

SUDDEN IONOSPHERIC DISTURBANCES

JUNE 2004

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	0644	0720	0746	2-	5	1		1			No flare		
03	1351	1408	1427	1	1		1				No flare		
05	1229	1245U	1322	1	1		1				1238	B1.9	
05	1324	1331	1351	1	1		1				1332	B2.6	
06	1100	1208U	1245	1	1		1				1125	B1.7	10627
07	1309	1343	1351	1	1		1				*		
08	1834	1843	1909	2-	3					2	1841	B8.0	10621
11	1234	1247	1328	1	1		1				*		
11	1333	1350U	1450	1	1		1				No flare		
12	1838	1842	1914	2-	3					7	1837	C1.9	
12	1941	1944	2020	2-	3					6	1940	C1.1	
13	0435	0530	0752	1	1		1				0427	C4.1	10634
13	0919	0936	1123	2	1		1				No flare		
13	1135	1153	1207	3-	5	1	1	1		6	1127	M1.0	10634
14	0834	0851U	0934	1	1		1				0838	C1.5	10634
14	1451	1510	1547	1	1		1				No flare		
18	0709	0727U	0800	2	1		1				No flare		
18	0801	0819	0848	2	1		1				0815	B8.3	10634
18	0903	0914	0930	1	1		1				*		
18	1130	1206	1246	1	1		1				No flare		
18	1520	1547U	1623	1	1		1				1534	B4.6	10634
18	1622	1631	1659	1	1		1			1	1619	C1.8	10635
19	0708	0748	0804	1	1		1				No flare		
19	0810	0815	0825	1-	1					1	0808	C1.0	10635
19	0825	0830	0835	1-	1					1	0823	C2.4	
19	1015	1040	1050	2	1					1	1017	C1.2	10635
19	1110	1140	1150	2	1					1	1108	C1.0	10635
19	1931	1938	2032	2	3					2	1930	C3.0	10635
19	2137	2139	2150	1-	1					1	2133	C1.3	10635
20	1326	1329	1405	1+	3					3	1323	C2.0	10635
21	1432	1441	1548	1	1		1				No flare		
21	1708	1714	1747	2-	3					7	1709	C2.0	10635
22	1304	1321U	1341	1	1		1				No flare		
22	2157	2207	2231	2-	3					2	2148	C1.7	10635
23	0550	0607	0638	1	1		1				0549	C2.5	10635
24	0532	0605	0656	1	1		1				0552	C1.4	10635
24	0755	0803	0854	1	1		1				No flare		
25	1126	1134	1203	2	5	1		1		2	1118	C2.5	10635
26	0646	0721	0758	2+	5	1	1	1		1	0653	C8.6	10635
26	0838	0848	0902	1	1		1				No flare		
26	0917	0936	1004	1	1		1				*		
26	1018	1028	1136	1	1		1				1112	B8.7	10635
26	1142	1204	1259	1	1		1				1112	B8.7	10635
26	1404	1417	1439	1	1		1				*		

\* = no flare patrol.

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93  
Jun 04

JUNE 2004

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						SWF	SEA	SPA	LF- SPA	SES			
28	1009	1013	1038	3-	5	1	1	1		7	1003	C4.1	10618
27	1547	1559	1625	2	5	1	1	1		5	1544	C2.3	10635
27	1925	1932	2001	2-	3					3	1924	C1.6	
27	2010	2018	2107	2	3					6	2013	C2.5	10635
27	2232	2243	2305	2-	1					2	2229	C3.6	10635
28	1154	1204	1231	2	3					2	1154	C1.6	10635
28	1159	1214	1307	1	1		1				1154	C1.6	10635
28	1210	1253	1309	1	1	1					1154	C1.6	10635
28	1359	1408	1442	1	1		1				*		
28	1546	1550	1639	2+	1					1	1553	B4.2	10635
29	1113	1139U	1204	1	1		1				1102	B2.6	10639
29	1312	1322	1352	2-	5	1		1			1333	B1.1	
29	1602	1614	1627	1	1		1				*		
29	1721	1728	1750	1	1		1				*		
30	1431	1445	1458	2	5	1	1	1		2	1426	C1.3	10640

\* = no flare patrol.

OBSERVATORIES REPORTING FOR JUNE 2004

Alberta, Canada	SES	Nerja, Spain	SES
Athens, Greece	SES	Palo Alto, California, USA	SES
Bedford, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Brookline, Massachusetts, USA	SES	Sussex, United Kingdom	SES
Cambridge, England, UK	SES	Torrington, Connecticut, USA	SES
Houston, Texas, USA	SES	Tucson, Arizona, USA	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Marlborough, Massachusetts, USA	SES		

Observations are not necessarily continuous.