

SUDDEN IONOSPHERIC DISTURBANCES

JUNE 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	2116	2121	2146	1+	3					2	2116	C1.6	
02	0758	0820	0908	1	1		1				0815	C1.3	
02	2009	2014	2101D	2+	1					1	2006	B5.6	
03	2011	2017	2053	2	3					4	2004	C2.4	9484
03	2106	2123	2206	2	3					3	2059	C5.6	9488
04	0807	0819	0856	3	5	1	2	1		2	0803	M2.4	9488
04	1136	1200U	1232	1	1		1				No flare		
04	1513	1516	1542	1+	3					2	1510	C1.4	9488
04	1615	1630	1715	2+	1					1	1611	C3.2	9474
04	2239	2250	2329	2+	3					3	2234	M1.7	9484
05	0446	0500	0530	3	3		1			2	0441	M2.5	9488
05	0735	0746	0837	1	1		1				0756	B9.3	
05	1202	1208	1215	1-	1					1	1158	C1.6	
05	1337	1347	1420	1	1		1				No flare		
05	1420	1424	1448	2	5	1	2	1		8	1416	C9.4	9484
06	1724	1729	1750	1	3					5	1717	C3.0	9475
06	1913	1920	2003	2	3					5	1910	C4.7	9474
06	2122	2126	2147	1	3					2	2119	C3.3	9488
06	2151	2154	2220	1+	3					2	2119	C3.3	9488
07	1613	1616	1634	1-	3					3	1609	C2.5	9484
07	1909	1914	1943	2-	3					4	1905	C3.8	
07	2006	2011	2049	2	3					4	2003	C6.4	
08	1034	1044	1130	1	1		1				1111	C1.9	
08	1113	1118	1120	1-	1					1	1111	C1.9	
08	1313	1321	1351	1+	5		1			7	1310	C4.5	
08	1557	1604	1638	2-	5		1			7	1558	C7.2	9494
08	1921	1926	2022	2	3					7	1918	M1.0	9494
08	2045	2050	2104D	1	1					4	2044	C5.1	
08	2054	2100	2131	2-	3					5	2101	C4.4	
08	2249	2256	2313	1	3					3	2245	C6.5	
08	2313	2319	2357	2+	3					2	2312	C7.5	
09	1022	1031	1212	2-	1					1	1020	C2.9	
09	1915	1922	1953	2-	3					4	1910	C2.6	9494
09	2117	2122	2156	2-	3					4	2101	C3.3	9494
09	2148E	2152	2223	2	1					1	2101	C3.3	9494
10	0103	0109	0138	2	1					1	0057	C9.7	9494
10	0624	0627	0654	2+	5	1		1		1	0620	C8.7	
10	0713	0718	0818	1	1					1	0711	C4.2	
10	0856	0900	0915	3	5	1	1	1		2	0851	C6.3	9494
10	0929	0932	1054	1	1					1	0928	C4.4	
10	1108	1138	1200	1	1		1				1112	C2.2	9494
10	1239	1248	1322	2-	5					5	1241	C2.4	9494
10	1432	1503	1625	1	1		1				No flare		
10	1513	1518	1523	1-	1					1	1511	C1.4	
10	1545	1548	1606	1	5					4	1543	C2.5	9494
10	1947	1951	2023	2-	3					4	1944	C2.4	9487
10	2113	2120	2148	2	1					1	2111	C2.0	9487
11	0017	0021	0032	1-	1					1	0012	C2.3	9494
11	0543	0557	0632	1+	3		1			1	0533	C7.1	
11	1009	1013	1018	1-	1					1	1006	C1.6	
11	1034	1042	1048	1-	1					1	1034	C2.0	
11	1434	1447	1511	2-	5					3	1436	C2.0	9489
11	2020	2030	2048	1+	1					1	No flare		
11	2047	2052	2125	2-	3					3	2047	C4.3	9488
12	0717	0724	0740	2	5	1	2	1		3	0711	C6.7	9488
12	0856	0913	1006	1	3		1			1	0857	C3.2	

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						SWF	SEA	SPA	LF-SPA	SES			
12	1700	1703	1718	1-	1					1	1658	C2.9	9494
12	1741	1744	1812	1+	3					3	1739	C3.3	
12	1900	1910	1930	1+	1					1	1840	C2.5	
12	2052	2057	2112	1	1					1	2051	C2.8	
12	2126	2132	2157	2-	3					3	2118	C6.0	
13	0427	0439	0548	1+	3		1			1	0422	M2.0	9502
13	0828	0856	1000	1	1		1				0823	C3.7	9489
13	1129	1131	1210	2	5	1				1	1122	M7.8	9502
13	1135	1154	1319	3	5		2	1		8	1122	M7.8	9502
13	1625	1630	1652	2	5	1	2	1		7	1620	C9.1	9502
13	1845	1850	1920	2-	3					6	1843	C3.9	
13	1955	1959	2035	2-	3					6	1952	C7.6	9489
14	0939	0944	1003	2+	5	1		1		1	0933	C6.5	9489
14	1700	1707	1739	2-	5		1			7	1659	C4.4	9495
14	2007	2014	2044	2-	3					3	2004	C2.9	
15	0641	0657	0724	1	3		1			1	0634	C3.8	9502
15	0851	0857	0905	1-	1					1	0849	C2.6	
15	1006	1020	1128	3	5	1	2	1		6	1001	M6.3	9502
15	1028	1031	1031U	1-	1					1	No flare		
15	2011	2015	2044	2-	3					4	2007	C3.7	
15	2218	2226	2308	2	3					5	2214	C9.9	9506
16	1854	1910	1955	2+	3					4	1853	C3.9	9505
16	2006	2013	2101	2	3					5	2003	C5.1	9502
16	2236	2241	2320	2	3					2	2236	C3.4	
17	0542	0548	0556	1-	1					1	0520	C2.1	
17	0938	0943	1050	2+	1					1	No flare		
17	0959	1009	1114	1	3		1			1	0957	C2.6	
17	1347	1352	1406	1	5					3	1345	C1.6	
17	2227	2232	2300	2-	3					2	2226	C2.9	
18	1328	1330	1349	1	1					1	No flare		
18	2000	2009	2119	2+	3					4	1959	M2.0	9506
19	1819	1827	1849	1+	3					3	1819	C2.0	9504
19	2315	2320	2400U	3+	1					1	2310	C4.2	9501
20	1901	1907	1939	2-	3					2	1901	C2.3	9504
20	2037	2044	2109	1+	3					6	2036	C4.4	9503
20	2249	2300	2337	2	1					1	2244	C2.1	
21	1106	1117	1145	2	5	1	1	1		1	1102	C3.5	
21	1358	1406	1408	1-	1					1	1358	C1.4	
21	1600	1605	1624	1	3					3	1558	C2.3	9503
22	0925	0935	0953	1+	5	1	2	1		1	0921	C4.2	9503
22	1425	1434	1508	2-	5		1			7	1422	C4.5	9509
22	1723	1729	1748	1	3					2	1724	C2.6	9509
22	1825	1830	1902	2-	3					5	1822	C6.0	9511
22	2023	2028	2100	2-	3					6	2023	C5.5	9511
22	2118	2123	2206	2	3					6	2117	M1.7	9511
22	2217	2220	2235D	1-	1					1	2214	M6.2	9503
23	0407	0412	0617	3-	1					1	0402	X1.2	9511
23	0507	0511	0515	1-	1					1	0504	C6.2	9511
23	0625	0629	0702	2	5	1	1	1		4	0620	M1.3	9511
23	0627	0640	0720	2	1		1				0620	M1.3	9511
23	0832	0839	0850	1+	5	1	1	1		2	0830	C6.8	9511
23	1036	1041	1118	2-	5	1		1			No flare		
23	1430	1439	1510	2+	5	1	2	1		8	1425	C7.0	9511
23	1728	1730	1754	1+	3					2	1722	C3.6	9511

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						SWF	SEA	SPA	LF- SPA	SES			
24	0450	0458	0536	1	3					2	0446	C6.1	
24	0451	0520U	0546	1	1		1				0446	C6.1	
24	0654	0725	0945	1	1		1				0722	C3.1	9506
24	1528	1532	1603	2-	3					3	1524	C2.3	9503
26	1216	1255	1500	2+	5		1			2	1150	C7.1	
27	0601	0608	0658	1	1		1				No flare		

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OBSERVATORIES REPORTING FOR JUNE 2001

Bedford, Massachusetts, USA	SES	Nerja, Spain	SES
Brookline, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Houston, Texas, USA	SES	Sofia, Bulgaria	SES
Hudson, Ohio, USA	SES	Sussex, United Kingdom	SES
Isola del Gran Sasso, Italy	SES	Torrington, Connecticut, USA	SES
Koniz, Switzerland	SES	Tucson, Arizona, USA	SES
Marlboro, Massachusetts, USA	SES	Upice, Czech Republic	SEA

Observations are not necessarily continuous.