

Feb 03

**SUDDEN IONOSPHERIC DISTURBANCES
FEBRUARY 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	0608	0615	0640	2-	3						2	0605	C2.6	10276
01	0741	0744	0750	1-	1						1	0740	B8.1	10276
01	0856	0859	0941	3-	5	1	2	1			4	0848	M1.2	10276
01	1137	1148	1207	1+	3						2	1133	C2.7	10276
01	1331	1343	1428	1	1			1				*		
02	0542	0543	0553	1-	1						1	0533	C1.4	10276
02	0635	0637	0641	1-	1						1	0634	C1.1	10276
02	0852	0902	0943	1	3			1			1	0853	C1.4	
02	1352	1403	1432	1	1			1				*		
03	0456	0458	0504	1-	1						1	0451	C1.0	10276
03	0851	0905	0931	1	1			1				No flares		
03	1204	1224	1239	1	1			1				1209	B7.0	10276
04	1203	1214U	1224	1	1			1				1212	B8.3	10277
06	0332	0348	0518	3	3						2	0330	M1.2	
06	1004	1013U	1026	1	1						1	1001	C1.5	10287
06	1337	1353	1443	1	1			1				No flares		
07	1011	1019	1107	1	1			1				No flares		
07	1236	1247	1302D	1	1			1				No flares		
07	1302	1311	1406	1	1			1				*		
07	1426	1445	1530	1	1			1				*		
10	0950	0957	1013	1	1			1				*		
11	1721	1731	1750	1+	3						2	1718	C2.3	10280
12	0540	0545	0615	2	3						2	0536	C2.4	10282
12	1335	1343U	1417	1	1			1				1354	B7.7	10282
12	1605	1612	1628	1	3						2	1601	C2.9	10280
14	0204	0211	0250	2+	1						1	0202	C5.0	10284
14	0518	0526	0553	2-	3						2	0518	C5.2	10284
14	0628	0636	0651	1	1						1	0628	C1.7	10282
14	0840	0849	0906	1	1			1				0837	C1.4	10284
14	0910	0921	0939	3	5	1	2	1			6	0907	M1.2	10284
15	0742	0803	0909	2+	3			1			1	0727	C4.5	10276
15	0818	0847	1000	3	1						1	0727	C4.5	10276
15	1132	1139U	1204	1	1			1				No flare		
15	1359	1404	1422	1	1						1	1356	C1.4	10282
16	1234	1327U	1403	1	1			1				1320	B9.5	
16	1420	1428	1448	1	1			1				*		
16	1454	1503	1525	1	1			1				No flares		
17	1726	1729	1757	1+	1						1	1721	C1.9	
19	0830	0858U	1111	1	1			1				0933	B3.6	
19	1436	1442	1505	1-	5			1			1	1430	C1.8	10290
20	1033	1110	1317	1	1			1				1046	B4.6	
20	1731	1732	1740	1-	1						1	1728	C1.3	
21	0505	0508	0527	1	1						1	0502	C1.6	10290
21	0606	0611	0639	2	1						1	0546	C1.8	10289
21	0707	0715	0737	1+	3						3	0707	C2.1	
21	1435	1438	1505	1+	1						1	No flares		
21	1509	1514	1527	2	5			2	1		5	1508	C3.7	10290
21	1720	1725	1822	2+	1						1	*		
21	1947	1950	1958	1-	1						1	1946	C4.3	
22	0506	0511	0537	1+	3						2	0504	C4.7	10290
22	0927	0930	0955	1+	3						3	0924	C5.8	10290
22	1032	1042	1054	1-	3			1			1	1032	C2.1	10290

* = no flare patrol.

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						SWF	SEA	SPA	LF- SPA	SES			
23	1443	1452	1537	1	1		1				No flares		
25	1112	1130	1157	1	1		1				No flares		
27	0838	0848	0913	1	1		1				*		
27	1458	1510	1542	1	1		1				No flares		
28	0627	0630	0650	1	1					1	0620	C1.7	

* = no flare patrol.

OBSERVATORIES REPORTING FOR FEBRUARY 2003

Athens, Greece	SES	Marlborough, Massachusetts, USA	SES
Bedford, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Bern, Switzerland	SES	Sofia, Bulgaria	SES
Calcutta, India	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

Observations are not necessarily continuous.