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Number 604

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Hα S O L A R F L A R E S

JUNE 1994

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001	KANZ	01	0917	0917	0929	N19	E48		06	5.0	12	SF		2	C				G
		01	2123		2302	No Flare Patrol													
		02	2133		2209	No Flare Patrol													
		03	2125		2138	No Flare Patrol													
0002	KANZ	06	1105E	1105U	1113	S16	W77		05	31.6	8D	SF		2	C				
0003	KANZ	06	1129	1133	1141	S17	W48	7729	06	2.8	12	SF		2	C				
0004	KANZ	06	1149	1153	1205D	S15	W75		05	31.8	16D	SF		2	C				
0005	SVTO	06	1209	1210	1214	S15	W50	7729	06	2.7	5	SF		3	E		15		
0006		06	12513	1253*	1320	S16	W51	7729	06	2.7	29	SF	C 2.3				33		FH
	SVTO	06	1251	1253	1310	S16	W52	7729	06	2.6	19	SF		3	E		48		FH
	RAMY	06	1252	1300	1319	S16	W50	7729	06	2.7	27	SF	C 2.3	3	E		27		H
	KANZ	06	1254	1302	1322	S17	W51	7729	06	2.7	28	SF		2	C				
	HOLL	06	1256E	1311	1330	S15	W52	7729	06	2.6	34D	SF		3	E		23		FH
0007		06	16264	16282	1634	S16	W54	7729	06	2.6	8	SF					16		F
	SVTO	06	1626	1628	1632	S16	W54	7729	06	2.6	6	SF		3	E		17		
	HOLL	06	1630	1630	1635	S15	W55	7729	06	2.5	5	SF		3	E		14		F
0008	HOLL	06	2226	2229	2241	S15	W57	7729	06	2.6	15	SF		3	E		18		
		06	2329		2336	No Flare Patrol													
		06	2349		2357	No Flare Patrol													
0009	LEAR	07	0155	0155	0209	S15	W59	7729	06	2.6	14	SF		3	E		90		FH
0010		07	0604*	06421	0649	S13	W64	7729	06	2.4	45	SF	B 2.8				32	1.2	
	HTPR	07	0604	0642	0653	S13	W65	7729	06	2.1	49	SF			C	0642	50	1.2	
	LEAR	07	0642	0643	0645	S13	W64	7729	06	2.4	3	SF	B 2.8	3	E		14		
0011	ISTA	07	0831		0851	S17	W59	7729	06	2.9	20	1N			P				E
0012	RAMY	07	1425	1501	1508	S16	W65	7729	06	2.7	43	SF		3	E		18		
		08	0239		0243	No Flare Patrol													
		08	0426		0509	No Flare Patrol													
0013	KANZ	09	0854	0854	0903	S12	E57	7730	06	13.7	9	SF		2	C				
0014	SVTO	09	1007	1014	1037	S14	E67	7730	06	14.5	30	SF	C 1.1	3	E		48		FU
0015	SVTO	09	1145	1145	1148	S12	E53	7730	06	13.5	3	SF		3	E		12		
0016	SVTO	09	1403	1403	1406	S12	E52	7730	06	13.5	3	SF		3	E		18		H
0017	LEAR	10	0306	0307	0317	S16	E51	7730	06	14.0	11	SF		3	E		36		
0018	LEAR	10	0307	0313	0319	S04	W43	7732	06	6.9	12	SF		3	E		51		
		11	1408		1449	No Flare Patrol													
0019	HOLL	11	1733	1734	1737	N08	E29	7731	06	13.9	4	SF	B 1.8	3	E		14		H
0020	PALE	11	1734E	1742U	1751D	N08	E29	7731	06	13.9	17D	SF		3	E		12		H
		11	2319		2322	No Flare Patrol													
0021	RAMY	12	1049	1054	1118	S13	E27	7730	06	14.5	29	SF	B 4.6	3	E		33		F
		12	1231		1331	No Flare Patrol													
		12	1342		1344	No Flare Patrol													
		12	1401		1420	No Flare Patrol													
		13	1101		1204	No Flare Patrol													

Hα SOLAR FLARES

JUNE 1994

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0022		14	22482	22501	2254	N12	W39	7734	06	12.0	6	SF						44	1.0	D
	KHAR	14	2248	2251	2256	N12	W41	7734	06	11.9	8	SF			2	C	2251	72	1.0	D
	HOLL	14	2250	2250	2253	N12	W37	7734	06	12.2	3	SF			3	E		16		
0023	HTPR	15	0837	0841	0846	S15	W25	7730	06	13.5	9	SF				C	0841	50	1.1	
0024	HOLL	15	1311	1315	1318	N13	W49	7734	06	11.8	7	SF			3	E		29		
0025	HOLL	15	1510	1515	1531	S14	E44	7735	06	18.9	21	SF			3	E		15		
0026	HOLL	15	1522	1522	1526	N12	W48	7734	06	12.0	4	SF	B	3.4	3	E		22		
0027	HOLL	15	1730	1734	1741	S12	W27	7730	06	13.7	11	SF			3	E		17		F
0028	HOLL	15	1802	1802	1809	N12	W48	7734	06	12.1	7	SF	B	3.6	3	E		18		
		15	2044		2159	No Flare Patrol														
0029		16	0041	0041	0044	S11	W30	7730	06	13.8	3	SF						19		
	HOLL	16	0041	0041	0044	S11	W30	7730	06	13.8	3	SF			3	E		20		
	PALE	16	0042E	0042U	0045D	S11	W29	7730	06	13.8	3D	SF			2	E		18		
0030		16	17481	1749	1754	N12	W66	7734	06	11.8	6	SF	B	4.1				14		
	HOLL	16	1748	1749	1753	N12	W66	7734	06	11.8	5	SF			3	E		13		
	RAMY	16	1749	1749	1755	N11	W65	7734	06	11.8	6	SF	B	4.1	3	E		15		
0031		16	2339	23402	2354	N14	W68	7734	06	11.8	15	1F	C	1.0				88		
	PALE	16	2338E	2340U	2346D	N13	W69	7734	06	11.8	8D	SF			2	E		36		
	HOLL	16	2339	2340	2350	N12	W70	7734	06	11.7	11	SF	C	1.0	3	E		50		
	MITK	16	2339	2342	2358	N16	W66	7734	06	12.0	19	2N				C	2342	238		
	LEAR	16	2340E	2340U	2348D	N13	W67	7734	06	11.9	8D	SF			2	E		28		
0032	LEAR	17	0006	0007	0016	S12	W42	7730	06	13.8	10	SF	B	2.5	3	E		16		
0033		17	11441	11472	1154	N13	W73	7734	06	12.0	10	SF	B	8.4				49	2.5	E
	HTPR	17	1144	1148	1156	N15	W75	7734	06	11.7	12	1F				C	1148	100	2.5	E
	SVTO	17	1145	1147	1153	N13	W72	7734	06	12.0	8	SF	B	8.4	3	E		31		
	RAMY	17	1145	1149	1154	N11	W72	7734	06	12.1	9	SF			3	E		15		
		17	2032		2244	No Flare Patrol														
0034	RAMY	18	2025	2026	2032	S13	W01	7735	06	18.8	7	SF	B	3.1	3	E		20		F
		18	2103		2239	No Flare Patrol														
		19	2115		2137	No Flare Patrol														
		19	2215		2219	No Flare Patrol														
0035	HOLL	19	2257	2257	2303	S14	E47	7737	06	23.5	6	SF			3	E		15		F
		20	1101		1110	No Flare Patrol														
		20	1253		1355	No Flare Patrol														
		20	1411		1526	No Flare Patrol														
		20	1929		1931	No Flare Patrol														
		20	1947		2001	No Flare Patrol														
		20	2049		2132	No Flare Patrol														
		21	1801		1943	No Flare Patrol														
		22	1910		1924	No Flare Patrol														
		22	2104		2121	No Flare Patrol														
		24	0210		0227	No Flare Patrol														
0036	URUM	24	0230E	0231	0240	S11	W29	7740	06	21.9	10D					C		32	0.4	D
0037		24	0731*	07375	0753	S14	W34	7740	06	21.7	22	SF	B	4.4				26	0.5	DF
	HTPR	24	0731	0737	0746	S13	W32	7740	06	21.9	15	SF				C	0737	40	0.5	
	KHAR	24	0734	0742	0750U	S18	W38	7740	06	21.4	16U	SF			2	V				D
	SVTO	24	0737	0737	0746	S13	W33	7740	06	21.8	9	SF	B	4.4	3	E		13		
	ISTA	24	0743		0807	S12	W31	7740	06	22.0	24	1N				P				F

Hα SOLAR FLARES

JUNE 1994

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0038		24	10251	10261	1041	S13	W35	7740	06	21.8	16	1N	C 2.9				104	2.1	
	HTPR	24	1025	1026	1043	S13	W35	7740	06	21.8	18	1N			C	1026	160	2.1	
	SVTO	24	1026	1027	1039	S13	W35	7740	06	21.8	13	SF	C 2.9	3	E		47		
0039	KHAR	27	0755E	0755U	0810U	S04	E82		07	3.4	15U	SF		2	P				E
		27	1401		1423	No Flare Patrol													
		27	1432		1435	No Flare Patrol													
		28	0215		0229	No Flare Patrol													
		28	1853		1910	No Flare Patrol													
		28	2056		2122	No Flare Patrol													
		28	2139		2343	No Flare Patrol													
		29	0100		0136	No Flare Patrol													
0040		29	1324*	13308	1350	S11	E47	7742	07	3.1	26	SF	B 4.8				33	0.9	D
	SVTO	29	1324	1330	1404D	S11	E46	7742	07	3.0	40D	SF		2	E		27		
	HTPR	29	1326	1334	1355	S12	E48	7742	07	3.2	29	SN			C	1334	60	0.9	D
	KANZ	29	1327	1331	1355	S12	E46	7742	07	3.0	28	SF		2	C				
	HOLL	29	1336	1338	1341	S10	E47	7742	07	3.1	5	SF	B 4.8	3	E		12		
0041		29	14372	14391	1501	S11	E46	7742	07	3.1	24	SF	B 9.1				17		F
	HOLL	29	1437	1440	1503	S11	E46	7742	07	3.1	26	SF	B 9.1	3	E		16		
	SVTO	29	1438	1440	1504D	S11	E46	7742	07	3.1	26D	SF		2	E		18		F
	KANZ	29	1439	1439	1459	S12	E47	7742	07	3.1	20	SF		2	C				
0042	RAMY	29	1618	1619	1622	S11	E47	7742	07	3.2	4	SF	B 2.0	3	E		13		F
		29	1656		1702	No Flare Patrol													
0043	HOLL	29	2018	2019U	2023	S11	E44	7742	07	3.1	5	SF	B 1.6	3	E		15		
		29	2136		2142	No Flare Patrol													
0044	HOLL	29	2144E	2149	2216	S13	E43	7742	07	3.2	32D	SF	C 1.2	3	E		36		
		29	2226		2259	No Flare Patrol													
		29	2305		2322	No Flare Patrol													
0045		30	0108*	01184	0150	S12	E40	7742	07	3.1	42	SN	B 4.5				57		D
	YUNN	30	0108	0122	0158	S10	E40	7742	07	3.0	50	SN			C		103		D
	LEAR	30	0118	0118	0141	S13	E39	7742	07	3.0	23	SF	B 4.5	3	E		11		
0046	LEAR	30	0246	0251	0309	S13	E38	7742	07	3.0	23	SF	C 1.5	3	E		22		
0047	LEAR	30	0407	0410	0423	S14	E53	7743	07	4.2	16	SF	B 5.6	3	E		11		
0048	LEAR	30	0428	0429	0439	S12	E49	7743	07	3.9	11	SF		3	E		20		
0049		30	08005	08065	0846	S11	E36	7742	07	3.0	46	SN	C 2.4				40	0.4	EFGIK
	HTPR	30	0800	0806	0936	S11	E36	7742	07	3.0	96	SN			C	0806	30	0.4	K
	SVTO	30	0800	0811	0831	S10	E35	7742	07	3.0	31	SF	C 2.4	4	E		44		F
	KANZ	30	0801	0809	0837	S12	E35	7742	07	3.0	36	SF		2	C				
	LEAR	30	0804	0808	0834	S12	E35	7742	07	3.0	30	SF		3	E		45		F
	ISTA	30	0805		0833	S11	E37	7742	07	3.1	28	SB			P				EI
	KHAR	30	0825E	0825U	0835U	S09	E36	7742	07	3.0	10U	SN		2	V				G
0050		30	0901	09011	0928	S11	E35	7742	07	3.0	27	SF	B 7.4				15		FH
	KANZ	30	0901	0901	0937	S12	E35	7742	07	3.0	36	SF		2	C				
	SVTO	30	0901	0902	0918	S10	E35	7742	07	3.0	17	SF	B 7.4	4	E		15		FH
0051	KHAR	30	1112U		1142U	S08	E36	7742	07	3.2	30U	SF		2	V				DG
0052		30	13363	13397	1419	S11	E32	7742	07	3.0	43	SF	B 5.8				45	1.2	FHKT
	HTPR	30	1336	1340	1430	S11	E33	7742	07	3.0	54	SN			C	1340	100	1.2	KT
	HOLL	30	1337	1341	1421	S11	E31	7742	07	2.9	44	SF	B 5.8	3	E		46		F
	RAMY	30	1338	1339	1422	S10	E32	7742	07	3.0	44	SF		3	E		21		F
	KANZ	30	1339	1339	1419	S11	E33	7742	07	3.0	40	SF		2	C				
	SVTO	30	1339	1346	1403	S11	E32	7742	07	3.0	24	SF		3	E		14		FH

Hα SOLAR FLARES

JUNE 1994

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0053	RAMY	30	1558	1559	1604	S11	E36	7742	07	3.4	6	SF		3	E		11		H
0054	RAMY	30	1621	1624	1648	S11	E31	7742	07	3.0	27	SF	B 4.1	3	E		11		F
0055	HOLL	30	1806	1815	1829	S12	E31	7742	07	3.1	23	SF	B 3.9	3	E		25		
0056	HOLL	30	2118	2122	2212	S12	E27	7742	07	2.9	54	1B	M 2.5	3	E		223		FH
		30	2313		2354	No Flare Patrol													

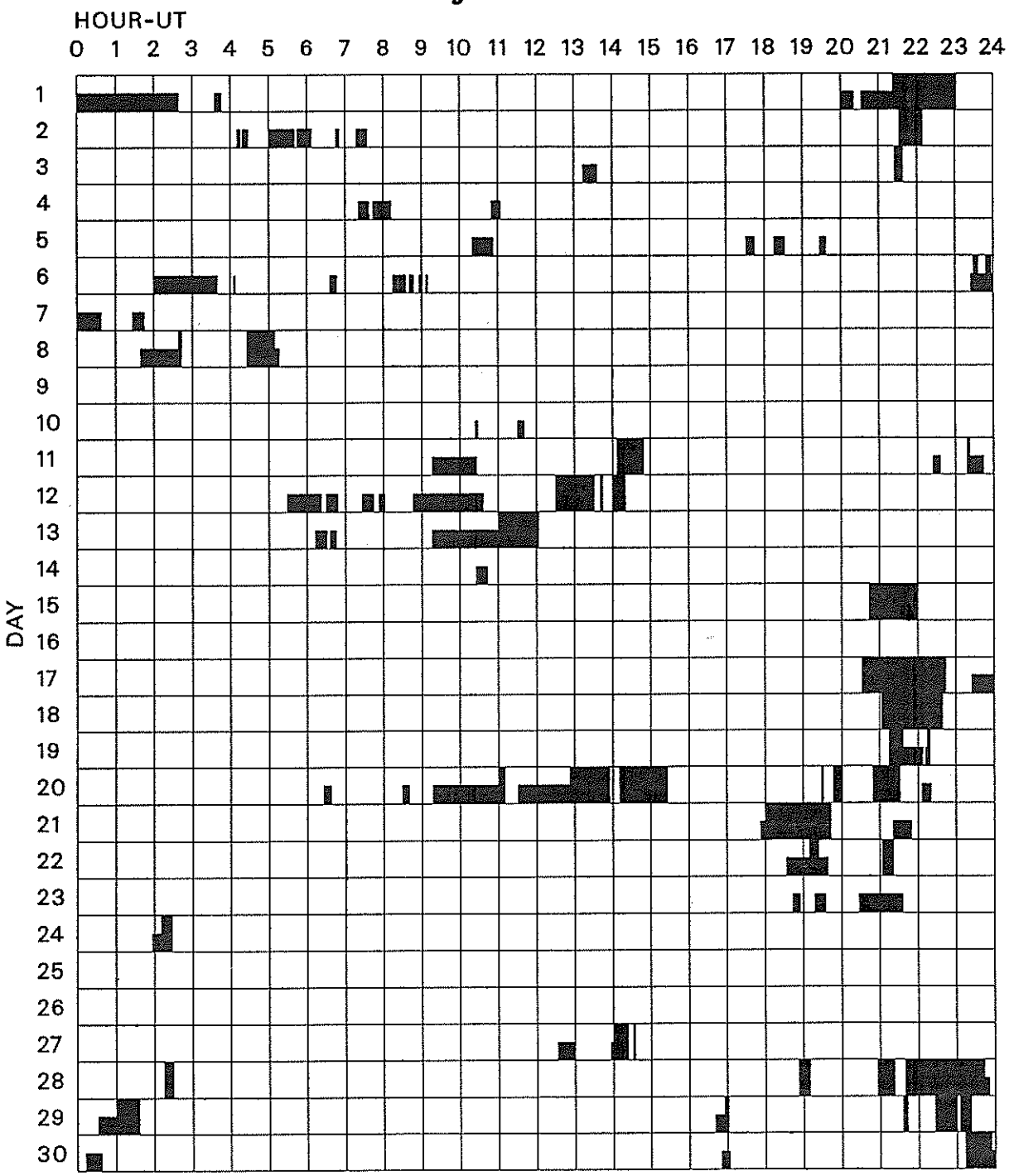
"Remarks"

A = Eruptive prominence whose base is less than 90 degrees from central meridian.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No visible spots in the neighborhood.
H = Flare accompanied by high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the H and K lines of Ca II.
P = Flare shows Helium D3 in emission.
Q = Flare shows Balmer continuum in emission.
R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
S = Brightness follows disappearance of filament in same position.
T = Region active all day.
U = Two bright branches, parallel or converging.
V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide H-alpha line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual

INTERVALS OF NO FLARE PATROL OBSERVATION
FOR PRECEDING SOLAR FLARE TABLE

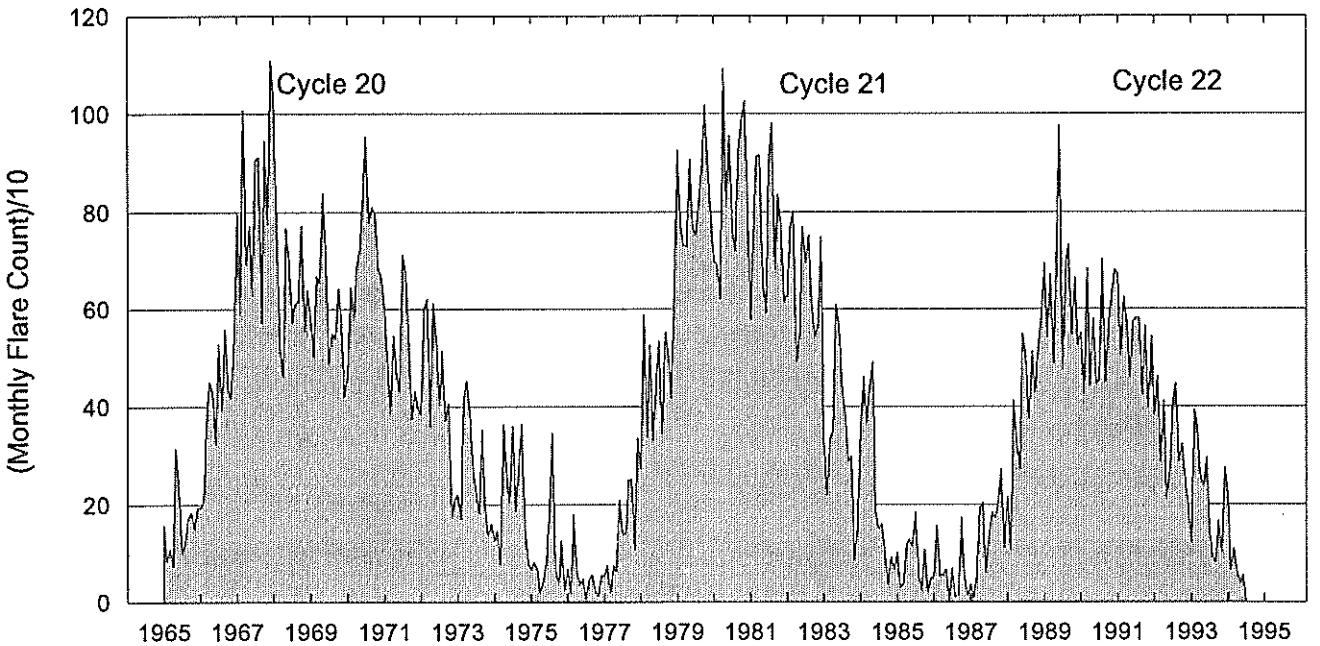
JUNE 1994



Times of no flare patrol, shown here as shaded areas, combine reports from the stations listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind (neither visual nor cinematographic); portions of a panel with only the bottom half shaded mark times of only visual patrol.

Athens
Haute Province
Holloman
Hurbanovo
Istanbul
Kanzelhoehe
Kharkov
Learmonth
Mitaka
Paleahua
Ramey
San Vito
Urumqi
Voroshilov
Yunnan

Monthly Counts of Grouped Solar Flares
Jan 1965 - Jun 1994



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1965	158	85	110	74	315	231	99	127	173	184	150	193	1899
1966	194	205	390	449	429	323	528	391	558	432	417	543	4859
1967	796	589	1009	694	771	629	907	911	573	946	775	1109	9709
1968	1037	773	519	460	768	697	573	611	616	772	556	640	8022
1969	581	504	669	655	839	694	489	551	540	643	566	422	7153
1970	466	646	578	688	722	836	954	780	811	797	687	667	8632
1971	598	505	387	546	461	430	713	673	518	375	431	394	6031
1972	384	599	621	361	614	541	404	515	371	408	175	210	5203
1973	221	171	410	453	388	270	232	182	353	201	136	163	3180
1974	127	148	79	364	255	204	360	187	270	366	153	81	2594
1975	68	82	69	19	42	85	196	346	68	38	127	25	1165
1976	69	18	180	60	38	48	6	47	57	23	13	55	614
1977	54	77	18	76	64	210	140	140	250	252	107	336	1724
1978	274	588	338	526	330	460	533	346	554	499	418	648	5514
1979	926	781	731	731	907	772	750	821	901	1018	888	786	10012
1980	703	689	621	1092	811	956	763	720	924	988	1027	838	10132
1981	578	782	914	915	658	592	893	982	680	836	773	615	9218
1982	631	766	803	490	553	769	696	753	615	544	564	748	7932
1983	332	220	337	346	609	561	427	389	289	298	88	152	4048
1984	353	461	366	440	492	185	151	161	95	36	92	69	2901
1985	104	29	38	119	129	116	185	53	25	108	19	50	975
1986	51	158	54	56	68	3	71	12	14	174	56	13	730
1987	36	7	52	192	205	61	132	185	172	198	273	114	1627
1988	217	109	413	328	274	551	502	375	513	429	518	587	4816
1989	695	544	672	488	691	977	474	699	733	547	665	526	7711
1990	550	424	684	442	580	445	454	703	449	574	623	682	6610
1991	672	503	625	570	458	574	582	581	425	565	396	544	6495
1992	380	462	287	412	214	271	413	447	287	325	248	206	3952
1993	123	392	357	262	237	296	154	92	82	167	104	275	2541
1994	217	67	111	60	40	56							551

Monthly totals for the last 6 months may change significantly, as more stations submit their reports. The term 'grouped' means observations of the same event by different sites were lumped together and counted as one.

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 1994

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
01	280	CUBA	44	NS	1800.0E		160.0D		11.0		
	235	CUBA	44	NS	1800.0E		170.0D		8.0		
	33	UPIC	2	S/F	1056.5	1056.7	0.5				
02	280	CUBA	44	NS	1800.0E		140.0D		11.0		
	235	CUBA	44	NS	1800.0E		170.0D		8.0		
03	235	CUBA	44	NS	1300.0E		370.0D		7.0		
	280	CUBA	44	NS	1300.0E		370.0D		11.0		
04	280	CUBA	44	NS	1340.0E		80.0D		13.0		
05	950	GORK	3	S	0744.6	0744.8	0.8	15.0			
06	235	CUBA	44	NS	1820.0E		130.0D		7.0		
	280	CUBA	44	NS	1820.0E		170.0D		13.0		
	245	SVTO	4	S/F	0409.0	0409.0	1191.0	61.0			QL=4 ST=1 TYP=3
	15400	SVTO	4	S/F	0409.0	0411.0	1191.0	33.0			QL=4 ST=1 TYP=3
	204	IZMI	5	S	0751.5	0751.6	0.2	39.0	20.0		
	204	IZMI	5	S	0846.0	0846.1	0.3	127.0	110.0		
	500	HIRA	42	SER	2332.7	2333.0	3.0	55.0			WR
07	235	CUBA	44	NS	1300.0E		470.0D		8.0		
	280	CUBA	44	NS	1300.0E		470.0D		13.0		
	500	HIRA	42	SER	0123.5	0127.2	9.0	110.0			O
	610	LEAR	4	S/F	0128.0	0132.0	6.0	6.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0128.0	0129.0	4.0	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0129.0	0129.0	U	26.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0219.0	0220.0	1.0	150.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0219.0	0220.0	2.0	49.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0219.0	0220.0	1.0	16.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0219.0	0220.0	2.0	34.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0219.0	0219.0	2.0	130.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	0219.4	0220.6	2.0	100.0			O
	245	LEAR	8	S	0220.0	0220.0	U	88.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0220.0	0220.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0633.0	0633.0	1.0	440.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0633.0	0633.0	1.0	490.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	0633.1	0633.3	10.0	53.0			O
	204	IZMI	42	SER	0633.2	0634.0	10.0	2800.0			
	950	GORK	2	S/F	0633.5	0634.3	1.3	8.5			
	245	LEAR	8	S	0641.0	0641.0	U	53.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0641.0	0641.0	U	46.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	1856.0	1857.0	8.0	210.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	1856.0	1857.0	4.0	120.0			QL=4 ST=2 TYP=3
08	235	CUBA	44	NS	1320.0E		440.0D		9.0		
	280	CUBA	44	NS	1320.0E		440.0D		14.0		
09	245	SGMR	43	NS	1445.0	1924.0	460.0	150.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1713.0	2043.0	452.0	160.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2341.0	2343.0	64.0	150.0			QL=4 ST=2 TYP=1
	204	IZMI	41	F	0718.0	0719.0	1.5	23.0			
	204	IZMI	41	F	0853.0	0855.6	4.0	51.0			
	127	TORN	42	SER	1118.6	1121.6	3.8	11.0			
	204	IZMI	42	SER	1119.2	1119.7	4.0	45.0			
	127	TORN	8	S	1143.4	1144.1	1.5	150.0	80.0		
	204	IZMI	42	SER	1144.0	1146.0	8.5	150.0			
	33	UPIC	48	C	1144.7	1146.9	3.3				
	127	TORN	4	S/F	1145.4	1145.8	2.1	310.0	70.0		
	245	SGMR	8	S	1255.0	1256.0	2.0	92.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1255.0	1256.0	2.0	98.0			QL=4 ST=3 TYP=3
	33	UPIC	45	C	1256.0	1256.1	0.5				
	127	TORN	45	C	1256.0	1256.8	1.7	80.0	30.0		
	127	TORN	42	SER	1401.3	1402.9	6.5	80.0			
	245	SGMR	8	S	1404.0	1404.0	1.0	66.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1404.0	1404.0	1.0	77.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1432.0	1433.0	2.0	44.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1433.0	1433.0	U	55.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

JUNE 1994

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
09	410	SGMR	8	S	1434.0	1434.0	1.0	36.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1434.0	1435.0	1.0	83.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1520.0	1521.0	1.0	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1547.0	1548.0	1.0	78.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1625.0	1627.0	4.0	77.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2342.0	2343.0	2.0	89.0			QL=4 ST=2 TYP=3
10	245	PALE	43	NS	2337.0	2338.0	141.0	120.0			QL=2 ST=2 TYP=1
	204	IZMI	41	F	1127.0	1128.0	2.0	20.0			
	245	LEAR	8	S	2332.0	2332.0	U	180.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2332.0	2332.0	U	180.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	2332.0	2332.0	U	170.0			QL=2 ST=2 TYP=3
	245	LEAR	4	S/F	2336.0	2338.0	3.0	130.0			QL=4 ST=2 TYP=3
11	127	TORN	43	NS	0925.0		300.0	6.0	2.0		V=0
	204	IZMI	43	NS	0958.0		182.0D		1.0		
	245	SVTO	43	NS	1136.0	1137.0	84.0	98.0			QL=2 ST=2 TYP=1
	245	SGMR	43	NS	1327.0	1333.0	6.0	63.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1457.0	1501.0	29.0	190.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1505.0	1526.0	22.0	120.0			QL=2 ST=2 TYP=1
	245	PALE	43	NS	1938.0	2230.0	558.0	110.0			QL=2 ST=2 TYP=1
	245	SGMR	43	NS	2028.0	2047.0	175.0	72.0			QL=4 ST=3 TYP=1
	245	SGMR	43	NS	2128.0	2047.0	115.0	72.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2317.0	2338.0	611.0	64.0			QL=4 ST=2 TYP=1
	245	LEAR	4	S/F	0005.0	0007.0	5.0	94.0			QL=4 ST=2 TYP=3
	204	IZMI	5	S	1043.3	1043.5	0.5	130.0	60.0		
	204	IZMI	5	S	1147.2	1147.5	0.5	250.0	120.0		
	245	SGMR	8	S	1417.0	1418.0	1.0	66.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1418.0	1418.0	1.0	89.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1418.0	1418.0	1.0	42.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1418.0	1418.0	1.0	77.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1424.0	1425.0	1.0	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1424.0	1425.0	1.0	81.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	1857.0	1858.0	8.0	55.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	2043.0	2044.0	1.0	83.0			QL=4 ST=2 TYP=3
12	204	IZMI	44	NS	0500.0E		420.0D		20.0		
	127	TORN	44	NS	0620.0E		520.0D		20.0		V=1
	2800	PENT			1916.5	1917.9	1.6	37.6	8.0		
	2800	PENT			1920.4	1921.0	1.7	630.0	130.0		
13	204	IZMI	44	NS	0500.0E		420.0D		25.0		
	127	TORN	44	NS	0620.0E		520.0D		20.0		V=2
	280	CUBA	44	NS	1630.0E		180.0D		16.0		
	235	CUBA	44	NS	1630.0E		180.0D		11.0		
	245	SVTO	4	S/F	1229.0	1230.0	3.0	290.0			QL=4 ST=2 TYP=3
	33	UPIC	3	S	1230.6	1230.8	0.6				
14	235	CUBA	44	NS	1400.0E		290.0D		8.0		
	280	CUBA	44	NS	1400.0E		290.0D		14.0		
	500	HIRA	42	SER	0324.0	0326.2	3.0	3.0			O
15	235	CUBA	44	NS	1500.0E		310.0D		8.0		
	280	CUBA	44	NS	1500.0E		310.0D		13.0		
16	204	IZMI	43	NS	0500.0		420.0D		5.0		
	127	TORN	43	NS	1030.0		270.0		2.0		V=1
	280	CUBA	44	NS	1630.0E		90.0D		16.0		
	235	CUBA	44	NS	1630.0E		260.0D		12.0		
	245	SVTO	8	S	0921.0	0921.0	U	50.0			QL=2 ST=3 TYP=3
	204	IZMI	4	S/F	1018.3	1018.5	1.2	57.0			
17	127	TORN	43	NS	0756.0		261.0		3.0		V=0
	280	CUBA	44	NS	1540.0E		147.0D		13.0		
	235	CUBA	44	NS	1540.0E		147.0D		8.0		
18	235	CUBA	44	NS	1440.0E		350.0D		8.0		
	280	CUBA	44	NS	1440.0E		370.0D		13.0		

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

JUNE 1994

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
20	235	CUBA	44	NS	1530.0E		100.0D		8.0		
	280	CUBA	44	NS	1530.0E		100.0D		13.0		
21	280	CUBA	44	NS	1400.0E		290.0D		12.0		
	235	CUBA	44	NS	1440.0E		290.0D		8.0		
22	235	CUBA	44	NS	1400.0E		240.0D		8.0		
	280	CUBA	44	NS	1440.0E		275.0D		12.0		
23	235	CUBA	44	NS	1620.0E		260.0D		8.0		
	280	CUBA	44	NS	1620.0E		260.0D		11.0		
	245	PALE	8	S	0318.0	0319.0	2.0	42.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	0318.0	0319.0	1.0	98.0			QL=2 ST=2 TYP=3
	610	PALE	8	S	0318.0	0319.0	2.0	34.0			QL=2 ST=2 TYP=3
	1415	PALE	8	S	0318.0	0319.0	1.0	18.0			QL=2 ST=2 TYP=3
24	235	CUBA	44	NS	1620.0E		240.0D		8.0		
	280	CUBA	44	NS	1620.0E		240.0D		11.0		
	610	PALE	4	S/F	0227.0	0228.0	3.0	50.0			QL=2 ST=2 TYP=3
	500	HIRA	46	C	0227.6	0228.5	4.5	34.0	10.0		O
	610	LEAR	8	S	0228.0	0228.0	1.0	63.0			QL=4 ST=2 TYP=3
	500	HIRA	46	C	0735.5	0735.9	3.5	6.0	4.0		O
	3013	IZMI	7	C	1024.5	1026.0	5.0	17.0	8.0		
	8800	SGMR	8	S	1025.0	1026.0	1.0	32.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1025.0	1029.0	7.0	81.0			QL=4 ST=2 TYP=5
	610	SVTO	8	S	1025.0	1026.0	2.0	38.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1025.0	1026.0	1.0	31.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1025.0	1026.0	2.0	32.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1025.0	1026.0	2.0	23.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1025.0	1031.0	8.0	460.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	1025.0	1029.0	8.0	110.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1025.0	1025.0	U	12.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1025.0	1026.0	1.0	13.0			QL=4 ST=2 TYP=3
	127	TORN	4	S/F	1025.8	1026.3	2.3	90.0	40.0		
	4995	SGMR	8	S	1026.0	1026.0	U	31.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1026.0	1026.0	U	34.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	1026.0	1032.0	16.0	280.0			
	33	UPIC	8	S	1026.0	1026.2	0.9				
	245	SGMR	4	S/F	1027.0	1031.0	7.0	450.0			QL=4 ST=2 TYP=5
	127	TORN	47	GB	1028.3	1033.3	9.7	220.0	70.0		
	127	TORN	2	S/F	1037.7	1038.9	2.2	15.0	10.0		
27	235	CUBA	44	NS	1620.0E		240.0D		8.0		
	280	CUBA	44	NS	1620.0E		240.0D		21.0		
28	235	CUBA	44	NS	1400.0E		410.0D		7.0		
	280	CUBA	44	NS	1400.0E		410.0D		12.0		
29	204	IZMI	43	NS	0500.0		210.0		10.0		
	127	TORN	43	NS	1308.0	1315.3	30.0	50.0			V=2
	235	CUBA	44	NS	1500.0E		270.0D		7.0		
	280	CUBA	44	NS	1500.0E		390.0D		11.0		
	127	TORN	46	C	0815.7	0823.5	10.0	80.0	20.0		
	127	TORN	4	S/F	0821.4	0822.3	1.5	1200.0	620.0		
	204	IZMI	45	C	0822.0	0822.5	4.0	270.0			
	500	HIRA	42	SER	0822.5	0823.1	4.5	8.0			O
	610	SGMR	8	S	1327.0	1328.0	1.0	40.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1328.0	1328.0	U	59.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1328.0	1328.0	U	60.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1328.0	1328.0	U	60.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1436.0	1436.0	2.0	190.0			QL=4 ST=2 TYP=3
	2800	PENT	4	S/F	1606.8	1608.6	2.8	41.3	14.0		
	500	HIRA	42	SER	2138.5	2138.9	6.0	58.0			O
	410	PALE	8	S	2142.0	2142.0	U	61.0			QL=4 ST=3 TYP=3
30	204	IZMI	43	NS	0500.0		420.0D		10.0		
	127	TORN	44	NS	0820.0E		240.0D				V=1
	245	PALE	4	S/F	0114.0	0115.0	5.0	42.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	0114.0	0115.0	4.0	12.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

JUNE 1994

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
30	610	PALE	4	S/F	0114.0	0115.0	4.0	120.0			QL=4 ST=2 TYP=3
	500	HIRA	46	C	0114.5	0115.7	3.5	72.0	34.0		WL
	610	LEAR	8	S	0115.0	0115.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0115.0	0115.0	U	45.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0115.0	0115.0	1.0	19.0			QL=4 ST=2 TYP=3
	2800	HIRA	1	S	0115.1	0115.6	1.5	7.0	4.0		O
	500	HIRA	42	SER	0244.8	0246.1	10.0	150.0			WL
	245	LEAR	49	GB	0245.0	0246.0	2.0	660.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	0245.0	0246.0	2.0	85.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0245.0	0246.0	2.0	77.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0245.0	0246.0	2.0	660.0			QL=4 ST=2 TYP=6
	4995	LEAR	8	S	0246.0	0246.0	1.0	28.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0246.0	0246.0	1.0	46.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0246.0	0246.0	1.0	60.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0246.0	0246.0	1.0	35.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0246.0	0246.0	1.0	46.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0246.0	0246.0	1.0	38.0			QL=4 ST=2 TYP=3
	2800	HIRA	1	S	0246.4	0246.7	4.0	11.0	4.0		O
	500	HIRA	46	C	0309.5	0313.6	7.5	57.0	9.0		WL
	2800	HIRA	1	S	0311.6	0313.5	3.0	4.0	3.0		O
	410	PALE	4	S/F	0312.0	0312.0	4.0	50.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	0312.0	0313.0	4.0	170.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0312.0	0313.0	2.0	540.0			QL=4 ST=2 TYP=6
	245	LEAR	49	GB	0313.0	0313.0	1.0	500.0			QL=4 ST=2 TYP=6
	610	LEAR	8	S	0313.0	0313.0	1.0	230.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0755.0	0806.0	17.0	350.0			
	3013	IZMI	5	S	0758.0	0801.0	7.0	5.0	3.0		
	2950	GORK	7	C	0758.1	0800.7	9.3	7.4			
	2950	GORK	7	C	0758.1	0804.7		2.9			
	2950	GORK	7	C	0758.1	0802.8		3.7			
	2800	HIRA	1	S	0758.7	0800.5	2.0	7.0	4.0		O
	950	GORK	20	GRF	0802.2	0804.7	7.7	6.0			
	9100	GORK	7	C	0802.5	0804.6		3.6			
	9100	GORK	7	C	0802.5	0802.8	5.8	4.9			
	245	LEAR	8	S	0804.0	0804.0	U	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0804.0	0804.0	U	140.0			QL=4 ST=2 TYP=3
	2840	PEKG	46	C	0856.0	0900.0	10.0	25.0	21.9		
	500	HIRA	46	C	0857.8	0901.6	5.0	41.0	15.0		WL
	127	TORN	47	GB	0857.8	0858.6	2.0	3900.0	1600.0		
	3013	IZMI	7	C	0858.0	0859.0	8.0	24.0	12.0		
	204	IZMI	41	F	0858.0	0859.0	1.7	260.0			
	8800	LEAR	8	S	0858.0	0858.0	1.0	38.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0858.0	0858.0	U	160.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0858.0	0858.0	1.0	68.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0858.0	0858.0	2.0	74.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0858.0	0858.0	1.0	30.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0858.0	0858.0	U	160.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0858.0	0858.0	1.0	54.0			QL=4 ST=2 TYP=3
	2800	HIRA	45	C	0858.1	0858.7	4.5	22.0	18.0		O
	410	LEAR	8	S	0900.0	0901.0	1.0	54.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0900.0	0900.0	U	28.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0900.0	0900.0	1.0	38.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0900.0	0901.0	1.0	28.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0900.0	0900.0	1.0	29.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0900.0	0901.0	2.0	47.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0900.0	0901.0	2.0	51.0			QL=4 ST=2 TYP=3
	127	TORN	7	C	1000.2	1000.8	1.5	250.0	100.0		
	245	SVTO	8	S	1109.0	1109.0	1.0	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1207.0	1207.0	U	51.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1419.0	1419.0	U	320.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1419.0	1419.0	U	330.0			QL=4 ST=3 TYP=3
	610	SGMR	4	S/F	1617.0	1621.0	5.0	97.0			QL=4 ST=2 TYP=5
	610	SVTO	4	S/F	1617.0	1621.0	5.0	98.0			QL=4 ST=3 TYP=5
	410	SGMR	8	S	1620.0	1620.0	2.0	170.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1620.0	1620.0	1.0	140.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1654.0	1656.0	2.0	51.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1656.0	1656.0	U	57.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1834.0	1835.0	1.0	46.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1834.0	1835.0	2.0	130.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

JUNE 1994

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
30	410	PALE	8	S	1841.0	1842.0	1.0	61.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	1841.0	1841.0	5.0	84.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	1857.0	1858.0	4.0	79.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1857.0	1858.0	1.0	29.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1911.0	1911.0	U	34.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1911.0	1911.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	2013.0	2016.0	3.0	58.0			QL=4 ST=2 TYP=3
	4995	PALE	49	GB	2118.0	2122.0	14.0	1200.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	2118.0	2122.0	13.0	350.0			QL=4 ST=2 TYP=3
	4995	SGMR	49	GB	2118.0	2122.0	13.0	1300.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	2118.0	2120.0	13.0	350.0			QL=4 ST=2 TYP=3
	2800	HIRA	47	GB	2118.0	2120.6	13.5	309.0	152.0		O
	500	HIRA	48	C	2118.1	2120.6	13.5	800.0	70.0		WL
	1415	PALE	4	S/F	2119.0	2120.0	8.0	310.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2119.0	2120.0	7.0	2000.0			QL=4 ST=2 TYP=6
	410	PALE	4	S/F	2119.0	2121.0	6.0	490.0			QL=4 ST=2 TYP=3
	610	PALE	49	GB	2119.0	2120.0	6.0	1400.0			QL=4 ST=2 TYP=6
	8800	PALE	49	GB	2119.0	2122.0	11.0	1700.0			QL=4 ST=2 TYP=6
	15400	PALE	49	GB	2119.0	2121.0	10.0	2000.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	2119.0	2122.0	12.0	1800.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	2119.0	2120.0	12.0	1700.0			QL=4 ST=2 TYP=6
	610	SGMR	49	GB	2119.0	2120.0	12.0	1500.0			QL=4 ST=2 TYP=6
	15400	SGMR	49	GB	2119.0	2121.0	12.0	2000.0			QL=4 ST=2 TYP=6
	410	SGMR	49	GB	2119.0	2121.0	12.0	530.0			QL=4 ST=2 TYP=6
	1415	SGMR	4	S/F	2119.0	2120.0	12.0	320.0			QL=4 ST=2 TYP=3
	2800	PENT	4	S/F	2122.2E	2122.2	11.8D	343.0	132.0		
	500	HIRA	42	SER	2150.6	2153.3	19.0	8.0	3.0		WL
	245	SGMR	4	S/F	2153.0	2153.0	10.0	54.0			QL=4 ST=2 TYP=3

Reports are received routinely from the following observatories:

BERN = Berne	HUMN = Humain	ONDR = Ondrejov	SVTO = San Vito
CRIM = Crimea	IZMI = IZMIRAN	PEKG = Peking	TORN = Torun
CUBA = Havana	KISV = Kislovodsk	PALE = Palehua	TRST = Trieste
GORK = Gorky	KRAK = Krakow	PENT = Penticton	TYKW = Toyokawa
HIRA = Hiraiso	LEAR = Learmonth	POTS = Potsdam	UPIC = Upice
HUAN = Huancayo	NOBE = Nobeyama	SGMR = Sagamore Hill	

Explanation of Type Code:

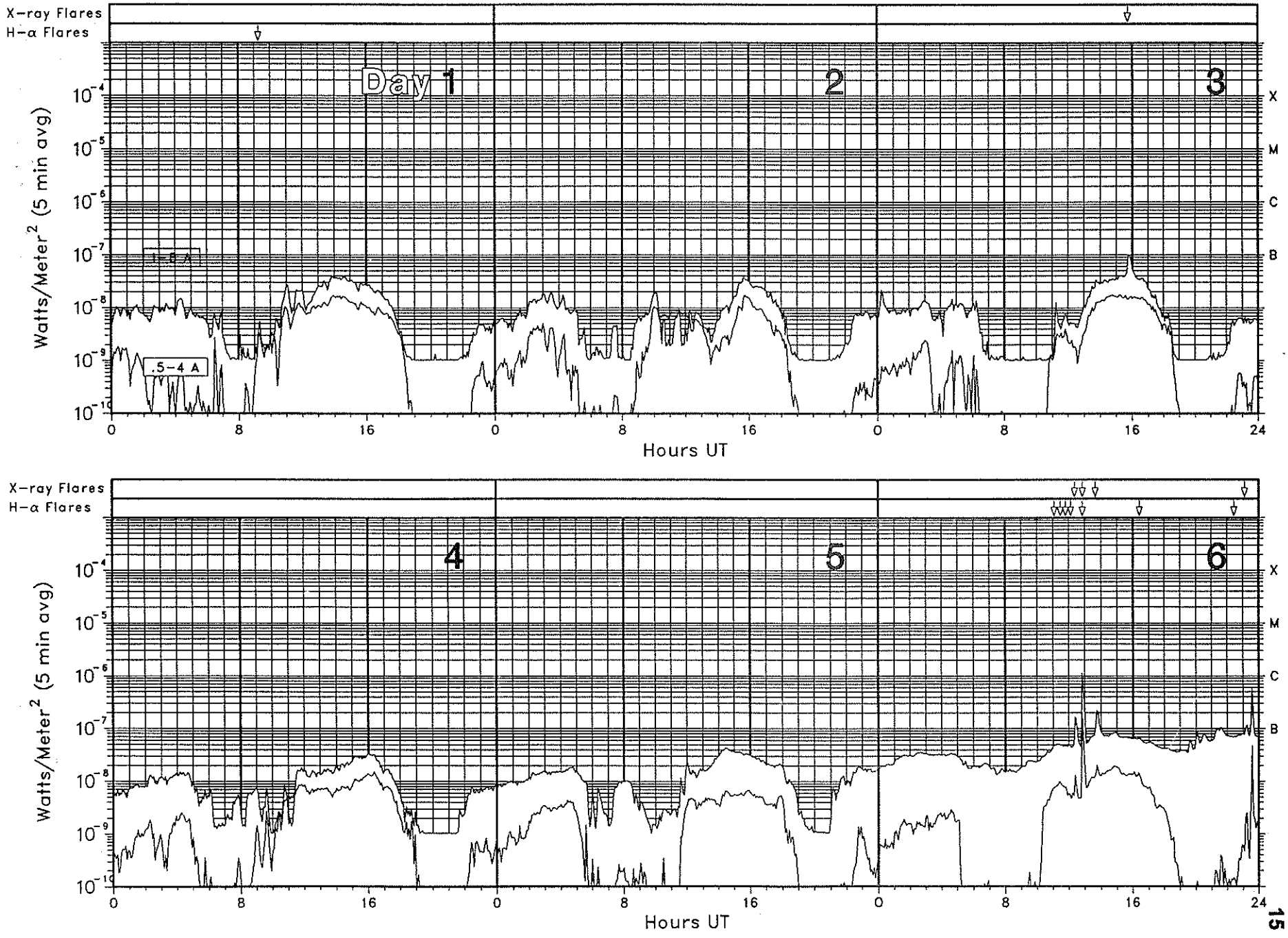
1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm in Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precusor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major

1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F
3A Simple 2A	40 Rise Only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	40F Rise Only F	260 Fall Only	31A Post Burst Decrease A
2A Simple 1AF	4P Post Rise	26F Fall F	32A Absorption A

RSTN Site Information: Beginning in April 1986, the RSTN sites LEAR, PALE, SGMR, and SVTO fixed frequency solar radio data are periodically adjusted to several world standard stations. These world standard stations include: Kislovodsk, USSR 15,500 MHz; Penticton, Canada 2800 MHz; Hiraiso, Japan 500 and 200 MHz; and Toyokawa, Japan 9400, 3750, 2000 and 1000 MHz.

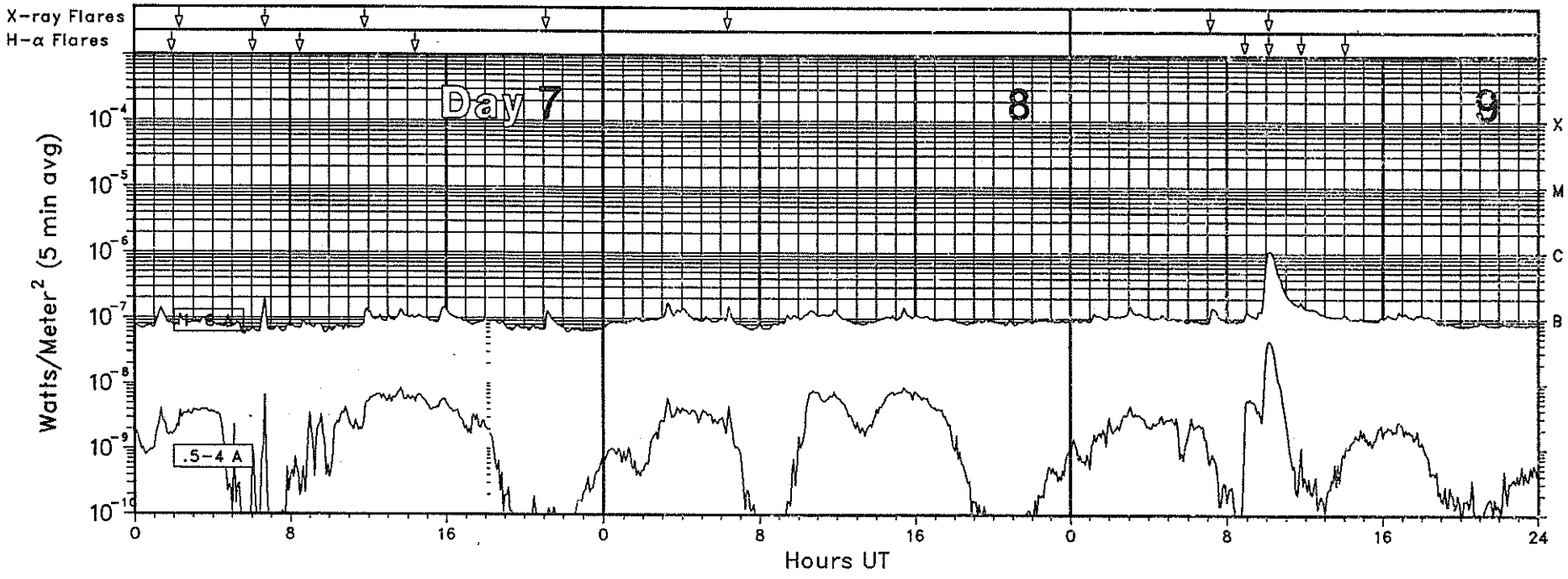
GOES-7 X-RAY DETECTOR

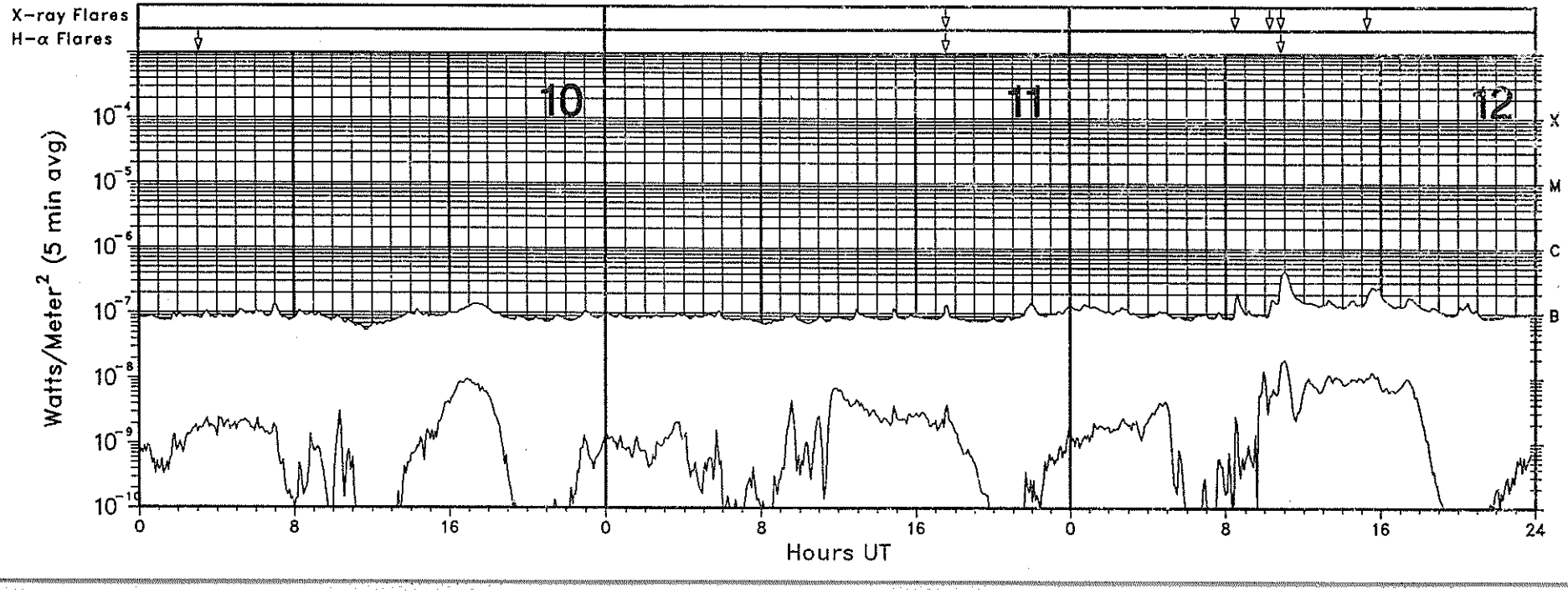
June 1994



GOES-7 X-RAY DETECTOR

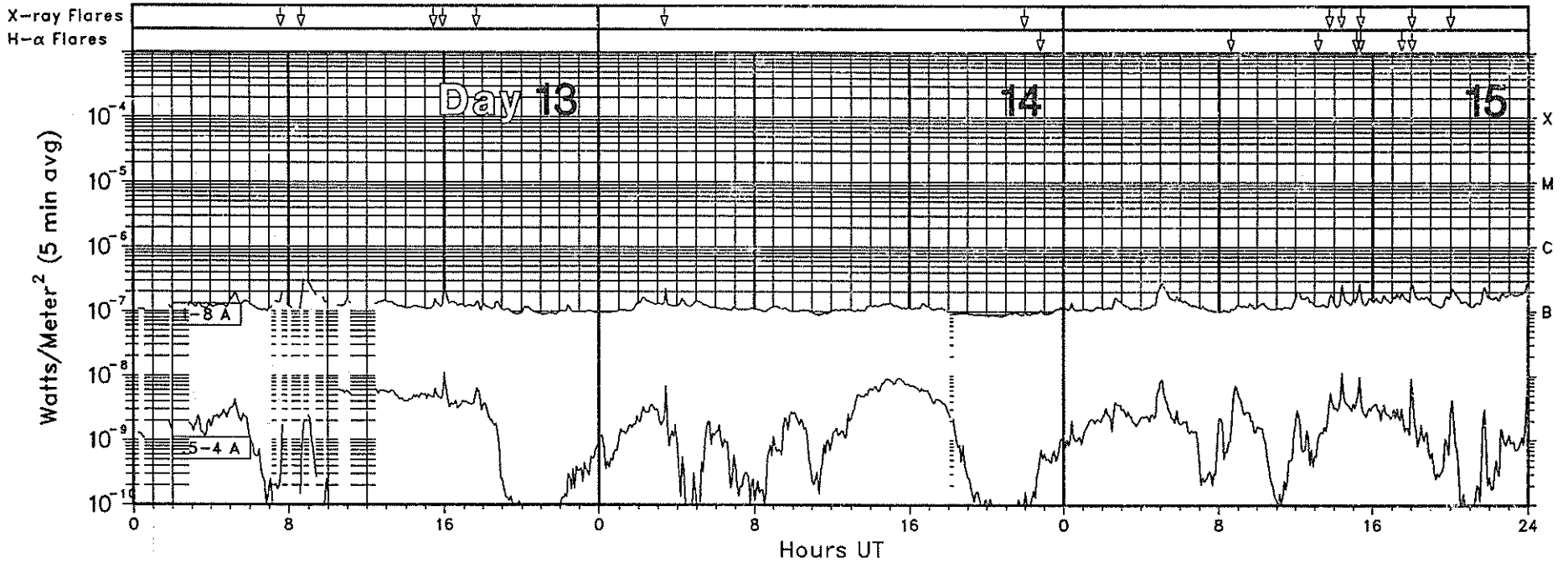
June 1994

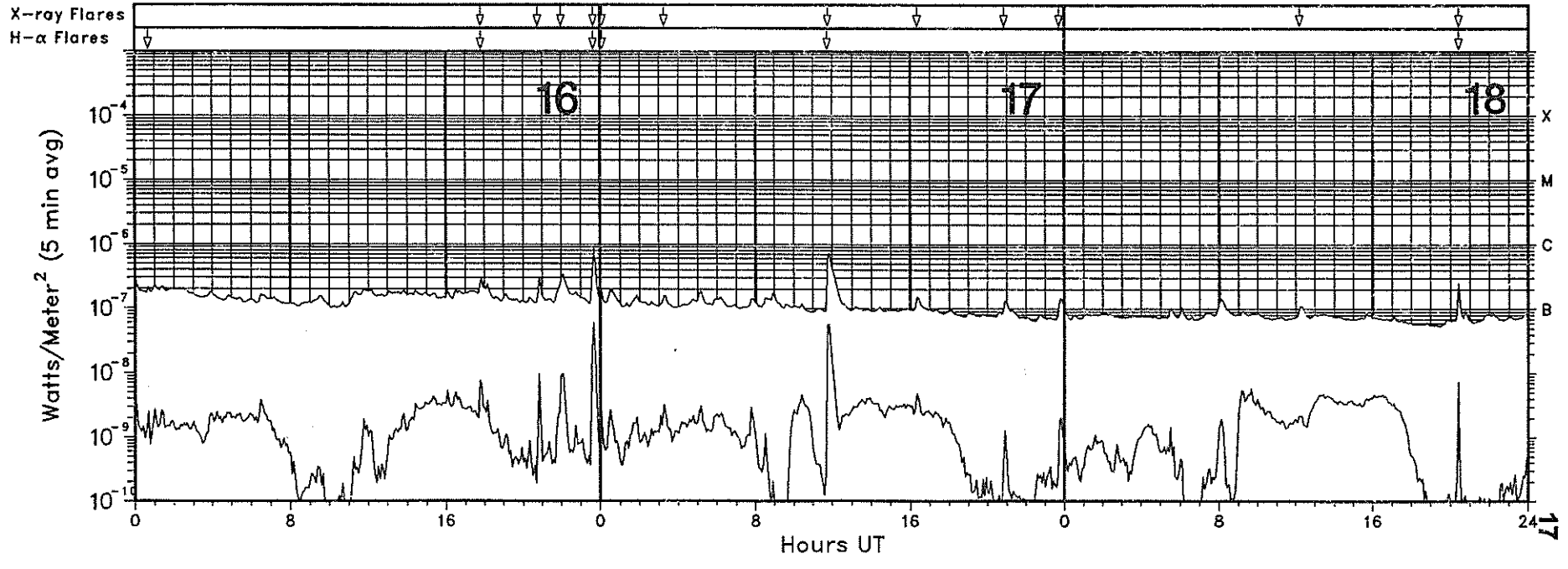




GOES-7 X-RAY DETECTOR

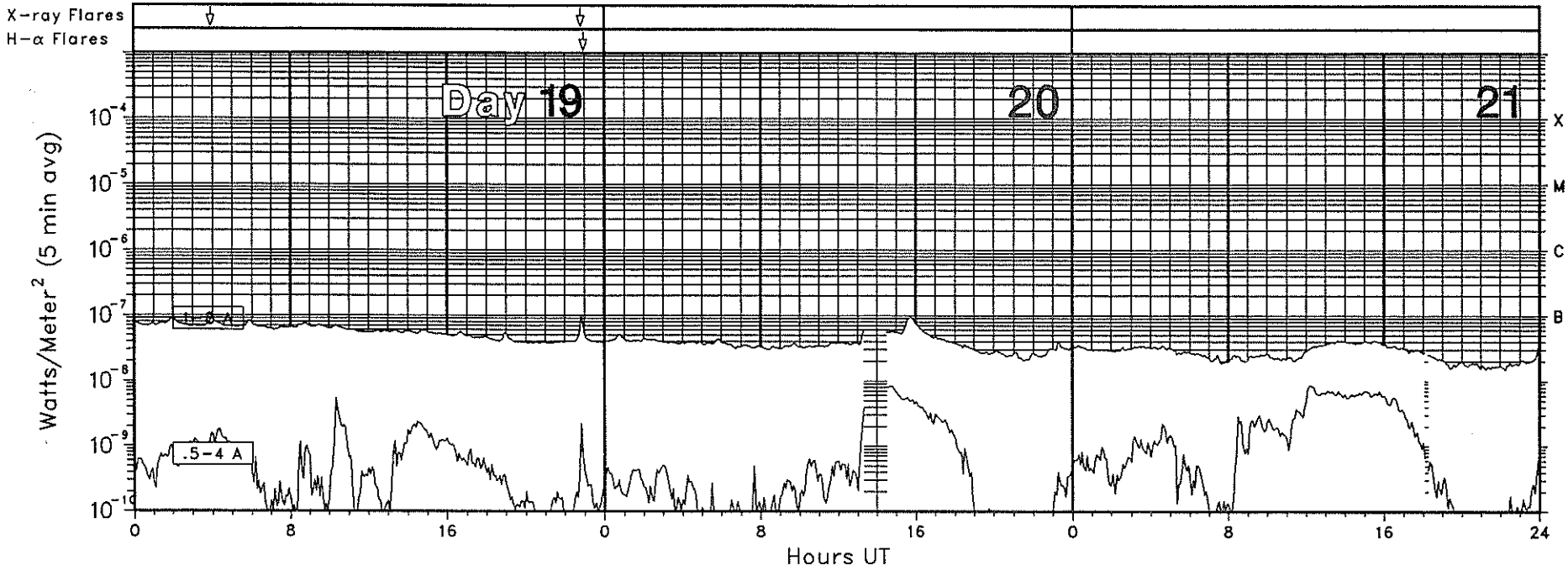
June 1994

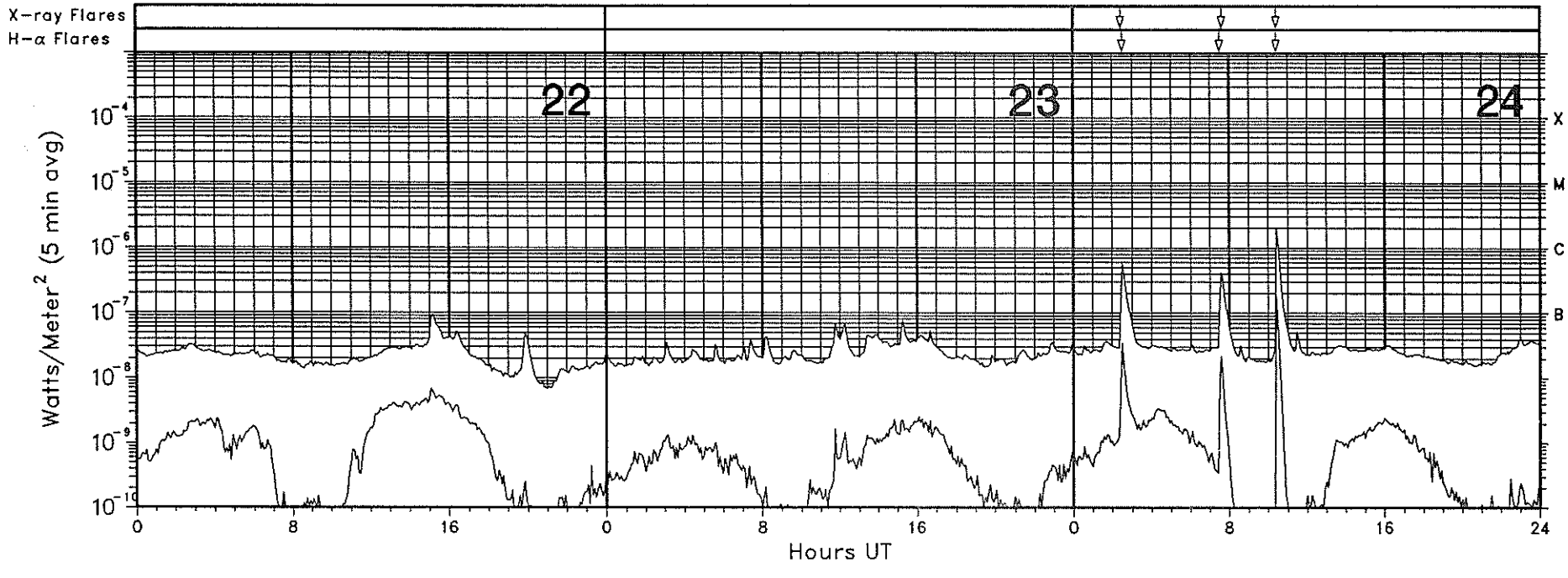




GOES-7 X-RAY DETECTOR

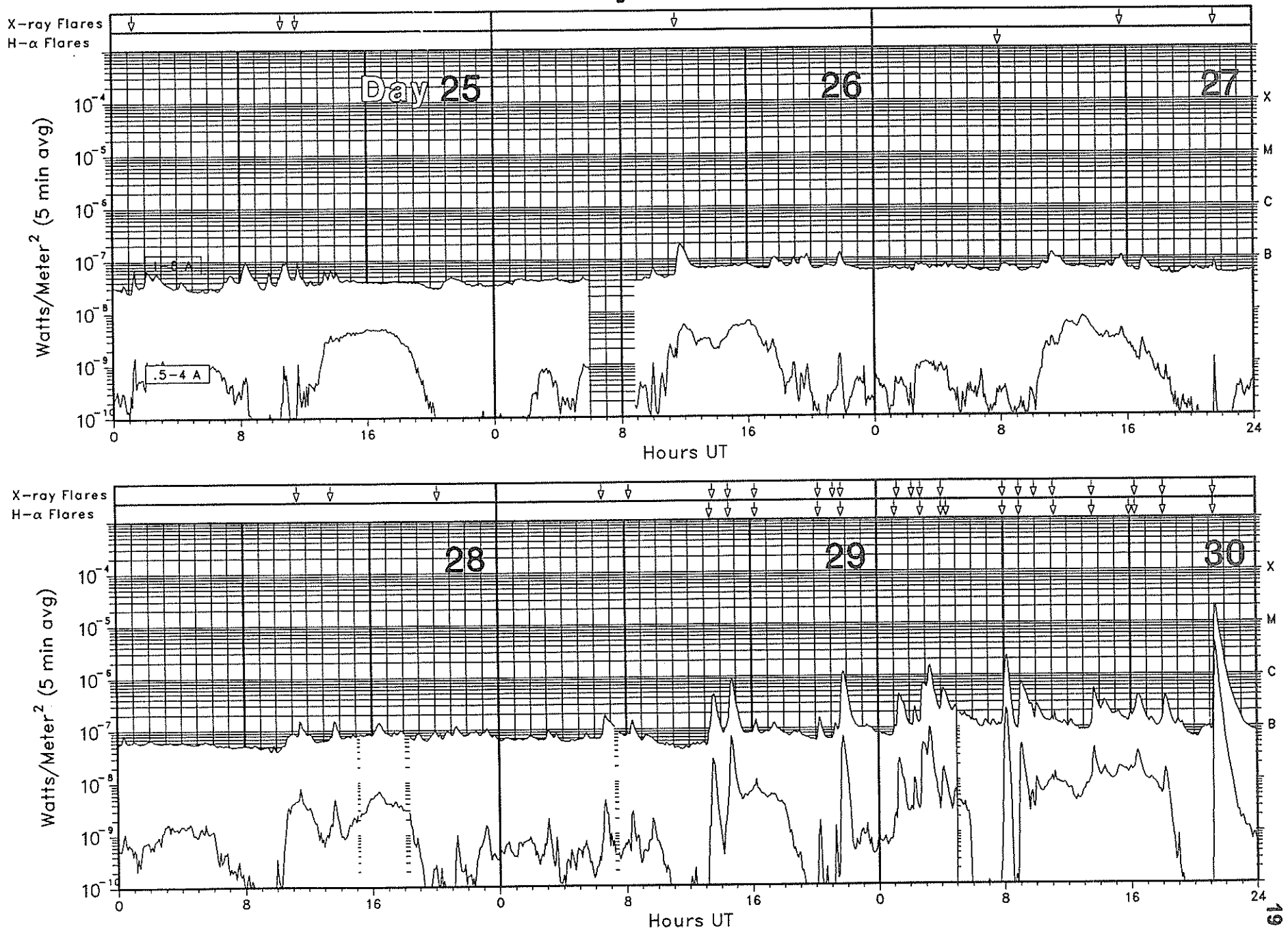
June 1994





GOES-7 X-RAY DETECTOR

June 1994



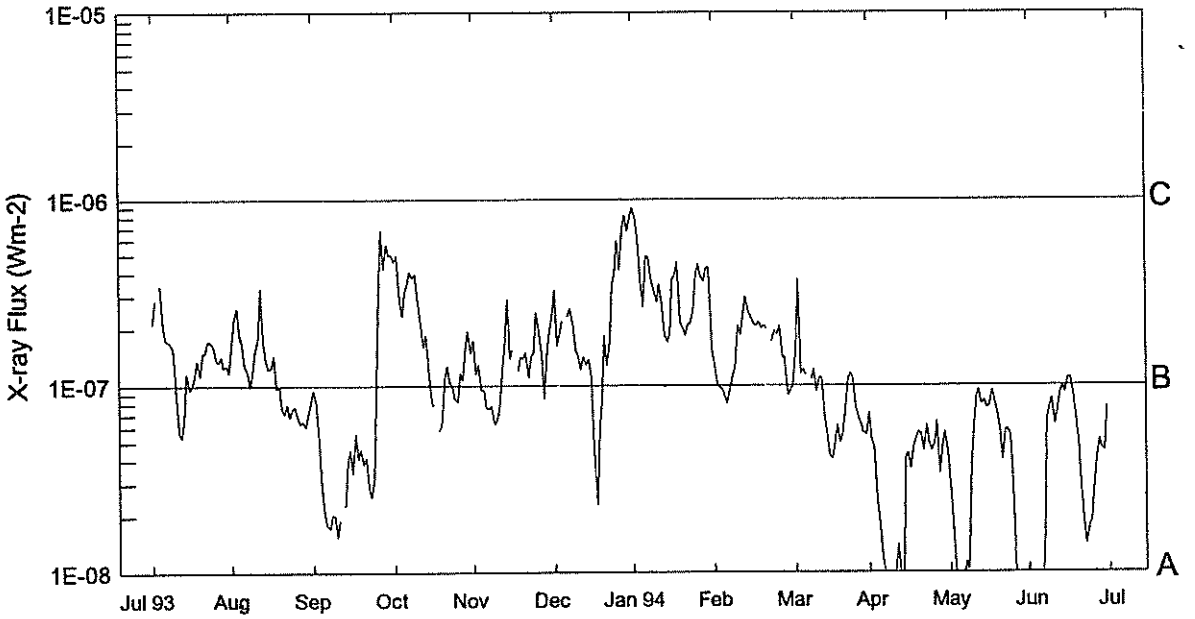
GOES S O L A R X-RAY F L A R E S
Preliminary Listing

June 1994

Day	Start (UT)	Max (UT)	End (UT)	Lat CMD	Imp Opt	Xray	NOAA/ USAF Region
03	1544	1548	1557			B1.0	
06	1223	1228	1231			B2.0	
06	1252	1300	1319	S16W50SF		C2.3	7729
06	1340	1350	1354			B2.5	
06	2307	2315	2317			B1.6	
07	0218	0222	0226			B1.2	
07	0642	0643	0645	S13W64SF		B2.8	7729
07	1149	1154	1209			B1.4	
07	2108	2114	2124			B1.3	
08	0622	0627	0633			B1.5	
09	0710	0717	0733			B1.4	
09	1007	1014	1037	S14E67SF		C1.1	7730
11	1733	1734	1737	N08E29SF		B1.8	7731
12	0829	0836	0844			B2.1	
12	1016	1020	1036			B1.9	
12	1049	1054	1118	S13E27SF		B4.6	7730
12	1517	1553	1631			B2.7	
13	0737	0741	0743			B2.4	
13	0839	0856	0859			B4.4	
13	1527	1531	1537			B1.6	
13	1557	1601	1608			B2.5	
13	1741	1744	1747			B1.7	
14	0322	0327	0329			B2.7	
14	2159	2202	2204			B1.2	
15	1346	1354	1359			B2.1	
15	1423	1426	1428			B3.2	
15	1522	1522	1526	N12W48SF		B3.4	7734
15	1802	1802	1809	N12W48SF		B3.6	7734
15	2001	2006	2015			B2.3	
16	1749	1749	1755	N11W65SF		B4.1	7734
16	2046	2051	2055			B3.4	
16	2200	2204	2211			B3.7	
16	2339	2340	2350	N12W70SF		C1.0	7734
17	0006	0007	0016	S12W42SF		B2.5	7730
17	0315	0319	0322			B1.8	
17	1145	1147	1153	N13W72SF		B8.4	7734
17	1620	1624	1627			B1.7	
17	2051	2055	2107			B1.4	
17	2343	2350	0000			B1.5	
18	1211	1217	1228			B1.2	
18	2025	2026	2032	S13W01SF		B3.1	7735
19	0355	0359	0404			B1.1	
19	2249	2252	2255			B1.1	
24	0225	0232	0240			B6.1	
24	0737	0737	0746	S13W33SF		B4.4	7736
24	1026	1027	1039	S13W35SF		C2.9	
25	0117	0120	0123			B1.0	
25	1042	1046	1054			B1.1	
25	1138	1141	1145			B1.0	
26	1130	1146	1213			B1.9	
27	1535	1538	1542			B1.3	
27	2131	2133	2135			B1.3	
28	1127	1134	1141			B1.6	
28	1335	1343	1351			B1.6	
28	2017	2020	2022			B1.1	
29	0635	0642	0655			B1.9	
29	0819	0825	0831			B1.6	
29	1336	1338	1341	S10E47SF		B4.8	7742
29	1437	1440	1503	S11E46SF		B9.1	7742
29	1618	1619	1622	S11E47SF		B2.0	7742
29	2018	2019U	2023	S11E44SF		B1.6	7742
29	2114	2118	2123			B1.3	
29	2144E	2149	2216	S13E43SF		C1.2	7742
30	0118	0118	0141	S13E39SF		B4.5	7742
30	0214	0219	0226			B2.7	
30	0246	0251	0309	S13E38SF		C1.5	7742
30	0407	0410	0423	S14E53SF		B5.6	7743
30	0800	0811	0831	S10E35SF		C2.4	7742
30	0901	0902	0918	S10E35SF		B7.4	7742
30	0958	1004	1015			B2.8	
30	1109	1112	1115			B2.3	
30	1337	1341	1421	S11E31SF		B5.8	7742
30	1621	1624	1648	S11E31SF		B4.1	7742
30	1806	1815	1829	S12E31SF		B3.9	7742
30	2118	2122	2212	S12E27IB		M2.5	7742

EDITOR's NOTE: Please note that whenever optical flares are given, the times given are times of the optical flares and not the times of the X-ray flares. These data are taken directly from the NOAA SEL "Preliminary Report and Forecast of Solar Geophysical Data" weekly report.

Preliminary GOES Satellite Daily X-Ray Background
Jul 93 - Jun 94



Day	Jul 93	Aug	Sep	Oct	Nov	Dec	Jan 94	Feb	Mar	Apr	May	Jun
1	B2.1	B2.3	A8.0	B4.6	B1.1	B3.2	B7.9	B1.0	A9.4	A5.1	A2.9	<A1.0
2	B2.8	B2.5	A5.1	B4.9	B1.3	B1.6	B6.0	A9.7	A9.9	A4.7	A1.8	<A1.0
3	---	B1.9	A2.8	B2.8	A9.5	B1.8	B3.6	A9.5	B1.5	A2.4	A1.0	<A1.0
4	B3.4	B1.6	A2.1	B2.3	A9.5	B2.2	B2.6	A8.6	B3.7	A1.8	<A1.0	<A1.0
5	B2.0	B1.2	A1.7	B3.1	A7.5	---	B4.9	A8.0	B1.1	A1.2	<A1.0	<A1.0
6	B1.7	B1.1	A1.7	B3.4	A7.5	B2.3	B4.8	A9.6	B1.2	<A1.0	<A1.0	A1.6
7	B1.7	A9.8	A2.0	B4.0	A7.8	B2.5	B3.7	B1.1	B1.1	<A1.0	A1.1	A6.6
8	B1.6	B1.1	A2.0	B3.7	A6.2	B2.1	B3.1	B1.2	---	<A1.0	A1.0	A7.6
9	B1.5	B1.5	A1.5	B3.9	A6.6	B1.5	B2.7	B2.0	B1.0	<A1.0	A3.7	A8.6
10	A8.5	B1.7	A1.9	B2.8	A7.7	B1.4	B3.4	B1.8	B1.2	<A1.0	A5.9	A6.2
11	A5.7	B3.3	---	B2.2	B1.2	B1.2	B2.7	B2.3	A9.1	A1.4	A8.6	A7.3
12	A5.3	B1.7	A2.2	B1.6	B1.5	B1.4	B1.8	B2.9	B1.1	<A1.0	A9.4	A9.0
13	A6.6	B1.3	A3.8	B1.8	B2.8	B1.2	B1.6	B2.5	B1.0	<A1.0	A7.9	B1.0
14	B1.1	B1.2	A4.5	B1.2	B1.3	B1.3	B1.9	B2.3	A6.9	A4.2	A8.3	A9.1
15	A9.5	B1.2	A3.4	A8.2	B1.5	B1.1	B3.6	B2.1	A5.6	A4.4	A7.5	B1.1
16	A9.9	B1.4	A5.6	A7.7	---	A4.5	B3.8	B2.0	A4.2	A3.6	A7.7	B1.1
17	B1.1	A9.6	A4.1	---	B1.1	A2.3	B4.6	B2.1	A4.0	A4.8	A9.4	A9.3
18	B1.3	A9.9	A4.5	A5.7	B1.4	A5.7	B2.1	B2.0	A5.0	A5.3	A8.4	A6.7
19	B1.1	A7.6	A3.8	A6.2	B1.3	A8.2	B2.0	B2.0	A6.1	A5.7	A7.0	A5.1
20	B1.4	A7.1	A4.1	B1.0	B1.5	B1.8	B1.8	B1.9	A4.9	A5.5	A6.0	A2.9
21	B1.5	A7.9	A2.9	B1.2	B1.1	B1.2	B2.1	---	A5.4	A4.5	A4.0	A1.9
22	B1.7	A6.7	A2.5	B1.0	B1.4	B1.6	B2.1	B1.7	A7.7	A6.2	A5.7	A1.4
23	B1.7	A7.5	A3.2	A9.9	B1.4	B3.4	B2.5	B1.9	B1.0	A4.9	A5.8	A1.8
24	B1.6	A7.7	B1.0	A8.5	B2.4	B3.9	B3.8	B1.8	B1.1	A4.5	A5.5	A1.9
25	B1.4	A6.8	B3.0	A8.2	B1.9	B5.9	B4.4	B2.0	B1.0	A5.0	A2.9	A2.9
26	B1.3	A6.2	B6.8	B1.1	B1.4	B4.1	B3.8	B1.3	A7.5	A6.5	A1.1	A4.0
27	B1.4	A6.4	B4.2	B1.0	A8.5	B6.9	B3.5	B1.4	A6.7	A3.4	<A1.0	A5.2
28	B1.2	A6.0	B5.7	B1.5	B1.4	B8.1	B4.2	A8.8	A6.2	A4.7	<A1.0	A4.6
29	B1.2	A7.1	B4.9	B1.9	B1.8	B6.6	B4.2		A5.5	A5.7	<A1.0	A4.5
30	B1.1	A8.1	B5.0	B1.4	B2.3	B7.8	B1.5		A5.5	A4.4	<A1.0	A7.8
31	B1.6	A9.4		B1.7		B8.9	B1.3		A7.2		<A1.0	

NOTE: Background levels below B1.0 are unreliable.

ACTIVE PROMINENCES AND FILAMENTS

JUNE 1994

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
01	AFS	0520E	0933D	N17	E49	06	4.9		02	9	9	E	SVTO		
01	ADF	0925E	1755	N22	E35	06	4.1	1	04	9	9	E	SVTO		
01	DSF	1047U	0000	N20	E47	06	5.0	1	02	9	9	E	RAMY		
01	ADF	1129E	1745	N22	E49	06	5.2	1	01	9	9	E	SVTO		
02	ADF	0925E	1755	N22	E35	06	5.1	1	04	9	9	E	SVTO		
02	SSB	1016		382	W06	05	27.4			0	0	E	RAMY		
04	DSF	1504	1511	N23	E04	06	4.9	2	06	0	0	E	HOLL		
04	ADF	1540E	1739	N22	E05	06	5.0	2	04	7	6	E	SVTO		
06	AFS	1107E	1738	S16	W51	06	2.6		01	9	9	E	SVTO	7729	
06	DSD	1300E	1738	S16	W52	06	2.6		04	9	9	E	SVTO	7729	Flare Associated
06	DSD	1312E	0130	S17	W52	06	2.6		02	9	9	E	HOLL	7729	Flare Associated
06	AFS	1320E	0130	S16	W53	06	2.5		02	9	9	E	HOLL	7729	
06	DSD	1336E	1528D	S15	W51	06	2.7		02	9	9	E	SVTO		
06	AFS	1648E	0419	S15	W54	06	2.6		02	9	9	E	PALE	7729	
06	DSD	1648E	0419	S16	W55	06	2.5		04	9	9	E	PALE	7729	
06	ASR	1726E	0419	S15	E90	06	13.5			9	9	E	PALE		
07	DSF	0142U	0335U	S16	W58	06	2.7	2	04	0	0	E	LEAR	7729	
07	BSD	0145E	0325D	S16	W57	06	2.7		05	9	9	E	LEAR	7729	
07	DSD	0148E	0930	S15	W58	06	2.7		04	9	9	E	LEAR	7729	
07	DSD	0148E	0930	S15	W58	06	2.7		04	9	9	E	LEAR	7729	
07	AFS	0156E	0930	S14	W61	06	2.5		04	9	8	E	LEAR	7729	
07	AFS	0430E	1755	S17	W61	06	2.5		02	9	9	E	SVTO	7729	
07	DSD	0431E	0828D	N15	W61	06	2.6		02	9	9	E	SVTO	7729	
07	DSD	0505E	1255D	S15	W60	06	2.7		01	9	9	E	SVTO	7729	
07	ADF	0557E	0852	S14	W60	06	2.7	1	07	9	9	E	SVTO	7729	
07	ADF	0610	0900	N14	W03	06	7.0						ATHN		
07	APR	0615	0900	N30	E90	06	14.3						ATHN		
07	ADF	0645E	0930	S11	W66	06	2.3	1	06	9	9	E	LEAR	7729	
07	BSD	0650E	0715D	S10	W60	06	2.8		05	9	9	E	LEAR	7729	Flare Associated
07	ASR	0651E	1755	N10	E90	06	14.0			9	9	E	SVTO		
07	DSD	0700E	0827D	N14	W63	06	2.5		05	9	9	E	SVTO	7729	
07	DSF	0852U	0943U	S14	W60	06	2.8	3	07	9	9	E	SVTO	7729	
07	ASR	1120	1755	S12	E90	06	14.2			9	9	E	SVTO		
07	DSD	1255E	1755	S14	W70	06	2.2		05	9	9	E	SVTO	7729	
07	DSD	1300E	1530D	S16	W01	06	7.5		01	9	9	E	SVTO		
07	APR	1400E	1755	N16	E84	06	13.9			9	9	E	SVTO		
07	AFS	1425E	0201	S16	W66	06	2.6		02	9	9	E	HOLL	7729	
07	ASR	1619E	1843	S13	E90	06	14.5			9	9	E	RAMY	7730	
07	AFS	1619E	1843	S16	W68	06	2.5		03	9	9	E	RAMY	7729	
07	AFS	1929E	0238	S15	W67	06	2.7		03	9	9	E	PALE	7729	
07	DSD	1929E	0238	S15	W69	06	2.6		03	9	9	E	PALE	7729	
07	AFS	2021E	0201	S08	W12	06	6.9		01	9	9	E	HOLL		
07	DSD	2034E	2302D	S15	W74	06	2.2		08	9	9	E	HOLL	7729	
07	ASR	2035E	0000	S90	E12	06	9.0			9	9	E	PALE	7730	
07	BSD	2117E	2219D	S14	W75	06	2.2		10	9	9	E	HOLL	7729	
07	ASR	2120E	2233D	S13	E90	06	14.7			9	9	E	HOLL	7730	
07	AFS	2335E	0928	S09	W14	06	6.9		02	9	9	E	LEAR		
08	AFS	0624E	1800	S10	W18	06	6.9		02	9	9	E	SVTO		
08	DSD	0920E	1105D	N10	E77	06	14.2		01	9	9	E	SVTO	7731	
08	DSD	0935E	1110D	S08	W19	06	7.0		01	9	9	E	SVTO		
08	AFS	1100E	1800	S12	E72	06	13.9		02	9	9	E	SVTO	7730	
08	AFS	1306E	0202	S10	W22	06	6.9		01	8	9	E	HOLL	7732	
08	AFS	1448E	2207	S09	W22	06	7.0		02	6	6	E	RAMY	7732	
08	AFS	1448E	2207	S12	E70	06	13.9		02	9	9	E	RAMY	7730	
08	AFS	1448E	2207	S15	W75	06	2.9		02	9	9	E	RAMY	7729	
08	DSD	1452E	2207	N07	E73	06	14.1		03	9	9	E	RAMY	7731	
08	DSD	1455E	1800	S10	W24	06	6.8		02	9	9	E	SVTO		
08	ASR	1514E	1709D	S14	W90	06	1.8			9	9	E	RAMY	7729	
08	ASR	1722E	0202	S15	W90	06	1.9			5	3	E	HOLL	7729	
08	AFS	1722E	0400D	S12	E70	06	14.0		03	9	9	E	PALE	7730	
08	ADF	1722E	0400D	S12	E74	06	14.3	1	04	9	9	E	PALE	7730	
08	ASR	1724E	0400D	S15	E90	06	15.5			9	9	E	PALE	8830	
08	AFS	1726E	0451	S09	W23	06	7.0		03	9	9	E	PALE	7732	
08	ADF	1727E	0400D	S15	W80	06	2.7	1	04	9	9	E	PALE	7729	
08	AFS	1817E	0202	S10	E71	06	14.1		02	9	9	E	HOLL	7730	

ACTIVE PROMINENCES AND FILAMENTS

JUNE 1994

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
08	AFS	2120E	0451	N07	E67	06	13.9		02	9	9	E	PALE	7731	
09	ASR	0055E	0451	S14	W90	06	2.2			9	9	E	PALE	7729	
09	AFS	0400E	0930	S65	E14	06	10.4		05	9	5	E	LEAR	7730	
09	AFS	0501E	1755	N06	E66	06	14.1		03	9	9	E	SVTO	7731	
09	AFS	0501E	1755	S12	E61	06	13.8		02	9	9	E	SVTO	7730	
09	AFS	0502E	1755	N02	E16	06	10.4		02	9	9	E	SVTO		
09	AFS	0502E	1755	S10	W30	06	6.9		02	9	9	E	SVTO	7732	
09	DSD	0503E	0859D	N03	E65	06	14.1		02	9	9	E	SVTO	7731	
09	DSD	0516E	1755	S09	E54	06	13.3		03	9	9	E	SVTO	7730	
09	ASR	0529E	1755	S15	W90	06	2.4			9	9	E	SVTO	7729	
09	AFS	0537E	0930	N07	E71	06	14.5		04	9	9	E	LEAR	7731	
09	AFS	0540E	0930	N03	E18	06	10.6		02	9	9	E	LEAR		
09	DSD	0810E	0830D	S08	W32	06	6.9		02	9	9	E	LEAR	7732	
09	AFS	0835E	0930	S08	W32	06	6.9		02	9	9	E	LEAR	7732	
09	BSL	1005	1020	S18	E69	06	14.7			9	9	E	SVTO	7730	Flare Associated
09	DSD	1007	1110D	S16	E66	06	14.4		08	9	9	E	SVTO	7730	Flare Associated
09	AFS	1055E	1732D	S11	E57	06	13.7		02	9	9	E	RAMY	7730	
09	ADF	1055E	1732D	S16	E64	06	14.3	1	08	9	9	E	RAMY	7730	
09	DSD	1056E	1732D	S10	E52	06	13.4		02	9	9	E	RAMY	7730	
09	DSD	1110E	1401D	N06	E64	06	14.2		02	9	9	E	RAMY	7731	
09	DSD	1110E	1401D	N08	E63	06	14.2		04	9	9	E	RAMY	7731	
09	AFS	1118E	1732D	N04	E14	06	10.5		01	9	9	E	RAMY		
09	AFS	1120E	1732D	S09	W33	06	7.0		02	9	9	E	RAMY	7732	
09	ADF	1120E	1755	S15	E67	06	14.5		10	9	9	E	SVTO	7730	
09	ASR	1129E	1402D	S14	W90	06	2.7			9	9	E	RAMY	7729	
09	APR	1225E	1755	S23	E90	06	16.4	1		8	9	E	SVTO		
09	AFS	1231E	0150	N02	E15	06	10.6		02	9	9	E	HOLL	7733	
09	AFS	1240E	0105	S13	E58	06	13.9		01	9	9	E	HOLL	7730	
09	ASR	1250E	1655D	S16	W90	06	2.7			9	9	E	HOLL	7729	
09	DSD	1403	1555D	S11	E51	06	13.4		06	9	9	E	SVTO	7730	Flare Associated
09	DSD	1412E	1708D	S11	E52	06	13.5		05	9	9	E	HOLL	7730	
09	DSD	1620E	1732D	N08	E57	06	13.9		02	9	9	E	RAMY	7731	
09	ASR	1724E	0400D	S15	E90	06	16.5			9	9	E	PALE	7730	
09	ADF	1840E	0300D	S16	E65	06	14.7	1	05	9	9	E	PALE	7730	
09	AFS	1840E	0456	N03	E10	06	10.5		02	9	9	E	PALE	7733	
09	ADF	1840E	0456	N12	E62	06	14.4	1	03	9	9	E	PALE	7731	
09	AFS	1840E	0456	S10	W36	06	7.1		02	9	9	E	PALE	7732	
09	AFS	1840E	0456	S11	E48	06	13.4		02	9	9	E	PALE	7730	
09	AFS	1840E	0456	S11	E48	06	13.4		02	9	9	E	PALE	7730	
09	DSD	1840E	2358D	N08	E59	06	14.2		02	9	9	E	PALE	7731	
09	AFS	1858E	0105	S08	W38	06	6.9		02	9	9	E	HOLL	7732	
09	ASR	2215E	2358D	S16	W90	06	3.1			9	9	E	PALE	7729	
10	ASR	0014E	0456	S16	W90	06	3.2			9	9	E	PALE	7729	
10	AFS	0400E	0920	S14	E49	06	13.9		05	9	9	E	LEAR	7730	
10	AFS	1046E	1710	N04	W01	06	10.4		02	9	9	E	SVTO	7733	
10	DSD	1112E	1906D	S11	E38	06	13.3		02	9	9	E	RAMY	7730	
10	AFS	1112E	1906D	S11	E44	06	13.8		02	9	9	E	RAMY	7730	
10	AFS	1125E	1906D	N07	E50	06	14.2		01	9	9	E	RAMY	7731	
10	AFS	1126E	1906D	S08	W48	06	6.9		03	9	9	E	RAMY	7732	
10	ADF	1126E	1906D	S10	W44	06	7.2	1	06	9	9	E	RAMY	7732	
10	AFS	1136E	1906D	N04	E00	06	10.5		02	9	9	E	RAMY	7733	
10	AFS	1158E	1710	S08	W51	06	6.7		02	9	9	E	SVTO	7732	
10	AFS	1208E	1710	S12	E41	06	13.6		01	9	9	E	SVTO	7730	
10	ADF	1210E	1710	S11	E41	06	13.6	1	03	9	9	E	SVTO	7730	
10	ADF	1422E	1710	N08	E46	06	14.0	1	05	9	9	E	SVTO	7731	
10	DSD	1610E	1906D	N05	E43	06	13.9		02	8	9	E	RAMY	7731	
10	SSB	1615		319	W52	06	9.0			0	0	E	RAMY		
10	AFS	1640E	1906D	S11	E20	06	12.2		01	9	9	E	RAMY		
10	DSD	1800E	0044D	N09	E46	06	14.2		02	9	9	E	PALE	7731	
10	ADF	1800E	0044D	S10	E44	06	14.0	1	03	9	9	E	PALE	7730	
10	DSD	1800E	0044D	S11	W50	06	7.0		02	9	9	E	PALE	7732	
10	AFS	1800E	0455	N04	W01	06	10.7		02	9	9	E	PALE	7733	
10	AFS	1800E	0455	N06	E45	06	14.1		02	9	9	E	PALE	7731	
10	AFS	1800E	0455	S08	W51	06	6.9		02	9	9	E	PALE	7732	
10	AFS	1800E	0455	S11	E41	06	13.8		02	9	9	E	PALE	7730	
10	DSD	1834E	1906D	S10	E17	06	12.0		01	9	9	E	RAMY		
10	SSB	1935		317	W52	06	9.4			0	0	E	PALE		342 W77
10	AFS	2113E	0455	N12	E17	06	12.2		02	9	9	E	PALE		

ACTIVE PROMINENCES AND FILAMENTS

JUNE 1994

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
10	AFS	2140E	0054	N12	E17	06	12.2		02	9	9	E	HOLL		
11	AFS	0310E	0455	S09	E01	06	11.2		01	8	8	E	PALE		
11	DSD	1014E	1726D	N07	E32	06	13.8		02	8	9	E	RAMY	7731	
11	AFS	1017E	1922	S10	E32	06	13.8		02	8	8	E	RAMY	7730	
11	AFS	1020E	1922	N04	W12	06	10.5		02	9	9	E	RAMY	7733	
11	AFS	1024E	1922	S08	W59	06	7.0		02	8	9	E	RAMY	7732	
11	AFS	1028E	1922	N12	E11	06	12.3		01	9	9	E	RAMY	7734	
11	ADF	1050E	1708D	S11	W63	06	6.7	1	08	9	9	E	RAMY	7732	
11	DSD	1212E	1728D	S11	E25	06	13.4		03	8	9	E	RAMY	7730	
11	AFS	1450E	1640D	N12	E09	06	12.3		01	9	9	E	HOLL	7734	
11	AFS	1450E	1640D	N12	E09	06	12.3		01	9	9	E	HOLL	7734	
11	DSD	1640E	0015	N12	E07	06	12.2		02	9	9	E	HOLL	7734	
11	DSD	1733	1750	N07	E28	06	13.8		04	9	9	E	HOLL	7731	Flare Associated
11	DSD	1733	1750	N08	E26	06	13.7		03	9	9	E	HOLL	7731	Flare Associated
11	DSD	1745E	1753D	N08	E29	06	13.9		05	9	9	E	PALE	7731	Flare Associated
11	AFS	1759E	0417	N11	E06	06	12.2		01	9	9	E	PALE	7734	
11	AFS	1759E	0417	S09	W65	06	6.9		02	9	9	E	PALE	7732	
11	AFS	1759E	0417	S12	E26	06	13.7		02	9	9	E	PALE	7730	
11	AFS	2004E	0417	N04	W18	06	10.5		01	9	9	E	PALE	7733	
11	ASR	2204E	0417	S17	E90	06	18.7			9	9	E	PALE		
11	ASR	2257E	0015	S15	E90	06	18.8			9	9	E	HOLL		
11	DSF	2333U	1632U	N08	E10	06	12.7	2	12	0	0	E	PALE		
12	AFS	0106E	0820D	N13	E01	06	12.1		02	9	9	E	LEAR	7734	
12	ASR	0115E	0845	S16	E90	06	18.9			9	9	E	LEAR		
12	DSD	0116E	0200D	N02	W18	06	10.7		03	9	9	E	LEAR	7733	
12	DSF	0812U	2330U	N05	E23	06	14.1	2	06	0	0	E	LEAR		
12	AFS	1018E	1616D	S11	E18	06	13.8		02	9	9	E	RAMY	7731	
12	AFS	1022E	2044	N04	W25	06	10.6		01	9	8	E	RAMY	7733	
12	ASR	1026E	2044	S13	E84	06	18.8			9	9	E	RAMY		
12	SSB	1033		245	W01	06	15.8			0	0	E	RAMY		
12	DSD	1045E	1605D	N10	W07	06	11.9		01	7	8	E	RAMY	7734	
12	ADF	1049E	2044	S15	E18	06	13.8	1	10	9	9	E	RAMY	7730	
12	ASR	1216E	1520D	S08	W83	06	6.3			9	8	E	RAMY	7732	
12	DSF	1227U	1548U	S03	W04	06	12.2	2	12	0	0	E	RAMY		
12	DSF	1408U	1638U	N07	E01	06	12.7	1	18	0	0	E	HOLL		
12	AFS	1440E	2316D	N04	W29	06	10.4		02	9	9	E	HOLL	7733	
12	AFS	1444E	2316D	S12	E17	06	13.9		03	9	9	E	HOLL	7730	
12	ASR	1448E	0113	S14	E88	06	19.3			9	9	E	HOLL		
12	DSD	1452E	2044D	N09	E19	06	14.0		02	9	9	E	HOLL	7731	
12	AFS	1454E	2021D	S09	W78	06	6.8		02	9	9	E	HOLL	7732	
12	AFS	1701E	2203D	N10	W09	06	12.0		03	9	9	E	HOLL	7734	
12	AFS	1920E	0340	N04	W31	06	10.5		02	9	9	E	PALE	7733	
12	AFS	1920E	0340	N11	W08	06	12.2		02	9	9	E	PALE	7734	
12	AFS	1920E	0340	S09	E11	06	13.6		02	9	9	E	PALE	7730	
12	DSD	1920E	2116D	N08	E16	06	14.0		02	9	9	E	PALE	7731	
12	ASR	1950E	0340	S14	E84	06	19.2			9	9	E	PALE		
12	ADF	2039E	0113	S12	W20	06	11.3	1	15	9	9	E	HOLL	7730	
12	ADF	2040E	0340	S14	E22	06	14.5	1	04	9	9	E	PALE	7730	
12	DSD	2058E	2116D	S08	E09	06	13.5		03	9	9	E	PALE	7730	
12	DSD	2208E	2314D	S09	W08	06	12.3		02	9	9	E	HOLL	7730	
13	AFS	0115E	0933	S14	E04	06	13.3		03	5	4	E	LEAR	7730	
13	ASR	0630E	0837D	S06	W90	06	6.5			9	9	E	LEAR	7732	
13	ADF	0858E	0933	S04	E14	06	14.4	1	16	9	9	E	LEAR	7730	Flare Associated
13	DSD	1205E	1842	S09	E00	06	13.5		03	9	9	E	RAMY	7730	
13	AFS	1205E	1842	S10	E04	06	13.8		02	9	9	E	RAMY	7730	
13	ADF	1210E	1715D	S13	E74	06	19.1	1	09	9	9	E	RAMY	7735	
13	DSD	1221E	1828D	N08	E05	06	13.9		02	9	9	E	RAMY	7731	
13	AFS	1221E	1828D	N10	E06	06	14.0		02	9	9	E	RAMY	7731	
13	DSD	1221E	1828D	N10	E08	06	14.1		03	9	9	E	RAMY	7731	
13	AFS	1228E	1842	N05	W41	06	10.4		02	9	9	E	RAMY	7733	
13	DSD	1229E	1708D	N12	W22	06	11.9		02	9	9	E	RAMY	7734	
13	DSF	1326U	1054U	S24	E46	06	17.1	2	10	0	0	E	RAMY		
13	AFS	1328E	0054	S10	E03	06	13.8		02	9	9	E	HOLL	7730	
13	AFS	1331E	0054	N09	E05	06	13.9		02	9	9	E	HOLL	7731	
13	DSD	1336E	2338D	N11	W22	06	11.9		03	9	9	E	HOLL	7734	
13	DSD	1639E	2223D	S15	E65	06	18.6		03	9	9	E	HOLL	7735	
13	DSD	1716E	0438	S03	W12	06	12.8		03	9	9	E	PALE	7730	

ACTIVE PROMINENCES AND FILAMENTS

JUNE 1994

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
13	DSD	1725E	0438	N11	W19	06	12.3		03	9	9	E	PALE	7734	
13	DSD	1730E	0438	S09	W90	06	7.0		03	9	9	E	PALE	7732	
13	DSD	1751E	0438	S15	E69	06	19.0		03	9	9	E	PALE	7735	
14	DSD	0034E	0205	S06	W22	06	12.4		04	9	9	E	HOLL	7730	
14	AFS	0335E	0830D	N05	W49	06	10.5		03	9	7	E	LEAR	7733	
14	ADF	0350E	0835D	N16	E01	06	14.2	1	04	9	9	E	LEAR	7731	
14	DSD	1027E	1928D	N10	W04	06	14.1		01	9	9	E	RAMY	7731	
14	AFS	1030E	1947	S05	W52	06	10.5		02	9	9	E	RAMY	7733	
14	AFS	1032E	1947	N12	W31	06	12.1		02	9	9	E	RAMY	7734	
14	DSD	1032E	1947	N12	W32	06	12.0		02	9	9	E	RAMY	7734	
14	DSF	1032U	1254U	N12	W33	06	11.9	1	06	9	9	E	RAMY	7734	
14	DSD	1042E	1712D	S12	E54	06	18.5		01	9	9	E	RAMY	7735	
14	DSD	1042E	1712D	S13	E60	06	19.0		04	9	9	E	RAMY	7735	
14	DSD	1042E	1712D	S14	E54	06	18.5		03	9	9	E	RAMY	7735	
14	SSB	1051		221	W04	06	16.0			0	0	E	RAMY		
14	AFS	1252E	0205	N12	W34	06	12.0		02	9	9	E	HOLL	7734	
14	DSD	1412E	0205	S12	E53	06	18.6		03	9	9	E	HOLL	7735	
14	DSD	1855E	2050D	S06	W18	06	13.4		02	9	9	E	HOLL	7730	
14	AFS	1935E	2054	N10	W06	06	14.4		02	9	9	E	PALE	7731	
14	AFS	1935E	2054	N11	W36	06	12.1		02	9	9	E	PALE	7734	
14	DSD	1935E	2054	N14	W34	06	12.2		02	9	9	E	PALE	7734	
14	AFS	1935E	2054	S03	W60	06	10.3		02	9	9	E	PALE	7733	
14	ADF	1935E	2054	S05	W18	06	13.5	1	03	9	9	E	PALE	7730	
14	AFS	1935E	2054	S09	W16	06	13.6		02	9	9	E	PALE	7730	
14	DSD	2023E	0205	N12	W40	06	11.8		03	9	9	E	HOLL	7734	
14	DSD	2343E	0205	N11	W12	06	14.1		01	9	9	E	HOLL	7731	
15	AFS	0001E	0857	N14	W40	06	12.0		04	9	9	E	LEAR	7734	
15	DSD	0022E	0213D	S06	W21	06	13.4		02	9	9	E	LEAR	7730	
15	DSD	0034E	0205	S06	W22	06	13.4		04	9	9	E	HOLL	7730	
15	ADF	0500E	0750D	N12	W14	06	14.1	1	04	9	9	E	LEAR	7731	
15	AFS	1029E	1902D	N11	W45	06	12.0		03	9	9	E	RAMY	7734	
15	AFS	1032E	1313D	S11	E46	06	18.9		01	9	9	E	RAMY	7735	
15	ASR	1116E	1315D	S11	E80	06	21.5			9	9	E	RAMY		
15	AFS	1304E	0135	N13	W48	06	11.9		02	9	9	E	HOLL	7734	
15	DSD	1604E	1902D	S09	W27	06	13.6		01	9	9	E	RAMY	7730	
15	DSD	1608E	1902D	S15	E38	06	18.5		03	9	9	E	RAMY	7735	
15	SSB	1610		226	W25	06	17.7			0	0	E	RAMY		
15	DSD	1632E	0135	S16	W37	06	12.9		03	9	9	E	HOLL	7735	
15	DSD	1659E	0135D	N12	W52	06	11.8		03	9	9	E	HOLL	7734	
15	SSB	1750		225	W25	06	17.7			0	0	E	PALE		242 W42
15	AFS	1755E	0456	N09	W21	06	14.2		02	7	7	E	PALE	7731	
15	DSD	1755E	0456	N11	W46	06	12.3		03	9	9	E	PALE	7734	
15	AFS	1755E	0456	N13	W50	06	12.0		02	9	9	E	PALE	7734	
15	AFS	1755E	0456	S08	W28	06	13.6		02	9	9	E	PALE	7730	
15	AFS	1755E	0456	S11	E37	06	18.5		02	9	9	E	PALE	7735	
15	DSD	1755E	0456	S12	W30	06	13.5		02	9	9	E	PALE	7730	
15	ADF	1755E	0456	S18	W25	06	13.8	1	03	9	9	E	PALE	7730	
16	AFS	0009E	0920	N13	W53	06	12.0		04	7	8	E	LEAR	7734	
16	AFS	0820E	0920	S15	E34	06	18.9		03	3	4	E	LEAR	7735	
16	AFS	1023E	2010	N11	W57	06	12.1		02	9	9	E	RAMY	7734	
16	SSB	1028		224	W33	06	18.3			0	0	E	RAMY		
16	AFS	1031E	2010	S14	E31	06	18.8		02	8	9	E	RAMY	7735	
16	AFS	1043E	2010	S11	W34	06	13.9		01	8	8	E	RAMY	7730	
16	AFS	1051E	2010	S13	E68	06	21.6		01	9	9	E	RAMY	7736	
16	DSD	1056E	2010	S12	E33	06	18.9		01	9	9	E	RAMY	7735	
16	DSD	1100E	1359D	N11	W54	06	12.4		01	9	9	E	RAMY	7734	
16	DSD	1325E	0031D	S11	E30	06	18.8		02	6	7	E	HOLL	7735	
16	AFS	1330E	2048D	S12	E67	06	21.6		01	9	9	E	HOLL	7736	
16	ASR	1349E	2010	S12	E90	06	23.3			9	9	E	RAMY		
16	AFS	1446E	1734	N11	W60	06	12.1		02	9	9	E	SVTO	7734	
16	ASR	1611E	1639D	N04	W81	06	10.6			9	9	E	RAMY	7733	
16	DSD	1616E	2010	N08	W32	06	14.3		03	9	9	E	RAMY	7731	
16	DSD	1705E	0139	N11	W34	06	14.1		03	9	9	E	HOLL	7731	
16	DSF	1840U	1048U	N37	W53	06	12.5	2	12	0	0	E	RAMY		
16	DSD	2329E	0450	N12	W67	06	11.9		03	9	9	E	PALE	7734	
16	AFS	2329E	0450	N13	W64	06	12.1		02	9	9	E	PALE	7734	
16	ASR	2349E	0450	S12	E90	06	23.8			9	9	E	PALE		

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
17	DSF	0030U	0808	N38	W44	06	13.5	2	17	0	0	E	LEAR		
17	BSD	0113E	0234D	N13	W65	06	12.1		02	9	9	E	PALE	7734	
17	AFS	0119E	0450	S15	E22	06	18.7		02	8	8	E	PALE	7735	
17	DSF	0129U	1517U	N33	W42	06	13.7	2	14	0	0	E	HOLL		
17	AFS	0350E	0925	N14	W66	06	12.2		03	7	5	E	LEAR	7734	
17	DSF	0355U	1048U	N38	W63	06	12.1	1	19	0	0	E	PALE		
17	APR	0855	0915	N29	W90	06	10.3						ATHN		
17	AFS	0915E	1750	N12	W74	06	11.8		02	9	9	E	SVTO	7734	
17	AFS	1037E	1654	N13	W70	06	12.2		01	9	9	E	RAMY	7734	
17	AFS	1041E	1654	S12	W48	06	13.8		01	9	8	E	RAMY	7730	
17	AFS	1045E	1632D	S13	E54	06	21.5		01	7	8	E	RAMY	7736	
17	SSB	1050		209	W32	06	18.2			0	0	E	RAMY		227 W50
17	AFS	1133E	1639D	S14	E18	06	18.8		01	9	8	E	RAMY	7735	
17	BSD	1325E	1750	N03	W85	06	11.2		01	9	9	E	SVTO		
17	AFS	1332E	1750	S15	E17	06	18.8		02	9	9	E	SVTO	7735	
17	AFS	1338E	1750	S12	E53	06	21.6		02	7	7	E	SVTO	7736	
17	AFS	1400E	2031	S13	E75	06	23.2		02	9	9	E	HOLL		
17	DSD	1420E	1654	S15	E13	06	18.6		02	8	8	E	RAMY	7735	
17	ASR	1427E	1654	N04	W90	06	10.9			7	8	E	RAMY		
17	ASR	1518E	2031	N06	W90	06	10.9			8	9	E	HOLL		
17	SSB	1712		246	W72	06	21.9			0	0	E	PALE		
17	AFS	1749E	0337	S10	W53	06	13.8		02	9	9	E	PALE	7730	
17	AFS	1749E	0337	S11	E47	06	21.3		02	9	9	E	PALE	7736	
18	DSD	0050E	0330D	N09	W87	06	11.5		02	9	9	E	PALE	7734	
18	ASR	0050E	0330D	N11	W90	06	11.3			9	9	E	PALE	7734	
18	AFS	0529E	0958D	S11	E43	06	21.5		02	7	7	E	SVTO	7736	
18	SSB	0530		222	W55	06	20.1			0	0	E	SVTO		
18	SSB	0530		235	W68	06	21.4			0	0	E	SVTO		
18	ASR	0611E	1745	N10	W90	06	11.5			9	8	E	SVTO	7734	
18	ASR	1044E	2102	N11	W90	06	11.7			9	9	E	RAMY	7734	
18	AFS	1046E	2102	S15	E06	06	18.9		01	7	6	E	RAMY	7735	
18	DSD	1051E	1739D	S12	E37	06	21.2		01	9	9	E	RAMY	7736	
18	AFS	1051E	2102	S12	E36	06	21.2		01	9	9	E	RAMY	7736	
18	DSD	1053E	1725D	S11	W60	06	13.9		02	9	9	E	RAMY	7730	
18	ASR	1053E	1222D	S08	E90	06	25.2			7	7	E	SVTO		
18	SSB	1059		171	W07	06	23.8			0	0	E	RAMY		202 W38 227 W63
18	AFS	1140E	1529D	S07	W07	06	18.0		01	9	9	E	SVTO		
18	AFS	1314E	1745	S12	E35	06	21.2		02	9	9	E	SVTO	7736	
18	ASR	1327E	0020D	N13	W90	06	11.8			9	9	E	HOLL	7734	
18	AFS	1334E	0206	S12	E35	06	21.2		02	9	9	E	HOLL	7734	
18	AFS	1341E	0206	S14	E04	06	18.9		03	9	9	E	HOLL	7735	
18	DSD	1343E	0020D	S09	E02	06	18.7		02	8	9	E	HOLL	7735	
18	DSD	1357E	1745	S12	E66	06	23.5		01	9	9	E	SVTO		
18	DSF	1420U	1502U	S14	W46	06	15.1	3	07	0	0	E	HOLL	7730	
18	AFS	2025E	2102	S12	E61	06	23.4		02	9	9	E	RAMY	7737	
19	APR	0047E	0206	N01	W90	06	12.3			9	9	E	HOLL		
19	ADF	0220E	0801D	S06	W02	06	18.9	1	04	9	9	E	LEAR	7735	
19	SSB	0519		228	W74	06	21.8			0	0	E	SVTO		
19	AFS	0520E	1753	S12	E57	06	23.5		01	9	9	E	SVTO	7737	
19	AFS	1035E	2214	S12	E25	06	21.3		01	9	9	E	RAMY	7736	
19	AFS	1039E	2214	S12	E53	06	23.4		02	9	9	E	RAMY	7737	
19	ADF	1330E	1523D	S07	W09	06	18.9	1	02	9	9	E	SVTO	7735	
19	EPL	1356	1427	S37	W90	06	12.3	01	05				VALA		
19	AFS	1711E	2214	S14	W12	06	18.8		01	9	9	E	RAMY	7735	
19	AFS	1717E	2214	S09	W24	06	17.9		01	7	9	E	RAMY	7738	
19	DSD	1811E	0007D	S14	E51	06	23.6		03	9	9	E	HOLL	7737	
20	AFS	0150E	0850D	S16	E45	06	23.5		01	9	9	E	LEAR	7737	
20	AFS	0445E	1055	S13	E44	06	23.5		01	9	9	E	SVTO	7737	
20	AFS	1125E	2222	S14	W22	06	18.8		01	9	9	E	RAMY	7735	
20	AFS	1138E	2222	N04	W70	06	15.2		02	9	9	E	RAMY		
20	AFS	1211E	2222	S09	E30	06	22.7		01	9	9	E	RAMY	7739	
20	AFS	1221E	2222	S12	E40	06	23.5		01	9	9	E	RAMY	7737	
20	AFS	1229E	0103	S13	E40	06	23.5		01	8	7	E	HOLL	7737	
20	ASR	1359E	1713D	N09	W90	06	13.8			9	9	E	HOLL	7731	
20	ASR	1536E	2222	N07	W90	06	13.9			9	9	E	RAMY	7731	
20	AFS	1605E	2222	S12	E10	06	21.4		01	7	9	E	RAMY	7736	

ACTIVE PROMINENCES AND FILAMENTS

JUNE 1994

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
20	AFS	2042E	0103	N05	W79	06	14.9		02	9	9	E	HOLL		
20	ASR	2359E	0103	N11	W90	06	14.2			8	7	E	HOLL		
21	AFS	0010E	0515D	S33	E14	06	22.1		02	9	9	E	LEAR	7737	
21	AFS	0527E	0930	S16	E02	06	21.4		01	9	9	E	LEAR	7736	
21	AFS	0615E	1800	S12	E29	06	23.4		02	9	9	E	SVTO	7737	
21	AFS	0616E	1800	S14	W33	06	18.8		02	9	9	E	SVTO	7735	
21	AFS	0617E	1800	S08	E19	06	22.7		02	9	9	E	SVTO	7739	
21	AFS	1131E	2209	S12	E26	06	23.4		02	8	6	E	RAMY	7737	
21	AFS	1136	2209	S09	E16	06	22.7		01	7	6	E	RAMY	7739	
21	AFS	1334E	2209	S14	W23	06	19.8		02	9	9	E	RAMY		
21	DSD	1514E	1800	S17	E00	06	21.6		02	9	9	E	SVTO	7736	
21	AFS	1534E	0051	S14	W40	06	18.6		01	9	9	E	HOLL	7735	
21	DSD	1542E	0051	S01	W16	06	20.4		01	9	9	E	HOLL	7736	
21	AFS	1633E	0051	S03	W16	06	20.5		01	9	9	E	HOLL	7736	
21	AFS	1956E	0051	S12	E21	06	23.4		02	5	5	E	HOLL	7737	
22	AFS	0410E	0930	S09	W16	06	21.0		04	9	7	E	LEAR	7736	
22	AFS	0523E	1703D	S17	W08	06	21.6		03	9	9	E	SVTO	7736	
22	AFS	0524E	1703D	S11	E16	06	23.4		02	9	9	E	SVTO	7737	
22	DSD	0525E	1523D	S17	W07	06	21.7		02	9	9	E	SVTO	7736	
22	AFS	1105E	2049	S17	W13	06	21.5		02	8	9	E	RAMY	7736	
22	AFS	1111E	2049	S12	E12	06	23.4		01	9	9	E	RAMY	7737	
22	AFS	1230E	2049	S15	W52	06	18.6		01	8	8	E	RAMY	7735	
22	AFS	1312E	0001	S12	E11	06	23.4		02	4	4	E	HOLL	7737	
22	ASR	1407E	0001	S01	W90	06	15.9			9	9	E	HOLL		
23	AFS	0205E	0921	S14	W21	06	21.5		04	9	7	E	LEAR	7736	
23	AFS	1142E	2156	N14	W04	06	23.2		01	9	9	E	RAMY		
23	DSD	1145E	1524D	S16	W27	06	21.4		02	9	9	E	RAMY	7736	
23	AFS	1145E	2156	S16	W26	06	21.5		01	9	9	E	RAMY	7736	
23	AFS	1224E	2156	S11	W03	06	23.3		01	9	9	E	RAMY	7737	
23	AFS	1412E	0209	S16	W28	06	21.5		02	9	9	E	HOLL	7736	
23	AFS	1735E	0209	S11	W05	06	23.3		02	9	9	E	HOLL	7737	
23	AFS	2200E	0209	S11	W27	06	21.9		01	9	9	E	HOLL	7736	
24	AFS	0030E	0905D	S10	W10	06	23.3		01	9	9	E	LEAR	7737	
24	AFS	0435E	1810	S19	W35	06	21.5		02	9	9	E	SVTO	7736	
24	AFS	0750E	1810	S12	W32	06	21.9		02	9	9	E	SVTO	7740	
24	DSD	1112E	1810	S12	W14	06	23.4		02	9	9	E	SVTO	7737	
24	AFS	1122E	2214	S11	W35	06	21.8		02	9	9	E	RAMY	7740	
24	AFS	1122E	2214	S15	W40	06	21.4		01	9	9	E	RAMY	7736	
24	DSD	1155E	1215D	S15	W29	06	22.3	1					KHAR		A,Ws
24	BSD	1200E	1215D	S14	W28	06	22.4	1					KHAR		A,Ws
24	AFS	1200E	2214	S11	W16	06	23.3		01	9	9	E	RAMY	7737	
24	AFS	1330E	0157	S13	W15	06	23.4		02	8	7	E	HOLL	7737	
24	AFS	1341E	0157	S11	W36	06	21.9		02	9	9	E	HOLL	7740	
24	AFS	1900E	2214	N04	E05	06	25.2		02	9	9	E	RAMY		
24	AFS	1945E	0157	N04	E05	06	25.2		01	9	9	E	HOLL		
25	AFS	0200E	0933	S07	W43	06	21.9		01	9	9	E	LEAR	7740	
25	DSF	0401U	2330U	S39	W30	06	22.7	2	15	0	0	E	LEAR		
25	AFS	0450E	1015D	S07	E03	06	25.4		01	9	9	E	SVTO		
25	AFS	0451E	1533D	S12	W25	06	23.3		02	7	8	E	SVTO	7737	
25	ADF	0625E	1800	S15	W49	06	21.5	1	03	9	9	E	SVTO	7736	
25	ADF	0625E	1800	S18	W49	06	21.5	1	02	9	9	E	SVTO	7736	
25	AFS	0645E	1800	N03	W03	06	25.0		01	9	9	E	SVTO		
25	DSD	0745E	0905D	S12	W47	06	21.8		02	9	9	E	SVTO	7740	
25	DSD	0745E	0905D	S18	W78	06	19.4		01	9	9	E	SVTO	7735	
25	DSD	0745E	0905D	S21	W49	06	21.6		03	9	9	E	SVTO	7736	
25	APR	0840	0905D	S19	W90	06	18.5	1		9	9	E	SVTO		
25	BSL	0850E	0859	S19	W90	06	18.5	01	05				VALA		R
25	BSL	0850E	0903D	S22	W90	06	18.4	02	15				VALA		R
25	DSD	1015E	1800	N04	W04	06	25.1		02	9	9	E	SVTO		
25	AFS	1023E	2232	S17	W51	06	21.5		01	7	8	E	RAMY	7736	
25	AFS	1029E	2232	S10	W49	06	21.7		01	8	8	E	RAMY	7740	
25	ADF	1029E	2232	S11	W47	06	21.9	1	04	9	7	E	RAMY	7740	
25	AFS	1037E	2232	S10	W29	06	23.3		01	7	6	E	RAMY	7737	
25	AFS	1037E	2232	S12	W26	06	23.5		01	9	9	E	RAMY	7737	
25	DSD	1042E	1740D	N04	W05	06	25.1		01	9	9	E	RAMY	7741	

ACTIVE PROMINENCES AND FILAMENTS

JUNE 1994

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
25	AFS	1042E	2232	N04	W04	06	25.1		01	9	9	E	RAMY	7741	
25	SSB	1050		437	W05	06	22.7			0	0	E	RAMY		
25	ASR	1227E	1442D	S19	W90	06	18.6			9	9	E	SVTO	7735	
25	AFS	1242E	1451D	N08	W12	06	24.6		01	9	9	E	RAMY		
25	AFS	1258E	1454D	N08	W12	06	24.6		01	9	9	E	SVTO		
25	AFS	1343E	0154	N04	W06	06	25.1		02	6	7	E	HOLL		
25	AFS	1346E	1935D	N08	W13	06	24.6		02	8	9	E	HOLL		
25	DSF	1417U	1649U	S39	W43	06	22.1	3	13	0	0	E	HOLL		
25	DSD	1454E	1850D	S03	W65	06	20.8		03	9	9	E	HOLL		
25	DSD	1730E	2232	S15	W33	06	23.2		01	8	9	E	RAMY	7737	
25	ASR	1844E	2030D	S12	W90	06	19.0			9	9	E	HOLL		
26	AFS	0455E	1202D	S12	W38	06	23.3		02	7	6	E	SVTO	7737	
26	AFS	0457E	1003D	S13	W57	06	21.9		01	9	8	E	SVTO	7740	
26	AFS	0459E	1800	N05	W14	06	25.2		02	9	9	E	SVTO	7741	
26	AFS	0500E	1800	N20	W22	06	24.5		02	9	9	E	SVTO		
26	SSB	0505		105	W44	06	26.6			0	0	E	SVTO		
26	DSD	0905E	0915D	S14	W56	06	22.1	1					KHAR		A,Ws
26	BSD	0905E	1132D	S15	W55	06	22.2	1					KHAR		A,E,Ws
26	DSD	1020E	1058D	S14	W56	06	22.2	1					KHAR		A,E,Ws
26	DSD	1038E	1055	S18	W44	06	23.1	1					KHAR		A,Ws
26	BSL	1045E	1125D	S05	W90	06	19.7	1					KHAR		R,Ws
26	APR	1050E	1132D	S04	W90	06	19.7	1					KHAR		R,E,Ws
26	DSD	1105E	1132D	S14	W57	06	22.1	1					KHAR		A,E,Ws
26	ASR	1130E	1348D	S09	E90	07	3.2			9	9	E	SVTO		
26	ASR	1133E	1800	N07	W90	06	19.7			9	9	E	SVTO		
26	AFS	1259E	0150	N04	W19	06	25.1		01	9	9	E	HOLL	7741	
26	ASR	1341E	0150	S09	E90	07	3.3			9	9	E	HOLL		
26	ADF	1518E	1800	S14	W65	06	21.7	1	04	9	9	E	SVTO	7740	
26	AFS	1806E	1945D	S17	W71	06	21.3		01	9	9	E	RAMY	7736	
26	AFS	1810E	1945D	S12	W47	06	23.2		01	8	9	E	RAMY	7737	
26	AFS	1812E	1945D	N05	W22	06	25.1		02	9	9	E	RAMY	7741	
26	SSB	1818		435	W21	06	24.1			0	0	E	RAMY		
26	ASR	1836E	1945D	S08	E90	07	3.5			7	7	E	RAMY		
26	DSD	1852E	1945D	S13	W46	06	23.3		01	9	9	E	RAMY	7737	
26	DSD	1856E	1927D	S12	W46	06	23.3		02	9	9	E	HOLL	7737	
26	DSD	2248E	0150	S15	W74	06	21.3		02	9	9	E	HOLL	7736	
27	AFS	0510E	1252	N03	W28	06	25.1		02	9	9	E	SVTO	7741	
27	AFS	0512E	1252	S13	W52	06	23.3		03	9	9	E	SVTO	7737	
27	AFS	0555E	0904D	N07	W28	06	25.1		04	8	7	E	LEAR	7741	
27	APR	0700	0900	N10	E90	07	4.0						ATHN		
27	DSD	0755E	0810D	N03	W28	06	25.2	1					KHAR		A,Ws
27	BSL	0755E	0810D	S04	E90	07	4.0	1					KHAR		R,B,Ws
27	BSL	0755E	0810D	S05	E90	07	4.1	1					KHAR		R,B,Ws
27	DSD	0830E	1223D	S09	E79	07	3.3		02	9	9	E	SVTO		
27	ASR	0955E	1252	S10	E90	07	4.2			9	9	E	SVTO		
27	AFS	1106E	2243	S12	W56	06	23.2		01	8	9	E	RAMY	7737	
27	AFS	1108E	2243	N05	W31	06	25.1		01	9	9	E	RAMY	7741	
27	DSD	1130E	1207D	N03	W29	06	25.3	1					KHAR		A,Ws
27	DSD	1130E	1207D	S16	W70	06	22.2	1					KHAR		A,Ws
27	ASR	1212E	2243	S10	E86	07	4.0			9	9	E	RAMY	7742	
27	AFS	1250E	0140	N04	W32	06	25.1		01	9	9	E	HOLL	7741	
27	AFS	1259E	0150	N04	W19	06	26.1		01	9	9	E	HOLL	7741	
27	ASR	1639E	2255D	S10	E90	07	4.4			9	9	E	HOLL	7742	
28	APR	0500	1115	N11	E90	07	5.0						ATHN		
28	SSB	0644		437	W43	06	25.2			0	0	E	SVTO		
28	AFS	1143E	2138	N04	W47	06	25.0		01	8	9	E	RAMY	7741	
28	AFS	1211E	2138	S11	E73	07	4.0		01	9	9	E	RAMY	7743	
28	AFS	1524E	2138	S11	E61	07	3.2		01	9	9	E	RAMY	7742	
29	APR	0630	1100	N10	E90	07	6.0						ATHN		
29	AFS	1231E	2006	S09	E63	07	4.2		01	9	9	E	RAMY	7743	
29	AFS	1233E	2006	S09	E52	07	3.4		03	9	9	E	RAMY	7742	
29	AFS	1233E	2006	S12	E48	07	3.1		01	9	9	E	RAMY	7742	
29	EPL	1258E	1316D	N11	E90	07	6.3	03	33				VALA		
29	EPL	1258E	1316D	S20	W90	06	22.6	03	25				VALA		
29	EPL	1335E	1427	N10	E90	07	6.3	3		9	9	E	HOLL		
29	EPL	1340E	1433D	N10	E90	07	6.3	3		9	9	E	SVTO		

ACTIVE PROMINENCES AND FILAMENTS

JUNE 1994

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
29	DSF	2000	2032U	S17	W04	06	29.5	3	02	0	0	E	HOLL		
30	DSD	0456E	0713D	S13	E38	07	3.1		01	9	9	E	LEAR	7742	
30	DSD	0620E	0601D	S12	E36	07	3.0		02	9	9	E	SVTO	7742	
30	AFS	0620E	1719	S10	E36	07	3.0		02	9	9	E	SVTO	7742	
30	ADF	0725E	1719	S12	E41	07	3.4	1	05	9	9	E	SVTO	7742	
30	ADF	0740E	0844	S18	E43	07	3.6	1	08	9	9	E	LEAR	7742	
30	AFS	0810E	0844	S12	E34	07	2.9		02	9	9	E	LEAR	7742	
30	DSD	0901	1348D	S11	E35	07	3.0		01	9	9	E	SVTO	7742	Flare Associated
30	DSD	1037E	2240	S09	E34	07	3.0		03	9	9	E	RAMY	7742	
30	AFS	1037E	2240	S11	E34	07	3.0		01	9	9	E	RAMY	7742	
30	DSD	1349E	1432D	S11	E32	07	3.0		01	9	9	E	SVTO	7742	Flare Associated
30	DSD	1525E	2225D	S13	E51	07	4.5		03	9	9	E	HOLL	7743	
30	DSD	1600E	1642D	S10	E36	07	3.4		01	9	9	E	RAMY	7742	Flare Associated
30	AFS	1609E	2240	S10	E48	07	4.3		01	8	9	E	RAMY	7743	
30	AFS	2009E	2240	S16	W03	06	30.6		01	9	7	E	RAMY		
30	DSD	2131E	2204D	S09	E26	07	2.8		05	9	9	E	HOLL	7742	Flare Associated
30	DSD	2221E	2240	S08	E29	07	3.1		02	9	9	E	RAMY	7742	
30	DSD	2227E	0043	S08	E30	07	3.2		01	9	9	E	HOLL	7742	

ADF = Active Dark Filament
AFS = Arch Filament System
APR = Active Prominence
ASR = Active Surge Region
BSD = Bright Surge on Disk
BSL = Bright Surge on Limb
CAP = CAP Prominence (Tandberg-Hanssen)
CRN = Coronal Rain
DSD = Dark Surge on Disk
DSF = Disappearing Solar Filament
EPL = Eruptive Prominence on Limb
LPS = Loops
MDP = Mound Prominence
SDF/DSF = Sudden Disappearing Filament
SPY = Spray
SSB = Solar Sector Boundary

For SOLAR SECTOR BOUNDARY REPORTS, the latitude field contains the Carrington longitude of the point where a neutral line crosses the solar equator. The comments field may contain the Carrington longitude and central meridian distance of two more intersection points.

The EXTENT field for limb events is the radial extent above the limb in hundredths of solar radius. For disk events this field contains the heliographic extent in whole degrees.

The remark "Bright Emission 1/3" indicates that bright emission was observed 1/3 of time.
The remark "Normal Emission 1/3" indicates that normal emission was observed 1/3 of time.

Observation Type: C= Cinematographic, E= Electronic, P= Photographic, V= Visual.

ABST = Abastumani
ATHN = Athens
BUCA = Bucharest
CATA = Catania
HOLL = Holloman
KHAR = Kharkov
LEAR = Learmonth
PALE = Palehua
RAMY = Ramey
SVTO = San Vito
VORO = Voroshilov
VALA = Valasske Mezirici

WORLD DATA CENTER A
FOR
SOLAR-TERRESTRIAL PHYSICS

The ICSU Panel on WDCs has recommended that it would be appropriate courtesy to acknowledge in publications that data were obtained from the originating station or investigator through the intermediary of the WDCs. The following statement is suggested:

"Data used in this study were provided by WDC-A for Solar-Terrestrial Physics, NOAA E/GC2, 325 Broadway, Boulder Colorado 80303, USA."