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

APRIL 2006

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	0025	0040	0103	S11	E18	10865			38	B 7.8	1.3E-03	2.1E+03	5.0E+03
GOES		0456	0459	0502						6	B 1.7	5.8E-05		
GOES		1346	1403	1415						29	B 3.7	4.9E-04		
GOES	02	0048	0052	0054	S16	E28	10866			6	B 1.4	3.9E-05	1.5E+02	2.9E+02
GOES		0229	0233	0235	S16	E27	10866			6	B 1.9	4.7E-05	1.5E+02	3.0E+02
GOES		1326	1333	1335	S16	E25	10866			9	B 6.7	1.6E-04	6.5E+02	2.5E+03
GOES		1501	1505	1516						15	B 1.7	1.3E-04		
GOES		1613	1623	1632						19	B 1.4	1.5E-04		
GOES		1753	1802	1825	S11	W05	10865			32	B 3.2	5.4E-04	4.5E+02	7.9E+02
GOES	03	0105	0108	0111						6	B 1.7	5.3E-05		
GOES		1023	1027	1029	S16	E04	10867			6	B 3.6	1.1E-04	3.8E+02	1.0E+03
GOES		1037	1048	1057						20	B 4.0	4.3E-04		
GOES		1200	1203	1205	S16	E13	10867			5	C 1.8	3.8E-04	1.2E+03	6.8E+03
GOES		1220	1224	1226	S16	E04	10867			6	B 9.0	2.2E-04	6.0E+02	2.3E+03
GOES		1607	1625	1627			10867			20	C 1.4	8.4E-04		
GOES		2020	2027	2055	S15	E02	10867			35	B 4.3	7.2E-04	4.8E+02	1.3E+03
GOES		2113	2126	2136	S13	W21	10865			23	C 4.0	3.1E-03	3.5E+03	1.4E+04
GOES	04	0051	0057	0101	S15	W01	10867			10	B 5.8	2.2E-04	5.8E+02	2.1E+03
GOES		0238	0305	0323	S15	W01	10867			45	B 3.5	7.9E-04	3.3E+02	7.6E+02
GOES		0449	0453	0504						15	B 7.0	4.5E-04		
GOES		0600	0607	0618	S16	W02	10867			18	B 3.8	3.4E-04	7.0E+02	1.5E+03
GOES		1446	1455	1505	S15	W08	10867			19	B 4.6	3.8E-04	5.5E+02	1.4E+03
GOES		1553	1557	1600	S16	W02	10867			7	B 2.7	9.4E-05	1.8E+02	3.9E+02
GOES		1823	1826	1828	S16	W04	10867			5	B 1.6	3.9E-05	7.5E+01	1.6E+02
GOES		1915	1921	1931	S15	W11	10867			16	B 2.8	2.3E-04	5.0E+01	9.2E+01
GOES	05	0644	0649	0652	S17	W17	10867			8	B 3.1	1.1E-04	3.0E+02	9.3E+02
GOES		1113	1120	1123	S17	W20	10867			10	B 4.8	2.0E-04	4.0E+02	1.4E+03
GOES		1206	1209	1214	S17	W21	10867			8	B 2.1	9.2E-05	7.5E+01	1.3E+02
GOES		1301	1307	1311	S16	W21	10867			10	C 2.6	8.4E-04	1.3E+03	7.9E+03
GOES		1514	1521	1524	S17	W22	10867			10	C 8.1	2.3E-03	3.0E+03	2.2E+04
GOES		1818	1823	1825	S16	W25	10867			7	B 8.2	2.0E-04	6.5E+02	2.2E+03
GOES		1945	1951	1953	S16	W25	10867			8	B 7.3	2.0E-04	5.8E+02	2.1E+03
GOES		2103	2107	2109	S17	W26	10867			6	B 5.1	1.2E-04	5.5E+02	1.7E+03
GOES	06	0317	0321	0323	S04	W28	10866			6	B 3.9	9.1E-05	4.5E+02	1.2E+03
GOES		0522	0533	0536			10865			14	M 1.4	3.8E-03		
GOES		0935	0938	0943	S16	W32	10867			8	B 3.2	1.3E-04	3.8E+02	9.6E+02
GOES		1028	1035	1043						15	B 4.5	3.4E-04		
GOES		1415	1420	1424	S08	W57	10865			9	B 9.9	3.7E-04	1.5E+03	4.3E+03
GOES		1628	1631	1634	S16	W36	10867			6	B 2.6	8.4E-05	1.3E+02	2.4E+02
GOES		1648	1655	1700	S11	E27				12	B 6.7	3.7E-04	1.1E+03	3.5E+03
GOES		2033	2042	2050	S07	W61	10865			17	M 1.2	6.8E-03	5.6E+03	3.7E+04
GOES	07	0118	0121	0124	S08	W63	10865			6	B 2.2	7.3E-05	2.3E+02	4.2E+02
GOES		0457	0500	0502						5	B 3.2	6.6E-05		
GOES		0725	0729	0733	S16	W43	10867			8	B 5.8	2.4E-04	4.5E+02	1.1E+03
GOES		0757	0803	0805	S16	W44	10867			8	C 9.7	2.3E-03	2.8E+03	2.0E+04
GOES		0936	0940	0943	S16	W45	10867			7	B 4.4	1.6E-04	3.0E+02	7.3E+02
GOES		2120	2123	2125	S08	W74	10865			5	B 2.5	6.6E-05	3.3E+02	6.2E+02
GOES		2237	2241	2244	S10	W74	10865			7	B 3.3	1.1E-04	9.8E+02	2.0E+03
GOES	08	0231	0235	0240	S10	W77	10865			9	B 3.3	1.5E-04	9.5E+02	1.9E+03
GOES		0315	0322	0331	S10	W77	10865			16	B 2.5	2.2E-04	1.0E+02	1.7E+02
GOES		1220	1224	1229	S06	E83				9	B 2.3	1.1E-04	7.5E+01	1.2E+02
GOES		1624	1631	1638	S04	E82				14	B 2.5	1.8E-04	5.3E+02	1.0E+03
GOES	09	0547	0552	0610	S07	W51	10868			23	B 2.6	3.3E-04	2.5E+02	5.2E+02
GOES	10	0542	0548	0555	S12	W22	10869			13	B 4.4	2.5E-04	7.3E+02	1.6E+03
GOES		0842	0848	0937	S11	W24	10869			55	B 2.5	7.3E-04	2.8E+02	6.9E+02
GOES		1345	1356	1405	S04	W90	10866			20	B 4.2	3.6E-04	1.0E+03	2.2E+03
GOES		1557	1601	1604						7	B 1.3	5.1E-05		
GOES		1753	1757	1803	S15	W90				10	B 1.6	9.2E-05	1.0E+02	1.7E+02
GOES		1927	1934	1939	S07	E23	10870			12	B 8.7	3.5E-04	5.5E+02	2.3E+03

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

APRIL 2006

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	2036	2041	2050	S11	W31	10869			14	B 2.6	1.8E-04	2.5E+02	4.9E+02
GOES	11	0145	0200	0204	S07	E20	10870			19	C 1.0	5.7E-04	9.0E+02	4.6E+03
GOES		0433	0439	0443	S07	E18	10870			10	C 1.0	3.6E-04	7.8E+02	3.6E+03
GOES		0742	0746	0748						6	B 1.5	4.4E-05		
GOES		1808	1839	1858	S09	E41	10871			50	C 2.3	4.7E-03	4.8E+03	1.5E+04
GOES	13	0201	0204	0207	S07	W07	10870			6	B 1.9	4.7E-05	2.3E+02	6.1E+02
GOES		0637	0641	0643	S07	W09	10870			6	B 1.6	3.3E-05	1.8E+02	4.2E+02
GOES		0656	0659	0701	S05	E34	10873			5	B 1.1	2.1E-05	7.5E+01	1.4E+02
GOES	15	1139	1144	1148						9	B 1.1	5.5E-05		
GOES	16	1820	1829	1840	S08	W29	10871			20	B 1.6	1.6E-04	5.0E+01	1.2E+02
GOES	17	0724	0730	0737						13	B 1.3	8.8E-05		
GOES		1806	1848	1928						82	B 2.0	6.9E-04		
GOES	19	1152	1157	1203						11	B 1.3	6.9E-05		
GOES	20	1727	1731	1738	S05	W90	10871			11	B 1.6	8.4E-05	2.0E+02	3.8E+02
GOES		1857	1904	1910	S05	W90	10871			13	B 2.2	1.3E-04	5.5E+02	1.4E+03
GOES	21	0041	0049	0058	S05	W90	10871			17	B 4.5	3.2E-04	1.1E+03	2.8E+03
GOES		2040	2047	2100						20	B 1.8	1.9E-04		
GOES		2351	2355	2359						8	B 1.0	4.5E-05		
GOES	22	0240	0252	0319						39	B 3.5	6.7E-04		
GOES		0511	0522	0540	S09	E85				29	B 5.6	7.8E-04	9.8E+02	2.1E+03
GOES		0831	0841	0847	S08	E83				16	B 6.0	4.0E-04	6.8E+02	1.3E+03
GOES		1238	1248	1253						15	B 1.3	1.1E-04		
GOES		1451	1457	1503	S07	E84				12	B 1.9	1.2E-04	9.0E+02	1.8E+03
GOES		1630	1639	1649	S07	E90				19	C 2.6	1.8E-03	3.4E+03	1.3E+04
GOES		1917	1926	1933	S07	E82				16	B 2.4	1.8E-04	3.5E+02	6.2E+02
GOES		2038	2044	2047						9	B 1.2	5.6E-05		
GOES		2234	2238	2241	S07	E82				7	B 1.8	6.1E-05	1.0E+03	2.3E+03
GOES		2242	2248	2253	S07	E83				11	B 3.1	1.6E-04	1.2E+03	2.6E+03
GOES	23	0339	0344	0347	S07	E82				8	B 4.8	2.0E-04	2.0E+03	4.9E+03
GOES		0429	0438	0447	S07	E80				18	B 2.2	2.1E-04	1.3E+03	2.6E+03
GOES		0649	0656	0715	S07	E79				26	B 7.3	8.2E-04	2.3E+03	7.0E+03
GOES		1328	1333	1359	S07	E75				31	B 2.9	4.9E-04	1.5E+03	3.1E+03
GOES		1421	1427	1434	S07	E76				13	B 5.5	3.3E-04	2.3E+03	5.3E+03
GOES		1518	1523	1526	S07	E74				8	B 5.9	2.0E-04	1.7E+03	4.2E+03
GOES		2009	2025	2034	S07	E73	10875			25	B 3.2	4.2E-04	1.5E+03	3.0E+03
GOES	24	0030	0033	0035	S07	E72	10875			5	B 2.5	6.0E-05	1.5E+02	2.6E+02
GOES		0356	0404	0413	S07	E70	10875			17	C 1.0	7.3E-04	2.2E+03	6.8E+03
GOES		0935	0938	0941	S07	E67	10875			6	B 3.9	1.3E-04	1.4E+03	2.8E+03
GOES		0949	0952	0957	S07	E67	10875			8	B 3.8	1.6E-04	1.3E+03	2.5E+03
GOES		1440	1445	1451	S07	E65	10875			11	B 4.2	2.3E-04	1.6E+03	3.1E+03
GOES		1628	1631	1633	S06	E63	10875			5	B 2.7	7.1E-05	7.3E+02	1.5E+03
GOES	25	0152	0213	0236			10875			44	B 6.0	1.2E-03		
GOES		0636	0726	0812			10875			96	C 1.3	5.9E-03		
GOES		1431	1436	1440	S06	E51	10875			9	B 4.8	1.8E-04	6.5E+02	1.4E+03
GOES		1543	1606	1622			10875			39	B 4.2	8.4E-04		
GOES		1700	1706	1717			10876			17	B 2.9	2.7E-04		
GOES	26	0443	0446	0448	S09	E44	10875			5	B 3.7	9.8E-05	4.8E+02	1.0E+03
GOES		0559	0602	0605	S09	E44	10875			6	B 4.5	1.3E-04	6.3E+02	1.8E+03
GOES		0627	0630	0632	S09	E44	10875			5	B 4.0	1.0E-04	5.5E+02	1.3E+03
GOES		0638	0646	0651	S07	E43	10875			13	C 1.0	5.8E-04	2.5E+03	6.5E+03
GOES		0718	0721	0724						6	B 3.3	1.1E-04		
GOES		0738	0743	0750	S09	E43	10875			12	B 5.0	2.9E-04	1.0E+03	2.4E+03
GOES		0815	0819	0823	S08	E42	10875			8	B 3.0	1.3E-04	1.0E+02	1.7E+02
GOES		0826	0831	0838	S07	E41	10875			12	B 8.3	4.5E-04	2.1E+03	4.8E+03
GOES		1005	1008	1010						5	B 3.0	7.8E-05		

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

APRIL 2006

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	26	1105	1111	1118	S08	E42	10875			13	B 4.4	2.8E-04	1.1E+03	2.4E+03
GOES		1212	1226	1234	S07	E40	10875			22	C 1.2	9.6E-04	2.6E+03	7.1E+03
GOES		1251	1254	1257	S09	E41	10875			6	B 3.7	1.2E-04	4.8E+02	1.0E+03
GOES		1319	1329	1333						14	B 3.7	2.8E-04		
GOES		1342	1356	1405	S08	E40	10875			23	C 7.7	6.2E-03	6.2E+03	3.7E+04
GOES		1432	1453	1458	S08	E39	10875			26	C 9.1	7.2E-03	6.0E+03	3.6E+04
GOES		1651	1702	1710	S08	E38	10875			19	M 1.3	8.0E-03	7.1E+03	4.9E+04
GOES		1817	1827	1832	S09	E39	10875			15	C 2.6	1.6E-03	4.3E+03	1.7E+04
GOES		2051	2108	2117	S07	E35	10875			26	C 3.6	3.5E-03	4.2E+03	1.8E+04
GOES	27	0344	0349	0404	S07	E31	10875			20	B 4.3	4.1E-04	5.3E+02	9.7E+02
GOES		0431	0435	0437	S09	E33	10875			6	B 2.5	7.6E-05	2.3E+02	4.7E+02
GOES		0450	0453	0456	S09	E32	10875			6	B 5.1	1.3E-04	6.5E+02	1.7E+03
GOES		1222	1302	1315						53	B 4.9	9.5E-04		
GOES		1522	1552	1558	S08	E26	10875			36	M 7.9	3.7E-02	1.4E+04	1.4E+05
GOES	28	0257	0301	0304	S12	E27	10875			7	B 2.9	9.9E-05	3.0E+02	7.5E+02
GOES		0325	0341	0348	S06	E18	10875			23	B 5.0	5.6E-04	1.1E+03	2.4E+03
GOES		0736	0747	0803	S06	E16	10875			27	B 4.0	5.2E-04	8.3E+02	1.6E+03
GOES		0818	0826	0843	S07	E16	10875			25	C 1.9	2.0E-03	2.7E+03	1.1E+04
GOES		2049	2053	2056	N14	E83				7	B 3.6	1.3E-04	3.0E+02	6.4E+02
GOES		2323	2336	2352	N16	E90				29	C 2.3	2.8E-03	2.2E+03	1.2E+04
GOES	29	0612	0616	0621	N15	E80				9	B 3.6	1.6E-04	3.5E+02	6.9E+02
GOES		1615	1631	1645	N16	E81				30	C 2.3	2.7E-03	2.5E+03	1.5E+04
GOES		1827	1852	1905	S07	W04	10875			38	C 1.1	2.1E-03	3.5E+03	9.7E+03
GOES		2103	2140	2201						58	B 4.1	1.1E-03		
GOES		2232	2236	2239	S16	E18	10876			7	B 3.3	1.2E-04	2.0E+02	3.6E+02
GOES		2314	2320	2326	S06	W07	10875			12	B 5.7	3.6E-04	1.7E+03	4.0E+03
GOES	30	0133	0157	0207	N16	E74				34	C 5.3	6.4E-03	3.4E+03	2.4E+04
GOES		0325	0332	0335	S13	W11	10875			10	B 3.5	1.9E-04	2.3E+02	4.8E+02
GOES		0913	0932	0937	S09	E08	10876			24	C 1.8	1.9E-03	2.3E+03	1.2E+04
GOES		2356	2401	2416						20	B 2.0	2.2E-04		

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.