

SUDDEN IONOSPHERIC DISTURBANCES

117
Sep 00

SEPTEMBER 2000

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	1433	1452	1600	1	1		1				No flare		
01	1808	1818	1900	2+	1					1	1805	C9.1	9140
02	1700	1725	1758	1	1		1				*		
03	2245	2251	2311	1	1					1	2240	C3.7	
04	0650	0704U	0741	1	1		1				0649	C1.5	9154
04	1416	1419	1450	2-	3					2	1414	C2.2	9154
04	1453	1456	1525	2-	3					3	1450	C2.9	9149
04	1635	1637	1658	1	3					3	1633	C2.7	9149
04	1747	1749	1814	1+	3					3	1745	C3.3	9149
04	1904	1909	1943	2	3					3	1901	C4.1	
04	1954	1956	2025	1+	3					2	1950	C3.3	
04	2133	2135	2157	1	3					2	2129	C4.9	9154
05	0705	0708	0730	1	1					1	0709		9149
05	0815	0820	0830	1-	1					1	0815	C2.2	9154
05	1010	1014	1030	1	1					1	1010	C2.7	
05	1906	1915	1940	2-	1					1	1900	C2.6	9149
06	1517	1527	1600	2	1					1	1459	C2.2	9154
07	1112	1243U	1622	1	1		1				1054	C4.4	9151
07	1855	1859	1920	1	3					2	1851	C1.6	9149
07	1959	2001	2026	1+	3					2	1957	C2.2	
07	2035	2041	2150	2+	3					2	2032	C7.2	9151
09	0733	0752	0830	2	1		1				*		
09	0835	0846	0922	3	5	1	2	1		3	0828	M1.6	9151
09	0940	0950	1020	1	1		1				*		
09	1704	1718	1746	2	1		1				1704	C1.1	
11	0916	0920	0930	1-	1					1	0914	C2.0	9154
12	0907	0919	0955	2	5	1	2	1		1	0855	C4.6	
12	1143	1200	1227	1	5	1		1		1	1131	M1.0	
13	1334	1349U	1408	1	1		1				No flare		
13	1421	1429	1503	2-	5		1			3	1419	C2.2	
14	1351	1354	1436	2	3					4	1349	C2.2	
14	1445	1446	1500U	1-	1					1	1443	C2.1	9166
14	1924	1931	2032	2+	3					3	1924	C3.6	
14	2113	2115	2130	1-	1					1	2111		9166
15	0658	0713	0747	1	1		1				0717	C1.8	
15	0954	1000	1008	2	5	1	2	1		1	0949	C5.8	9165
15	1057	1106	1144	3-	5	1	2	1		1	1051	C9.5	9165
15	1436	1440	1447	3-	5	1	2	1		6	1429	M2.0	9165
15	1614	1619	1636	1-	5		1			1	1601	C2.5	
15	1634	1702	1808	3-	3					2	1632	C8.7	9165
15	1828	1831	1910	2-	3					4	1829	C6.1	9166
15	2050	2053	2135	2-	3					4	2052	C7.4	9165
15	2232	2236	2313	2-	3					2	2231	C3.1	
16	1028	1039	1114	1	1		1				1022	C2.4	
16	1246	1258	1330	1	1		1				1307	C2.2	9165
16	1425	1433	1445	3	5	1	2	1		4	1416	M3.3	9165
16	2014	2016	2045	1+	3					2	2013	C2.7	9165
16	2130	2143	2218	2+	1					1	2137		9165
17	0527	0534	0555	1+	1					1	0531	C3.1	9165
17	0635	0640	0715	2	1					1	0633	C5.4	9167
17	1224	1231	1306	2	5	1	2	1		3	1217	C4.7	
17	1230	1255	1350	3	1		1				No flare		
17	1632	1636	1652	1-	3					2	1632	C2.2	9165

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						SWF	SEA	SPA	LF-SPA	SES				
17	1745	1749	1807	1	1						1	1748	C1.6	
17	2058	2102	2129U	1+	1						1	2055	C3.4	9167
18	1441	1445	1500	1	1						1	1444		9166
19	0330	0333	0340	1-	1						1	0328	C4.9	9166
19	0513	0515	0530	1-	1						1	0513	C2.9	
19	0626	0630	0645	1	1						1	No flare		
19	0658	0703	0720	1	1						1	0647		9169
19	0813	0822	0918	3	5	1	2	1			4	0806	M5.1	9165
19	1431	1435	1507	2	1						1	1431	C2.0	9169
20	1154	1256U	1344	2	1		1					1151	C3.4	9169
21	0347	0353	0415	1+	1						1	0345	C2.9	
21	0910	0925	1000	2+	1						1	0908	C4.1	
21	1357	1402	1430	2	1						1	1344	C2.5	
21	1600	1612	1645	2	1						1	1557	C2.9	
22	1304	1312	1341	2	5	1	2	1			3	1258	C5.5	9169
22	1608	1614	1644	2-	3						2	1606	C3.6	9169
22	1857	1902	1930	2	3						2	1856	C4.4	9169
22	2101	2108	2125	1+	3						2	2057	C5.3	9169
22	2345	2349	2415	1+	1						1	2342	C8.5	
23	0230	0232	0243	1-	1						1	0228	C5.6	9169
23	0551	0555	0615	1	1						1	0548	C2.7	9167
23	0710	0716	0751	2	3		1				1	0708	C5.4	9169
23	1842	1849	1945	2	3						3	1844	C3.8	
23	1952	1956	2012D	1	1						1	1952	C1.9	
23	2012	2015	2035	1	1						1	2011	C2.7	
23	2035	2041	2115	2	1						1	2036	C2.6	9166
23	2137	2145	2200	1	1						1	2135	C8.6	9169
23	2152	2158	2222	1+	1						1	2158E		9169
24	0330	0337	0425	2+	1						1	0328	M4.3	9166
24	1405	1409	1452	2	3						3	1402	C3.6	9166
24	1834	1837	1853	1-	3						2	1831	C2.4	
25	1425	1432	1513	1	1		1					1423		9173
26	1233	1242	1306	2	5	1	1	1			2	1228	C4.3	9173
26	1955	2001	2033	2-	3						4	1949	C8.2	
26	2143	2147	2230	2+	1						1	2140	C6.7	9173
27	0308	0312	0330	1	1						1	0305	C9.6	9167
27	1514	1516	1535	1	1						1	1513	C2.4	9169
27	1557	1559	1615	1-	1						1	1554	C2.1	9169
27	1711	1713	1730	1	1						1	1707	C2.6	
27	1910	1913	1937	1+	3						2	1914	C3.6	9169
28	0658	0712	0758	1	1		1					No flare		
28	0820	0826	0911	1	1		1					No flare		
28	0934	0941	1000	1	1		1					No flare		
28	2246	2251	2345	2+	1						1	2244	C4.7	9173
29	0007	0009	0107	2+	1						1	No flare		
29	0654	0700	0731	1+	3		1				2	0651	C5.9	9173
29	1306	1316	1349	1+	5		1				3	1305	C4.5	
29	1642	1647	1707	1	3						2	1640	C1.9	9173
29	2047	2050	2115	1+	1						1	2046	C2.8	9173
30	0434	0435	0500	1	1						1	0429	C4.7	9173
30	0901	0905	0905D	1	5	1	2	1			1	0855	C5.7	9173
30	0956	1005	1022	1-	3		1				1	0956	C3.7	9178
30	1607	1613	1647	2	3						2	1611	C3.6	9178

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						SWF	SEA	SPA	LF- SPA	SES			
30	1737	1749	1907	3-	1					1	1738	M1.0	9178
30	1856	1904	1926D	1+	1					1	No flare		
30	1926	1930	1945	1	1					1	1931		9178
30	1948	1950	2009	1	1					1	1950		9169
30	2009	2014	2037	1+	1					1	2008	M1.8	9178
30	2037	2043	2116	2	1					1	1038	C9.9	9178
30	2315	2320	0005	2	5					2	2313	X1.2	9169

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OBSERVATORIES REPORTING FOR SEPTEMBER 2000

Cambridge, England, UK	SES	Parma, Ohio, USA	SES
Edenvale, Rep of S. Africa	SES	Rimavska Sobota, Slovakia	SEA
Houston, Texas, USA	SES	Sofia, Bulgaria	SES
Hudson, Ohio, USA	SES	Upice, Czech Republic	SEA
Marlboro, Massachusetts, USA	SES	Ziar nad Hronom, Slovakia	SEA
Nerja, Spain	SES	Zilina, Slovakia	SEA
Panska Ves, Czech Republic	SES, SEA, SWF		

Observations are not necessarily continuous.