

SUDDEN IONOSPHERIC DISTURBANCES

93  
Oct 04

OCTOBER 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				
04	1310	1327	1417	2-	5		1				2	1303	C2.6	
06	1657	1705	1720	1	1			1				*		
06	1826	1836	1910	2	1						1	1819	C2.5	
08	1044	1107	1117	1	1			1				No flare		
09	1052	1115	1131	2	1						1	1047	B8.2	10680
09	1547	1555	1623	2	1						1	1546	B8.0	10680
09	1910	1915	1933	1	1						1	1907	C1.1	10680
09	2037	2046	2113	2	1						1	2032	C1.2	10680
10	0643	0654	0807	2-	1						1	0641	B8.7	10680
10	1549	1605	1615	1	1			1				No flare		
12	0545	0551	0626	2	1			1				No flare		
12	0842	0905	0922	2	1			1				No flare		
12	1013	1027U	1118	2	1			1				*		
13	0911	0939	1113	1	1			1				No flare		
13	1120	1131	1151	1	1			1				No flare		
13	1233	1255	1327	2	1			1				No flare		
14	0615	0621	0644	1	1			1				No flare		
14	0834	0841	0857	1	1			1				No flare		
14	1218	1241	1257	1	1			1				*		
14	1308	1313	1336D	1	1			1				No flare		
14	1336	1345	1427	1	1			1				No flare		
15	0852	0913	0920	2	1			1				0908	B1.8	
15	1344	1349	1508	1	1			1				No flare		
16	1802	1803	1813	1-	1						1	*		
18	1135	1142	1146	1-	1						1	1134	B2.2	
18	1601	1606	1612	1-	1						1	1602	B2.9	
19	1424	1429	1450	1+	5						4	1419	C1.9	10682
20	0212	0215	0233	1-	1						1	0209	C4.5	10682
20	1047	1058	1122	3-	5		1	2	1		6	1043	M2.6	10687
20	1234	1239	1240	1-	1						1	1231	B3.6	10682
21	0652	0656	0741	1+	1						1	0644	C5.2	10687
21	1431	1445	1504	1+	3						2	1427	C1.7	10682
21	1513	1522	1549	2-	5						10	1512	C4.3	10682
21	1926	1948	2036	2+	3						5	1924	C9.9	10687
22	0802	0811	0849	2-	5			1			7	0752	M2.1	10687
22	2212	2215	2249	2	3						2	2209	C5.1	10687
23	0400	0402	0426	1+	1						1	0357	C1.8	
23	0723	0726	0739	1	3						2	0720	C3.2	10682
23	0810	0814	0831	1-	1						1	0808	C1.3	10682
23	1630	1650	1750	2+	5						8	1622	C9.9	10687
23	1919	1922	2000	2-	3						6	1916	C8.0	10687
24	0703	0711	0745	2-	3						4	0656	C2.6	10691
24	1824	1826	1853	1+	3						2	1821	C2.1	10682
24	2020	2026	2137	2+	3						4	2017	M2.3	10687
24	2147E	2153	2246	2+	1						1	2144	C5.5	10682
25	0712	0716	0728	1-	5						3	0711	C2.4	10687
25	1000	1004	1004U	2	5			1	1		2	0957	C2.3	10687
25	1022	1032	1058	1+	5		1	2			5	1015	C6.8	10687
25	1413	1421	1434	1	3			1			1	1402	C2.1	10687

\* = no flare patrol.

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						SWF	SEA	SPA	LF-SPA	SES			
25	1432	1445	1509	2-	3		1			2	1429	C4.4	10687
25	2203	2214	2253	2+	1					1	2142	C2.3	10687
26	1502	1507	1527	1	5					6	1500	C2.2	10687
28	0313	0317	0339	1+	1					1	0306	C3.2	10693
28	0351	0354	0412	1	1					1	0349	C1.7	10693
28	0421	0427	0454	2	1					1	0417	C2.2	10693
28	0606	0609	0636	1+	3					2	0602	C3.8	10693
28	1238	1244	1255	2	5	1	1	1		1	1242	C1.9	10693
29	0925	0957	1020	1+	1		1				No flare		
29	1241	1245	1259	1-	5		1			2	1240	C1.4	10693
29	1432	1437	1452	1-	5		1			6	1430	C2.4	10693
29	1630	1633	1650	1-	5					7	1626	C2.8	10693
29	1921	1925	1940	1-	3					3	1919	C3.4	10693
29	2356	2401	2429	2	1					1	2353	C3.1	10691
30	0044	0049	0113	1+	1					1	0039	C9.7	10691
30	0331	0335	0405	2-	3					2	0323	M3.3	10691
30	0415	0417	0436	1	1					1	0411	C1.2	
30	0455	0459	0520	1	1					1	0451	B9.2	
30	0554	0557	0611	1-	1					1	0550	C1.1	
30	0614	0619	0649	2-	3					2	0608	M4.2	10691
30	0700	0703	0726	1+	3					2	0655	C5.5	10691
30	0858	0900	0913	1-	1					1	0853	C1.6	
30	0926	0934	0934U	3-	5	1	1	1		7	0909	M3.7	10691
30	1029	1031	1051	2+	5	1	2	1		8	1020	C7.2	10691
30	1141	1145	1201	3	5	1	1	1		11	1138	X1.2	10691
30	1249	1255	1317	1	5			1		5	1245	C3.7	10687
30	1349	1353	1402	1-	5					6	1344	C1.5	
30	1400	1406	1423	1-	5			1		7	1359	C2.6	10691
30	1442	1448	1505	1	5					10	1441	C2.6	
30	1549	1554	1609	1-	3					3	1551	C1.4	
30	1621	1629	1717	2	5					11	1618	M5.9	10691
30	1636	1642	1713	2	1					1	1618	M5.9	10691
30	2154	2159	2229	2	3					2	2151	C2.4	10691
31	0222	0225	0244	1	5					2	0204	M1.1	10691
31	0527	0532	0619	2+	3					2	0523	M2.3	10691
31	0710	0718	0731	1	1					1	0711	C1.0	10693
31	1315	1322	1411	2	5					2	1311	C1.3	
31	1408	1414	1439	1	1			1			1420	B6.5	
31	1959	2000	2008	1-	1					1	1955	C1.5	10691
31	2117	2125	2209	1+	3					2	2108	C7.0	10691

\* = no flare patrol.

OBSERVATORIES REPORTING FOR OCTOBER 2004

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

Observations are not necessarily continuous.