1	1352		9081
13	1432	1435	1500	1-	1			1			1424		9070
13	1617	1623	1623D	1-	5			1		2	1615	M1.1	9085
13	1631	1640	1714	2	5	1	2	2		1	1628	M1.5	9070
13	1810	1819	1945	3	1					1	1832	M1.2	
13	2003	2005	2020	1-	5			1		2	2001	C5.5	
13	2029	2032	2100	1-	5			1		3	2026	C7.3	
13	2201	2205	2245	2	3					3	2201	M1.5	
14	0510	0525	0541	2	1		1				No flare		
14	0655	0702	0735	2	5		2	1			0652	C7.1	
14	0751	0802	0846	1	1		1				0735		9077
14	0924	0955	1002	1-	3		1			2	0951	C5.9	
14	1006	1021	1320	3	5	1	2	2		2	1003	X5.7	9077
14	1348	1355	1506	3-	5	1	2	2		3	1344	M3.7	9077
14	1400	1409	1500	1-	1			2			1344	M3.7	9077
14	1639	1645	1715	1-	5			1		1	1637		9082
14	1640	1700	1807	3	1					1	1637		9082
14	2216	2245	2315	2+	1					1	No flare		
15	0822	0836	0857	3	5	1	2	1		1	0820	M1.3	9077
15	0927	0935	1008	1	1		1				*		
15	1150	1155	1155D	1-	1			1			No flare		
15	1214	1219	1230	1-	1			1			No flare		
15	1252	1300	1300D	1-	1			1			No flare		
15	1316	1321	1345	1-	1			1			No flare		
15	1406	1413	1430	1-	1			1			1405		9077
15	1804	1813	1840	2	1					1	1803		9088
16	0723	0732	0754	2+	5		1	1			0720	C4.5	
16	1651	1658	1726	1	1		1				No flare		
16	1730	1732	1815	1-	1			1			1728	C3.4	9077
16	1905	1908	1930	1-	1			1			1904		9087
16	1935	1938	2012	2-	3					2	1934	C6.5	9087
16	2039	2043	2122	2-	3					2	1934	C6.5	9087
16	2048	2055	2115	1-	1			1			2044	C4.9	9091
16	2150	2154	2210	1-	5			1		3	2147	M1.1	9090
17	0825	0845	0850	1	1					1	0824	C5.3	9087
17	0924	0932	1003	2	5	1	1	1			0921	C6.2	9090
17	1122	1134	1211	2+	5	1	2	1			1118		9081
17	1341	1345	1409	3	5	1	2	1		1	1335	M1.2	9087
17	1512	1524	1605	2	5	1	2	1			1511	C5.9	9077
17	2015	2022	2111	2+	3					2	2014	M2.4	9087
18	0503	0510	0528	3-	5		2	1			0459	M1.9	9077
18	0700	0724	0750	1	1		1				0708		9087
18	1038	1056	1123	1	3		1			1	1053	C2.8	9097
18	1401	1408	1527	3	5	1	2	2		4	1400	M3.0	9087
18	1552	1557	1615	1-	1			1			1550		

* = no flare patrol.

JULY 2000

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18	1722	1737	1815	1-	5			1		2	1722	C6.4	9087
18	1855	1905	1905D	1-	5			1		2	1853		9087
18	1935	1950	2100	1-	1			1			1934	M3.3	
19	0649	0703	0751	3	5	1	2	1			0645	M6.4	9087
19	0923	0927	0950	2	5		1	1			0941		9087
19	1150	1157	1157D	1-	1			1			No flare		
19	1200	1215	1230	1-	1			1			No flare		
19	1340	1348	1405	1-	1			1			1341		9087
19	1608	1614	1614D	1-	5			1		1	1607	C3.4	9077
19	1631	1636	1700	1-	5			1		1	1630	C3.5	9087
19	1836	1841	1841D	1-	5			1		1	1834	C5.8	9097
20	0740	0816	0920	2	1		1				0816		9087
20	0920	0950U	1420	2	1		1				0921	M3.6	9087
20	0936	0951	1101	2	5	1		1		1	0921	M3.6	9087
20	1225	1230	1245	1-	1			1			1225		9085
20	1300	1305	1305D	1-	1			1			No flare		
20	1320	1329	1403	2+	5	1		2		2	1316	C7.0	9087
20	1456	1501	1501D	1-	5			1		2	1454	C5.1	9090
20	1546	1552	1612	1+	5		1	2		2	1543	C7.0	9087
20	1609	1615	1630	1-	1			1			1603		9090
20	1637	1640	1640D	1-	5			1		1	1636	C5.7	9090
20	1657	1700	1710	1-	1			1			1703E		9090
20	1744	1747	1810	1-	5			1		2	1744	C5.7	
20	1845	1851	1925	1-	5			1		2	1843	C5.7	
20	1932	1936	2000	1-	1			1			1930	C4.5	
20	2024	2027	2115	2	5			1		2	2022	M5.0	9087
20	2110	2140	2140D	1-	1			1			No flare		
20	2218	2241	2241D	1	1			1			2210	C3.5	9087
21	0521	0528	0602	1	1		1				0517	M1.7	9090
21	0708	0808U	0835	1	1		1				No flare		
21	0855	0902	0902D	2	5		2	1		1	0839	C6.3	9087
21	1009	1018	1018D	3	5	1	2	2		1	1005	M1.9	9090
21	1046	1054	1113	2	5		1	2		1	1033	M1.9	9087
21	1310	1350	1350D	1	5		1	2		1	1315		9090
21	1406	1411	1411D	2	5	1	1	2		3	1403	C9.5	9087
21	1434	1438	1524	3	5	1	2	2		3	1430	M5.5	9090
21	1452	1515	1515D	1-	1			1			1449		9090
21	1545	1600	1645	1-	1			1			1549		9095
21	1716	1721	1745	1-	1			1			1717		9087
21	1830	1840	2000	1-	5			1		2	1828	C6.9	9097
21	2025	2040	2131	1	5			1		2	2038	C9.0	9090
22	0656	0736U	0838	1	1		1				0652	M1.0	9090
22	0905	0912	0929	2-	5	1	2	1			0901	C6.0	9097
22	1108	1114	1114D	1-	1			1			1109		9090
22	1120	1129	1232	3	5	1	2	2		4	1117	M3.7	9085
22	1320	1350	1350D	1+	1			1			1315		9087
22	1405	1425	1515	1	5			2		1	1409E		9087
22	1449	1456	1456D	1-	1			1			1447		9095
22	1514	1522	1522D	1-	1			1			1516		9090
22	1539	1547	1547D	1-	1			1			1532		9097
22	1650	1656	1730	1-	5			1		3	1648	C6.3	9095
22	1830	1855	1945	1-	1			1			1845		9087
23	0918	0929	0929D	2	5	1		1		1	0913	C4.5	9087
23	0957	1003	1029	3-	5	1	1	1		1	0951	M1.5	9087
23	1316	1331	1350	1	5	1		3		2	1317		9087
23	1404	1409	1417	3	5	1		2		4	1359	M1.1	9087
23	1747	1752	1830	2	1					1	1748	C6.0	9087
23	1751	1802	1900	1	5			1		2	1748	C6.0	9087
24	0940	1006	1029	1+	1		1				No flare		
24	1018	1035	1157	1	1		1				No flare		

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SUDDEN IONOSPHERIC DISTURBANCES

JULY 2000

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type SWF	SEA	SPA	LF-SPA	SES	Flare (UT)	X-ray Class	NOAA Region
25	0450	0457	0524	1	1		1				0440	M3.7	9087
25	0904	1000	1016	1	1		1				*		
25	1239	1245	1327	3-	5	1		1		2	1233	C6.2	9090
25	1300	1311	1342	1	1		1				No flare		
25	1620	1627	1649	1+	5	1	2	1		3	1616	C4.5	9097
25	1843	1846	2007	2+	3					3	1841	M1.2	9097
25	2149	2153	2223	2	1					1	2143	C4.4	9090
26	0358	0416	0450	1	1		1				0347	C8.9	9090
26	0741	0746	0755	3	5	1	2	1			0737	M1.3	
26	1614	1615	1638	1	3					2	1612	C4.4	9090
26	1634	1638	1700	1	1					1	1643E		9090
26	1751	1754	1826	2-	3					2	1750	C5.4	9097
26	1755	1820	1930	1	5			1		1	1750	C5.4	9097
26	1845	1847	1915	1+	1					1	1841	C2.6	
26	1936	1939	2004	1+	3					3	1935	C3.6	
27	0910	0915	0925	1-	1					1	0911	C4.1	9090
27	1015	1025	1035	1	1					1	1017	C2.4	
27	1018	1045	1146	1	1		1				1017	C2.4	
27	1228	1247	1348	1	1		1				1237	C2.7	9090
27	1433	1441	1519	2-	5		1			4	1432	C3.7	9090
27	1648	1652	1704	3-	5	1	2	1		4	1643	M1.5	
28	1538	1544	1610	1+	1					1	No flare		
28	1623	1633	1652	1-	5		1			1	1631	C1.7	
28	1907	1909	1930	1	1					1	No flare		
28	2230	2245	2330	2+	1					1	No flare		
30	1204	1214	1246	2	5	1	2	1		3	1159	C7.8	
30	1308	1315	1400	2+	1					1	1304	C4.2	9105

* = no flare patrol.

OBSERVATORIES REPORTING FOR JULY 2000

Brazilian Antarctic Station	SPA	Panska Ves, Czech Republic	SES, SEA, SWF
Cambridge, England, UK	SES	Parma, Ohio, USA	SES
Hudson, Ohio, USA	SES	Rimavska Sobota, Slovakia	SEA
Itapetinga, Brazil	SPA	Upice, Czech Republic	SEA
Marlboro, Massachusetts, USA	SES	Zilina, Slovakia	SEA
Nerja, Spain	SES		

Observations are not necessarily continuous.