

NOVEMBER 2002

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	0815	0825	0849	1	1		1				No flare		
01	0958	1036	1050	2	3		1			1	No flare		
01	1033	1050	1127	3	5	1	2	1		5	1059	C6.6	10198
01	1258	1307	1328	1	1		1				No flare		
01	1614	1621	1658	2	1					1	1614		10177
01	1924	1932	1947	1	1					1	1931		
01	1948	1954	2003	1-	1					1	1951	C3.8	10198
02	0545	0600	0700	2+	1					1	0528	C3.9	
02	1000	1100	1130	1	1		1				No flare		
02	1142	1206	1245	1	1		1				No flare		
03	0551	0606	0715	2+	1					1	0551	C6.3	10177
03	0953	0955	1004	1-	3					2	0948	C2.4	10177
03	1246	1254	1259	1-	1					1	1257E		10180
03	1345	1350	1432	3	5		2	1		8	1341	M1.3	10177
04	1336	1350U	1427	1	1		1				No flare		
04	1811	1821	1850	2-	3					3	1813	C4.4	10180
05	1254	1258	1318	3-	5		2	1		6	1253	C7.5	10177
05	1607	1611	1633	1	5					5	1606	C6.4	10177
05	1816	1821	1842	1	3					4	1815	C2.7	10185
06	0515	0527	0652	3-	3					2	0505	C7.2	10180
06	1202	1210	1233	1-	3		1			1	1159	C1.9	
06	1310	1321	1444	1	1		1				No flare		
06	1439	1443	1454	1-	3					3	1433	C2.7	10188
06	1635	1645	1715	2	3					2	1636	C3.7	10180
06	2314	2317	2330	1-	1					1	2308	C7.3	10177
07	0620	0630	0639	1	1					1	0624	C2.5	10177
07	0906	0908	0913	1-	1					1	0901	C2.8	10180
07	0948	0956	1024	1	1		1				No flare		
07	1145	1154	1200	1-	1					1	1140		10180
07	1205	1213	1259	1	5		1			1	1156		10180
08	0832	0843	0859	1	3		1			1	0829	C2.1	10180
08	1000	1009	1024	1	1					1	1001	C2.7	
08	1052	1055	1103	1-	1					1	1051	C1.9	10180
08	1222	1227	1250	1	3		1			4	1219	C5.8	10180
09	0842	0910U	0938	2	1		1				No flare		
09	0946	0957	1017	1	3					3	0944	C4.7	
09	1026	1112	1128	1	1		1				*		
09	1141	1158	1233	2	3		1			2	1144	C6.3	10180
09	1312	1323	1407	3	5	1	2	1		8	1308	M4.6	10180
09	1518	1526	1619	2+	3					3	1519	C4.1	10180
09	1746	1755	1846	2	3					4	1747	C7.9	10191
09	2109	2118	2124	1-	1					1	2109		10180
10	0118	0125	0145	1	1					1	0117	C5.5	
10	0307	0318	0422	2+	3					2	0304	M2.4	10180
10	1107	1113	1126	1-	5					2	1103	C5.5	
10	1133	1138	1148	1	1					1	1133	C5.1	10191
10	1211	1219	1230	2	5	1	2	1			1210	C5.4	10180
10	1338	1347	1416	1	1		1				1335	C4.5	
10	1558	1606	1616	1-	1					1	1556	C2.6	
10	1759	1803	1811	1-	1					1	1756	C1.9	
10	1843	1846	1902	1	1					1	1844	C2.1	
10	2120	2127	2142	1	1					1	2118	C2.3	
11	0727	0731	0759	2+	5		2	1		2	0725	M2.9	10180
11	1141	1153	1205	1	1					1	1135		10180
11	1238	1251	1315	2-	3		1			2	1225	C7.1	10180
11	1335	1339	1355	1	5		1			2	No flare		
11	1435	1445	1507	2-	5					5	1437	C6.5	10180

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						SWF	SEA	SPA	LF-SPA	SES			
11	1510	1518	1604	2+	5					2	1511	M1.8	10180
11	1608	1619	1653	2	3					2	1511	M1.8	10180
12	0745	0750	0827	2-	3		1			3	0742	C5.3	10180
12	1807	1813	1830	1	3					3	1758	C9.9	10180
12	1814	1821	1843	1	3					3	1758	C9.9	10180
12	1843	1855	1939	2	3					5	1841	M2.9	10180
13	1004	1008	1017	1-	1					1	1002	C1.9	
13	1054	1058	1136	1-	1					1	No flare		
13	1436	1449	1459	1	1					1	1435	C3.0	10191
14	1009	1015	1035	1+	1					1	1017	C2.6	
14	1110	1114	1142	1	5		1			4	1107	C5.5	
14	1343	1353	1408	3-	5		2	1		8	1340	C8.1	10195
15	0100	0116	0202	2+	3					2	0106	M2.4	
15	0524	0532	0607	2	3					2	0524	C8.9	10192
15	1154	1200	1208	2	5		2	1		3	1152	C6.2	10192
15	1345	1350	1400	1-	5		1			3	1345	C3.2	10192
15	1436	1437	1442	1-	1					1	1438	C1.9	
16	0631	0636	0713	2	3					2	0632	C1.9	10191
16	0959	1003	1008	1-	1					1	No flare		
16	1101	1107	1126	1	5		1			3	1057	C5.4	10192
16	1357	1403	1422	2	5		2	1		8	1354	C8.6	10191
16	1644	1647	1711	1+	1					1	1638		10192
17	0525	0543	0815	3+	1					1	0504	C5.0	
17	0904	0915U	0934	2	1		1				No flare		
17	0945	0956	1026	1+	3					3	0928	C4.2	
17	1218	1234	1257	1+	3		1			3	1229	C7.0	
17	1239	1249	1314	1+	1					1	No flare		
17	1417	1425	1448	1	1		1			1	1439	M2.0	10198
17	1450	1457	1514	1-	5		1	2		7	1439	M2.0	10198
17	1544	1556	1648	2+	1					1	No flare		
17	2128	2140	2229	2+	1					1	2131	C7.9	10198
18	0707	0712	0739	1	1					1	0706	C2.2	10192
18	0734	0742	0801	1	1		1				No flare		
18	0817	0833	0906	1	1		1				No flare		
18	0912	0955	1047	1	1		1				1005	C2.4	
18	1056	1057	1110	1-	1					1	1005	C2.4	
18	1200	1205	1228	1	1		1				1200	C1.9	
19	0729	0735	0801	1+	3					2	0728	C4.9	
19	1210	1215	1223	1-	1					1	1205	C2.5	
20	1626	1632	1652	1	3					4	1625	C3.8	
20	1716	1728	1749	1+	3					4	1715	M1.4	10198
20	1737	1743	1757	1	1					1	1715	M1.4	10198
20	1801	1806	1835	2-	3					4	1715	M1.4	10198
21	0809	0813	0822	1-	1					1	0807	C2.4	10198
21	0840	0846	0934	1	1		1				*		
21	1101	1106	1128	1	5		1			3	1059	C6.6	10198
21	1643	1647	1712	1+	3					4	1642	C3.8	10198
22	1538	1545	1614	1+	3					3	1536	C3.4	10198
23	0121	0129	0150	1+	1					1	0119	C2.1	
23	0758	0803	0826	2-	3					3	0755	C4.6	
23	0842	0843	0849	1-	1					1	0839	C1.9	10198
23	0909	0927	0952	2	1		1				No flare		
23	1154	1214	1225	1	1		1				1138E		10198
23	1807	1809	1822	1-	1					1	1801	C2.7	

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						SWF	SEA	SPA	LF- SPA	SES			
24	0810	0837	0901	1+	3		1			2	0815	C4.8	
24	1016	1022	1042	1	1		1				*		
26	1830	1834	1840	1-	1					1	1826	C3.6	10197
27	0905	0908	0916	1-	1					1	0902	C1.4	
27	0935	0943	1019	1	1					1	0933	C2.3	10198
27	1306	1314	1327	1	1		1				No flare		
27	1645	1653	1711	1	5					3	1643	C3.8	10198
28	0807	0817	0845	2	1					1	0806	C4.3	
28	1006	1016	1016U	2-	1					1	1005	C3.4	
28	1051	1101	1101	1	1					1	1047	C8.4	10198
28	1123	1137	1159	1+	5		1			4	1047	C8.4	10198
28	1355	1401	1431	2	5					2	1357	C3.5	10207
28	1403	1412	1438	1	1		1				1357	C3.5	10207
28	1519	1521	1531	1-	3					2	1522	C2.0	10207
28	1646	1651	1706	1	1					1	1656	C1.8	
29	0433	0440	0522	2	3					2	0429	C2.9	
29	0756	0802	0816	1	1		1				No flare		
29	0829	0839	0919	1	1		1				No flare		
29	1054	1108	1127	1	1		1				No flare		
30	1023	1053	1159	2	1		1				1119	B8.0	10209

* = no flare patrol.

OBSERVATORIES REPORTING FOR NOVEMBER 2002

Alberta, Canada	SES	Marlborough, Massachusetts, USA	SES
Allentown, Pennsylvania, USA	SES	Milan, Italy	SES
Amherst, New Hampshire, USA	SES	Nerja, Spain	SES
Athens, Georgia, USA	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Bern, Switzerland	SES	Sofia, Bulgaria	SES
Brookline, Massachusetts, USA	SES	Sussex, United Kingdom	SES
Edenvale, Rep of S. Africa	SES	Torrington, Connecticut, USA	SES
Hoogstraten, Belgium	SES	Upice, Czech Republic	SEA
Isola del Gran Sasso, Italy	SES	Villiersdorp, South Africa	SES

Observations are not necessarily continuous.