

SUDDEN IONOSPHERIC DISTURBANCES

APRIL 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			
01	0736	0746	0804	1	1		1				No flare		
01	0822	0848	0914	1	1		1				No flare		
01	1101	1118	1153	1	1		1				*		
01	1446	1452	1510	1	1		1				No flare		
01	1707	1713	1751	2	3					2	1704	C1.4	10582
02	0925	0943	1036	1	1		1				No flare		
04	1604	1627	1703	2-	5		1			4	1602	C3.0	10588
05	0543	0551	0627	1	5		1			1	0537	M1.7	10588
06	0534	0536	0559	1+	1					1	0532	C1.0	10588
06	1316	1325	1401	3	5	1	2	1		7	1230	M2.4	10588
07	1020	1143U	1159	1	1		1				*		
08	0144	0149	0203	1	1					1	0141	C1.2	
08	0943	1000	1000	1	1		1				0953	C7.4	10588
08	1005	1013	1035	2	5	1	1	1		3	0953	C7.4	10588
08	1303	1323	1413	2-	5		1			2	1305	C1.3	10588
08	1548	1610	1658	1	1		1				No flare		
10	1121	1123	1144	1	1		1				*		
11	0414	0419	0429	1-	1					1	0354	C9.6	10588
11	1412	1420	1456	1	1		1				*		
11	2305D	2309D	2325U	1	1					1	2300	C1.5	10588
12	0747	0754	0821	1	3		1			1	0739	C1.0	10588
12	1004	1020	1121	2	1		1				1011	B2.1	
12	1212	1240	1355	1	1		1				1222	C1.3	10588
12	1409	1427	1458	1	1		1				No flare		
14	0932	0940	1009	1	1		1				No flare		
14	1231	1240U	1305	1	1		1				1216	B3.9	10591
14	1359	1409	1519	1	1		1				1352	B9.1	10591
15	0819	0832	0846	1	1		1				No flare		
15	0909	0927	0948	1	1		1				0938	B3.3	10591
15	1640	1644	1728	2	5		1			8	1637	M1.2	10591
16	0810	0905U	0919U	1	1		1				0802	B2.3	10591
16	0929	0934	1022	1	1		1				*		
16	1440	1442	1502	1	1					1	No flare		
17	1138	1145	1205	1+	5	1				2	1134	C1.8	
17	1338	1346	1437	1+	1					1	*		
18	1407	1411	1433	1+	1					1	1416	B2.9	
18	1433	1520U	1558	1	1		1				1456	B2.7	
19	0030D	0034D	0041U	1-	1					1	0028	C3.3	10596
19	1319	1339	1433	1	1		1				No flare		
19	1435	1502	1611	1	1		1				No flare		
19	1826	1834	1933	2+	1					2	1820	C4.7	10596
20	1112	1121	1138	1	1		1				No flare		
20	1407	1424	1456	1	1		1				No flare		
21	0254	0304	0349	2+	1					1	0240	C2.1	10596
21	0736	0740	0817	1	1		1				No flare		
21	1300	1314	1342	1	1		1				No flare		
21	1348	1404	1438	1	1		1				No flare		
21	1448	1458	1529	1+	5		1			4	1450	B9.4	10596
21	1603	1617	1657	2-	5		1			5	1601	C1.8	10596

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

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APRIL 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				
22	0215	0221	0252	1+	5						3	0203	M1.2	10596
22	0729	0737	0810	1	1		1					No flare		
22	1407	1415	1447	2	1						1	1429		10597
22	1447	1451	1509	1	1						1	No flare		
23	0453	0456	0516	1	5						2	0450	C1.9	10597
23	0625	0655	0732	2+	1						1	0633	C1.8	10597
23	0745	0753	0807	2+	5	1	1	1			4	0743	C6.1	10597
23	0840	0859	0918	1	1			1				No flare		
23	0930	0933	1005	2	5	1	1	1			5	0925	C4.4	10597
23	1043	1049	1114	2	5	1	1	1			4	1039	C4.0	10597
23	1146	1153	1237	3	5	1	1	1			9	1141	M1.5	10597
23	1329	1348U	1456	1	1		1					No flare		
23	1434	1438	1445	1-	1						1	1434	C1.4	10597
23	1459	1525	1625	1	1		1					1500		10597
23	1559	1606	1644	2-	5						6	1558	C3.9	10597
23	1603	1612	1642	2-	5						4	1558	C3.9	10597
23	1723	1730	1812	2	3						7	1721	C4.8	10597
23	1902	1906	1932	1+	3						3	1903	C1.6	10597
23	2103	2109	2159	2	3						5	2102	M1.1	10597
23	2251	2256	2319	1+	1						2	2250	C2.5	10597
23	2334D	2338D	2350D	1-	1						1	2329	C2.9	10597
24	0205	0209	0225	1	1						1	0202	C2.9	10597
24	0546	0551	0606	1	1						1	0543	C1.5	10597
24	0858	0904	0943	2-	3						3	0856	C1.3	10597
24	1127	1146U	1508	1	1		1					*		
24	1253	1302	1323	1+	5						3	1251	C1.0	10597
24	1400	1406	1436	2	5	1		1			5	1357	C1.2	10597
24	1523	1528	1555	2-	5						4	1522	C2.6	10599
24	1605	1630	1651	2+	1						1	1625	B8.8	10599
24	1924D	1927D	1931U	1-	1						1	1922	C1.1	10599
25	0141	0146	0208	1+	5						5	0138	C9.0	10599
25	0531	0533	0547	2+	5	1	1	1			4	0502	M2.2	10599
25	0829	0844	0900	1	1			1				No flare		
25	1010	1020	1101	3-	5	1	1	1			3	1006	C5.0	10599
25	1413	1444	1531	2+	1						1	1416	C1.4	10599
25	1558	1615	1651	2	5		1				4	1556	C2.6	10599
26	0243	0251	0321	2	1						1	0229	C2.4	10599
27	0715	0722	0828	2-	3			1			1	0708	C3.1	10599
27	0911	1004U	1119	1	1			1				No flare		
27	1231	1306	1504	1	1			1				1357	B6.4	
28	0817	0828U	0914	1	1			1				No flare		
28	1426	1447	1624	1	1			1				No flare		
30	0543	0547	0600	1	3						2	0540	C1.7	
30	0946	1032U	1129	1	1			1				1109	B1.9	

* = no flare patrol.

OBSERVATORIES REPORTING FOR APRIL 2004

Alberta, Canada	SES	Nerja, Spain	SES
Bedford, Massachusetts, USA	SES	Palo Alto, California, USA	SES
Bern, Switzerland	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Brookline, Massachusetts, USA	SES	Perth, Australia	SES
Calcutta, India	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	Upice, Czech Republic	SEA
Isola del Gran Sasso, Italy	SES	Villiersdorp, South Africa	SES
Marlborough, Massachusetts, USA	SES		

Observations are not necessarily continuous.