GOES S O L A R X-RAY F L A R E S
Preliminary Listing

January 2002

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
01	0859	0910	0917				C4.5		3.8E-03
02	0316	0323	0327	N04	W90	SF	C5.2	9751	2.7E-03
02	0338	0341	0347	S06	W58	SF	C4.6	9754	2.3E-03
02	0533	0536	0538	N13	W43	SF	C3.1	9764	7.5E-04
02	0755	0801	0808	S07	W56	SF	C7.2	9754	4.2E-03
02	0909	0913	0916	S08	W57	SF	C6.7	9754	2.3E-03
02	1248	1252	1255	S07	W68	1N	M2.4	9754	7.3E-03
02	1543	1548	1554				C3.2		1.9E-03
02	1751	1757	1804				C5.1		3.0E-03
02	2144	2148	2151				M1.1		4.1E-03
03	0016	0019	0023				C3.5		1.3E-03
03	0214	0220	0228	S11	E12	1F	C5.9	9767	4.4E-03
03	0358	0402	0407	S05	W69	SF	C4.0	9754	1.9E-03
03	0713	0717	0723	S06	W75	SF	C2.8	9754	1.5E-03
03	0840	0846	0853	N14	W60	SF	C2.1	9764	1.6E-03
03	0952	0959	1003				C2.6		1.6E-03
03	1145	1147	1151	N07	W35	SF	C2.7	9770	9.0E-04
03	1430	1432	1438	N07	W37	SF	C2.3	9770	1.1E-03
03	1709	1713	1717	S26	E30	SF	C4.4	9767	1.7E-03
03	1928	1934	1942				C2.2		1.8E-03
03	2051	2054	2058				C1.9		7.5E-04
03	2220	2304	0010	S17	E16	SF	C6.3	9767	3.5E-02
04	0817	0823	0830	S11	W05	SF	C3.6		2.4E-03
04	0924	0952	1035				C3.7		1.4E-02
04	1743	1749	1754	N16	E71	SF	M1.0		5.1E-03
04	1825	1829	1834	N13	E58	1F	C5.6	9773	2.4E-03
04	1951	2023	2104	N14	E67	1F	C8.7	9773	2.7E-02
04	2253	2256	2258	S20	E03	SF	C7.2	9767	1.8E-03
05	0057	0100	0103	S19	E02	SF	C3.1	9767	9.7E-04
05	0304	0310	0315				C4.1	9768	2.2E-03
05	0559	0631	0647	N18	E62	SF	C8.0	9773	1.5E-02
05	1027	1043	1056	N16	E58	SF	C7.4	9773	9.9E-03
05	1707	1718	1740	N13	E57	SF	C3.1	9773	5.3E-03
05	1819	1840	1851	N14	E53	1F	M1.9	9773	2.5E-02
06	0152	0200	0207	N16	E50	SF	C2.8	9773	2.1E-03
06	0451	0507	0523	S05	W82	SF	C3.4	9768	5.1E-03
06	0523	0555	0616				C5.9		1.4E-02
06	0646	0652	0655	S08	W84	SF	C5.3	9768	2.5E-03
06	0930	0933	0935	S18	W16	SF	C1.6	9767	4.6E-04
06	1136	1141	1147	S17	W13	SF	C3.1	9767	1.7E-03
06	1234	1248	1259				C3.2		3.8E-03
06	1307	1312	1318	S21	W09	SF	C2.7	9767	1.6E-03
06	1348	1357	1409	N15	E40	SF	C3.1	9773	3.2E-03
06	1438	1444	1446	S18	W18	SF	C6.2	9767	1.7E-03
07	0227	0256	0305				C2.4		4.4E-03
07	0641	0647	0652	N15	E37	1F	C3.5	9773	1.8E-03
07	1414	1422	1430	S20	W27	SF	C3.8	9767	2.9E-03
07	1526	1534	1603	N14	E27	SF	C2.7	9773	5.0E-03
07	2049	2101	2119	N13	E24	SF	C2.9	9773	4.3E-03
07	2210	2221	2228				C2.3		2.0E-03
07	2243	2255	2312	N14	E24	SF	C2.8	9773	4.3E-03
08	1255	1301	1316	N14	E17	SF	C2.5	9773	3.1E-03
08	1713	1725	1739	S18	W42	1F	C7.2	9767	8.2E-03
08	1814	2025	2139				C9.6		8.6E-02
08	2209	2222	2227	N14	E11	SF	C6.7	9773	6.9E-03
08	2251	2257	2306	N13	E06	SF	C7.5	9773	6.2E-03
09	0952	0955	0957				C4.3		1.0E-03
09	1101	1113	1130	N13	E08	1F	M1.6	9773	2.0E-02
09	1742	1801	1812	N13	W02	2B	M9.5	9773	9.1E-02
10	0715	0759	0820	N13	W10	SF	C4.3	9773	1.2E-02
10	0927	1018	1039	N14	W09	SF	C7.0	9773	2.2E-02
10	1359	1420	1449	N14	W10	SF	C2.6	9773	6.8E-03
10	1512	1518	1528	N14	W13	SF	C3.2	9773	2.9E-03
10	1553	1608	1621	N14	W16	SF	C3.6	9773	5.3E-03
11	0324	0328	0335				C3.7		2.2E-03
11	0753	0807	0831				M1.0	9767	1.7E-02
11	1222	1236	1242	N13	W27	SF	C4.2	9773	3.8E-03
11	1319	1329	1337	N17	W22	SF	C6.1	9773	5.8E-03
11	1844	1848	1850	S06	W16	SF	C3.7	9775	9.7E-04
11	1955	2007	2020	N16	W27	SF	C7.3	9773	7.6E-03
11	2038	2052	2057	S05	W15	SF	C4.8	9775	4.2E-03
12	0105	0123	0130	N12	W33	SF	C4.7	9773	4.8E-03
12	0155	0156	0157				C3.0		3.0E-04
12	0307	0322	0338				M1.0	9775	1.5E-02
12	0717	0721	0725				C2.7		1.2E-03
12	0736	0742	0753	S06	W21	SF	C4.1	9775	3.7E-03
12	0837	0840	0842	N15	W38	SF	C3.1	9773	8.3E-04
12	0854	0858	0919	N11	W41	1F	C3.4	9773	4.4E-03
12	1215	1221	1229				C5.4		3.5E-03
12	1505	1519	1533	S05	W26	1N	M1.7	9775	1.9E-02
12	1832	1843	1903				M3.4		4.3E-02
12	1925	1929	1934	S11	W39	SF	M1.3	9775	6.3E-03
13	0304	0310	0313	N17	W40	1N	M1.4	9773	5.1E-03
13	0359	0401	0403	S14	E15	SF	C8.0	9778	1.4E-03
13	0534	0538	0542	N30	E13	SF	C3.5	9779	1.4E-03
13	0749	0752	0755	N17	W43	SF	C3.7	9773	1.2E-03
13	1306	1315	1326	S06	W45	SF	C7.8	9775	7.1E-03
13	1336	1338	1341	S05	W44	SF	C8.0	9775	1.8E-03
13	1512	1533	1555	N17	W50	SF	C7.4	9773	1.6E-02
13	1707	1710	1712	S07	W46	SF	C5.4	9775	1.2E-03
13	1935	1946	1949	S07	W48	SF	M2.2	9775	9.1E-03
13	2337	2341	2343	S15	E04	SF	C3.6	9778	1.1E-03
14	0120	0136	0144				M1.0	9775	1.0E-02
14	0152	0156	0203	N05	E44	2N	M1.7	9782	8.4E-03
14	0359	0408	0410	S15	W03	SF	C3.0	9778	1.9E-03
14	0529	0627	0825				M4.4		3.4E-01
14	1421	1423	1425	S07	W59	SF	C7.7	9775	1.7E-03
14	2053	2057	2059	N03	E34	SF	C3.7	9782	1.2E-03
14	2235	2246	2258	S05	W65	SF	M1.1	9775	1.2E-02
14	2334	2338	2340	N17	W70	SF	C4.9	9773	1.3E-03
15	0431	0435	0441	N16	W76	SF	C2.1	9773	1.1E-03
15	0953	1000	1007	N07	E25	SF	C2.6	9782	1.9E-03
15	1748	1752	1754	S06	W70	SF	C4.6	9775	1.4E-03
15	1804	1809	1816	S08	W71	SF	C3.4	9775	2.3E-03
15	2141	2153	2213	S08	W76	SF	C3.9	9775	6.4E-03
15	2320	2323	2328				C4.7		2.0E-03
16	0734	0740	0744				C4.3		2.1E-03
16	0800	0809	0817	S07	W80	SF	C7.1	9775	5.6E-03
16	0903	0908	0919	S07	W85	SF	C4.3	9775	3.5E-03
16	0927	0932	0938				C6.6		3.3E-03
16	1005	1013	1018	S05	W75	SF	M1.5	9775	7.7E-03
16	1351	1413	1438				C9.5		2.0E-02

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Preliminary Listing

January 2002

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
16	1502	1508	1513				C4.6		2.6E-03
16	1525	1529	1532	S05	W83	SF	C4.1	9775	1.6E-03
16	1542	1557	1608				C5.0		0.0E+00
16	1652	1655	1658	S07	W88	SF	C4.3	9775	1.3E-03
16	1750	1756	1801	N15	W89	SN	C6.2	9773	3.0E-03
16	2000	2005	2019	N14	W79	SF	C5.8	9773	5.5E-03
16	2019	2024	2030				C9.2		5.0E-03
17	0107	0116	0124				C3.9		3.3E-03
17	0213	0216	0221	S08	W91	SF	C2.9	9775	1.3E-03
17	0306	0312	0318	S09	W78	SF	C4.2	9775	2.4E-03
17	0432	0435	0437				C3.0		8.1E-04
17	0517	0521	0525				C3.1		1.3E-03
17	1142	1146	1152				C2.5		1.3E-03
17	1208	1215	1218	S11	E23	SF	C2.4	9783	1.3E-03
18	1153	1201	1208	N18	E24	SF	C1.7		1.5E-03
18	1520	1606	1621				C2.6		7.7E-03
19	0047	0054	0101	S08	E71	SF	C4.0	9787	2.5E-03
19	0738	0752	0800				C1.3		1.6E-03
19	1000	1005	1007	S08	E64	SF	M1.2	9787	2.3E-03
19	1230	1239	1245				C1.5		1.2E-03
19	1550	1559	1604				C1.6		1.1E-03
19	1847	1852	1858				C1.7		1.0E-03
19	2005	2009	2016	N15	E42	SF	C1.8	9788	1.1E-03
19	2116	2121	2125				C1.9		9.0E-04
19	2255	2301	2308				C1.4		1.0E-03
20	1543	1552	1606	N18	E34	SF	C3.8	9788	4.5E-03
20	2307	2326	2335	N18	E28	SF	C2.8	9788	4.0E-03
21	0135	0139	0149	N18	E25	SF	C1.7	9788	1.4E-03
21	0322	0329	0338	N18	E25	SF	C3.4	9788	2.6E-03
21	0536	0539	0541	N07	W45	SF	C1.6	9785	4.3E-04
21	0741	0747	0753	N15	W20	SF	C1.7	9789	1.2E-03
21	1815	1819	1821	S03	W28	SF	C1.7	9791	5.3E-04
21	2126	2137	2144				C2.2		2.1E-03
21	2229	2233	2242	S02	W30	SF	C3.5	9791	2.0E-03
22	0252	0255	0257				C1.4		3.7E-04
22	0542	0546	0550				C1.9		8.1E-04
22	0741	0758	0826				C1.0		3.9E-03
22	0852	0900	0903	S02	W37	1N	M1.3	9791	4.6E-03
22	1119	1126	1135				C3.3		2.4E-03
22	1308	1313	1319	N17	W32	SF	C5.0	9789	2.2E-03
22	1420	1429	1434				C2.6		1.9E-03
22	1626	1631	1635	S16	E10	SF	C1.4	9793	6.4E-04
22	1808	1811	1812				C1.4		2.9E-04
22	2202	2208	2215	S24	E68	SF	C2.4		1.5E-03
22	2239	2243	2247	N12	E36	SF	C1.3	9794	6.2E-04
22	2327	2332	2342	S05	E21	SF	C1.6	9787	1.4E-03
23	0117	0121	0125				C1.9		8.7E-04
23	0316	0319	0324				C1.6		7.4E-04
23	0332	0337	0341	N11	E34	SF	C1.7	9794	8.8E-04
23	0906	0909	0912	S06	E09	SF	C1.4	9787	4.9E-04
23	0956	1000	1011	S09	W57	SF	C1.6	9783	1.3E-03
23	1332	1337	1348	N12	E29	SF	C3.7	9794	3.1E-03
23	2225	2228	2231	S08	E01	SF	C2.3	9787	6.8E-04
24	0325	0439	0706				C7.1		7.1E-02
24	1503	1509	1513				C3.7		1.9E-03
24	2040	2045	2048				C3.8		1.4E-03
25	0218	0225	0239	N13	E10	SN	C6.6	9794	6.5E-03
25	1030	1035	1055				C3.5		4.6E-03
25	1130	1133	1137				C2.6		1.0E-03
25	1815	1818	1823				C2.5		1.1E-03
25	1902	1906	1909				C4.6		1.4E-03
25	2214	2218	2224				C7.5		2.9E-03
26	0001	0003	0005				C4.5		1.1E-03
26	1447	1451	1454				C2.7		1.0E-03
26	1926	2005	2034	S15	E78	SF	M1.3	9802	3.7E-02
26	2224	2228	2234	N19	W57	SF	C6.2	9788	3.3E-03
26	2358	0006	0014				C4.3		3.8E-03
27	1718	1723	1728	S07	W48	SF	C2.7	9787	1.4E-03
28	0300	0310	0327	N19	W71	SF	C9.6	9788	1.2E-02
28	1105	1110	1116				C4.6		2.7E-03
28	1749	1754	1759				C8.1	9800	3.3E-03
28	2234	2237	2242	N05	E20	SF	C2.6	9800	1.1E-03
28	2342	2349	2353				C9.6		3.9E-03
29	0420	0424	0443	N05	E17	SF	C3.6	9800	4.2E-03
29	0842	0848	0854	N05	E15	1F	C7.3	9800	3.5E-03
29	1013	1028	1037				C4.0	9800	4.9E-03
29	1216	1220	1224				C3.6		1.5E-03
29	1249	1255	1323	N05	E15	SF	C5.8	9800	9.6E-03
29	2127	2236	2254				C3.1		1.4E-02
30	0113	0117	0121				C2.9		1.2E-03
30	0231	0240	0251	S17	E36	SF	C3.6	9802	3.8E-03
30	1159	1225	1238				C3.3		5.8E-03
30	1333	1337	1339				C2.4		7.3E-04
30	1637	1639	1640				C7.4		7.4E-04
30	1738	1741	1743				C3.3		8.7E-04
30	2151	2157	2217				C2.8		3.9E-03
31	1007	1012	1017	S16	E18	SF	C3.3	9802	1.6E-03
31	1153	1204	1229	S02	W55	SF	C2.2	9798	4.3E-03
31	1420	1425	1435	N06	W14	SF	C4.3	9800	3.0E-03
31	1436	1444	1450				M3.6		1.9E-02
31	1520	1525	1537	S15	E12	SF	C4.6	9802	3.9E-03
31	1640	1647	1655	N06	W14	SF	C4.9	9800	3.6E-03