

SUDDEN IONOSPHERIC DISTURBANCES  
AUGUST 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			
01	0331	0337	0432	2+	1					1	0327	C4.5	
01	0706	0719	0739	3-	5	1	2	1			0706	C3.9	10424
01	0719	0735	0839	2	5		1			2	0706	C3.9	10424
01	0912	0938	0959	2+	1					1	0934	B6.7	10424
01	1044	1051	1112	1+	1					1	1042	B8.8	10424
01	1119	1136	1208	2	5					2	1110	C2.3	10424
01	1325	1342	1419	2	5					2	1321	C2.0	
02	0403	0414U	0528	1	1		1				No flare		
02	1726	1742	1753	1+	1					1	1727	C4.5	10424
02	1933	1937	2037	2+	1					1	1930	C5.9	10424
02	2352	2356	2400	1-	1					1	2341	M1.3	10424
03	0932	0939	1001	1+	3					2	0931	C1.3	10424
03	1146	1211	1312	1	1		1				*		
03	1311	1319	1332	1	1					1	1308	B8.8	
03	1707	1715	1728	1	1		1				No flare		
04	1450	1507	1628	1	1		1				No flare		
05	0905	0920	0942	2	5	1	1	1		6	0907	C3.5	10421
05	1248	1252	1309	3	5	1	2	1		5	1243	M1.7	10424
06	0727	0737	0821	2	3		1			1	0721	B6.6	
06	1602	1619	1647	1	1		1				No flare		
07	1055	1103	1127	1	1		1				No flare		
07	1130	1147	1249	1	1		1				1149	C1.3	
08	1418	1436	1523	2-	5		1			3	1344	C2.3	
08	1707	1717U	1749	1	1		1				No flare		
10	1007	1009	1049	3-	5	1	1	1		5	1011	C3.5	10425
10	1112	1129	1149	2	1					1	1057	C2.1	10425
11	0945	0956	1015	1	1		1				No flare		
12	1004	1009	1042	2-	1					2	1005	C1.6	10431
12	1210	1229	1317	1	1		1				No flare		
12	1401	1459U	1525	1	1		1				No flare		
13	0828	0834	0851	1	3					2	0829	C2.0	10431
13	0937	0951	1008	2-	5	1	2	1		4	0937	C3.0	10431
13	1009	1014	1106	2+	1					1	No flare		
14	0617	0632	0704	2	3		1			2	0611	C6.8	10431
14	0940	0949	1030	2+	1					1	No flare		
15	0235	0247	0302	1+	1					1	0233	C3.1	
15	0625	0628	0637	1-	1					1	No flare		
15	0841	0852	0906	1	1					2	0839	C1.4	10431
15	1046	1049	1112	1+	1					1	1058	C1.5	10431
15	1122	1130	1141	1-	3		1			1	1123	C2.3	10431
15	1258	1310	1323	1-	3		1			1	1305	C2.3	10431
15	1339	1401	1426	1	1		1				No flare		
15	1531	1555	1655	1	1		1				No flare		
16	0432	0442	0501	1+	1					1	0438	C1.6	10431
16	0935	0948	1001	1+	1					1	0946	C1.4	10431
17	0420	0429	0457	2	1					1	0419	C2.1	10431
17	0841	0844	0904	1	3					2	0839	C1.9	10431
18	0902	0909	0931	1+	5					5	0859	C2.4	10431
18	1503	1514	1523	1	1					1	1500	C1.3	10431

\* = no flare patrol.

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101  
Aug 03

AUGUST 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			
19	0758	0801	0822	2+	5	1	2	1		4	0738	M2.0	10431
19	0851	0858	0919	1+	3					2	0846	C2.8	
19	0907	0914	0945	2	1					2	0906	C2.0	
19	0948	0958	1057	3	5	1	2	1		6	0945	M2.7	10431
20	0949	0954	1030D	2	1					1	No flare		
20	1538	1549	1620	1	1		1				No flare		
20	1831	1845	1941	2+	1					1	No flare		
21	1518	1520	1540	2	5	1	2	1		2	1515	C4.9	10431
21	1632	1645	1710	1	1		1				1624	B7.6	10431
21	1726	1736	1743	1-	3		1			1	1727	C1.4	10431
22	0758	0807	0836	1	1		1				No flare		
22	1439	1502	1620	1	1		1				No flare		
24	0413	0420	0438	1	1					1	0410	C1.2	10436
24	0627	0639	0729	1	1		1				No flare		
25	0243	0303	0335	2+	1					1	0230	C3.6	10442
25	0820	0853U	0928	1	1		1				No flare		
26	1207	1221	1232	1	1					1	1208	B9.0	10442
26	1551	1603	1638	2-	5		1			2	1549	C4.6	10436
27	0500	0513	0536	2	1					1	0456	C1.9	10436
28	0747	0755	0852	2	1		1				*		
28	1043	1057	1218	1	1		1				No flare		
28	1327	1337	1344	1-	1					1	1324	C1.3	

\* = no flare patrol.

OBSERVATORIES REPORTING FOR AUGUST 2003

Athens, Greece	SES	Perth, Australia	SES
Bern, Switzerland	SES	Sofia, Bulgaria	SES
Brookline, Massachusetts, USA	SES	Sussex, United Kingdom	SES
Calcutta, India	SES	Udine City, Italy	SES
Houston, Texas, USA	SES	Upice, Czech Republic	SEA
Isola del Gran Sasso, Italy	SES	Villiersdorp, South Africa	SES
Panska Ves, Czech Republic	SES, SEA, SWF		

Observations are not necessarily continuous.