

SUDDEN IONOSPHERIC DISTURBANCES

131
Oct 01

OCTOBER 2001

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	0727	0741	0828	1	1		1				No flare		
01	1405	1417	1447	1	5		1			2	1405	C7.5	9628
01	2339	2342	2430	2+	1					1	2340	M1.2	9632
02	0847	0857	0945	1	1		1				No flare		
02	0952	1007	1157	1	1		1				No flare		
02	1014	1017	1041	3	5	1	1	1		4	1012	M1.4	
02	1123	1130	1200	2-	3					3	1123	M1.0	9641
02	1204	1220	1300	2-	5		1			3	1201	C6.6	
02	1250	1257	1310	1-	3					4	1249	C4.0	
02	1540	1547	1617	2-	3					3	1538	C3.8	9634
02	1558	1604	1612	1-	1					1	No flare		
02	1650	1709	1745	2	1		1				1709	C4.7	
02	1710	1716	1836	3-	3					4	1709	C4.7	
03	0631	0641	0646	1-	1					1	0639	C6.1	9636
03	1231	1243	1312	1+	5		1			3	1231	C5.6	
03	1410	1413	1433	1	1						1407	C2.1	9645
03	1700	1705	1737	2	1					1	1648	C3.4	9634
03	1915	1923	2030	2+	1					1	1921	C2.6	9634
04	1200	1210	1227	1+	1					1	1153	C3.1	9634
04	1216	1229	1417	1+	5		1			1	1153	C3.1	9634
04	1423	1438	1451	1+	1					1	1413	C2.4	9644
04	1718	1735	1759	2	1					1	No flare		
05	0747	0811	0818	1+	1					1	0813	C2.5	
05	1125	1139	1237	1	1		1				1131	C1.9	9641
05	1145	1200	1222	2	1					1	1152	C2.0	
05	1527	1537	1545	1-	1					1	1526	C2.7	9636
06	1725	1730	1815	2+	1					1	1721	C3.6	9648
07	1109	1127	1249	2	5		1			1	1110	C1.9	
09	0726	0739	0823	2	5		1			1	0724	C7.0	9657
09	1049	1107	1116	2+	5	1	2	1		3	1046	M1.4	9653
09	1325	1350	1659	1	1		1				1403	C2.8	
09	1600	1602	1633D	1+	1					1	1606	C2.0	
10	0743	0811	0841	2	1		1				No flare		
10	0822	0826	0836	1-	3					2	0817	C3.4	9658
10	0926	0926	0946	1	1					1	0914	C1.7	9658
10	1021	1035	1116	2	1		1				No flare		
10	1047	1103	1129	2	3					2	1046	C2.1	9658
10	1254	1312	1506	1	1		1				No flare		
11	1116	1128	1256	1	1		1				1109	C2.6	
11	1741	1745	1805	1	1					1	1738	C2.1	9661
12	0910	0920	1005	1-	1					1	0918	C2.3	
12	1102	1123	1147	2	5		1			2	1053	C3.0	
12	1146	1203	1244	2	5		1			4	1145	C4.1	9661
14	1334	1337	1353	1	1					1	1334	C2.2	9661
14	1437	1441	1457D	1	1					1	No flare		
14	1453	1458	1511	1	3					4	1450	C3.0	
14	1524	1527	1536	1-	3					2	1522		9658
14	1547	1552	1608	1	3					4	1545	C2.6	9661
14	1651	1659	1745	2+	1					1	1652	C2.9	
14	1840	1845	1915	2	1					1	No flare		
14	2013	2020	2031	1-	3					2	2017	C4.0	
14	2039	2044	2146	2	3					2	2042	C8.0	
15	1626	1639	1702	2	1					1	1611	C3.7	9661
16	0926	0930	1155	2+	1					1	0923	C5.0	
16	1629	1635	1703	2-	5		1			2	1632	C2.8	

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

OCTOBER 2001

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			
16	1805	1816	1906	2	3					3	1809	C3.5	9661
16	1921	1925	2007	2-	3					4	1919	C6.0	9661
17	0716	0723	0737	1+	1					1	0714	C3.5	9661
17	1119	1126	1215	3	5	1	1	1		4	1116	M1.1	9658
17	1615	1620	1651	3-	3					2	1613	C3.9	9659
17	1716	1719	1755	2	1					1	1717	C2.5	9661
18	0832	0836	0904	1-	1					1	0831	C3.1	
18	0922	0932	1004	1	1					1	*		
18	1000	1006	1058	1	1		1				*		
18	1337	1345	1418	2	3					4	1346	C6.5	9658
18	1341	1354	1428	1+	5		1			2	1346	C6.5	9658
18	1415	1422	1445	1+	1					1	1405		9658
18	1605	1612	1648	2-	3					3	1606	C4.7	9661
18	1859	1905	1935	1+	3					5	1858	C8.5	9672
19	0642	0702	0719	2	1					1	0635	M1.3	
19	0938	0943	1024	3-	5	1	2	1		3	0935	M5.7	9658
19	1218	1229	1255	1+	5		1			5	1219	C7.8	
19	1338	1341	1358	1-	3					2	1336	C3.8	9658
19	1421	1436	1443	1	1					1	1436	C3.5	
19	1614	1624	1750	2+	5		1			7	1613	X1.6	9661
21	0755	0759	0814	1	1					1	0753	C2.7	
21	1121	1126	1211	3	5	1	2	1		5	1112	M2.5	9661
21	1302	1305	1325	1	1					1	1311	C2.5	9670
21	1423	1425	1451	1+	3					2	1425		9672
22	0953	0957	1033	1	5					2	0953	C4.3	
22	1000	1015	1025	1	1					1	No flare		
22	1140	1143	1151	2+	5	1	2	1		4	1136	C5.6	9672
22	1211	1217	1233	2	5	1	2	1		5	1205	C7.5	9669
22	1418	1432	1432	1	1		1				1416		9672
22	1430	1502	1604	2+	5		1			4	1427	M6.7	9672
22	1743	1751	1845	2+	1					1	1744	X1.2	9672
22	2057	2102	2145	2+	1					1	2057	C7.9	
23	1205	1211	1222	1-	5		1			2	1201	C4.4	
23	1227	1236	1257	2	5	1	2	1		2	1225	C6.7	9672
23	1505	1508	1600	2+	1					1	1505	C2.3	9672
24	0908	0933	1003	2+	1					1	No flare		
24	1410	1419	1445	1+	3					3	1405	C3.8	9669
24	1752	1803	1822D	1+	1					1	1754	C6.3	9678
25	1041	1049	1107	2-	5	1	2	1		2	1039	C6.3	
25	1214	1220	1235	1	1					1	1220	C4.3	9669
25	1447	1451	1507	3	5	1	2	1		8	1442	X1.3	9672
25	1915	1922	1957	2	3					2	1919	C7.5	9678
26	0917	0920	0930	2+	5		2	1		2	0915	C7.4	
26	1001	1007	1032	3-	5	1	2	1		3	0952	M1.6	
26	1433	1437	1500	2	5	1	2	1		6	1428	M2.0	9678
27	0807	0815	0911	1+	3		1			1	0805	C6.3	
27	0929	0932	0932U	1	1					1	0928	C4.3	
27	0958	1001	1009	1-	1					1	No flare		
27	1225	1228	1243	1-	1					1	1223	C3.6	
27	1309	1312	1332	2+	5	1	1	1		3	1306	C5.4	
27	1516	1525	1558	2-	3					2	1520	C7.2	
27	1630	1632	1715	2	1					1	1630	C3.8	9678
27	1842	1845	1909	1+	1					1	1841	C4.2	9672
28	0649	0659	0659U	2+	1					1	0648	C6.8	9682
28	0839	0848	0848U	2-	1					1	0838	C6.5	9682
28	0958	1002	1015	3-	5	1	1	1		2	0950	M1.5	

* = no flare patrol.

OCTOBER 2001

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			
28	1059	1105	1116	1-	1					1	1058	C6.3	
28	1646	1649	1728	2-	3					3	1645	M1.4	9682
29	0920	0929	1018	2-	1					1	0910		9682
29	1110	1113	1159	3-	5	1	1	1		5	1056	M3.6	9682
29	1334	1343	1420	1	1		1				1329	C6.7	9682
29	1926	1929	1946	1	1					1	1922	C5.0	
30	0834	0839	0839D	2+	5	1	2	1		1	0833		9682
30	1010	1018	1101	2-	5					2	1009	C6.6	9682
30	1111	1122	1242	2-	5		1			1	1109	C6.7	
30	1142	1147	1159	1-	1					1	1142	C4.4	
30	1216	1220	1233	1-	1					1	1216	C7.4	9682
30	1348	1357	1434	2	3					2	1351	C4.2	
30	1445	1453	1531	2	3					4	1447	C5.0	
30	1515	1517	1548	2	1					1	1516	C3.6	9682
30	1641	1655	1744	2	3					3	1647	C7.0	9682
30	1815	1845	1858D	2	1					1	1802	C9.2	
30	1858	1902	2022D	2+	1					1	1802	C9.2	
30	2022	2030	2130	2+	1					1	1802	C9.2	
31	0734	0738	0738U	1	1					1	0734	M3.2	9682
31	0805	0810	0810D	2+	5	1	2	1		3	0734	M3.2	9682
31	1043	1046	1104	3	5	1	2	1		3	1039	M1.5	
31	1557	1605	1647	2	3					6	1601	C5.6	9682
31	2059	2107	2132D	2	1					1	2102	M1.0	

* = no flare patrol.

OBSERVATORIES REPORTING FOR OCTOBER 2001

Bedford, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Bern, Switzerland	SES	Parma, Ohio, USA	SES
Brookline, Massachusetts, USA	SES	Sofia, Bulgaria	SES
Houston, Texas, USA	SES	Sussex, United Kingdom	SES
Isola del Gran Sasso, Italy	SES	Torrington, Connecticut, USA	SES
Marlboro, Massachusetts, USA	SES	Udine City, Italy	SES
Milan, Italy	SES	Upice, Czech Republic	SEA
Nerja, Spain	SES		

Observations are not necessarily continuous.