

DECEMBER 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	0652	0654	0732	2-	1					1	0647	M2.2	9718
01	1059	1106	1129	2	5		1	1			*		
01	1441	1445	1458	1-	5					4	1430	M1.2	9714
01	1504	1518	1625	2+	3					3	1500	M4.8	
01	1508	1553	1628	2+	1					1	1500	M4.8	
01	1655	1658	1727	2-	5					4	1653	M2.9	9714
01	1728	1732	1738	1-	1					1	1729	M1.5	9714
01	1743	1750	1846	2	3					4	1739	M1.8	9724
02	0810	0815	0835	1	1					1	0808	C4.8	
02	1422	1453	1634	3	5					4	1409	M1.3	9714
02	1526	1538	1732	3+	1					1	1532		9717
02	1845	1849	2000	2+	1					1	1849	C4.6	9715
02	2121	2133	2157	2-	1					2	2125	M2.0	9714
03	0710	0715	0730	1	1					1	0706	C7.0	9715
03	1052	1056	1111	2	5		1	1		2	1049	C3.4	9715
04	0543	0547	0612	1+	1					1	0537	M1.3	
04	0855	0859	0910	2	5					2	0855	C4.3	9718
06	0814	0820	0855	3-	5					2	0813	M1.0	9727
06	1853	1908	2052	3-	1					1	1848	C7.6	9720
07	0803	0814	0826	1	1					1	0804	C8.2	9727
08	2138	2144	2144D	3+	1					1	2135	C4.2	9727
09	1530	1546	1620	2-	5					4	1533	C6.8	9727
09	1634	1638	1705	1+	5					5	1632	C3.2	9733
09	1737	1745U	2000	3+	1					1	1726	C6.3	9733
09	1740	1759	1838	2	5					2	1726	C6.3	9733
09	1841	1844	1934	2+	1					1	No flare		
09	2029	2034	2115	2	1					1	2027	C4.5	9727
10	0932	0939	0948	1-	1					1	0931	C8.6	9727
10	1819	1822	1845	1+	1					1	1816	C4.3	
11	0803	0806	0813	3-	5	1	1	1		3	0758	X2.8	9733
11	1446	1451	1456	2+	5		2	1		7	1442	M1.3	9727
11	1857	1901	1913	1-	1					1	1854	C3.4	
12	0747	0752	0759	2	5		1	1			No flare		
12	1228	1231	1241	2	5		2	1		2	1224	C4.8	9733
12	1421	1428	1455	1+	5					2	1415	C4.4	
12	1902	1909	2001	2	5					5	1900	M3.0	9733
12	2004	2006	2200	3	1					1	*		
12	2023	2027	2044	1	5					2	2020	C9.3	9727
13	0643	0648	0715	2	1					1	0632	M1.8	9727
13	1007	1054U	1218	1	1			1			1006	C3.1	
13	1424	1430	1452	3	5	1	1	1		6	1420	X6.2	9733
13	1555	1604	1616	1-	3					2	1555		9727
13	1616	1618	1630	1-	1					2	1616		9727
13	1756	1803	1829	2-	3					2	1752		9727
14	0650	0653	0725	2-	1					1	0645	C5.9	9727
14	0839	0913	1022	2	3		1			1	0840	M3.5	9736
14	1248	1258	1324	1	3		1			1	1250	C7.0	9733
14	1622	1629	1700	2	1					1	1626		9733
14	1746	1750	1830	2	1					1	No flare		
14	1943	1951	2055	2+	5					3	1941	M4.4	9733
14	2018	2022	2107D	2+	1					1	No flare		
15	1004	1010	1018	1-	1					1	1005	C4.9	9733
15	1240	1250	1321	1	5		1			2	1239	C9.4	
15	1657	1701	1710	1-	5					3	1656	C5.0	
15	1732	1736	1746	1-	1					1	1728	C4.3	9733

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						SWF	SEA	SPA	LF-SPA	SES			
16	0729	0741	0815	2	3		1			1	0733	C8.5	9733
16	1418	1424	1432	2-	5		2	1		3	1415	C3.2	
18	0445	0447	0510	1	1					1	0439	C3.0	9733
19	1050	1055	1110	1	1					1	*		
19	1259	1304	1309	2	5		1	1		2	1256	C5.4	
19	1325	1325U	1330	1+	1					1	*		
19	1703	1707	1748	2-	5					5	1701	M1.3	9739
20	1518	1528	1600	2-	3					2	1522	C4.4	9742
20	1712	1716	1730D	1-	1					1	1710	C2.7	9742
20	1734	1747	1806	1+	3					2	No flare		
20	1810	1812	1851	1+	3					2	1808	C5.0	9742
22	1400	1404	1417	1	1		1				*		
22	1515	1518	1545	1+	1					1	1514	C2.6	
23	1058	1109	1159	2	5		1			1	1100	C7.1	
23	1247	1257	1328	1	1		1				1247	C5.0	
23	1907	1917	2007	2+	1					1	1912	C3.9	
24	0928	0941	1010	1	1		1				No flare		
24	1038	1107U	1200	1	1		1				*		
24	1323	1340	1356	1	1		1				*		
24	1356	1403	1432	3-	5		2	1		5	1350	M3.5	
24	1630	1638	1707	2	1					1	1626		9742
25	2015	2037	2145	3	1					1	2028	C9.8	9748
26	1102	1114	1145	2	1		1				*		
26	1225	1235	1308	3	5		2	1		1	1222	M1.8	9742
26	1600	1633U	1915	3+	1					1	1614		9742
26	1713	1720	1803	2	5					4	1713	M1.3	9742
27	1044	1103	1130	1	1		1				*		
27	1130	1140	1214	3	5		2	1		2	1127	M1.0	9742
27	1222	1235	1302	1	1		1				1218		9742
27	1417	1423	1450	1+	5		1			4	1417	C7.8	
27	1527	1532	1557	1+	3					3	1526	C9.0	9754
27	1548	1556	1636	2	3					2	No flare		
27	1642	1651	1819	2+	5		1			3	1643	M2.3	9748
27	1648	1659	1914	3+	1					1	1643	M2.3	9748
27	1939	1945	2004	1+	1					1	1943	C7.6	
27	2016	2025	2057D	2	1					1	2019	C6.5	9754
28	1218	1235	1235D	2	5		1	2	1	1	1210	M1.3	9748
28	1348	1356	1442	2	5		1			1	No flare		
28	1520	1523	1536D	1-	1					1	No flare		
28	1846	1850	1920	2-	3					2	1846	C8.2	9751
28	1922	2000	2345	3+	1					1	No flare		
28	1947	2023	2106U	2+	1					1	2002	X3.4	
29	0908	0919	0942	2	1		1				0905	M1.8	
29	0942	0950	1044	3	1		1				0938	M9.3	9748
29	1152	1159	1222	1+	5		1			1	1152	M1.4	
29	1624	1630	1719	2-	3					3	1633	M3.3	
29	1633	1646	1727	2+	1					1	1633	M3.3	
29	1800	1803U	1842D	2	1					1	No flare		
29	1840	1845	1925	2-	3					3	No flare		
29	1948	1956	2222	3+	1					1	1950	M1.8	
29	2245	2252	2345	2+	1					1	2251	M2.8	9767
30	1432	1438U	1445	1-	1					1	No flare		
30	1501	1506	1515	1-	5					2	1502	C5.0	9767

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SUDDEN IONOSPHERIC DISTURBANCES

127
Dec 01

DECEMBER 2001

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						SWF	SEA	SPA	LF- SPA	SES			
30	1516	1523	1600	2	1					1	No flare		
30	1817	1828	1937	2+	3					2	No flare		
30	2150	2152	2222	1+	1					1	2153	C4.2	9767
31	1016	1024	1112	1	1		1				No flare		
31	1232	1242	1259	1	1		1				1234	C3.7	

* = no flare patrol.

OBSERVATORIES REPORTING FOR DECEMBER 2001

Alberta, Canada	SES	Milan, Italy	SES
Bedford, Massachusetts, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Bern, Switzerland	SES	Sussex, United Kingdom	SES
Brookline, Massachusetts, USA	SES	Torrington, Connecticut, USA	SES
Edenvale, Rep of S. Africa	SES	Udine City, Italy	SES
Houston, Texas, USA	SES	Upice, Czech Republic	SEA
Marlboro, Massachusetts, USA	SES		

Observations are not necessarily continuous.