

SUDDEN IONOSPHERIC DISTURBANCES

JULY 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	1054	1109	1138	1	1						No flare		
01	1925	1930	1950	1	1		1				1927	C1.4	
03	1014	1033	1108	1	1		1				No flare		
05	0537	0543	0738	1	1		1				No flare		
08	1138	1143	1221	2	5	1	1	1		2	1134	C2.5	
08	1341	1350	1418	2-	1					1	1331	C1.2	
08	1418	1422	1445	1+	1					1	1434	B6.7	9531
08	1610	1617	1652	2-	3					4	1606	C3.4	9531
08	2031	2037	2112	2	3					2	2026	C1.3	
09	0519	0556U	0646	1	1		1				0538	C3.1	
09	0740	0745	0750	2+	1					1	0734	B9.6	9531
11	1654	1708	1746	2+	3					2	1703	C2.4	
11	1703	1722	1754	1	1		1				1703	C2.4	
14	1745	1753	1815	1+	1					1	1747	C1.4	9539
14	1810	1812	1815	1-	1					1	No flare		
14	2129	2134	2223	2	3					4	2126	M1.0	9539
15	0645	0653	0710	3-	5	1	1	1		1	0642	C6.9	9539
15	1401	1410	1443	2-	3					3	1357	C2.4	9539
16	0851	0914	0945	1	1		1				0846	C2.2	9539
16	0955	1011U	1033	1	1		1				No flare		
18	2134	2138	2230	2+	1					1	2135	C5.4	9546
19	0926	0957	0957	1	1		1				0952	M1.8	9537
19	0956	1008	1110	3	5	1	2	1		2	0952	M1.8	9537
19	1537	1546	1610	1	1		1				No flare		
21	0859	0911	1025	1	1		1				0903	C1.0	9543
21	1318	1323	1357	1	1		1				1331	B6.9	
28	1314	1319	1415	2+	1					1	1341	C7.8	
28	1344	1355	1422	3	5	1	2	1		7	1341	C7.8	
30	0830	0836	0847	2	5		2	1		2	0820	C4.5	
30	2041	2045	2130	2	3					2	2036	C6.0	
31	1202	1211	1237	2	3					2	1155	C1.8	9561
31	1717	1723	1753	2-	3					3	1707	C2.6	9561

* = no flare patrol.

OBSERVATORIES REPORTING FOR JULY 2001

Bern, Switzerland	SES	Milan, Italy	SES
Brookline, Massachusetts, USA	SES	Nerja, Spain	SES
Cambridge, England, UK	SES	New Milford, New York, USA	SES
Houston, Texas, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Hudson, Ohio, USA	SES	Sussex, United Kingdom	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Marlboro, Massachusetts, USA	SES		

Observations are not necessarily continuous.