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

September 2002

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
01	0221	0224	0226				C2.8		6.9E-04
01	0930	0933	0935				C6.7		1.5E-03
01	1205	1233	1239	S08	W55	SF	C3.1	10087	5.0E-03
01	1637	1642	1647				C3.3		1.5E-03
01	2013	2028	2043				C3.1		4.6E-03
02	0006	0008	0010				C2.0		3.5E-04
02	0244	0248	0250				C2.3		5.9E-04
02	0713	0717	0719				C1.9		5.4E-04
02	0905	0911	0933				C1.9		2.9E-03
02	0955	1014	1024				C2.0		3.0E-03
02	1153	1204	1210	S17	E21	SF	C1.6	10094	1.5E-03
02	1949	2036	2046				C1.2		3.1E-03
02	2112	2115	2119				C1.0		3.8E-04
03	0021	0054	0101				M1.0		1.2E-02
03	0203	0228	0246				C2.3		5.0E-03
03	0251	0259	0308				C2.6		2.4E-03
03	0741	0745	0748				C2.6		8.4E-04
03	1002	1005	1008				C1.5		4.9E-04
03	1115	1128	1138	N13	E03	SF	C1.4	10097	1.8E-03
03	1244	1247	1250				C1.5		4.9E-04
03	1756	1807	1820				C1.3		1.7E-03
04	0323	0327	0331				C1.9		7.1E-04
04	0335	0339	0342				C1.7		6.4E-04
04	0530	0533	0539				C1.0		5.1E-04
04	0540	0547	0551	N04	E10	SF	C1.5	10095	8.3E-04
04	0622	0628	0637	S17	E22	SF	C2.3	10096	1.6E-03
04	0740	0743	0746				C2.0		5.6E-04
04	1027	1033	1038	S17	E21	SF	C1.6	10096	8.9E-04
04	1350	1355	1357	S16	E20	SF	C1.6	10096	5.6E-04
04	1414	1417	1422	S17	W11	SF	C1.2	10094	5.5E-04
04	1448	1454	1457	S16	E18	SF	C2.5	10096	9.9E-04
04	1528	1531	1534	N08	E05	SF	C1.6	10095	5.3E-04
04	1700	1703	1708	N08	E04	SF	C1.2	10095	5.5E-04
04	1804	1807	1810				C1.1		3.6E-04
05	0006	0015	0022	N07	E00	SF	C1.2	10095	1.0E-03
05	0225	0229	0236				C1.6		8.1E-04
05	0547	0551	0606				C2.0		2.2E-03
05	0806	0810	0814				C1.6		6.8E-04
05	1130	1134	1139				C1.2		5.9E-04
05	1234	1239	1250	S15	E07	SF	C5.1	10096	3.5E-03
05	1618	1706	1735	N09	E28	SF	C5.2	10102	1.6E-02
05	2040	2045	2051	S16	E03	SF	C8.6	10096	4.0E-03
06	1216	1225	1236				C2.0		2.1E-03
06	1623	1628	1631				C9.2		2.5E-03
06	1636	1644	1650				C5.3		3.5E-03
07	0113	0152	0158				C4.6		7.1E-03
07	0439	0450	0456				C1.6		0.0E+00
07	1051	1057	1104				C1.7		1.1E-03
07	1458	1502	1506				C1.3		5.4E-04
07	1619	1625	1634				C1.6		1.4E-03
07	1735	1747	1754				C5.4		4.9E-03
08	0135	0143	0153	S11	E76	SF	M1.5	10105	1.1E-02
08	1445	1457	1508	N12	E76	SF	C4.0	10107	4.7E-03
09	0227	0239	0257				C3.6		5.5E-03
09	1628	1635	1641	S18	W49	SF	C2.1	10096	1.5E-03
09	1740	1752	1801	S09	E54	2N	M2.1	10105	1.7E-02
09	2126	2131	2135				C2.1		9.9E-04
09	2331	2334	2337	N16	W08	SF	C1.2	10103	4.2E-04
10	0911	0916	0920				C1.6		7.5E-04
10	1018	1024	1034	S13	E50	SF	C3.6	10105	2.6E-03
10	1157	1200	1202				C1.7		4.7E-04
10	1332	1336	1339	N11	E51	SF	C2.1	10107	7.3E-04
10	1432	1436	1438	N15	W14	SF	C1.6	10103	5.1E-04
10	1449	1456	1500	S10	E43	1N	M2.9	10105	1.0E-02
10	1552	1555	1600	N11	E49	SF	C2.5	10107	1.1E-03
10	1711	1724	1732	S09	E38	SF	C5.6	10105	5.2E-03
10	1734	1738	1741	S10	E41	SF	C6.5	10105	2.2E-03
10	1936	1939	1942				C1.8		5.6E-04
10	1948	1955	2006				C3.7		3.1E-03
10	2044	2051	2054	N12	E46	SF	C3.6	10107	1.7E-03
10	2154	2204	2208				C9.1		3.1E-03
10	2252	2258	2301				C3.4		1.2E-03
11	0137	0143	0148				C2.2		1.2E-03
11	0503	0509	0513	N11	E40	SF	C2.1	10107	9.2E-04
11	0549	0554	0557	N10	E39	SF	C1.5	10107	5.7E-04
11	0726	0735	0742	S10	E30	2B	M2.2	10105	1.1E-02
11	1038	1051	1056				C4.5		3.4E-03
11	1448	1503	1506	N12	E35	SF	C1.3	10107	1.2E-03
11	1746	1749	1752				C1.9		5.6E-04
11	2255	2300	2302	N11	E31	SF	C1.2	10107	4.4E-04
12	0009	0018	0030	N10	E30	SF	C4.1	10107	3.6E-03
12	0626	0630	0633				C1.4		4.8E-04
12	0707	0714	0725	N10	E24	SF	C2.8	10107	2.6E-03
12	0751	0755	0758				C1.1		4.3E-04
12	1147	1153	1200	N12	E23	SF	C2.5	10107	1.7E-03
12	1335	1338	1340	S11	E19	SF	C1.0	10105	2.6E-04
12	2054	2123	2136	S12	E16	SF	C3.1	10105	6.0E-03
12	2335	2337	2340	S06	E04	SF	C1.4	10114	3.3E-04
13	0657	0717	0740				C2.8	10105	5.5E-03
14	0032	0034	0037	S02	W02	SF	B9.2	10114	2.7E-04
14	1221	1453	1514				C4.1	10105	2.6E-02
14	1717	1831	1859	S09	E03	SF	C4.5	10114	1.9E-02
14	2125	2136	2148				C2.4		3.0E-03
14	2310	2313	2317				C1.2		4.6E-04
14	0157	0203	0207				C1.1	10105	6.1E-04
14	0437	0440	0443				C1.7	10105	4.6E-04
14	0556	0600	0612				C1.2		1.0E-03
14	1101	1106	1109				C1.8	10105	6.1E-04
15	0411	0417	0419				C1.7		7.0E-04
15	0441	0450	0458				C3.9		3.2E-03
15	0747	0752	0756	S04	W26	SF	C3.7	10105	1.7E-03
15	0922	0926	0930	N17	W79	SF	C1 3	10103	
15	1255	1259	1303				C1.2		5.7E-04
15	1356	1400	1404				C1.3		6.2E-04
15	1533	1538	1541	S08	W12	SF	C3.1	10114	1.0E-03
15	1729	1738	1745	S05	W29	SF	M1.0	10105	5.7E-03
15	1900	1904	1909				C1.2		6.5E-04
15	2034	2039	2042				C2.9		9.0E-04
15	2330	2338	2350	S16	W13	SF	C1.7	10114	1.8E-03
16	0141	0154	0158	S13	W21	SF	C2.4	10114	1.9E-03
16	0306	0310	0312	S13	W20	SN	M1.3	10114	2.3E-03
16	0338	0353	0410	S06	W37	1F	C5.0	10105	7.7E-03
16	0853	0856	0858	S15	E41	SF	C1.6		4.6E-04
16	1022	1026	1029	S11	W25	SF	C1.4	10114	4.8E-04
16	1155	1157	1159	S08	W37	SF	C1.2	10105	2.8E-04
16	1546	1556	1602	S15	E38	SF	C4.6	10119	3.1E-03
16	1950	2004	2018				C5.0	10119	5.4E-03
16	2156	2200	2202				C2.7		5.9E-04

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Preliminary Listing

September 2002

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
17	0157	0205	0214				C5.2	10110	3.9E-03
17	0410	0415	0417	S15	E27	SF	C1.2	10119	4.6E-04
17	0548	0554	0558	S13	W37	SN	C2.0	10114	8.9E-04
17	0611	0820	0936	S12	W33	1F	C8.6	10114	7.7E-02
17	0917	0921	0924	S16	E25	SN	C8.8	10119	3.2E-03
17	1036	1050	1058	S18	E25	SF	C4.3	10119	5.0E-03
17	1735	1741	1748	S15	E19	SF	C2.8	10119	1.9E-03
17	1919	1929	1938	S16	E18	SF	C2.5	10119	2.4E-03
17	2125	2151	2200				C4.0		6.5E-03
17	2357	0012	0026	S15	E16	SF	C2.8	10119	4.0E-03
18	0110	0119	0129	S01	W62	SF	C3.8	10112	3.5E-03
18	0207	0222	0239	S17	E13	1F	C4.8	10119	6.8E-03
18	1013	1030	1046	S16	E10	SF	C3.1	10119	5.1E-03
18	1532	1600	1653	S22	E04	1F	C2.2	10119	7.1E-03
18	1714	1722	1728	S09	W71	SF	C3.9	10105	2.3E-03
18	2104	2109	2112	S11	W71	SF	C1.7	10105	5.9E-04
18	2148	2153	2200				C1.0		6.9E-04
19	0512	0528	0548	S07	E63	1F	C4.7	10125	7.9E-03
19	0807	0816	0825	S14	W02	SF	C3.7	10119	3.1E-03
19	1342	1345	1347				C1.0		2.8E-04
19	1358	1401	1403	S12	W80	SF	C1.0	10105	2.7E-04
19	1427	1436	1442	S13	W79	SF	C3.3	10105	2.2E-03
20	0156	0202	0206	S15	W13	SF	C2.4	10119	1.0E-03
20	0508	0512	0517	S24	E75	SF	M1.5	10126	5.9E-03
20	0826	0835	0839	S03	W27	SF	C1.9	10115	1.2E-03
20	0921	0928	0933	S24	E73	SF	M1.8	10126	7.3E-03
20	1108	1114	1122	S22	E70	SF	C2.1	10126	1.5E-03
20	1323	1331	1344				C2.1		2.2E-03
20	2326	2334	2348				C2.5		2.4E-03
21	0312	0320	0326	S14	E08	SF	C3.0	10121	1.7E-03
21	0335	0338	0341				C2.4		7.1E-04
21	0755	0759	0811				C1.5		1.2E-03
21	1455	1459	1503				C1.1		4.7E-04
21	1656	1703	1710	S15	W32	SF	C2.6	10119	1.7E-03
21	2034	2100	2138	S16	W19	SF	C2.6	10123	7.3E-03
21	2300	2307	2313				C1.7		9.8E-04
22	0547	0554	0601	S16	W43	SF	C2.4	10119	1.5E-03
22	0917	0926	0931				C1.7	10119	1.0E-03
22	1026	1030	1034				B8.9		3.6E-04
22	1053	1056	1058				B7.9		2.1E-04
22	1917	1921	1928				C1.0		6.0E-04
23	0436	0449	0453	S19	W23	1F	C1.6	10120	1.1E-03
23	1114	1119	1122				C1.2		4.5E-04
23	1758	1802	1804				B9.7		2.9E-04
24	0032	0037	0041				B6.8		3.3E-04
24	1555	1602	1606	S12	W80	SF	C3.1	10119	1.4E-03
24	1958	2003	2008				C1.7		8.2E-04
24	2027	2032	2037				C1.3		7.0E-04
25	1558	1605	1615				C2.0		1.7E-03
25	1721	1728	1737				C2.2		1.8E-03
25	1811	1815	1819				C1.3		5.7E-04
26	0028	0035	0038				C1.3		7.2E-04
26	0204	0208	0211	N20	W39	SF	C2.9	10132	9.0E-04
26	0324	0328	0332				C2.9		1.1E-03
26	0352	0400	0405				C4.0		1.6E-03
26	0420	0423	0426	S16	W49	SF	C1.8	10127	5.5E-04
26	0515	0519	0522				C1.3		5.0E-04
26	0650	0656	0703	N19	W42	SF	C1.3	10132	9.2E-04
26	0815	0819	0821	N22	W41	SF	C1.1	10132	3.4E-04
26	1002	1006	1008	N22	W42	SF	C1.3	10132	3.5E-04
26	1334	1337	1344				C1.7		9.3E-04
26	1838	1842	1846				B9.5		3.9E-04
26	1900	1922	1948				C1.6		3.7E-03
26	2035	2039	2042	N06	E01	SF	C1.1	10130	3.9E-04
27	0118	0148	0237				C5.0		1.8E-02
27	0320	0341	0356	N11	E49	SF	C9.9	10134	1.5E-02
27	0808	0824	0837	N12	E46	SF	C4.8	10134	6.8E-03
27	1259	1312	1323	N13	E45	SF	M1.8	10134	1.7E-02
27	1639	1655	1709	N13	E40	SF	C3.2	10134	4.7E-03
27	1859	1904	1909				C3.4	10134	1.4E-03
27	1933	1942	1949	N13	E38	SF	M1.4	10134	7.7E-03
28	0040	0112	0135				C3.4	10134	8.3E-03
28	0436	0440	0444				C1.0		4.1E-04
28	0519	0523	0526	S06	W55	SF	C1.0	10125	3.6E-04
28	0715	0718	0720	N12	E31	SF	C1.2	10134	3.0E-04
28	0728	0731	0734				C1.1	10134	3.6E-04
28	0856	0900	0904	N11	E29	SF	B8.2	10134	3.5E-04
28	0958	1001	1006				B7.7	10134	3.3E-04
28	1035	1055	1121				C3.4	10134	7.4E-03
28	1919	1930	1934				C2.0	10134	1.7E-03
28	2128	2131	2133				C1.5	10134	3.4E-04
29	0155	0201	0209				C1.3		1.0E-03
29	0632	0639	0641	N12	E21	2N	M2.6	10134	6.8E-03
29	0837	0859	0934	S08	W70	SF	C7.8	10125	1.6E-02
29	1444	1449	1453	N10	E13	1N	C9.3	10134	2.9E-03
29	2130	2139	2143				C1.1		7.7E-04
29	2202	2219	2223				C1.5		1.6E-03
29	2251	2255	2303				C2.1	10134	1.4E-03
29	2320	2327	2332				C5.3	10134	2.7E-03
30	0142	0150	0154	N13	E10	1B	M2.1	10134	6.8E-03
30	0307	0312	0314	N12	E05	SF	C1.6	10134	4.8E-04
30	0412	0422	0426	N11	E10	SF	C2.1	10134	1.1E-03
30	0526	0531	0536	N13	E07	1F	C5.3	10134	2.1E-03
30	0541	0545	0547	N12	E03	SF	C5.1	10134	1.4E-03
30	0633	0643	0653	N12	E08	SF	C3.2	10134	2.7E-03
30	0658	0701	0703				C2.6		6.3E-04
30	0803	0809	0819	N12	E07	SF	C2.1	10134	1.7E-03
30	0836	0844	0853				C1.7		1.5E-03
30	0915	0920	0923	N12	E07	SF	C2.2	10134	7.6E-04
30	1036	1040	1042				C1.3		3.9E-04
30	1056	1103	1111				C2.0		1.3E-03
30	1137	1142	1144	N13	W02	SF	C2.2	10134	5.4E-04
30	1714	1720	1724	N14	E00	SF	C2.3	10134	1.1E-03
30	1854	1901	1907				C2.2	10134	1.2E-03