

SUDDEN IONOSPHERIC DISTURBANCES
JANUARY 2003

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			
02	1100	1107	1136	1	1		1				No flare		
02	1138	1157	1224	1	1		1				No flare		
02	1250	1321	1443	1	1		1				1258	C1.5	
04	0856	0903	0933	2	1					1	0853	C1.9	10244
05	0554	0608	0706	2+	1					1	0551	C5.8	10243
05	0816	0830	0852	2	1		1				No flare		
05	0858	0909	0935	1	1		1				No flare		
05	1308	1319	1418	1	1		1				No flare		
05	1454	1504	1528	1	1		1				No flare		
06	0903	0910	0925	1	1		1				No flare		
06	0939	0944	1004	1	1					1	0937	C2.7	10244
06	1001	1006	1029	1	1		1				*		
07	0732	0745	0806	2+	3					2	0729	M1.0	10244
07	0827	0834	0910	2-	3					2	0828	C7.7	10242
07	0934	0938	0952	1	1					1	0932	C2.3	
07	2331	2339	2405	2	1					1	2325	M4.9	10251
08	0543	0553	0658	2+	1					1	0540	C6.2	10244
08	0721	0728	0758	2	1					1	0721	C3.4	10242
08	0844	0848	0902	1-	3					2	0844	C2.6	
08	1222	1233	1315	1	1		1				*		
08	1341	1352	1419	1	1		1				*		
08	1526	1532	1601	1+	3					2	1525	C2.5	
08	1625	1629	1634	1-	1					1	1621	C1.7	10242
08	1639	1653	1724	2	1					1	1704E		10242
09	0132	0138	0214	2	1					1	0127	C9.8	10242
09	0530	0541	0630	2+	1					1	0532	M1.0	10251
09	0750	0754	0819	1	3					2	0748	C2.6	
09	0854	0904	0929	2	1		1				0912		10242
09	1322	1326	1345	1	1		1				1319	C2.5	10251
09	1404	1417	1438	1	1		1				*		
09	1722	1728	1754	2-	3					2	1720	C2.4	10251
09	1833	1843	1921	2	3					2	1830	C4.3	10251
11	1020	1031	1117	1+	5		1			3	1022	C2.7	10244
11	1052	1056	1109	1-	1					1	1050	C3.0	
11	1602	1609	1646	2	3					2	1601	C2.3	10242
12	0702	0704	0724	1	1					1	0637	C2.2	
12	0730	0739	0809	2	1					1	0729	C3.7	
12	1416	1427	1451	1+	5		1			4	1412	C6.1	
13	0908	0927	0950	2	1		1				No flare		
13	1252	1308	1329	1	5		1			2	1257	C2.4	
13	1409	1413	1426	1-	5		1			1	1406	C3.1	
14	0622	0634	0739	2+	1					1	0620	C6.4	
14	0945	0948	1009	1	1					1	0942	C2.1	
14	1042	1045	1108	2+	5		1		1	1	1039	C2.5	
14	1158	1228U	1416	1	1		1				No flare		
14	1423	1438	1526	1	1		1				No flare		
15	0910	0925	1058	1	1		1				0907	C1.2	
16	0446	0450	0507	1	1					1	0442	C1.8	10258
16	1350	1400	1430	1	1		1				No flare		
17	1324	1333	1428	1	1		1				No flare		
19	1231	1243	1257	1	1		1				1249	B4.6	10260
19	1358	1402	1412	1-	1					1	*		
20	0707	0710	0802	1+	1					1	0704	C4.3	10260

* = no flare patrol.

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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			
21	0225	0229	0246	1	1					1	0223	C8.1	
21	0551	0558	0634	2	1					1	0550	C4.1	10260
21	0810	0827	0843	1	1		1				0757	C2.9	
21	0922	0928	0935	1-	1					1	0920	C1.8	
21	1307	1311	1331	1-	1					1	1246	C3.0	10260
21	1503	1520	1636	2+	5		1			5	1459	M1.9	
22	0439	0445	0528	2+	1					1	0435	M1.2	10260
22	0805	0906	0938	1	1		1				No flare		
23	0436	0442	0511	1+	1					1	0442	M1.0	
23	1236	1241	1324	3	5	1	2	1		7	1228	M2.5	10266
23	1407	1416	1444	1	1		1				*		
24	0315	0329	0442	3	1					1	0312	M1.9	10266
24	0504	0508	0542	2	1					1	0459	C2.8	10266
24	0924	0944U	1100	1	1		1				No flare		
24	1516	1530	1537D	1	1					1	1517	C5.6	10266
24	1537	1550	1635	2	3					3	1517	C5.6	10266
25	1843	1854	1910	1+	3					2	1842	C4.4	10268
26	1032	1039	1056	1	1					1	1022	C2.6	10268
27	1232	1243	1301	1	1		1				*		
27	1424	1442	1525	1	1		1				No flare		
29	0938	0942	1000	1	1		1				*		
30	1206	1225	1252	1	1		1				1158	B5.5	
31	1105	1117	1153	1	1		1				No flare		
31	1232	1243	1303	1	1		1				No flare		

* = no flare patrol.

OBSERVATORIES REPORTING FOR JANUARY 2003

Alberta, Canada	SES	Milan, Italy	SES
Athens, Georgia, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Bedford, Massachusetts, USA	SES	Sofia, Bulgaria	SES
Bern, Switzerland	SES	Sussex, United Kingdom	SES
Brookline, Massachusetts, USA	SES	Torrington, Connecticut, USA	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Marlborough, Massachusetts, USA	SES	Villiersdorp, South Africa	SES

Observations are not necessarily continuous.