

SUDDEN IONOSPHERIC DISTURBANCES

105
Jul 03

JULY 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	0704	0714	0805	2-	5		1			2	0706	M3.0	10397
02	0711	0730	0753	3	5	1	2	1		3	0706	M3.0	10397
02	1210	1216	1233	1	1		1				1202	C1.3	
02	1352	1412	1540	1	1		1				No flare		
02	2212	2218	2300	2+	1					1	2206	C5.4	10400
03	0555	0607	0710	1+	3		1			2	0551	C3.8	10397
03	1454	1502	1530	2-	5					2	1449	C3.3	10400
03	1536	1543	1603	1-	1					1	No flare		
04	0524	0530U	0558	1	1		1				0539		10397
04	0541	0557	0723	3	1					1	0602	C1.4	10397
04	0836	0856	0927	1	1		1				*		
04	1441	1445	1516	2	5	1	1	1		6	1435	C7.1	10400
05	0910	0924	1006	1+	3		1			1	0907	C2.3	10397
05	1242	1258	1350	2	5		1	1		1	1236	C2.5	10397
05	1700	1708	1733	1+	1					1	1655	C3.9	10397
06	0705	0730	0805	1	1		1				No flare		
08	0724	0729	0745	2+	5		2	1		3	0721	C5.2	10402
08	1151	1217	1401	1	1		1				1150	B9.3	
08	1614	1639U	1658	1	1		1				1607	C3.2	10402
09	1445	1450	1548	2+	1					1	1439	C2.4	10402
09	1630	1637	1709D	2	1					1	1624	C5.8	10397
09	1634	1655	1750	1	1		1				1624	C5.8	10397
10	0625	0636	0700	1+	3					2	0630	C5.2	
10	0640	0646	0715	2	5	1	1	1		2	0630	C5.2	
10	0857	0919U	0936	1	1		1				0847	C1.3	10397
10	1358	1404	1438	3	5	1	2	1		5	1354	M3.6	10397
10	1620	1626U	1649	1	1		1				1625	C1.4	10397
12	0628	0633	0648	1	3					2	0626	C2.9	
12	0949	1000	1024	1-	5		1			3	0949	C1.9	
12	1318	1326	1341	1	1					1	1319	C1.4	
12	1424	1429	1436	1-	1					1	1424	C1.5	
12	1613	1619	1643	1+	5					4	1612	C2.9	
12	1901	1905	1947	2	1					1	1857	M1.4	
12	2042	2048	2118	2	1					1	2042	C4.6	
13	1218	1227	1251	1+	3					2	1215	C1.5	10409
14	0937	0942	0954	1	1		1				*		
14	1621	1639	1649	1	1		1				1616	B6.3	10409
15	0538	0639	0704	2	1		1				0546	B7.6	
17	0755	0800	0850	3+	1					1	No flare		
17	0819	0827	0927	3	5	1	2	1		6	0817	C9.8	10412
17	0911	0918	0922	1-	1					1	0858	C2.3	10410
17	1340	1358	1402	1	1					1	1338	B8.8	
17	1518	1527	1551	1	5		1			2	1521	C2.6	10410
17	1644	1653	1705	1	1					1	1649	C1.4	10410
18	0739	0806	0824	1	1		1				0735	C1.2	10410
19	0712	0740U	0841	1	1		1				No flare		
19	0928	0932	1003	1+	5					7	0928	C3.4	10410
19	1440	1451	1502	1	1					1	1442	C1.4	
20	0803	0812	0825	1	5					2	No flare		
20	0820	0824	0839	1	5					2	0819	C2.5	
20	0946	0956	1027	1+	5		1			5	0945	C2.4	
20	1200	1225	1244	1	5		1			2	1200	C2.1	

* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES

JULY 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			
20	1443	1453	1517	1+	5					2	1448	C3.7	10410
20	1552	1555	1603	1-	1					1	1549	C1.8	10410
20	1604	1608	1634	2-	5	1		1		2	1601	C5.6	10410
20	1642	1650	1658	1-	1					1	1641	C3.7	10410
21	1411	1417	1433	1	1					1	1411	C1.3	
22	0707	0718	0756	2-	5		1			4	0706	C5.2	10417
22	0817	0823	0912	2-	5					4	0816	C3.6	10417
23	0544	0556	0644	1+	3		1			2	0546	C3.9	10417
23	1130	1139	1207	1+	5					3	1128	C2.3	10417
23	1527	1533	1559	2-	5					2	1524	C2.2	10417
29	0131	0135	0210	2	1					1	0128	M1.3	10421
29	1339	1354	1416	1	1		1				No flare		
30	0406	0409	0503	1+	3					3	0404	M2.5	10422
30	0633	0640	0718	1	1		1				No flare		
30	0651	0656	0706	1-	1					1	0652	B9.5	10422
31	0700	0719	0731	1	1		1				No flare		
31	0757	0807	0856	1	1		1				0759	B3.0	10422

* = no flare patrol.

OBSERVATORIES REPORTING FOR JULY 2003

Athens, Greece	SES	Sofia, Bulgaria	SES
Bern, Switzerland	SES	Sussex, United Kingdom	SES
Edenvale, Rep of S. Africa	SES	Torrington, Connecticut, USA	SES
Houston, Texas, USA	SES	Udine City, Italy	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Nerja, Spain	SES	Villiersdorp, South Africa	SES
Panska Ves, Czech Republic	SES, SEA, SWF		

Observations are not necessarily continuous.