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

NOVEMBER 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	02	1352	1406	1416	S81	E90				24	B 1.7	1.9E-04	7.5E+01	2.2E+02
GOES		1443	1448	1452	S07	E09	10818			9	B 2.0	9.4E-05	2.3E+02	4.2E+02
GOES	03	0426	0446	0501	S08	W06	10819			35	B 9.1	1.1E-03	1.7E+03	6.0E+03
GOES		0708	0720	0736	S10	W07	10819			28	B 3.0	3.7E-04	5.3E+02	1.2E+03
GOES	05	1614	1619	1630	S15	W26	10820			16	B 1.2	1.0E-04	1.0E+02	1.7E+02
GOES		1724	1728	1733	S15	W26	10820			9	B 1.2	5.8E-05	1.8E+02	3.1E+02
GOES		1817	1823	1831						14	B 2.0	1.3E-04		
GOES		2055	2103	2108	S15	W28	10820			13	B 6.4	3.1E-04	9.0E+02	3.1E+03
GOES		2150	2154	2158	S16	W29	10820			8	B 3.0	9.7E-05	6.5E+02	1.5E+03
GOES		2249	2303	2310	S16	W29	10820			21	B 3.2	3.0E-04	7.0E+02	1.6E+03
GOES	06	0049	0054	0101						12	B 1.4	8.2E-05		
GOES		0152	0202	0211	S15	W31	10820			19	B 3.5	2.7E-04	8.0E+02	1.7E+03
GOES		0533	0544	0553	S15	W33	10820			20	B 4.5	3.5E-04	1.0E+03	2.3E+03
GOES		0706	0710	0713						7	B 1.2	3.8E-05		
GOES		1438	1443	1446	S15	W38	10820			8	C 1.1	2.9E-04	1.0E+03	4.3E+03
GOES		2314	2320	2327	S14	W43	10820			13	B 4.4	2.1E-04	6.5E+02	2.0E+03
GOES	07	0232	0235	0239			10820			7	B 1.0	3.9E-05		
GOES		0356	0400	0410			10820			14	B 1.0	8.2E-05		
GOES		0740	0805	0821	N62	E51	10820			41	B 2.2	4.9E-04	5.0E+01	1.3E+02
GOES		1648	1655	1707						19	B 1.6	1.5E-04		
GOES		1934	1938	1940			10819			6	B 1.6	4.0E-05		
GOES		2052	2059	2107	S16	W55	10820			15	B 4.3	2.7E-04	9.3E+02	1.9E+03
GOES		2229	2234	2237	S10	W78	10819			8	B 3.4	1.1E-04	4.5E+02	1.0E+03
GOES	08	0225	0237	0254	S49	E90	10820			29	B 2.4	3.1E-04	1.8E+02	1.3E+03
GOES	09	0200	0205	0209	S15	W74	10820			9	B 2.5	1.0E-04	4.5E+02	8.5E+02
GOES		0241	0301	0306	S16	W77	10820			25	C 1.2	8.8E-04	1.9E+03	7.3E+03
GOES	12	0311	0317	0342	S06	E80				31	B 3.4	4.7E-04	6.2E+03	2.2E+04
GOES		0414	0424	0439	S06	E80	10822			25	B 3.3	4.3E-04	7.0E+03	2.8E+04
GOES		0736	0739	0741	S06	E80	10822			5	B 3.2	8.7E-05	7.8E+03	3.4E+04
GOES		0941	1006	1018	S06	E82	10822			37	B 9.9	1.6E-03	9.4E+03	5.4E+04
GOES		1332	1340	1349	S06	E80	10822			17	B 5.0	4.1E-04	8.3E+03	3.6E+04
GOES		1418	1458	1603	S07	E81	10822			105	C 2.5	9.9E-03	1.3E+04	8.3E+04
GOES		1817	1828	1837	S07	E81	10822			20	B 3.8	3.8E-04	1.1E+04	4.0E+04
GOES		1843	1846	1850	S06	E80	10822			7	B 4.6	1.7E-04	1.0E+04	4.1E+04
GOES		1917	1921	1923	S06	E80	10822			6	B 5.6	1.4E-04	8.7E+03	3.8E+04
GOES		1925	1933	1937	S06	E82	10822			12	C 9.5	3.2E-03	1.6E+04	1.3E+05
GOES		1958	2003	2007	S06	E79	10822			9	B 6.9	2.7E-04	9.4E+03	5.2E+04
GOES	13	0013	0036	0045	S06	E86	10822			32	C 9.5	9.1E-03	2.1E+04	2.0E+05
GOES		0205	0225	0240	S07	E78	10822			35	B 7.6	1.1E-03	1.0E+04	5.1E+04
GOES		0309	0406	0413	S07	E79	10822			64	C 1.9	5.5E-03	1.3E+04	8.7E+04
GOES		0428	0525	0535	S07	E80	10822			67	C 6.7	1.7E-02	2.2E+04	1.7E+05
GOES		0600	0603	0611	S07	E78	10822			11	C 2.7	1.5E-03	1.8E+04	1.1E+05
GOES		1241	1249	1257	S07	E74	10822			16	C 2.7	1.7E-03	1.3E+04	7.6E+04
GOES		1414	1417	1419						5	B 3.8	1.0E-04		
GOES		1429	1451	1456	S07	E77	10822			27	M 2.5	1.6E-02	3.2E+04	3.0E+05
GOES		1923	1926	1928						5	B 3.9	9.8E-05		
GOES		2001	2009	2020	S07	E70	10822			19	B 7.4	6.8E-04	1.4E+04	5.9E+04
GOES		2119	2158	2216	S07	E70	10822			57	C 2.8	4.6E-03	1.5E+04	9.4E+04
GOES	14	0019	0049	0108	S08	E67	10822			49	C 2.0	4.3E-03	1.9E+04	1.0E+05
GOES		0149	0205	0218	S07	E67	10822			29	C 1.4	2.0E-03	1.5E+04	7.5E+04
GOES		0355	0402	0405	S07	E63	10822			10	C 7.3	2.5E-03	2.0E+04	1.4E+05
GOES		0416	0421	0427	S07	E68	10822			11	M 2.6	1.0E-02	3.3E+04	2.8E+05
GOES		0547	0553	0559	S08	E65	10822			12	C 1.0	5.8E-04	1.7E+04	6.4E+04
GOES		0630	0658	0705	S07	E63	10822			35	B 8.4	1.3E-03	1.4E+04	6.2E+04
GOES		0830	0837	0841	S07	E61	10822			11	C 2.8	1.0E-03	1.5E+04	8.1E+04
GOES		0900	0903	0909	S06	E62	10822			9	B 4.4	2.2E-04	1.0E+04	3.9E+04
GOES		0948	0955	0958	S07	E61	10822			10	B 8.7	4.0E-04	1.2E+04	5.6E+04
GOES		1144	1149	1154	S07	E61	10822			10	C 1.0	5.2E-04	1.6E+04	6.7E+04
GOES		1217	1234	1313						56	C 1.4	4.2E-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	14	1416	1421	1423	S06	E60	10822			7	M 3.9	5.9E-03	4.8E+04	3.8E+05
GOES		2153	2200	2204	S07	E54	10822			11	M 1.0	3.7E-03	2.2E+04	1.7E+05
GOES		2231	2235	2243	S07	E56	10822			12	B 9.6	6.2E-04	1.5E+04	6.7E+04
GOES	15	0014	0022	0029	S07	E55	10822			15	B 8.4	6.1E-04	1.6E+04	6.7E+04
GOES		0045	0054	0101	S07	E53	10822			16	C 1.4	1.2E-03	1.5E+04	7.7E+04
GOES		0134	0138	0142	S07	E55	10822			8	B 6.8	2.7E-04	1.4E+04	5.6E+04
GOES		0250	0305	0312	S07	E51	10822			22	C 5.2	3.6E-03	1.8E+04	1.3E+05
GOES		0420	0423	0431	S08	E53	10822			11	B 8.0	4.6E-04	1.8E+04	6.9E+04
GOES		0540	0545	0550	S07	E52	10822			10	B 7.6	3.4E-04	1.8E+04	6.9E+04
GOES		0624	0646	0654	S07	E50	10822			30	B 9.3	1.1E-03	1.6E+04	6.8E+04
GOES		0736	0739	0742	S07	E50	10822			6	B 5.7	1.7E-04	1.4E+04	5.7E+04
GOES		0748	0754	0801	S07	E51	10822			13	B 8.6	5.0E-04	1.3E+04	6.0E+04
GOES		0805	0818	0823	S07	E51	10822			18	C 2.3	1.6E-03	1.4E+04	8.2E+04
GOES		0828	0832	0834	S07	E51	10822			6	C 1.3	3.9E-04	1.4E+04	7.5E+04
GOES		1042	1045	1051	S07	E48	10822			9	B 4.1	2.0E-04	1.1E+04	3.8E+04
GOES		1105	1117	1125	S07	E48	10822			20	B 8.1	8.4E-04	1.3E+04	5.5E+04
GOES		1157	1205	1208	S07	E49	10822			11	C 2.3	9.4E-04	1.5E+04	8.8E+04
GOES		1237	1243	1248	S07	E48	10822			11	C 1.0	5.5E-04	1.4E+04	7.3E+04
GOES		1257	1300	1302	S07	E48	10822			5	B 6.1	1.5E-04	1.4E+04	6.6E+04
GOES		1309	1312	1314						5	B 6.8	1.8E-04		
GOES		1335	1338	1340	S07	E47	10822			5	B 6.1	1.5E-04	1.4E+04	6.1E+04
GOES		1519	1523	1525	S07	E47	10822			6	B 4.1	1.2E-04	1.1E+04	4.5E+04
GOES		1528	1532	1535	S07	E47	10822			7	C 2.0	5.1E-04	1.2E+04	6.8E+04
GOES		1537	1540	1542						5	C 2.1	4.8E-04		
GOES		1553	1557	1559	S07	E47	10822			6	C 1.2	2.9E-04	1.2E+04	5.9E+04
GOES		1618	1622	1624	S07	E46	10822			6	B 8.8	1.9E-04	1.1E+04	5.1E+04
GOES		1722	1751	1804	S06	E48	10822			42	M 1.4	1.5E-02	2.7E+04	2.5E+05
GOES		2050	2110	2112	S07	E43	10822			22	C 2.3	9.4E-04	1.9E+04	9.1E+04
GOES		2307	2310	2314	S07	E41	10822			7	B 1.9	7.2E-05	1.0E+04	3.6E+04
GOES		2319	2325	2327	S07	E41	10822			8	B 3.2	1.1E-04	1.0E+04	3.7E+04
GOES	16	0005	0011	0020	S07	E40	10822			15	B 5.1	4.0E-04	1.1E+04	5.0E+04
GOES		0109	0113	0116	S07	E41	10822			7	B 4.5	1.3E-04	1.0E+04	4.1E+04
GOES		0455	0458	0501	S07	E37	10822			6	B 2.7	8.6E-05	1.1E+04	4.0E+04
GOES		0932	0937	0941	S07	E35	10822			9	B 7.2	3.4E-04	1.4E+04	5.3E+04
GOES		1141	1213	1248	S07	E36	10822			67	C 5.9	1.1E-02	1.8E+04	1.3E+05
GOES		1401	1405	1407	S08	E34	10822			6	B 6.3	2.0E-04	1.7E+04	7.6E+04
GOES		2031	2034	2036	S07	E30	10822			5	B 2.1	5.4E-05	8.3E+03	2.9E+04
GOES		2202	2211	2219	S06	E28	10822			17	B 3.4	2.8E-04	8.8E+03	3.2E+04
GOES		2251	2254	2256	S07	E29	10822			5	B 2.0	4.7E-05	7.6E+03	2.6E+04
GOES	17	0016	0022	0031	S07	E29	10822			15	B 2.2	1.7E-04	8.1E+03	2.8E+04
GOES		0131	0143	0214	S07	E27	10822			43	B 5.8	1.2E-03	1.1E+04	4.3E+04
GOES		0311	0314	0316	S07	E27	10822			5	B 6.6	1.3E-04	1.1E+04	4.8E+04
GOES		0324	0327	0334						10	B 2.7	1.5E-04		
GOES		0414	0417	0419	S07	E26	10822			5	B 2.0	4.9E-05	1.0E+04	3.5E+04
GOES		0545	0554	0602	S07	E24	10822			17	B 2.4	2.1E-04	9.4E+03	3.3E+04
GOES		0651	0713	0746	S07	E24	10822			55	B 3.4	9.7E-04	9.5E+03	3.3E+04
GOES		1350	1408	1424						34	B 2.5	4.7E-04		
GOES		2045	2149	2157	S07	E16	10822			72	C 1.8	3.8E-03	1.4E+04	7.3E+04
GOES		2327	2338	2402	S07	E15	10822			35	C 4.1	5.4E-03	1.6E+04	9.9E+04
GOES	18	0024	0034	0046	S07	E16	10822			22	M 1.2	1.0E-02	2.4E+04	2.0E+05
GOES		0631	0649	0736	N10	W90				65	B 8.0	2.5E-03	6.4E+03	3.8E+04
GOES		0739	0744	0752						13	B 7.3	5.1E-04		
GOES		0802	0808	0817	N10	W90				15	C 1.6	1.1E-03	7.6E+03	5.2E+04
GOES		0919	0922	0925	N10	W90				6	B 7.0	2.0E-04	7.2E+03	4.2E+04
GOES		1030	1035	1041	N11	W90				11	B 7.4	3.8E-04	7.5E+03	4.3E+04
GOES		1119	1126	1133	N10	W90				14	B 7.2	5.6E-04	7.3E+03	4.7E+04
GOES		1217	1221	1230	S07	E08	10822			13	B 6.4	4.2E-04	9.1E+03	3.3E+04
GOES		1308	1311	1314	N10	W90				6	C 1.1	3.2E-04	6.6E+03	4.0E+04
GOES		1320	1324	1335	N10	W90				15	B 8.0	6.4E-04	6.6E+03	4.1E+04
GOES		1442	1453	1501	N10	W90				19	B 9.8	8.5E-04	7.7E+03	5.0E+04
GOES		1515	1527	1534	S07	E06	10822			19	C 1.2	1.1E-03	1.1E+04	4.9E+04
GOES		1902	1906	1911						9	B 6.4	3.2E-04		
GOES		2036	2039	2043	N11	W90				7	B 8.7	2.9E-04	8.1E+03	3.9E+04
GOES		2349	2357	2403	S07	E02	10822			14	C 5.8	2.6E-03	1.6E+04	1.1E+05

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Sta Day	Start (UT)	Max (UT)	End (UT)	Lat CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Xray	Total Integrated Flux(1)	Total Area(2)	Total(3) Intensity
GOES 19	0409	0416	0424	S07 W02	10822		15	B 6.0	4.0E-04	7.0E+03	1.9E+04
GOES	0927	0947	1008	S07 W05	10822		41	B 8.2	1.6E-03	1.1E+04	4.4E+04
GOES	2010	2019	2043	S07 W10	10822		33	C 1.5	2.0E-03	1.0E+04	4.7E+04
GOES 20	0009	0013	0016	S07 W13	10822		7	B 3.4	1.1E-04	7.9E+03	2.6E+04
GOES	0723	0736	0749	S09 W17	10822		26	C 2.5	2.8E-03	1.8E+04	1.0E+05
GOES	1059	1104	1108				9	B 1.9	9.2E-05		
GOES	1506	1520	1530	S08 W22	10822		24	C 1.5	1.5E-03	1.1E+04	5.5E+04
GOES	2151	2155	2201	S07 W26	10822		10	B 2.8	1.5E-04	7.0E+03	2.2E+04
GOES	2347	2355	2401	S06 W29	10822		14	B 7.5	4.3E-04	6.1E+03	3.1E+04
GOES 21	0024	0030	0038	S13 E69	10824		14	B 4.6	3.1E-04	5.7E+03	2.5E+04
GOES	0334	0338	0340	S06 W30	10822		6	B 2.1	6.5E-05	5.5E+03	1.5E+04
GOES	0816	0847	0859	S06 W33	10822		43	B 2.6	6.0E-04	6.7E+03	1.9E+04
GOES	0945	0956	1002	S15 E66	10824		17	B 8.2	6.0E-04	6.8E+03	3.8E+04
GOES	1159	1204	1207	S06 W35	10822		8	B 4.1	1.4E-04	6.2E+03	2.3E+04
GOES	1243	1250	1254	S14 E64	10824		11	B 4.0	1.9E-04	4.7E+03	2.0E+04
GOES	1602	1605	1609	S13 E62	10824		7	B 1.6	6.1E-05	3.6E+03	1.2E+04
GOES 22	0112	0119	0126	S14 E57	10824		14	B 2.9	1.9E-04	4.6E+03	1.9E+04
GOES	0200	0213	0222	S14 E57	10824		22	B 3.6	3.9E-04	5.3E+03	2.6E+04
GOES	0414	0417	0423	S13 E55	10824		9	B 1.4	6.9E-05	4.0E+03	1.3E+04
GOES	1509	1516	1519	S08 W50	10822		10	B 7.7	2.2E-04	7.6E+03	2.7E+04
GOES	1901	1906	1911	S13 E48	10824		10	B 1.5	7.5E-05	3.4E+03	1.1E+04
GOES	2145	2150	2155	S13 E47	10824		10	B 1.5	7.6E-05	3.4E+03	1.1E+04
GOES 23	0320	0328	0338	S07 W58	10822		18	B 3.9	3.1E-04	7.3E+03	2.3E+04
GOES	0645	0650	0657	S07 W60	10822		12	B 1.9	1.1E-04	5.7E+03	1.6E+04
GOES	1607	1611	1614	S09 W66	10822		7	B 1.9	6.2E-05	5.3E+03	1.7E+04
GOES	1851	1858	1904	S07 W68	10822		13	B 1.3	8.9E-05	4.8E+03	1.3E+04
GOES	2049	2052	2054				5	B 1.2	3.0E-05		
GOES 24	0346	0356	0404	S08 W79	10822		18	B 4.9	3.4E-04	8.3E+03	3.2E+04
GOES	0547	0550	0552	S08 W77	10822		5	B 1.3	3.5E-05	4.8E+03	1.4E+04
GOES	1111	1118	1124	S08 W84	10822		13	B 1.9	1.3E-04	5.0E+03	1.3E+04
GOES	1606	1611	1621	S08 W90	10822		15	B 1.5	1.2E-04	5.7E+03	1.9E+04
GOES 25	0406	0410	0412	S07 W90	10822		6	B 1.9	4.9E-05	5.0E+03	1.8E+04
GOES	1354	1407	1423				29	B 1.6	2.5E-04		
GOES	1600	1604	1606	S07 W90	10822		6	B 1.6	5.0E-05	3.9E+03	1.1E+04
GOES	1723	1727	1729	S07 W90	10822		6	B 1.1	3.5E-05	4.0E+03	1.1E+04
GOES	2351	2355	0000	S07 W90			9	B 1.8	7.5E-05	3.5E+03	1.0E+04
GOES 26	0331	0409	0423		10822		52	C 1.0	2.2E-03		
GOES	0631	0705	0749		10824		78	B 8.9	2.8E-03		
GOES	1653	1658	1701	S14 W03	10824		8	B 1.7	7.1E-05	2.3E+03	6.4E+03
GOES 28	0823	0944	1033				130	B 2.4	1.6E-03		
GOES 29	1638	1709	1733	S14 W45	10824		55	C 4.0	8.2E-03	1.2E+04	1.0E+05
GOES	2322	2327	2335	S03 E47	10826		13	B 2.6	1.8E-04	3.5E+03	1.3E+04
GOES 30	0154	0157	0204				10	B 1.3	7.4E-05		
GOES	0610	0616	0630	S03 E42	10826		20	B 9.3	8.8E-04	8.0E+03	4.0E+04
GOES	1019	1026	1047	S04 E38	10826		28	B 8.8	1.0E-03	6.8E+03	3.3E+04
GOES	1104	1108	1111	S03 E39	10826		7	B 7.4	2.7E-04	8.1E+03	4.4E+04
GOES	1732	1739	1745	S03 E34	10826		13	B 4.0	2.5E-04	7.4E+03	3.1E+04
GOES	1746	1752	1755	S03 E35	10826		9	M 1.4	5.0E-03	1.9E+04	1.9E+05

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.