X - R A Y S O L A R F L A R E S

AUGUST 2005

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Xray	Total Integrated Flux(1)	Total Area(2)	Total(3) Intensity
GOES	01	0116	0120	0122	N15	E75	10795			6	B 6.0	1.5E-04	5.8E+02	1.5E+03
GOES		0320	0324	0327	N13	E37	10792			7	B 4.8	1.4E-04	4.0E+02	8.1E+02
GOES		0514	0519	0522	N13	E36	10792			8	C 1.4	4.0E-04	1.5E+03	4.2E+03
GOES		0633	0636	0638	N13	E34	10792			5	B 2.9	7.7E-05	1.3E+02	2.3E+02
GOES		1101	1107	1113	N13	E32	10792			12	B 5.0	2.9E-04	3.8E+02	7.4E+02
GOES		1214	1221	1227	S12	E61	10794			13	C 5.8	2.7E-03	2.2E+03	1.4E+04
GOES		1300	1351	1429	N13	E32	10792			89	M 1.0	2.9E-02	5.8E+03	4.2E+04
GOES		2002	2007	2012						10	B 4.4	2.3E-04		
GOES		2149	2153	2155	N10	E24	10792			6	B 3.9	1.2E-04	3.0E+02	6.3E+02
GOES		2325	2328	2330	N13	E25	10792			5	B 4.5	1.1E-04	6.0E+02	1.4E+03
GOES	02	0251	0254	0257	N13	E23	10792			6	B 3.4	1.1E-04	2.5E+02	4.9E+02
GOES		0733	0746	0756	S13	E52	10794			23	C 2.9	2.6E-03	2.0E+03	1.2E+04
GOES		0947	0958	1005	N13	E19	10792			18	B 4.7	4.4E-04	8.3E+02	1.7E+03
GOES		1120	1124	1127	N14	E18	10792			7	B 3.4	1.2E-04	2.3E+02	4.2E+02
GOES		1135	1140	1145	N09	E20	10792			10	B 4.4	2.2E-04	5.0E+01	8.9E+01
GOES		1209	1222	1232	N11	E15	10792			23	B 5.9	6.8E-04	9.0E+02	1.7E+03
GOES		1238	1245	1301						23	C 8.7	7.4E-03		
GOES		1822	1831	1837	S13	E47	10794			15	M 4.2	2.0E-02	8.6E+03	8.6E+04
GOES		2011	2016	2019	N10	E16	10792			8	C 6.7	1.5E-03	2.5E+03	1.7E+04
GOES		2049	2054	2058	N13	E16	10792			9	B 8.2	3.1E-04	6.8E+02	1.7E+03
GOES		2309	2312	2316	N10	E09	10792			7	B 4.4	1.7E-04	1.3E+02	2.2E+02
GOES	03	0124	0131	0138	N10	E09	10792			14	B 5.3	3.7E-04	5.8E+02	1.2E+03
GOES		0230	0236	0240	N10	E12	10792			10	B 8.3	3.4E-04	7.5E+02	2.5E+03
GOES		0241	0245	0250			10792			9	C 1.7	7.4E-04		
GOES		0454	0506	0511	S13	E45	10794			17	M 3.4	1.8E-02	2.6E+04	9.0E+04
GOES		0600	0604	0609	N11	E05	10792			9	B 5.9	2.9E-04	5.8E+02	1.1E+03
GOES		1012	1017	1021			10794			9	B 3.0	1.4E-04		
GOES		1207	1221	1228			10794			21	B 3.9	3.9E-04		
GOES		1348	1407	1418	S14	E36	10794			30	C 9.3	1.0E-02	4.6E+03	3.6E+04
GOES		1752	1811	1821	N13	E01	10792			29	B 6.5	7.9E-04	4.5E+02	8.0E+02
GOES		2018	2023	2028			10792			10	B 5.1	2.3E-04		
GOES		2054	2108	2130	N10	W05	10792			36	C 2.1	3.4E-03	4.2E+03	1.1E+04
GOES	04	0307	0314	0320	N11	W07	10792			13	C 1.1	6.4E-04	2.0E+03	5.0E+03
GOES		0501	0505	0509	S10	E25	10794			8	B 3.5	1.5E-04	2.3E+02	4.6E+02
GOES		0525	0559	0622	S15	E28	10794			57	C 8.4	1.5E-02	5.6E+03	3.2E+04
GOES		1238	1242	1248	S10	E21	10794			10	B 9.8	3.7E-04	6.3E+02	3.2E+03
GOES		1345	1352	1403	S13	E21	10794			18	B 7.4	6.1E-04	8.8E+02	1.8E+03
GOES		1527	1536	1603	N14	W09	10792			36	B 4.0	7.7E-04	1.3E+02	2.2E+02
GOES		1734	1739	1746	S12	E19	10794			12	B 3.2	2.0E-04	3.0E+02	6.0E+02
GOES		1849	1854	1859	S12	E18	10794			10	B 7.9	3.2E-04	9.5E+02	2.7E+03
GOES		2050	2054	2058						8	B 2.9	1.3E-04		
GOES		2206	2438	2513						187	B 5.4	4.3E-03T		
GOES	05	0614	0623	0634	S14	E12	10794			20	B 4.3	4.5E-04	7.5E+01	1.3E+02
GOES		0659	0805	0847	N14	W19	10792			108	C 2.6	1.2E-02	5.9E+03	1.2E+04
GOES		1754	1800	1818	S14	E04	10794			24	B 3.9	5.2E-04	3.0E+02	5.2E+02
GOES		1954	2000	2008	S14	E04	10794			14	B 9.5	6.7E-04	1.7E+03	3.7E+03
GOES		2022	2044	2053			10794			31	C 1.1	1.4E-03		
GOES	06	0202	0210	0223						21	B 3.6	4.0E-04		
GOES		0803	0815	0822	N14	W33	10792			19	B 6.8	5.8E-04	4.8E+02	1.0E+03
GOES	07	0101	0106	0109	N13	W90	10793			8	B 2.3	9.7E-05	7.5E+01	1.3E+02
GOES		1143	1249	1410	N08	W60	10792			147	C 1.4	9.0E-03	3.0E+03	8.2E+03
GOES		2315	2320	2329	S14	W26	10794			14	B 2.8	2.1E-04	1.3E+02	2.3E+02
GOES	08	2019	2023	2025	N12	W70	10792			6	B 2.4	7.0E-05	5.0E+01	9.0E+01
GOES		2310	2314	2317						7	B 1.6	5.9E-05		
GOES	09	0023	0028	0031	N12	W73	10792			8	B 2.7	9.1E-05	2.3E+02	4.3E+02
GOES		1143	1148	1151	S07	W76	10796			8	B 1.7	6.7E-05	1.5E+02	2.8E+02
GOES		1204	1207	1209						5	B 1.5	4.3E-05		
GOES		1841	1846	1853						12	B 1.7	1.1E-04		
GOES	10	0007	0010	0017						10	B 1.4	7.8E-05		

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Xray	Total Integrated Flux(1)	Total Area(2)	Total(3) Intensity
GOES	10	0035	0039	0045	N12	W90	10792			10	B 2.1	1.0E-04	3.3E+02	6.1E+02
GOES		0240	0243	0247						7	B 1.2	4.3E-05		
GOES		0312	0315	0319						7	B 1.2	4.6E-05		
GOES	11	1604	1610	1618			10795			14	B 1.3	9.5E-05		
GOES	12	1849	1857	1902			10797			13	B 1.2	8.4E-05		
GOES	13	1421	1440	1457						36	B 1.7	3.3E-04		
GOES		1842	1845	1847	S15	E30	10797			5	B 1.6	3.0E-05	1.5E+02	3.4E+02
GOES	14	1833	1839	1851			10797			18	B 1.1	1.1E-04		
GOES	15	0035	0041	0048	S15	E14	10797			13	B 1.2	8.3E-05	2.5E+02	4.5E+02
GOES		1524	1529	1532	S14	E05	10797			8	B 1.2	4.9E-05	1.3E+02	2.8E+02
GOES	16	1233	1236	1239						6	B 1.0	3.4E-05		
GOES	17	0503	0506	0512						9	B 1.0	4.7E-05		
GOES		1922	1926	1934						12	B 1.1	7.2E-05		
GOES	18	1141	1148	1151	S11	W51				10	B 5.6	1.9E-04	6.8E+02	2.5E+03
GOES		1556	1605	1608	S11	W54				12	B 2.6	1.3E-04	3.5E+02	7.8E+02
GOES		1739	1743	1750	S11	W55				11	B 2.0	1.1E-04	2.8E+02	5.4E+02
GOES	19	0009	0013	0015						6	B 1.4	4.3E-05		
GOES		0129	0135	0141	S16	W39	10797			12	B 2.6	1.4E-04	2.8E+02	4.8E+02
GOES		0142	0204	0220						38	B 3.1	6.6E-04		
GOES		0433	0441	0447	S12	W12	10798			14	B 1.8	1.2E-04	2.3E+02	4.4E+02
GOES		0721	0724	0730						9	B 1.4	7.3E-05		
GOES		0958	1004	1008						10	B 2.0	1.1E-04		
GOES		1218	1223	1228	S11	W66	10799			10	B 2.7	1.4E-04	1.0E+02	1.8E+02
GOES		1331	1338	1347						16	B 2.1	1.8E-04		
GOES		1505	1512	1518	N08	E74				13	B 3.8	2.3E-04	3.3E+02	5.9E+02
GOES		1534	1539	1544	N19	E50	10800			10	B 3.1	1.7E-04	3.0E+02	5.6E+02
GOES		1549	1552	1557	S11	W67	10799			8	B 4.0	1.6E-04	6.0E+02	1.6E+03
GOES		1735	1745	1757	S10	W70	10799			22	B 2.8	3.5E-04	2.0E+02	3.7E+02
GOES		2013	2018	2023	N06	E71				10	B 2.7	1.4E-04	3.3E+02	6.5E+02
GOES		2200	2204	2208						8	B 1.5	6.7E-05		
GOES		2315	2320	2325						10	B 2.0	1.1E-04		
GOES	20	0258	0338	0358						60	B 3.4	1.0E-03		
GOES		0745	0813	0904						79	B 6.4	2.2E-03		
GOES		0917	0921	0926	S10	W29	10798			9	B 4.0	2.0E-04	1.4E+03	3.2E+03
GOES		1253	1257	1259	S10	W30	10798			6	B 3.1	1.0E-04	3.5E+02	8.3E+02
GOES		1532	1541	1545	S10	W32	10798			13	B 2.9	2.1E-04	1.0E+02	1.8E+02
GOES		1646	1653	1708						22	B 3.2	3.8E-04		
GOES		2044	2048	2051	S10	W34	10798			7	B 3.5	1.3E-04	2.0E+02	3.9E+02
GOES	21	0054	0100	0105	S09	W37	10798			11	B 8.0	4.2E-04	4.0E+02	7.5E+02
GOES		1006	1019	1024	S09	W42	10798			18	C 2.8	1.5E-03	2.2E+03	7.3E+03
GOES		1431	1437	1443	S10	W90	10799			12	B 4.6	2.7E-04	3.8E+02	7.7E+02
GOES		1501	1505	1507	S10	W90	10799			6	B 4.0	1.2E-04	1.3E+02	2.2E+02
GOES		1943	1946	1948						5	B 2.4	6.0E-05		
GOES		2230	2234	2239	S10	W49	10798			9	B 3.9	1.9E-04	2.0E+02	3.7E+02
GOES	22	0044	0133	0218	S11	W54	10798			94	M 2.6	9.6E-02	1.1E+04	8.0E+04
GOES		1417	1421	1425	S10	W58	10798			8	B 5.2	1.9E-04	4.0E+02	8.4E+02
GOES		1556	1617	1633	S10	W59	10798			37	B 5.3	8.3E-04	1.5E+02	2.5E+02
GOES		1646	1727	1802	S13	W65	10798			76	M 5.6	1.7E-01	1.4E+04	1.2E+05
GOES	23	0050	0055	0058	N16	E05	10800			8	B 5.7	2.1E-04	7.5E+02	2.0E+03
GOES		0116	0122	0127	N17	E05	10800			11	B 6.0	3.0E-04	8.8E+02	2.0E+03
GOES		0410	0415	0419	N17	E03	10800			9	B 4.7	2.1E-04	5.3E+02	1.3E+03
GOES		0420	0429	0434	N17	E03	10800			14	B 6.7	4.8E-04	1.1E+03	3.1E+03
GOES		0549	0552	0554						5	B 6.8	1.7E-04		
GOES		1419	1444	1608	S14	W90	10798			109	M 2.7	1.2E-01	1.4E+04	6.8E+04
GOES		2027	2031	2036	N17	W06	10800			9	C 1.9	9.0E-04	1.1E+03	3.0E+03

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Xray	Total Integrated Flux(1)	Total Area(2)	Total(3) Intensity
GOES	23	2158	2205	2211	N12	E85				13	C 3.4	2.0E-03	2.7E+03	1.2E+04
GOES		2310	2315	2319	N13	E85				9	C 1.2	6.2E-04	1.6E+03	4.1E+03
GOES	24	0155	0201	0207	N12	E85				12	C 2.2	1.2E-03	2.9E+03	1.0E+04
GOES		0244	0248	0256	N18	W09	10800			12	B 9.6	5.7E-04	8.5E+02	2.4E+03
GOES		0407	0411	0418	N12	E84				11	C 1.2	7.0E-04	1.7E+03	3.8E+03
GOES		0613	0706	0728	S11	W90	10798			75	C 4.7	1.3E-02	7.0E+03	2.3E+04
GOES		2013	2016	2021						8	B 5.4	2.3E-04		
GOES		2035	2039	2047						12	B 4.4	2.9E-04		
GOES	25	0431	0440	0445	N09	E80	10803			14	M 6.4	2.5E-02	1.2E+04	1.2E+05
GOES		1044	1048	1053						9	B 3.6	1.7E-04		
GOES		1104	1108	1113	N10	E73	10803			9	B 3.5	1.7E-04	3.8E+02	7.0E+02
GOES		1309	1312	1315						6	B 3.6	1.1E-04		
GOES		1339	1353	1405	N09	E71	10803			26	B 5.4	7.2E-04	7.3E+02	1.8E+03
GOES		1421	1428	1435	N09	E72	10803			14	B 5.8	4.2E-04	1.0E+03	2.1E+03
GOES		2259	2303	2306	N11	E63	10803			7	B 2.8	1.0E-04	5.3E+02	1.1E+03
GOES	26	0241	0312	0338	N12	E68	10803			57	C 1.3	3.3E-03	2.3E+03	7.6E+03
GOES		1139	1155	1210	N10	E61	10803			31	C 2.1	2.7E-03	2.1E+03	9.9E+03
GOES		1547	1603	1621						34	B 8.5	1.4E-03		
GOES		2152	2202	2208	N10	E50	10803			16	C 2.3	1.9E-03	2.9E+03	9.8E+03
GOES		2344	2351	2358	N10	E55	10803			14	B 5.0	3.7E-04	6.5E+02	1.6E+03
GOES	27	0916	0920	0923	N11	E45	10803			7	B 3.3	1.2E-04	5.3E+02	1.1E+03
GOES		2036	2051	2105	N10	E37	10803			29	C 1.4	1.6E-03	1.7E+03	6.5E+03
GOES	28	0627	0631	0635						8	B 1.5	6.6E-05		
GOES		0918	0925	0930						12	B 1.8	1.1E-04		
GOES		1017	1028	1037	N09	E36	10803			20	M 1.6	1.3E-02	5.9E+03	5.3E+04
GOES		1059	1102	1105	N10	E29	10803			6	B 8.2	2.4E-04	9.8E+02	3.0E+03
GOES		1942	1951	1954	N10	E24	10803			12	B 4.5	2.1E-04	8.5E+02	2.4E+03
GOES	29	0151	0158	0202	N10	E21	10803			11	B 4.4	1.9E-04	8.3E+02	1.9E+03
GOES		0225	0229	0231	N09	E25	10803			6	B 5.0	9.4E-05	4.8E+02	1.1E+03
GOES		0543	0551	0558	N11	E20	10803			15	B 2.6	1.9E-04	5.0E+01	8.6E+01
GOES		1655	1703	1711	S16	E51	10806			16	C 1.3	8.3E-04	1.2E+03	5.0E+03
GOES		1829	1840	1852	S18	E50	10806			23	B 5.6	6.3E-04	1.3E+03	3.2E+03
GOES		2148	2155	2202	S16	E49	10806			14	C 6.5	3.0E-03	2.8E+03	1.9E+04
GOES		2244	2248	2251	S17	E48	10806			7	B 5.7	2.0E-04	1.6E+03	3.7E+03
GOES		2301	2307	2314	S16	E48	10806			13	B 7.5	5.0E-04	1.6E+03	4.6E+03
GOES		2355	2401	2406	S18	E48	10806			11	C 1.2	5.3E-04	2.1E+03	7.0E+03
GOES	30	0233	0240	0244						11	B 2.6	1.6E-04		
GOES		0412	0423	0433	S16	E46	10806			21	C 1.4	1.0E-03	1.7E+03	6.4E+03
GOES		0617	0624	0639	S18	E43	10806			22	B 2.4	2.9E-04	1.0E+02	1.7E+02
GOES		1453	1501	1519						26	B 2.2	2.9E-04		
GOES		2334	2340	2345	S18	E35	10806			11	B 1.9	9.8E-05	2.3E+02	4.1E+02
GOES	31	0018	0023	0033	S18	E35	10806			15	B 1.6	1.3E-04	5.0E+01	8.4E+01
GOES		0052	0110	0123	S18	E34	10806			31	B 5.0	5.9E-04	8.5E+02	2.1E+03
GOES		0952	1002	1008	S17	E32	10806			16	B 3.2	2.2E-04	6.5E+02	1.6E+03
GOES		1026	1151	1251	N13	W13	10803			145	C 2.0	1.2E-02	4.8E+03	1.1E+04
GOES		2258	2306	2316	S18	E22	10806			18	B 2.1	1.9E-04	2.8E+02	5.1E+02

Note 1: Total integrated flux computed from the event start time to end if available (units=J/m*2).

Note 2: Total area is derived from SXI imagery in units of squared arc seconds of the largest flaring area.

Note 3: Total intensity is derived from SXI imagery in units of data numbers/second of the largest flaring area.

TABLE FORMAT CHANGE: Data are from the GOES full disk xray monitor supplemented with Solar Xray Imager (SXI) data since January, 2004. Positions, areas, and intensities are taken from SXI imagery using the largest flare event on the disk. Only the largest event is selected during multiple flares on the disk.