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

JULY 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	0227	0236	0257						30	B 2.8	4.0E-04		
GOES		0657	0736	0756	S09	E39	10898			59	B 9.8	1.8E-03	1.6E+03	3.0E+03
GOES	02	0711	0714	0717						6	B 1.0	3.3E-05		
GOES		0753	0832	0856	S08	E24	10898			63	B 9.3	2.5E-03	8.0E+02	1.7E+03
GOES		1239	1245	1251						12	B 1.5	9.8E-05		
GOES		1439	1453	1523						44	B 1.6	3.8E-04		
GOES	03	1305	1309	1312						7	B 1.1	4.4E-05		
GOES		1902	1908	1913	N47	W02				11	B 1.2	7.1E-05	7.5E+01	5.4E+02
GOES		2209	2304	2337			10898			88	C 1.2	3.4E-03		
GOES	04	0739	0745	0752						13	B 1.7	1.2E-04		
GOES		1103	1110	1119						16	B 3.0	2.5E-04		
GOES		1152	1239	1304						72	B 6.0	2.0E-03		
GOES		1628	1633	1636						8	B 2.1	8.9E-05		
GOES		1817	1820	1822						5	B 1.0	2.7E-05		
GOES		1906	2029	2141						155	C 1.4	8.1E-03		
GOES		2309	2315	2326	S04	E80				17	B 5.5	4.9E-04	6.0E+02	1.4E+03
GOES	05	0143	0157	0207	S05	E78				24	B 7.0	8.8E-04	1.3E+03	3.4E+03
GOES		0324	0328	0331	S09	W19	10898			7	B 3.5	1.2E-04	1.3E+02	2.3E+02
GOES		0518	0522	0525						7	B 3.1	1.2E-04		
GOES		0842	0858	0913	S10	W22	10898			31	C 1.2	1.9E-03	1.6E+03	3.7E+03
GOES	06	0001	0040	0111						70	B 5.2	1.4E-03		
GOES		0611	0614	0616						5	B 1.5	3.6E-05		
GOES		0813	0836	0851	S09	W34	10898			38	M 2.5	3.3E-02	1.2E+04	1.0E+05
GOES		1536	1540	1545	S08	W41	10898			9	B 3.9	1.9E-04	1.5E+02	2.8E+02
GOES		2337	2340	2342						5	B 1.2	3.1E-05		
GOES	07	0013	0019	0021			10898			8	C 2.6	3.4E-04		
GOES		0220	0223	0225						5	B 1.5	3.4E-05		
GOES		0349	0352	0355						6	B 1.3	4.2E-05		
GOES		0450	0457	0459						9	B 2.2	6.4E-05		
GOES		0756	0759	0802						6	B 1.4	3.4E-05		
GOES		0903	0906	0908	S05	W49	10898			5	B 3.3	6.2E-05	4.0E+02	1.2E+03
GOES		1159	1204	1206	S05	W50	10898			7	C 5.2	6.9E-04	8.5E+02	4.1E+03
GOES		1226	1230	1232	S04	W51	10898			6	B 4.9	9.6E-05	4.0E+02	1.2E+03
GOES		1427	1430	1432						5	B 1.5	2.9E-05		
GOES		1458	1501	1503						5	B 1.4	2.9E-05		
GOES		1553	1608	1610	S04	W54	10898			17	B 5.2	2.1E-04	8.3E+02	2.5E+03
GOES		1637	1640	1643	S04	W55	10898			6	B 2.2	5.4E-05	2.0E+02	4.2E+02
GOES		1809	1814	1817	S04	W54	10898			8	B 1.4	4.8E-05	1.5E+02	2.9E+02
GOES		2142	2147	2149	S04	W56	10898			7	C 2.3	4.0E-04	1.4E+03	7.8E+03
GOES		2156	2206	2210	S04	E46	10899			14	B 1.9	1.3E-04	1.8E+02	3.6E+02
GOES		2352	2401	2414						22	B 2.1	2.3E-04		
GOES	08	0018	0022	0024	S04	W60	10898			6	B 2.3	6.3E-05	1.5E+02	2.9E+02
GOES		0050	0055	0058						8	B 1.2	5.3E-05		
GOES		0137	0141	0146						9	B 1.5	6.8E-05		
GOES		0149	0154	0200	S04	W61	10898			11	B 2.6	1.3E-04	2.0E+02	4.1E+02
GOES		0225	0228	0230						5	B 1.8	3.4E-05		
GOES		0257	0300	0302						5	B 1.3	2.6E-05		
GOES		0407	0414	0417	S04	W62	10898			10	B 1.6	7.5E-05	2.0E+02	4.1E+02
GOES		0636	0639	0641						5	B 1.0	2.2E-05		
GOES		1404	1432	1458			10898			54	B 1.7	4.2E-04		
GOES		1555	1607	1610	S04	W69	10898			15	B 2.8	1.7E-04	5.0E+02	1.3E+03
GOES		1639	1642	1645	S04	W67	10898			6	B 2.6	6.0E-05	2.0E+02	4.3E+02
GOES	09	1108	1112	1114	S04	W80	10898			6	B 5.0	9.8E-05	5.8E+02	1.6E+03
GOES		1523	1527	1529	S04	W83	10898			6	B 2.4	5.5E-05	2.8E+02	6.0E+02
GOES	18	0816	0821	0830	S04	W04	10900			14	B 1.3	8.6E-05	1.5E+02	3.3E+02
GOES		1104	1107	1111	S04	W07	10900			7	B 1.5	4.7E-05	1.8E+02	3.5E+02
GOES	19	0105	0111	0118	S05	W13	10900			13	B 2.8	1.5E-04	7.3E+02	1.7E+03
GOES		1431	1441	1447	S04	W21	10900			16	B 6.3	3.1E-04	1.3E+03	4.2E+03

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JULY 2006

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 20	2256	2301	2306				10	B 1.1	5.8E-05		
GOES 21	1831	1847	1856	S04 W51	10900		25	B 2.3	2.4E-04	2.3E+02	3.9E+02
GOES 22	0007	0014	0022	S04 W54	10900		15	B 1.8	1.4E-04	7.5E+01	1.3E+02
GOES	0040	0044	0046	N07 E79	10901		6	B 1.6	4.6E-05	4.8E+02	9.7E+02
GOES	0128	0132	0135	N07 E78	10901		7	B 5.3	1.2E-04	7.8E+02	1.9E+03
GOES	0254	0258	0301	N07 E77	10901		7	B 1.4	5.3E-05	2.3E+02	4.1E+02
GOES	0814	0817	0821		10900		7	B 1.2	4.5E-05		
GOES	1056	1059	1102		10900		6	B 1.1	3.3E-05		
GOES	2227	2232	2245		10901		18	B 1.2	1.1E-04		
GOES 23	0246	0253	0301	N07 E66	10901		15	B 2.2	1.7E-04	5.3E+02	9.8E+02
GOES	0547	0557	0615	S45 E19			28	B 1.1	1.7E-04	7.5E+01	1.6E+02
GOES	1703	1717	1731				28	B 2.2	2.9E-04		
GOES	2320	2325	2332				12	B 1.4	9.2E-05		
GOES 24	1254	1257	1259				5	B 1.1	1.9E-05		
GOES	1446	1501	1528	S12 E80			42	C 1.1	1.9E-03	2.4E+03	5.9E+03
GOES 25	0432	0451	0505	N05 E39	10901		33	B 2.2	3.5E-04	6.5E+02	1.2E+03
GOES 26	0836	0845	0851				15	B 2.2	1.4E-04		
GOES 27	1057	1103	1109	N07 E03	10901		12	B 3.2	1.6E-04	3.0E+02	8.1E+02
GOES	1241	1248	1252	N07 E02	10901		11	B 1.7	8.7E-05	1.8E+02	3.6E+02
GOES	1637	1641	1644	N07 W01	10901		7	B 3.7	1.0E-04	4.8E+02	1.8E+03
GOES 29	2244	2248	2254				10	B 1.0	5.6E-05		
GOES 31	2010	2022	2029	N06 W53	10901		19	B 2.1	1.6E-04	2.3E+02	3.8E+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.