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Data for September 1995

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Number 619

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CONTENTS

PART I (PROMPT REPORTS)	Page
DETAILED INDEX FOR 1995-1996	2
DATA FOR FEBRUARY 1996	3- 38
DATA FOR JANUARY 1996	39-116
PART II (COMPREHENSIVE REPORTS)	Page
DETAILED INDEX FOR 1995-1996	2
DATA FOR SEPTEMBER 1995	3-23
MISCELLANEOUS DATA	25-38
Solar Radio Spectral Observations Weissenau Jan-Feb and Sep-Dec 92	

DETAILED INDEX OF OBSERVATIONS PUBLISHED IN SOLAR-GEOPHYSICAL DATA

CODE	KIND OF OBSERVATION	JUL 95	AUG	SEP	OCT	NOV	DEC	JAN 96	FEB
A. SOLAR AND INTERPLANETARY									
A.1	Sunspot Drawings	613A 41	614A 39	615A 45	616A 41	617A 43	618A 52	619A 45	
A.2aa	International Provisional Sunspot Numbers	612A 25	613A 25	614A 24	615A 25	616A 21	617A 25	618A 27	619A 26
A.2c	American Sunspot Numbers	612A 25	613A 25	614A 24	615A 25	616A 21	617A 25	618A 27	619A 26
A.3a	Mt. Wilson Magnetograms	613A 41	614A 39	615A 45	616A 41	617A 43	618A 52	619A 45	
A.3b	Sunspot Mag Class and Regions	613A 88	614A 86	615A 91	616A 88	617A 89	618A100	619A 92	
A.3c	Kitt Peak Magnetograms	613A 41	614A 39	615A 45	616A 41	617A 43	618A 52	619A 45	
A.3d	Mean Solar Magnetic Field (Stanford)	612A 31	613A 31	614A 29	615A 33	616A 27	617A 29	618A 33	619A 31
A.3e	Stanford Magnetograms	613A 41	614A 39	615A 45	616A 41	617A 43	618A 52	619A 45	
A.4	H-alpha Filtergrams	613A 41	614A 39	615A 45	616A 41	617A 43	618A 52	619A 45	
A.6c	Stanford Solar Mag Field Synoptic Maps	613A 36	614A 34	615A 40	616A 36	617A 38	618A 42	619A 40	
A.6d	Kitt Peak Solar Mag Field Synoptic Maps	613A 40	614A 38	615A 44	616A 40	617A 42	618A 50	619A 44	
A.6f	Active Prominences and Filaments	617B 20	618B 18	619B 18					
A.6g	Sac Peak Coronal Line Synoptic Maps	613A 38	614A36	615A 42	616A 38	617A 40	618A 46	619A 42	
A.6h	Photometric Observations (San Fernando)	Jan 90-Dec 94 in 612B 36; Jan-Sep 95 in 615B 32							
A.7h	Coronal Line Emission (Sac Peak)	613A 41	614A 39	615A 45	616A 41	617A 43	618A 52	619A 45	
A.7j	Coronal Holes (Sonora, Mexico)		614A118	614A121	615A 35	616A 29	617A 32	618A 35	619A 33
A.8aa	2800 MHz- Solar Flux (Penticton)	612A 25	613A 25	614A 24	615A 25	616A 21	617A 25	618A 27	619A 26
A.8ac	2800 MHz- Adj. Solar Flux (Penticton)	612A 25	613A 25	614A 24	615A 25	616A 21	617A 25	618A 27	619A 26
A.8g	Adjusted Daily Solar Fluxes (Learmonth)	612A 25	613A 25	614A 24	615A 25	616A 21	617A 25	618A 27	619A 26
A.10g	Nancay Radioheliograph - 164 MHz	613A 98	614A 97	615A103	616A108	617A 99	618A108		
A.11g	Solar X-ray GOES (graphs/event table)	617B 12	618B 10	619B 11					
A.11k	Solar UV NOAA-9	May 86-Dec 88 in 566B 84							
A.11l	Solar UV NIMBUS7	Nov 78-Oct 84 in 542B 82							
A.11m	Solar UV SOLSTICE	Oct 91-Sep 94 in 607B 46							
A.11n	Solar YOHKOH Soft X-ray Images	613A 72	614A 70	615A 75	616A 72	617A 73	618A 83	619A 76	
A.12g	Solar Particles (GOES-7)	612A 4	613A 4	614A 4	615A 4	616A 4	617A 4	618A 4	619A 4
A.12h	Interplanetary Particles (SAMPEX)	Jan-Dec 93 in 606B 34; Jan-Dec 94 in 618B 30							
A.13e	Solar Plasma (IMP-8)	617B 27	618B 26	619B 21					
A.16c	ERBS, NOAA-9 & -10 Solar Irradiance	1989 in 551B 78; ERBS Oct 84-Dec 94 in 607B 32							
A.16d	UARS Solar Irradiance	1991-1993 in 608B 40							
A.17c	Inferred Interplanetary Mag Field	1984-1988 data in 542A168; 1989-Jan 94 in 611A118							
A.17	IMP-8 Interplanetary Mag Field	617B 28	618B 27	619B 22					
C. SOLAR FLARE-ASSOCIATED EVENTS									
C.1a	H-alpha Flares	612A 28	613A 28	614A 27	615A 28	616A 24	617A 28	618A 30	619A 29
C.1ba	H-alpha Flare Groups	617B 4	618B 4	619B 4					
C.1d	Flare Patrol Observations	617B 7	618B 6	619B 7					
C.3	Radio Bursts Fixed Frequency	617B 9	618B 8	619B 9					
C.3	Radio Bursts Fixed Frequency Selected	612A 29	613A 30	614A 28	615A 31	616A 25			
C.4	Radio Bursts Spectral	613A 93	614A 93	615A 95	616A 96	617A 94	618A104	619A 96	
C.6	Sudden Ionospheric Disturbances	613A 92	614A 91	615A 94	616A 94	617A 93	618A103	619A 95	
D. GEOMAGNETIC EVENTS									
D.1a	Geomagnetic Indices	613A107	614A106	615A112	616A117	617A108	618A114	619A108	
D.1ba	27-day Chart of Kp Indices	613A109	614A108	615A114	616A119	617A110	618A116	619A110	
D.1cb	Monthly Mean aa Indices	613A110	614A109	615A115	616A120	617A111	618A117	619A111	
D.1d	Principal Magnetic Storms	613A114	614A112	615A119	616A123	617A115	618A122	619A115	
D.1f	Sudden Commencements/Flare Effects	613A115	614A113	615A120	616A124	617A116	618A123	619A116	
D.1g	Equatorial Indices Dst	613A113	615A122	615A118	618A126	618A127	618A121		
D.1i	Polar Cap (PC) Index	613A112	614A111	615A117	616A122	617A114	618A120	619A114	
F. COSMIC RAYS									
F.1a	Cosmic Ray Neutron Cts (Deep River)	613A 99	614A 98	615A104	616A126				
F.1b	Cosmic Ray Neutron Cts (Climax)	613A 99	614A 98	615A104	616A109	617A100	618A109	619A100	
F.1h	Cosmic Ray Neutron Cts (Thule)	613A 99	614A 98	615A104	616A109	617A100	618A109	619A100	
F.1i	Cosmic Ray Neutron Cts (Kiel)								
F.1j	Cosmic Ray Neutron Cts (Tokyo)								
F.1n	Cosmic Ray Neutron Cts (Beijing)	613A 99	614A 98	615A104	616A109	617A100	618A109	619A100	
F.1b	Cosmic Ray Neutron Cts (Haleakala)	613A 99	614A 98	615A104	616A109	617A100	618A109	619A100	
F.1o	Cosmic Ray Neutron Cts (Moscow)	613A 99	614A 98	615A104	616A109	617A100	618A109	619A100	
F.1p	Cosmic Ray Neutron Cts (Calgary)	613A 99	614A 98	615A104	616A109	617A100	618A109	619A100	
H. MISCELLANEOUS									
H.60	IUWDS Alert Periods	612A 20	613A 20	614A 19	615A 20	617A118	617A 20	618A 20	619A 19

The entry "613A 41" under Jul 1995, for example, means that the sunspot drawings for Jul 1995 appear in SOLAR-GEOPHYSICAL DATA No. 613, Part I, and that they begin on page 41. "A" denotes Part I and "B", Part II. Blanks indicate data not yet received and dashes mark unavailable data.

CONTENTS

Comprehensive Reports

Number 619 Part II

DATA FOR SEPTEMBER 1995

Page

SOLAR FLARES	
H-alpha Solar Flare Groups	4- 6
Intervals of No Flare Patrol Observation	7
Number of Solar Flares January 1965-present	8
SOLAR RADIO BURSTS AT FIXED FREQUENCIES	9-10
SOLAR X-RAY RADIATION FROM GOES SATELLITE Graphs	11-15
Preliminary Event List	16
Preliminary Daily Average Background	17
ACTIVE PROMINENCES AND FILAMENTS	18-20
SOLAR IRRADIANCE (Unavailable at time of publication.)	
IMP-8 SOLAR WIND Plot	21
IMP-8 INTERPLANETARY MAGNETIC FIELD Plot	22-23

SEPTEMBER 1995

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		28	1011	1535	No Flare	Patrol												
		28	1549	1742	No Flare	Patrol												
		28	2146	2202	No Flare	Patrol												
		29	0145	0359	No Flare	Patrol												
		29	1606	1816	No Flare	Patrol												
		29	2024	2109	No Flare	Patrol												
		29	2131	2200	No Flare	Patrol												
		30	0142	0150	No Flare	Patrol												
		30	0158	0308	No Flare	Patrol												
		30	0322	0325	No Flare	Patrol												
		30	0359	0410	No Flare	Patrol												
		30	0449	0506	No Flare	Patrol												

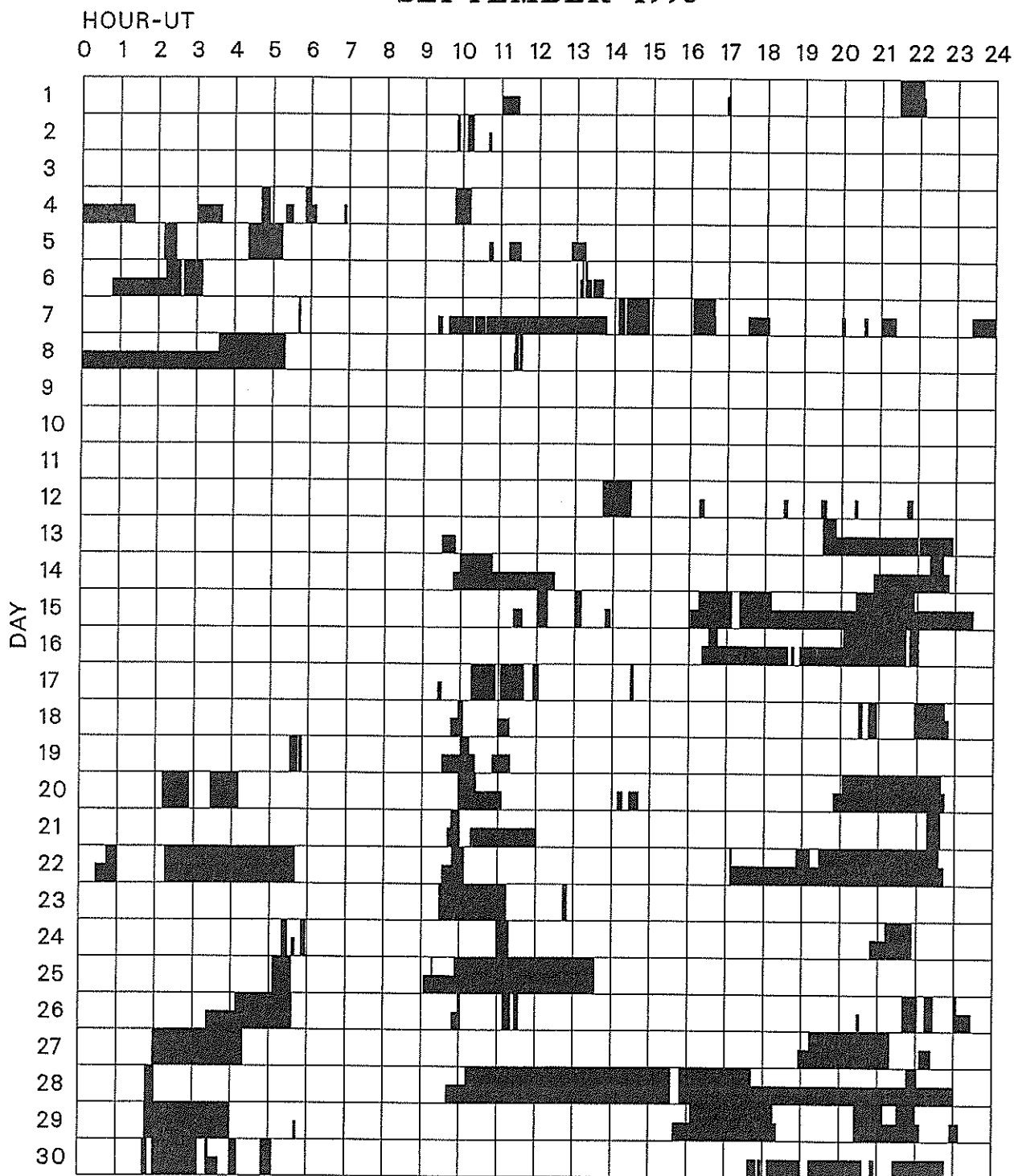
"Remarks"

- | | |
|---|---|
| <p>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.</p> | <p>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.</p> |
|---|---|

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

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

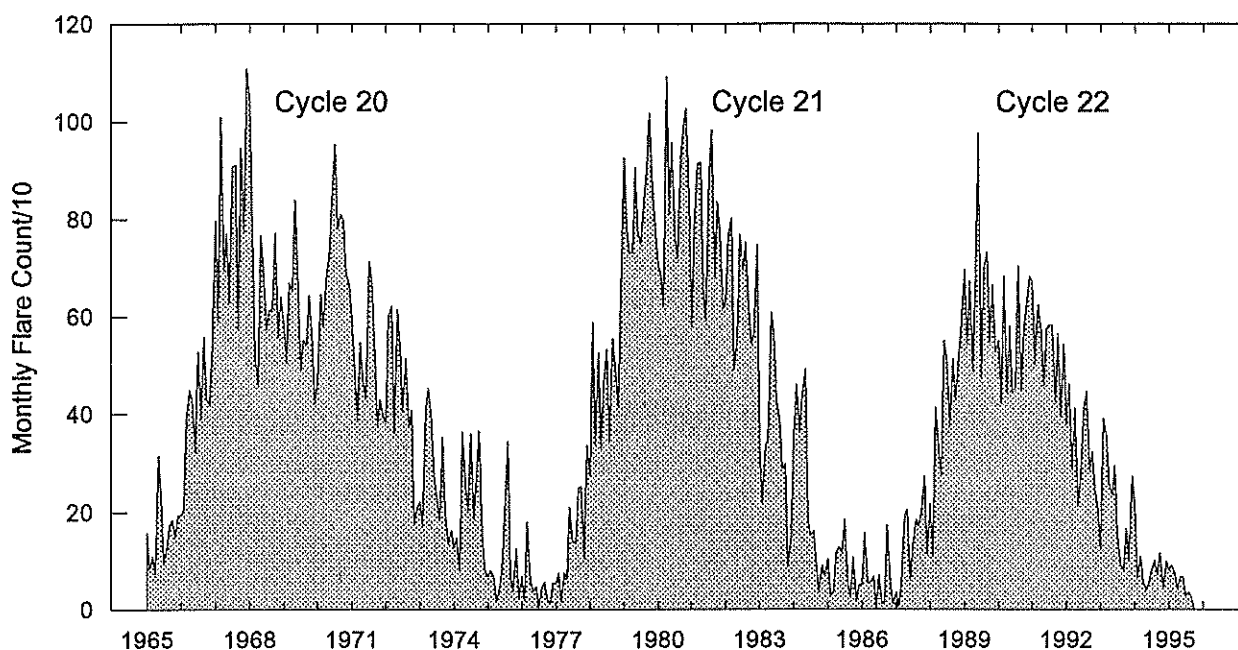
SEPTEMBER 1995



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.

- | | | | |
|-----------|-------------|-----------|----------|
| Bucharest | Istanbul | Learmonth | Palehua |
| Holloman | Kanzelhoehe | Meudon | Ramey |
| Hurbanovo | Kharkov | Mitaka | San Vito |
| | | | Urumqi |

Monthly Counts of Grouped Solar Flares Jan 1965 - Sep 1995



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	81	101	72	117	45	99	1066
1995	82	95	77	42	69	66	29	37	22				519

The term 'grouped' means observations of the same event by different sites were lumped together and counted as one.

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

9
Sep 95

SEPTEMBER 1995

Day	Freq Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
						Peak (10 -22 W/m 2 Hz)	Mean		
01	204 IZMI	41 F	0944.0	0944.2	1.0	120.0			
02	33 UPIC	4 S/F	0601.5	0601.8	0.5				
	33 UPIC	4 S/F	0649.5	0649.7	0.4				
	2695 SVTO	8 S	0743.0	0743.0	1.0	50.0			QL=4 ST=2 TYP=3
	33 UPIC	2 S/F	0831.5	0831.6	0.3				
	33 UPIC	4 S/F	1601.5	1601.7	0.4				
03	33 UPIC	1 S	0601.2	0601.4	0.4				
	33 UPIC	1 S	0653.4	0653.5	0.3				
	33 UPIC	1 S	1231.6	1231.8	0.4				
	33 UPIC	1 S	1531.7	1531.8	0.3				
04	33 UPIC	3 S	0548.0	0548.2	0.4				
	3000 IZMI	5 S	0602.0	0602.2	0.5	68.0	34.0		
	33 UPIC	3 S	1231.7	1231.8	0.2				
	33 UPIC	3 S	1540.9	1541.1	0.4				
05	33 UPIC	42 SER	0837.8	0901.6	24.0				
	33 UPIC	3 S	1031.5	1031.7	0.5				
	33 UPIC	3 S	1108.5	1108.7	0.4				
	33 UPIC	3 S	1201.5	1201.6	0.4				
06	33 UPIC	3 S	0549.5	0549.6	0.3				
	33 UPIC	3 S	0602.5	0602.6	0.3				
	204 IZMI	42 SER	0606.0	0625.3	70.0	20.0			
	204 IZMI	42 SER	1005.5	1005.6	22.0	16.0			
	204 IZMI	5 S	1110.5	1110.7	1.0	15.0			
07	204 IZMI	8 S	0910.8	0910.9	0.3	37.0	30.0		
	204 IZMI	7 C	1050.0	1050.5	1.0	25.0			
10	204 IZMI	41 F	0641.5	0641.6	20.0	104.0			
	204 IZMI	41 F	0641.5	0641.6	20.0	104.0			
11	2840 PEKG	5 S	0610.0	0615.0	20.0	11.4			
	204 IZMI	41 F	0919.8	0920.2	4.0	25.0			
14	204 IZMI	7 C	1010.0	1010.0	1.0	22.0			
	204 IZMI	7 C	1057.7	1058.0	15.0	17.0			
	204 IZMI	7 C	1114.1	1114.7	1.0	20.0			
16	610 PALE	8 S	2055.0	2055.0	1.0	53.0			QL=4 ST=2 TYP=3
	610 SGMR	8 S	2055.0	2055.0	1.0	54.0			QL=4 ST=2 TYP=3
18	204 IZMI	41 F	0910.0	0910.2	0.5	58.0			
	204 IZMI	42 SER	0953.0	1048.0	55.0	35.0			
	3000 IZMI	23 GRF	1151.0	1154.0	30.0	17.0			
	2850 CRIM	1 S	1152.8	1153.8	4.1	8.4	2.8		
19	2840 PEKG	5 S	0348.0	0350.0	4.0	11.6			
	610 SVTO	8 S	0729.0	0729.0	1.0	25.0			QL=2 ST=2 TYP=3
	410 SVTO	8 S	0729.0	0729.0	1.0	48.0			QL=2 ST=2 TYP=3
	245 SVTO	8 S	0729.0	0729.0	1.0	77.0			QL=2 ST=3 TYP=3
	204 IZMI	42 SER	1126.8	1126.9	18.0	35.0			
20	200 HIRA	8 S	0437.8	0438.4	0.6	28.0			O
	2800 HIRA	1 S	0437.8	0438.4	1.0	13.0	7.0		O
	2840 PEKG	3 S	0439.0	0444.1	10.0	14.2			
	200 HIRA	42 SER	0452.5	0455.3	11.0	30.0			WR
	3000 IZMI	7 C	0751.0	0752.0	5.0	4.0	2.0		
	2850 CRIM	1 S	0751.0	0751.7	2.0	7.5	2.0		
	3000 IZMI	7 C	1050.0	1053.0	10.0	9.0	5.0		
	2850 CRIM	3 S	1051.6	1052.9	4.4	15.2	5.0		
21	204 IZMI	41 F	1010.5	1011.4	1.5	11.0			
	280 CUBA	41 F	1607.8	1610.8	7.2	9.0			
	235 CUBA	41 F	1607.8	1610.8	11.2	14.0			
	235 CUBA	41 F	1720.0	1721.0	2.0	30.0			
	280 CUBA	41 F	1720.0	1721.0	2.0	9.0			

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

SEPTEMBER 1995

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
21	280	CUBA	41 F	1921.0	1923.0	2.0	11.0			
			41 F	1921.0	1923.0	2.0	49.0			
	200	HIRA	42 SER	2346.9	2350.6	6.0	16.0		0	
	245	LEAR	8 S	2347.0	2347.0	U	83.0		QL=4 ST=2 TYP=3	
			8 S	2347.0	2347.0	U	76.0		QL=4 ST=2 TYP=3	
22	245	PALE	8 S	0218.0	0218.0	1.0	61.0		QL=4 ST=2 TYP=3	
			8 S	0218.0	0219.0	1.0	33.0		QL=4 ST=2 TYP=3	
	200	HIRA	42 SER	0218.4	0219.2	4.0	23.0		0	
	2800	HIRA	8 S	0218.6	0218.6	0.1	5.0		WR	
	200	HIRA	8 S	0526.6	0527.0	0.5	5.0		0	
	200	HIRA	41 F	0624.3	0627.5	11.0	67.0		WR	
	204	IZMI	42 SER	0625.0	0627.5	12.0	160.0			
			8 S	0627.0	0627.0	U	81.0		QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0627.0	0627.0	U	82.0		QL=2 ST=3 TYP=3	
	245	LEAR	8 S	0631.0	0631.0	U	91.0		QL=4 ST=2 TYP=3	
	245	SVTO	4 S/F	0631.0	0631.0	4.0	90.0		QL=2 ST=3 TYP=5	
	245	LEAR	8 S	0634.0	0634.0	U	69.0		QL=4 ST=2 TYP=3	
	200	HIRA	46 C	0748.0	0748.1	1.5	16.0	9.0	WR	
	204	IZMI	42 SER	1005.5	1018.0	13.0	16.0			
	204	IZMI	42 SER	1135.0	1136.0	1.5	27.0			
23	200	HIRA	8 S	0119.0	0119.0	0.5	49.0		WL	
	200	HIRA	41 F	0317.6	0317.6	1.0	10.0		0	
	204	IZMI	42 SER	1050.0	1059.5	20.0	27.0			
25	200	HIRA	41 F	0354.3	0358.9	19.0	11.0		WR	
26	204	IZMI	8 S	0746.5	0746.6	0.2	51.0			
			7 C	1018.5	1018.7	0.6	17.0			
27	204	IZMI	42 SER	0903.5	0904.0	3.0	63.0			
30	204	IZMI	8 S	1023.5	1023.6	0.3	57.0			

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	

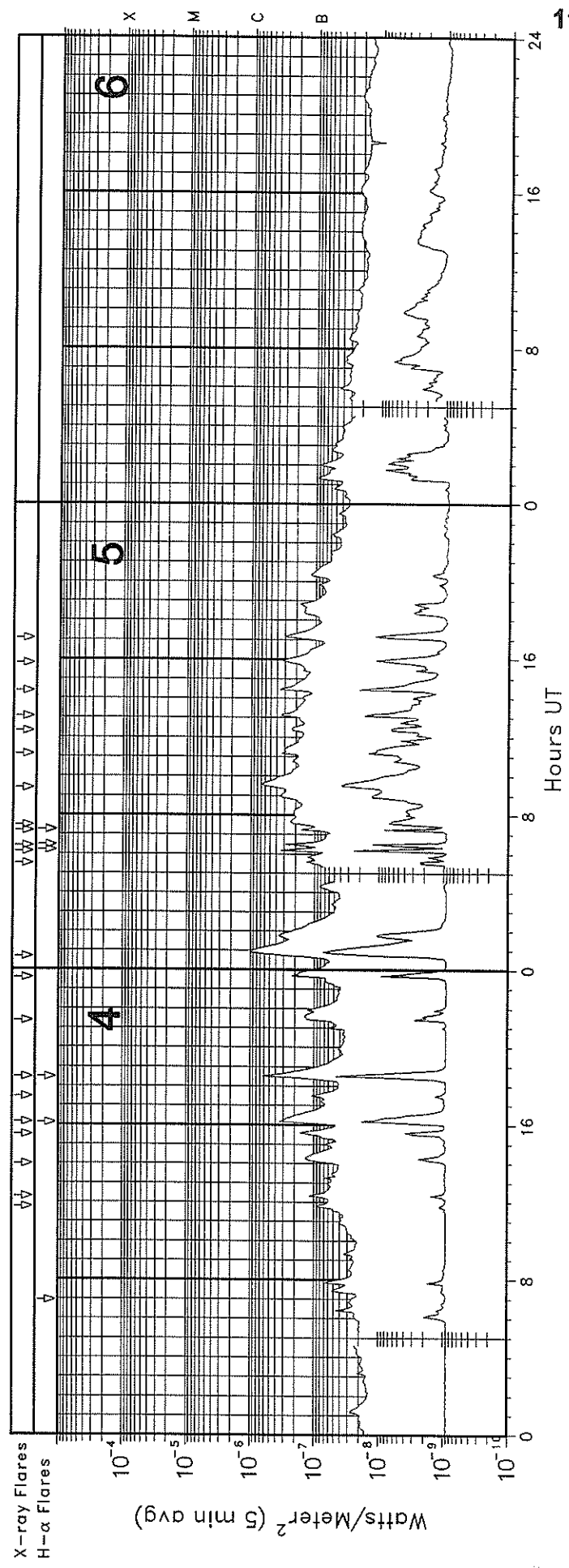
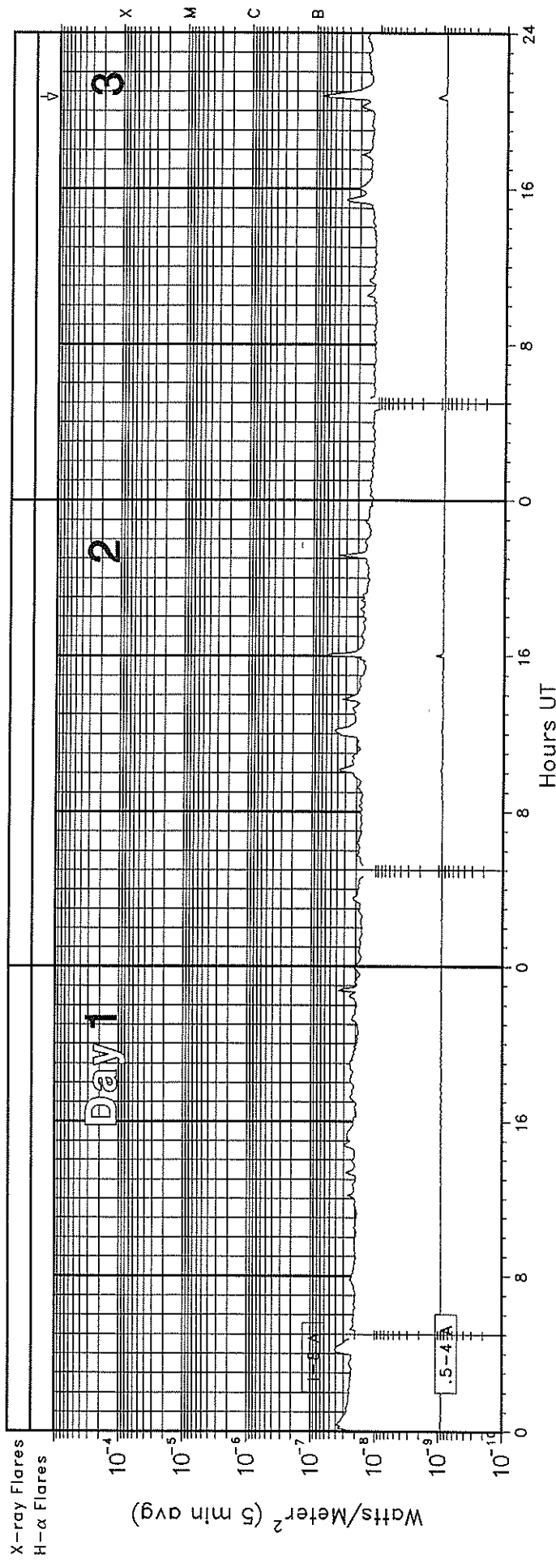
Explanation of Type Code:

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 Precursor	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	4O Rise Only	16A Fall A	27AF Rise and Fall AF	
21A Simple 3A GRF	4OF Rise Only F	26O 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

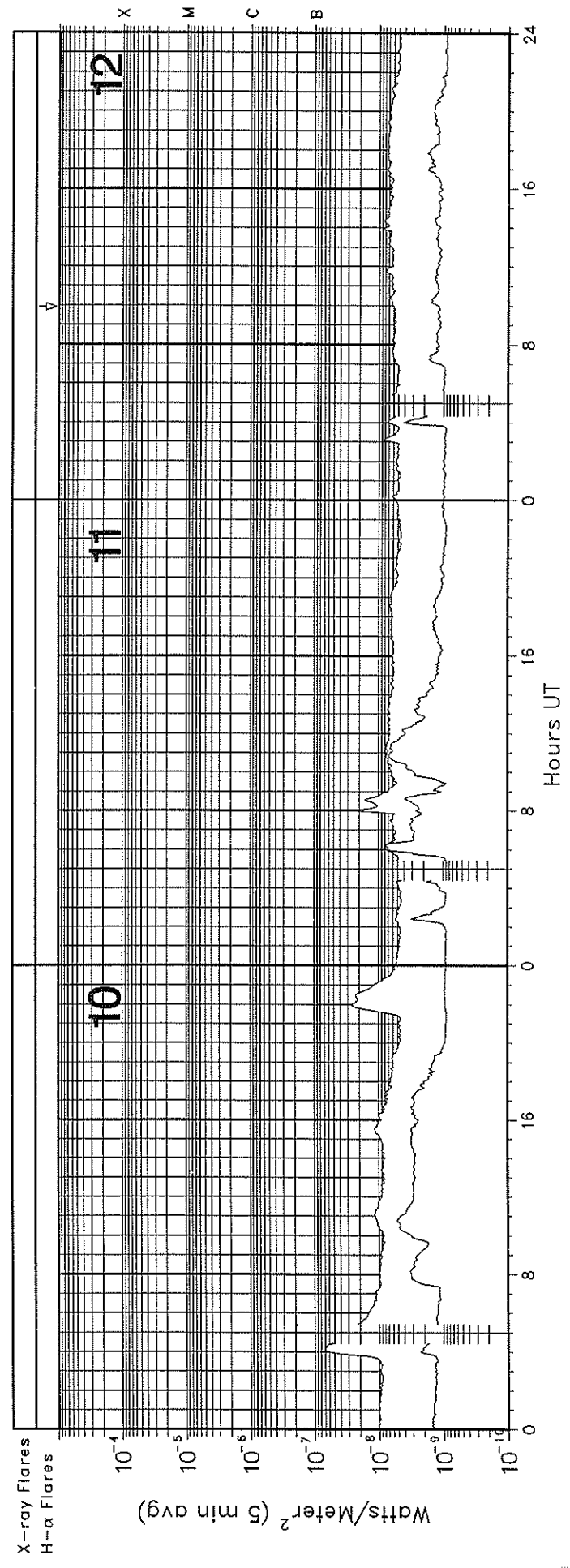
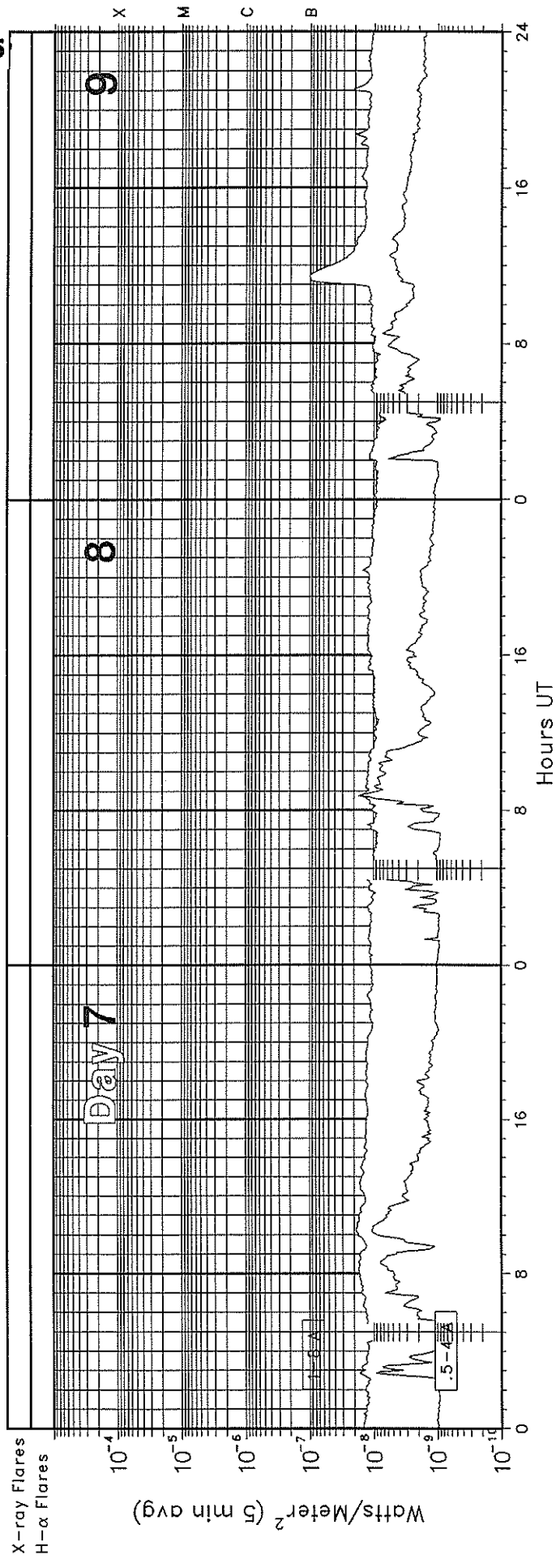
September 1995



GOES-7 X-RAY DETECTOR

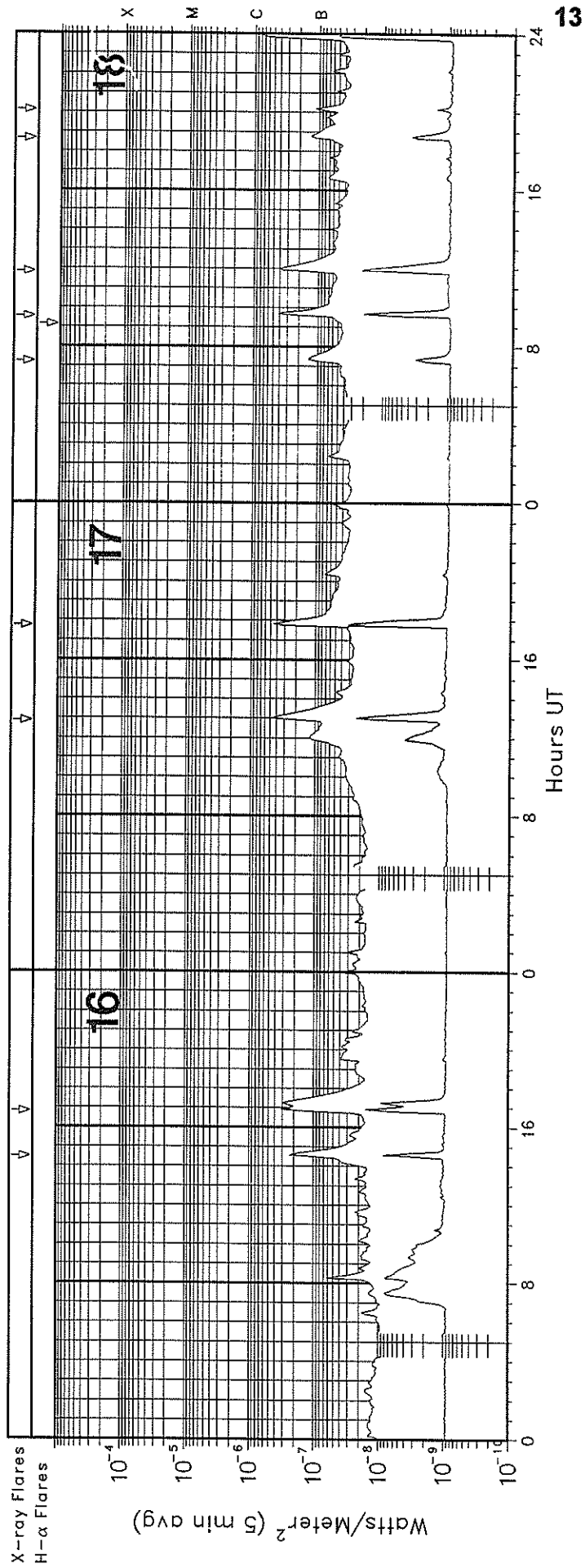
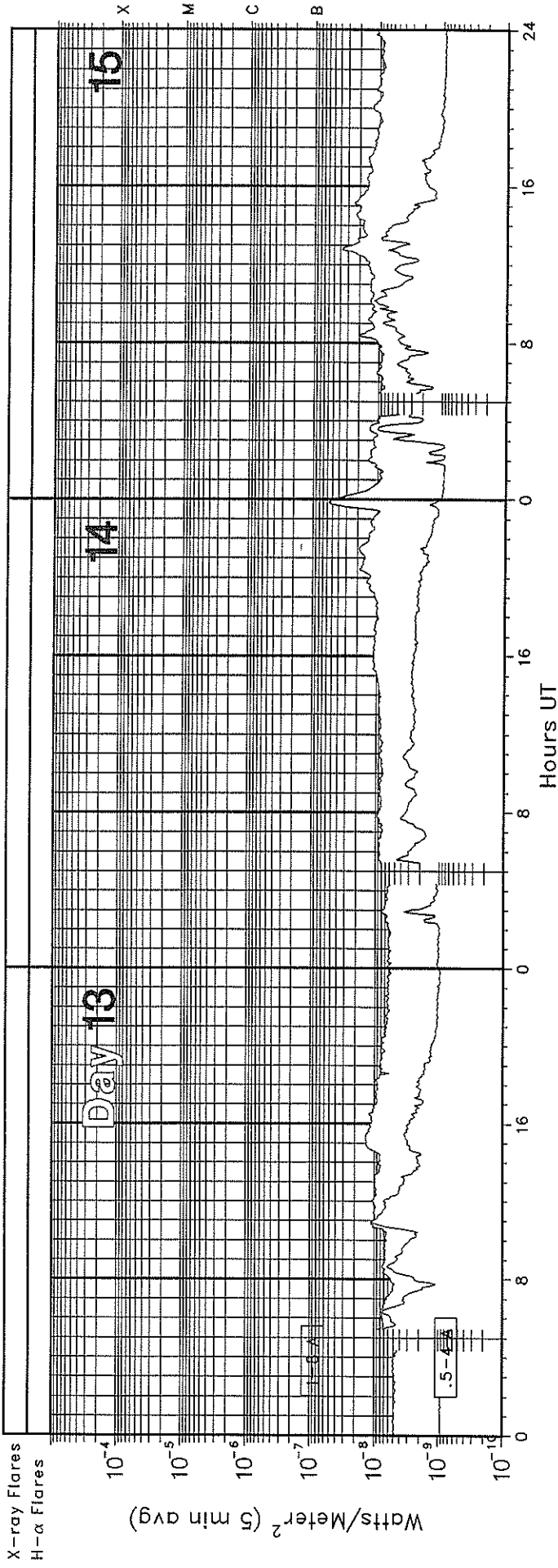
September 1995

12
Sep 95



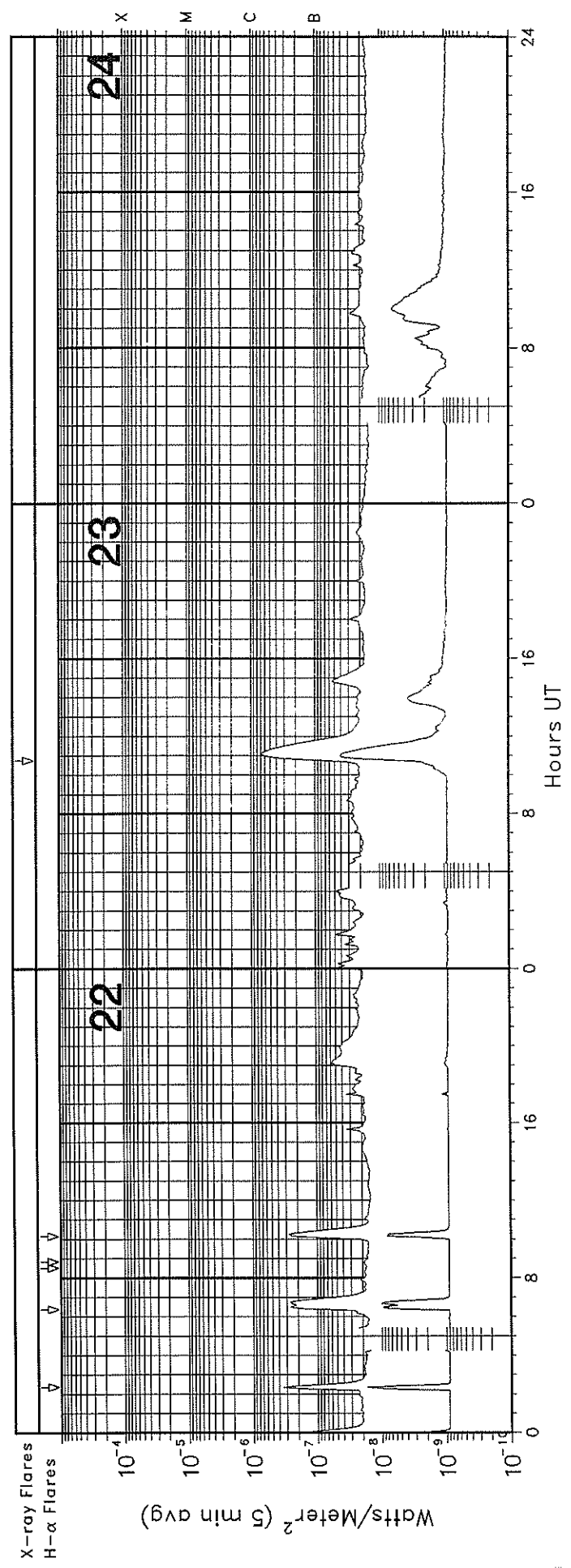
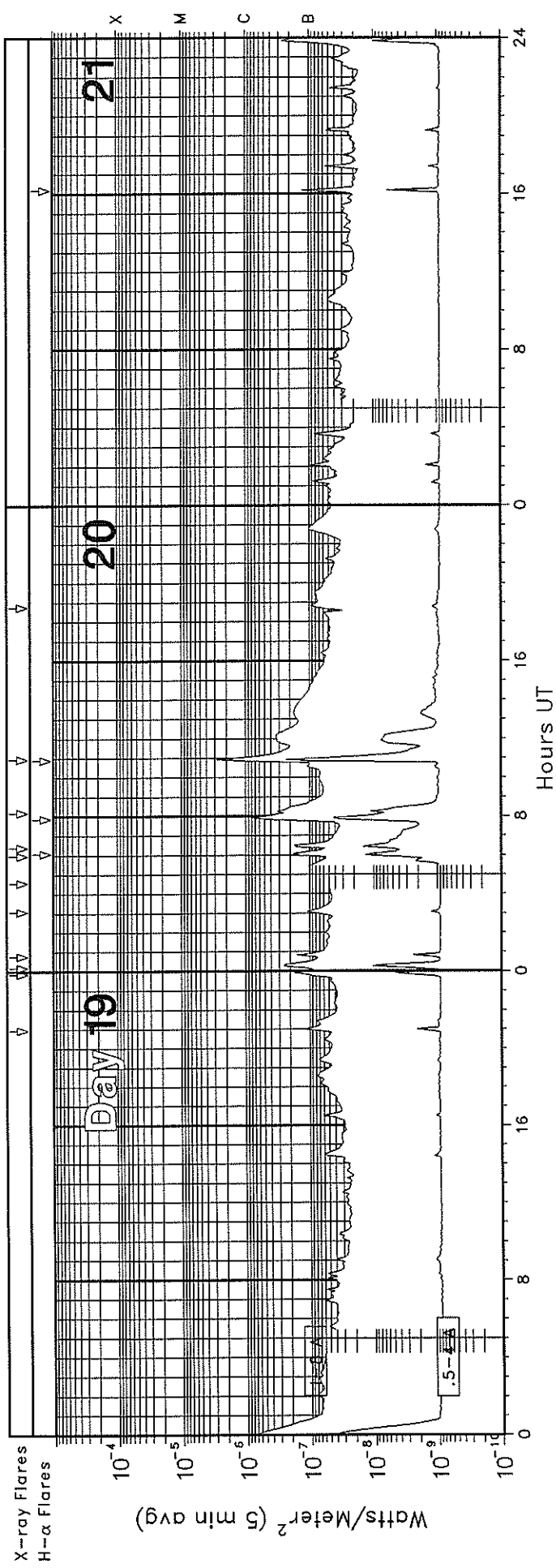
GOES-7 X-RAY DETECTOR

September 1995



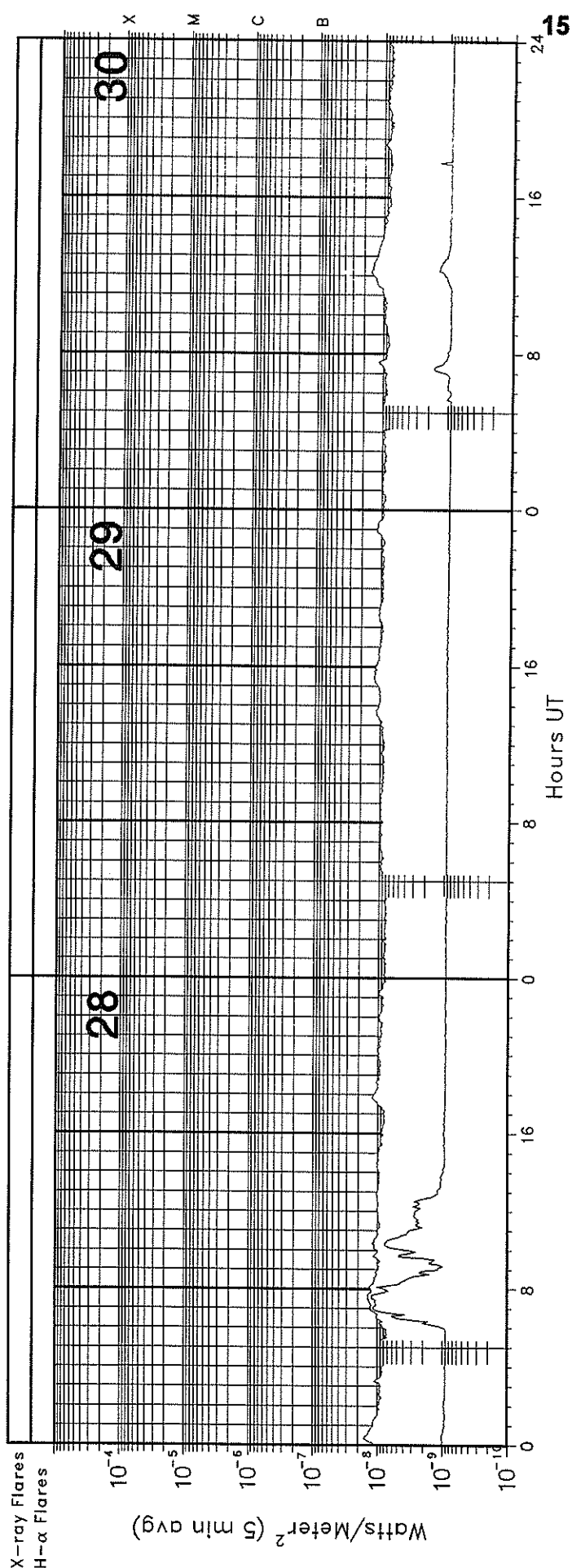
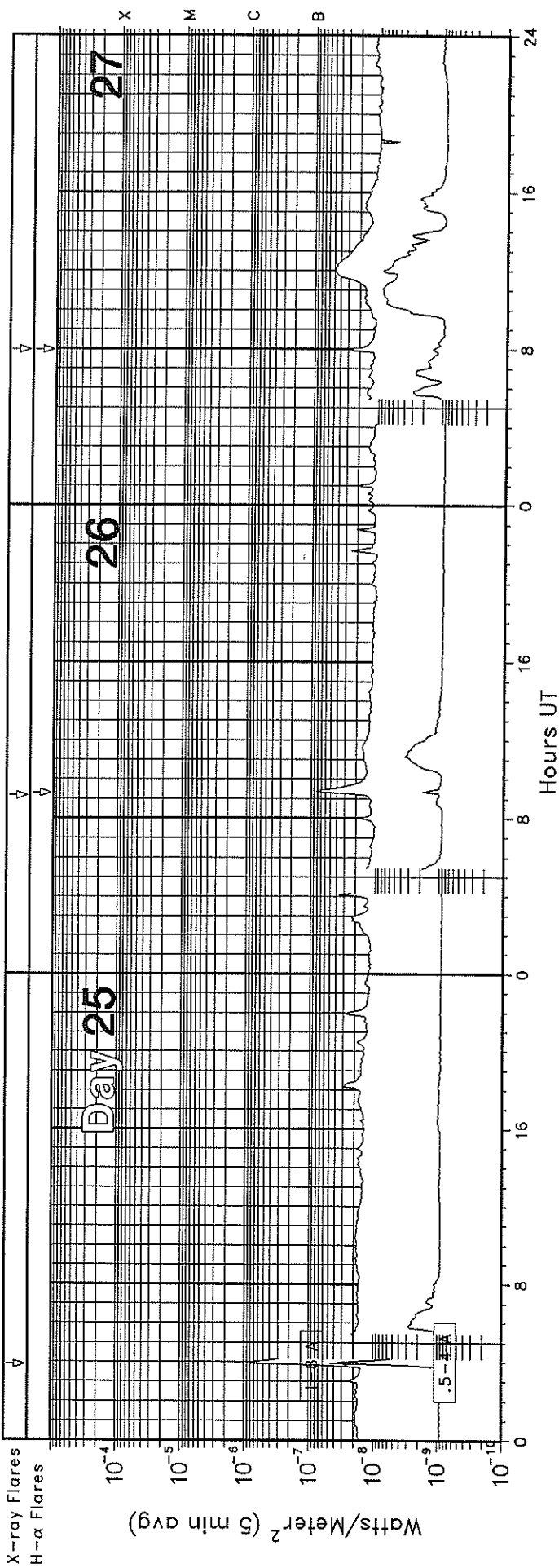
GOES-7 X-RAY DETECTOR

September 1995



GOES-7 X-RAY DETECTOR

September 1995



GOES SOLAR X-RAY FLARES
Preliminary Listing

September 1995

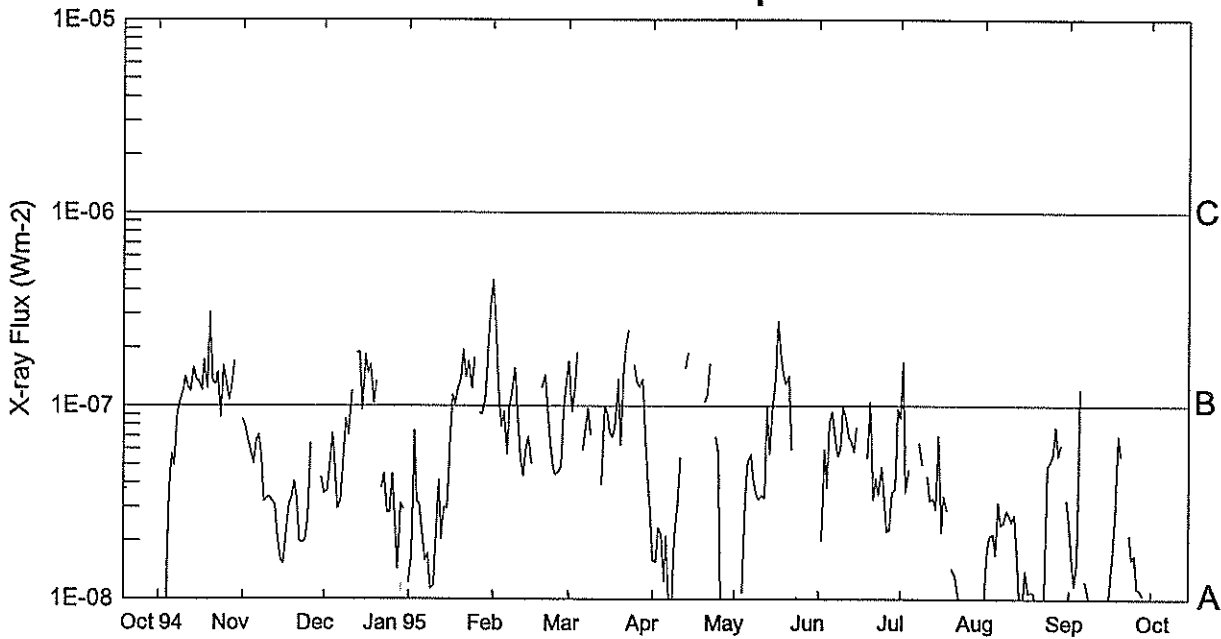
Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Imp Opt	Xray	NOAA/USAF Region
04	1145	1148	1154					B1.0
04	1217	1221	1224					B1.2
04	1359	1418	1434					B1.4
04	1530	1535	1539					B1.8
04	1609	1613	1617	N05	W81	SF		B4.3 7904
04	1727	1730	1737					B1.1
04	1829	1829	1847	N06	W79	SF		B7.4 7904
04	2122	2139	2151					B1.4
04	2336	2341	2356					B2.5
05	0041	0058	0114					C1.0
05	0531	0535	0538					B1.6
05	0608	0612	0615					B4.7
05	0625	0631	0633					B4.0
05	0712	0718	0720					B2.5
05	0730	0742	0825					B2.4
05	0924	0934	0948					B6.9
05	1108	1112	1116					B3.8
05	1219	1222	1233					B2.7
05	1304	1309	1313					B4.3
05	1423	1428	1434					B4.3
05	1547	1558	1603					B3.6
05	1704	1712	1720					B3.0
16	1430	1437	1443					B2.4
16	1650	1656	1726					B3.4
17	1252	1302	1315					B4.6
17	1744	1749	1758					B5.6

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Imp Opt	Xray	NOAA/USAF Region
18	0714	0725	0740					B1.4
18	0933	0943	0950					B4.3
18	1150	1159	1212					B4.1
18	1838	1847	1902					B1.3
18	2007	2012	2016					B1.1
19	2056	2101	2107					B1.3
19	2351	2355	0000					B1.9
20	0011	0020	0026					B2.6
20	0046	0050	0054					B1.8
20	0304	0308	0312					B1.2
20	0434	0504	0515					B3.9
20	0558	0603	0610					B2.1
20	0623	0629	0633					B2.3
20	0812	0815	0820					B3.4
20	1056U	1056	1131	N07	E65	SN		C3.2 7907
20	1846	1849	1857					B1.0
23	1045	1108	1127					B7.0
25	0351	0358	0406					B9.3
26	0909	0924	0944					A9.7
27	0758	0759	0804	S03	E05	SF		A4.3 7909

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 SEC "Preliminary Report and Forecast of Solar Geophysical Data" weekly report.

Preliminary GOES Satellite Daily X-Ray Background Oct 94 - Sep 95

17
Sep 95



Day	Oct 94	Nov	Dec	Jan 95	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	A8.5	A3.5	A1.2	B4.4	B1.7	A1.5	<A1.0	---	A8.6	A1.5	A2.4
2	<A1.0	A7.8	A3.6	A1.6	B2.6	A9.3	A1.5	<A1.0	A1.9	B1.6	A2.9	A1.6
3	<A1.0	A6.7	A5.0	A7.4	B1.1	B1.1	A2.3	---	A5.9	A3.6	A2.7	A1.1
4	<A1.0	A5.9	A7.2	A3.2	A7.8	B1.9	A2.1	A1.0	A3.8	A4.7	A2.4	A1.5
5	A3.6	A5.0	A4.7	A3.1	A9.3	---	B1.2	A3.2	A8.2	---	A3.4	B1.2
6	A5.7	A6.6	A2.9	A2.2	A5.6	A5.9	B2.1	A5.2	A9.3	---	A3.4	--
7	A4.9	A7.1	A3.3	A1.5	A9.7	A7.6	<A1.0	A5.6	A6.7	---	A1.9	A1.2
8	A8.9	A5.4	A5.5	A1.7	B1.2	A9.7	<A1.0	A4.1	A5.5	A6.4	A1.8	A1.0
9	B1.0	A3.2	A8.5	A1.1	B1.5	A7.1	A2.0	A3.5	A5.9	A4.9	A2.2	<A1.0
10	B1.1	A3.3	A7.0	A1.1	A9.4	---	A3.1	A3.2	A9.8	---	A3.7	--
11	B1.4	A3.3	B1.2	A1.8	A5.3	A8.5	A5.4	A3.4	A8.8	A4.3	A3.0	--
12	B1.2	A3.2	---	A4.1	A4.3	---	---	A3.3	A6.9	A3.2	A6.9	<A1.0
13	B1.1	A3.0	B1.8	A2.0	A6.0	A3.9	B1.5	A9.9	A6.5	A3.3	B1.3	<A1.0
14	B1.5	A2.0	B1.9	A3.0	A6.9	A9.9	B1.9	A5.6	A5.8	A2.9	A8.6	<A1.0
15	B1.3	A1.5	A9.5	A2.9	A5.0	A9.1	---	A9.3	A7.8	A7.0	A7.1	<A1.0
16	B1.3	A1.5	B1.8	A5.1	---	A7.3	---	B1.3	---	A2.2	A4.8	A1.0
17	B1.2	A2.1	B1.4	B1.1	A5.5	A6.9	---	B2.7	---	A3.4	A4.0	A1.7
18	B1.7	A3.1	B1.6	B1.0	---	A7.7	---	B1.8	---	A2.8	A4.9	A2.9
19	B1.2	A3.3	B1.0	B1.2	B1.2	B1.3	---	B1.4	A5.4	---	A5.6	A7.0
20	B3.0	A4.0	B1.3	B1.3	B1.4	A6.2	B1.0	B1.2	B1.0	A1.4	A3.0	A5.4
21	B1.3	A3.3	---	B1.9	A9.5	B1.4	B1.1	B1.4	A3.2	A1.3	A2.0	--
22	B1.2	A1.9	A3.7	B1.4	A6.5	B2.0	B1.6	A5.9	A4.2	A1.1	A1.0	--
23	B1.5	A1.9	A4.4	B1.7	A5.0	B2.4	---	---	A3.4	<A1.0	<A1.0	A2.1
24	A8.7	A2.0	A2.8	B1.2	A4.4	---	A6.9	A1.0	A4.8	<A1.0	A1.1	A1.5
25	B1.6	A2.6	A2.8	B1.7	A4.5	B1.6	A5.6	<A1.0	A3.6	<A1.0	<A1.0	A1.6
26	B1.3	A6.4	A4.4	---	A4.8	B1.3	<A1.0	<A1.0	A2.2	<A1.0	<A1.0	A1.1
27	B1.0	---	A2.6	A9.2	A9.4	B1.2	<A1.0	---	A2.2	<A1.0	<A1.0	A1.1
28	B1.2	---	A1.4	A9.1	B1.3	B1.3	<A1.0	<A1.0	A3.5	<A1.0	A1.2	A1.0
29	B1.7	---	A3.1	B1.0	---	A7.4	<A1.0	<A1.0	A3.7	<A1.0	B1.7	--
30	---	A4.2	A2.9	B1.9	---	A4.3	<A1.0	<A1.0	A9.6	---	B4.3	--
31	---	---	---	B3.3	---	A2.8	---	<A1.0	---	<A1.0	B1.9	--

NOTE: Background levels below B1.0 are unreliable.

ACTIVE PROMINENCES AND FILAMENTS

SEPTEMBER 1995

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
01	DSF	0114U	1258U	N34	W11	08 31.2	2	11	0	0	E	HOLL		
01	AFS	0453E	1240D	S08	W06	08 31.7		01	9	9	E	SVTO		
01	ADF	0455E	1240D	N04	W02	09 1.0	1	06	9	8	E	SVTO	7903	
01	DSD	0459E	1240D	S03	W04	08 31.9		02	9	9	E	SVTO	7903	
01	ADF	0539E	0940	N34	W10	08 31.4	1	13	5	7	E	LEAR		
01	DSF	0611U	1005U	S13	E43	09 4.5	2	22	0	0	E	SVTO		
01	DSD	1045E	1330D	N00	W06	09 1.0		01	9	9	E	RAMY	7903	
01	DSD	1622	1803D	N05	W11	08 31.8		02	5	9	E	HOLL	7903	
02	ADF	0900E	1230	S04	W50	08 29.7	1	10	7	7	E	SVTO		
02	AFS	0938E	1230	N03	W21	08 31.8		01	9	9	E	SVTO	7903	
02	DSD	1240E	1406D	N04	W23	08 31.8		01	9	9	E	RAMY	7903	
02	DSD	1615E	1634D	N03	W24	08 31.9		01	9	9	E	RAMY	7903	
03	AFS	0601E	1628	S01	W33	08 31.8		01	9	9	E	SVTO	7903	
03	AFS	0605E	1628	S03	W32	08 31.9		01	7	7	E	SVTO	7903	
03	ADF	0609E	1628	N03	W03	09 3.0	1	04	9	9	E	SVTO		
03	DSD	0915U	0940U	N03	W36	08 31.7	1		9	9	V	KHAR		
03	DSD	1240U	1258	N01	W38	08 31.6	1	02		9	V	KHAR		
04	ASR	0240E	0407	N08	W90	08 28.5			9	9	E	PALE	7904	
04	DSD	0518E	0925D	N04	W70	08 30.1		01	9	9	E	SVTO	7904	
04	AFS	0800E	0900	N10	W69	08 30.2		03	9	9	E	LEAR	7904	
04	AFS	0925E	1520	N05	W77	08 29.7		02	9	9	E	SVTO	7904	
04	AFS	1046E	1907D	N08	W73	08 30.1		01	9	9	E	RAMY	7904	
04	BSD	1120E	1309D	N08	W76	08 29.9		07	9	9	E	RAMY	7904	
04	BSD	1130E	1520	N06	W78	08 29.7		10	9	9	E	SVTO	7904	
04	APR	1130E	1520	S08	W90	08 28.8	1		6	8	E	SVTO		
04	APR	1407E	1907D	S07	W90	08 28.9	1		6	9	E	RAMY		
04	DSD	1608	1630D	N08	W82	08 29.6		02	9	9	E	HOLL	7904	Flare Associated
04	BSD	1609E	1617D	N06	W78	08 29.9		07	9	9	E	RAMY	7904	Flare Associated
04	BSD	1907E	1936D	N05	W79	08 30.0		11	9	9	E	RAMY	7904	
04	ASR	2308	0016	N05	W90	08 29.3			9	9	E	HOLL	7904	
04	ASR	2315E	2339	N09	W90	08 29.3			9	9	E	LEAR	7904	
04	ASR	2350	0104	N09	W90	08 29.3			9	9	E	LEAR	7904	
05	ASR	0510E	0950	N09	W90	08 29.6			9	9	E	LEAR	7904	
05	ASR	1115E	2203	N08	W90	08 29.8			9	9	E	RAMY	7904	
05	ASR	1233E	1511	N07	W90	08 29.9			9	9	E	SVTO	7904	
05	ASR	1300E	2154	N11	W90	08 29.9			9	9	E	HOLL	7904	
05	ASR	1655E	2350D	N07	W89	08 30.1			7	8	E	PALE	7904	
06	DSD	0041	1856	N04	W68	08 31.9		02	9	9	E	HOLL	7903	
06	AFS	0740E	1444	N09	W44	09 3.0		02	9	9	E	SVTO		
06	AFS	1740E	2315D	N09	W49	09 3.0		01	4	5	E	PALE	1111	
06	AFS	2338E	0100	S11	E60	09 11.5		01	7	6	E	HOLL		
07	AFS	1639E	0334	N09	W62	09 3.0		02	7	8	E	PALE		
08	AFS	1330E	1630	S23	E33	09 11.1		01	9	9	E	SVTO		
08	AFS	1348E	2025	S23	E34	09 11.2		01	9	9	E	RAMY		
08	AFS	1501E	1630D	S24	E34	09 11.2		01	9	9	E	HOLL		
09	ADF	0700E	0950	S25	E42	09 12.5	1	18	7	6	E	LEAR		
09	APR	1100E	1138D	N11	W90	09 2.7	2		9	9	E	RAMY		
09	APR	1109E	1143D	N08	W90	09 2.7	1		9	9	E	SVTO		
09	ADF	1150E	2044D	S27	E25	09 11.4	1	16	9	9	E	RAMY		
09	ADF	1905E	0210	S27	E24	09 11.7	1	16	4	5	E	PALE		
10	ADF	0636E	1457D	S27	E20	09 11.8	2	12	7	6	E	SVTO		
10	DSF	1614U	1133U	S31	E24	09 12.6	2	11	0	0	E	RAMY		
11	DSF	0028U	1409U	S33	E13	09 12.0	2	15	0	0	E	HOLL		
11	DSF	0504U	1007U	S28	E07	09 11.7	2	12	6	6	E	SVTO		
11	ADF	0835E	0952	S28	E01	09 11.4	1	18	4	6	E	LEAR		
11	DSF	0835U	1007U	S28	E01	09 11.4	1	18	4	6	E	LEAR		
11	DSD	0845E	1013D	N09	W48	09 7.8		01	7	7	E	SVTO		
11	DSD	2345E	0020D	N13	W55	09 7.8		02	9	9	E	LEAR		
12	AFS	0020E	1000	N13	W55	09 7.9		02	9	9	E	LEAR		

ACTIVE PROMINENCES AND FILAMENTS

19
Sep 95

SEPTEMBER 1995

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
12	AFS	0535E	1640	N09	W58	09	7.9		01	9	9	E	SVTO	7905	
13	AFS	1304E	2130	N12	W62	09	8.9		01	9	9	E	HOLL	7905	
14	ASR	1230E	1522D	N09	W89	09	7.8			9	9	E	RAMY	7905	
14	DSF	1717U	1110U	N08	E53	09	18.7	2	05	0	0	E	RAMY		
14	ASR	1930E	2052	N11	W90	09	8.0			9	9	E	RAMY	7905	
15	AFS	0505E	1615	S18	W57	09	10.9		02	9	9	E	SVTO	7906	
15	DSD	0735E	0820D	S15	W68	09	10.2		02	9	9	E	LEAR		
15	AFS	1051E	1719	S18	W66	09	10.4		01	9	9	E	RAMY	7906	
15	DSD	1130E	1719	S16	W67	09	10.4		01	9	9	E	RAMY	7906	
16	BSD	0631E	0906	S19	W80	09	10.2		05	9	9	E	SVTO	7906	
16	ASR	1115E	1215	S19	W81	09	10.3			9	9	E	SVTO	7906	
16	ASR	1300E	1620	S19	W83	09	10.2			9	9	E	SVTO	7906	
16	ASR	1710E	0120	S16	W90	09	9.9			9	9	E	PALE	7906	
16	ASR	1847E	0104	S16	W90	09	9.9			9	9	E	HOLL	7906	
16	ASR	2310E	0705D	S12	W90	09	10.2			9	8	E	LEAR	7906	
17	ADF	0510E	0955	N03	E18	09	18.6	1	05	8	7	E	LEAR		
17	APR	1316E	1851	N13	E90	09	24.3	1		9	9	E	HOLL		
17	EPL	1808E	1815	N17	E90	09	24.6	3		9	9	E	HOLL		Flare Associated
17	EPL	1808E	1837D	N17	E90	09	24.6	3		8	6	E	PALE		
17	APR	1856E	1930D	N13	E90	09	24.6	1		9	9	E	RAMY		
18	APR	0433E	0955	N13	E90	09	25.0			9	9	E	LEAR		
18	ASR	0754E	0955	N07	E90	09	25.1			9	8	E	LEAR		
18	EPL	0850	1130	N21	E82	09	24.6	1		9	9	V	KHAR		
18	ASR	1133E	1326D	N09	E90	09	25.2			9	9	E	RAMY		
18	ASR	1400	0022	N07	E90	09	25.3			9	6	E	HOLL		
18	APR	1400	0022	N10	E90	09	25.3	1		9	9	E	HOLL		
18	ASR	1956E	2145	N04	E88	09	25.4			9	9	E	RAMY		
18	ASR	2008E	0140	N07	E78	09	24.7			9	9	E	PALE		
18	EPL	2027	2055D	N04	E90	09	25.6	3		9	9	E	HOLL		
18	APR	2106E	2145	N07	E90	09	25.6	1		9	9	E	RAMY		
19	DSF	0018U	1341U	S27	E19	09	20.5	2	10	0	0	E	HOLL		
19	ADF	0552E	0956	N12	W07	09	18.7		08	8	9	E	LEAR		
19	ADF	1025	1055	N27	E69	09	24.7	1		9	9	V	KHAR		
19	DSD	1055	1105	N22	E66	09	24.5	1		9	9	V	KHAR		
19	DSD	1200E	1605D	N07	E83	09	25.7		02	9	9	E	RAMY	7907	
19	AFS	1221E	2206	N09	E76	09	25.2		01	9	9	E	RAMY	7907	
19	AFS	1314E	1725D	S15	W27	09	17.5		01	9	9	E	RAMY		
19	APR	1535E	1600D	N05	E90	09	26.4	1		9	9	E	RAMY		
19	ASR	2024E	2120D	N03	E85	09	26.2			8	8	E	RAMY		
20	AFS	0729E	1404D	N12	E63	09	25.0		02	9	9	E	SVTO	7907	
20	AFS	0729E	1408	N10	E63	09	25.0		02	9	9	E	SVTO	7907	
20	DSD	1203E	1824	N09	E63	09	25.2		04	9	9	E	RAMY	7907	
21	AFS	0115E	0337D	N03	E51	09	24.9		02	9	9	E	LEAR	7907	
21	DSD	1035E	2016D	N07	E48	09	25.0		02	9	9	E	RAMY	7907	
21	DSD	1035E	2016D	N08	E47	09	25.0		04	9	9	E	RAMY	7907	
21	DSD	1334E	0042	N09	E45	09	24.9		02	9	9	E	HOLL	7907	
21	DSD	1611	1740D	N07	E40	09	24.7		06	9	9	E	HOLL	7907	Flare Associated
21	DSD	1611	1810D	N06	E44	09	25.0		04	9	9	E	HOLL	7907	Flare Associated
21	DSD	1650E	2140	N07	E48	09	25.3		02	9	9	E	PALE	7907	
21	ASR	1858E	2140	S02	E72	09	27.2			7	6	E	PALE		
21	DSD	1919	0042	N06	E46	09	25.2		03	9	9	E	HOLL	7907	Flare Associated
22	DSD	0005E	0630D	N06	E39	09	24.9		02	9	9	E	LEAR	7907	
22	DSD	0550E	0620D	N09	E37	09	25.0		03	9	9	E	SVTO	7907	
22	AFS	0550E	0650D	N09	E36	09	24.9		02	9	9	E	SVTO	7907	
22	DSD	0636	0946	N03	E34	09	24.8		05	9	9	E	LEAR	7907	Flare Associated
22	DSD	0636E	1620	N09	E37	09	25.0		03	9	9	E	SVTO	7907	Flare Associated
22	DSD	1044E	1706	N09	E33	09	24.9		03	9	9	E	RAMY	7907	
22	ADF	1310E	1620	N07	E32	09	24.9	1	02	9	9	E	SVTO	7907	
22	DSD	1728	2113	N09	E36	09	25.4		02	6	5	E	PALE	7907	

20
Sep 95

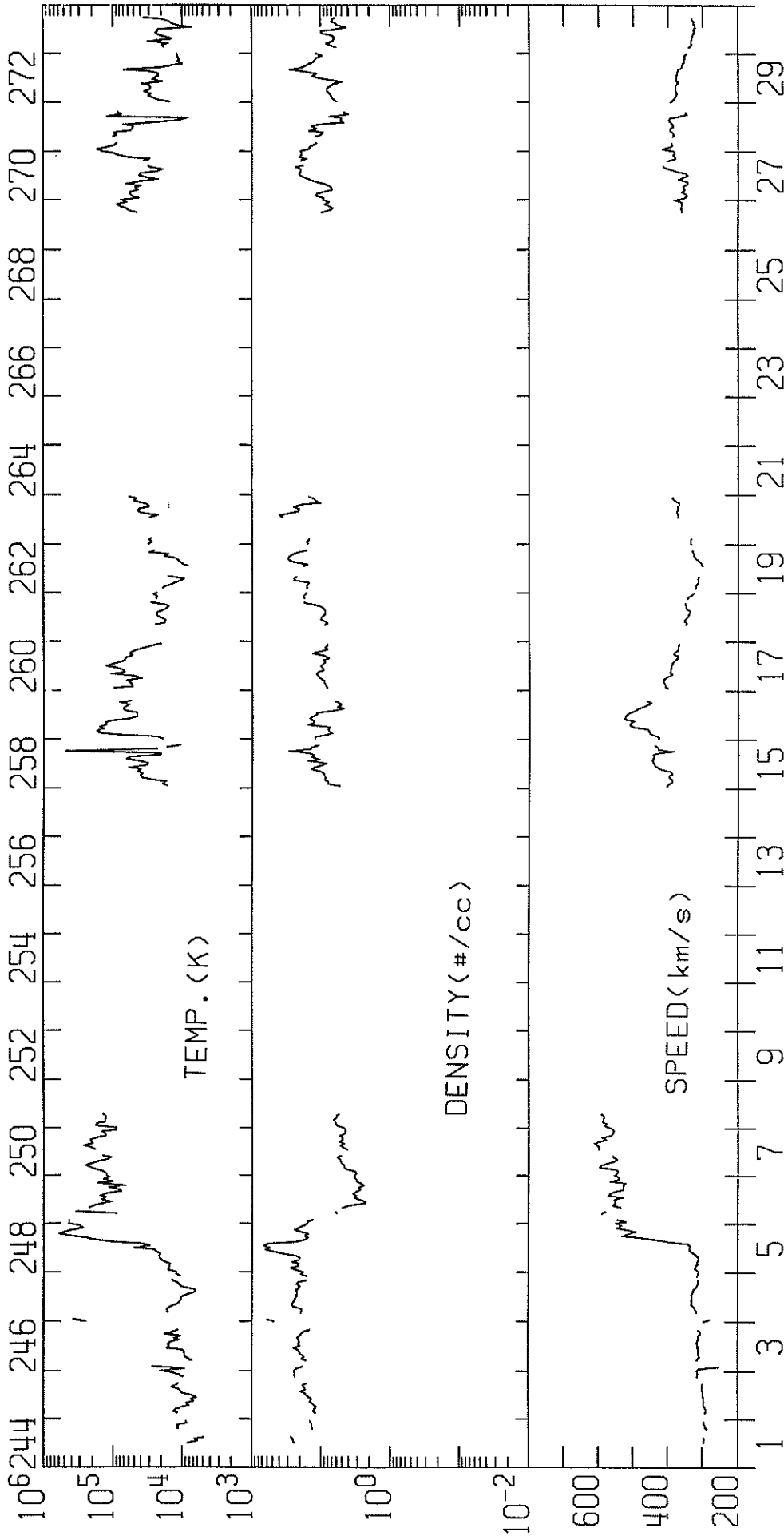
ACTIVE PROMINENCES AND FILAMENTS

SEPTEMBER 1995

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	NOAA/USAF Sta	Reg#	Remarks
23	AFS	0212E	0915	N06	E25	09	25.0		02	9	9	E	LEAR	7907	
23	DSD	0739E	1155D	N08	E21	09	24.9		05	9	9	E	SVTO	7907	
23	AFS	0739E	1615	N07	E20	09	24.8		01	9	9	E	SVTO	7907	
23	DSD	0752E	0915	N08	E19	09	24.7		04	9	9	E	LEAR	7907	
23	DSD	1151E	1615	S03	E52	09	27.4		03	9	9	E	SVTO	7909	
23	DSD	1340E	0049	N06	E15	09	24.7		03	9	9	E	HOLL	7907	
23	DSD	1340E	1615	N08	E17	09	24.8		03	9	9	E	SVTO	7907	
23	DSD	1430E	0049	N07	E17	09	24.9		02	9	9	E	HOLL	7907	
23	DSD	1645E	1816	N06	E15	09	24.8		02	9	9	E	RAMY	7907	
23	DSD	1645E	1816	N08	E14	09	24.7		02	9	9	E	RAMY	7907	
23	ADF	1702E	2050	N07	E18	09	25.0	1	04	9	9	E	PALE	7907	
23	DSD	1705E	2050	N05	E20	09	25.2		03	9	9	E	PALE	7907	
24	DSD	0645E	1520	S02	E42	09	27.4		03	9	9	E	SVTO	7909	
24	DSD	0810E	1520	N11	E15	09	25.5		02	6	6	E	SVTO	7908	
24	ADF	0815E	1520	N00	E50	09	28.1	1	05	9	9	E	SVTO	7909	
24	DSD	0845E	1215D	N06	E08	09	25.0		02	9	9	E	SVTO	7907	
24	ADF	1145E	1340D	N11	E13	09	25.5	3	05	9	9	E	SVTO	7908	
24	DSD	1449	2233	N05	E13	09	25.6		03	9	9	E	HOLL	7907	
24	DSD	1520E	1520	N10	E10	09	25.4		03	9	9	E	SVTO	7807	
24	DSD	1725E	2110	S30	E07	09	25.3		03	9	9	E	PALE	7909	
24	ADF	1730E	2110	N10	E10	09	25.5	1	03	9	9	E	PALE	7907	
24	ADF	1940E	2307	N07	E03	09	25.0	1	04	9	9	E	HOLL	7907	
24	ADF	2022E	2110	S08	E31	09	27.2	1	04	9	9	E	PALE	7909	
25	DSD	1420	1542	S11	E26	09	27.5		02	6	9	E	HOLL	7909	
25	DSD	2010	0048	S04	E23	09	27.5		02	9	7	E	HOLL	7909	
25	DSD	2038	2137	N00	W11	09	25.0		02	9	9	E	HOLL	7907	
25	DSD	2157	0048	N06	W12	09	25.0		04	9	9	E	HOLL	7907	
26	ADF	0927E	2358D	N25	E52	09	30.4	2	08	0	0	E	LEAR		
26	ADF	1418E	0046	S06	E13	09	27.6	1	05	9	9	E	HOLL	7909	
26	DSD	1957E	2014	N04	W24	09	25.0		03	0	0	E	HOLL	7907	
26	ADF	2218E	0153	S04	E09	09	27.6	1	07	7	6	E	PALE	7909	
27	DSD	0800E	0842D	S04	E02	09	27.5		04	9	9	E	SVTO	7909	Flare Associated
27	DSD	0815E	0855D	S03	E01	09	27.4		02	9	9	E	LEAR	7909	
27	ADF	1146E	1429D	N00	E04	09	27.8	1	04	9	9	E	RAMY	7909	
27	AFS	1245E	1543	S13	W03	09	27.3		01	9	9	E	RAMY		
27	DSD	1433	1539	S08	E10	09	28.3		03	9	9	E	HOLL	7909	
29	AFS	1824E	1945	N09	W09	09	29.1		01	9	9	E	HOLL		
30	DSD	1221E	1419D	S01	W43	09	27.3		01	9	9	E	RAMY	7909	

IMP 8 SOLAR WIND PLASMA
SEPTEMBER 1995

MIT/CSR IMP 8 PLASMA PARAMETERS



SEP 1995

SEP 1995

IMP 8

MIT

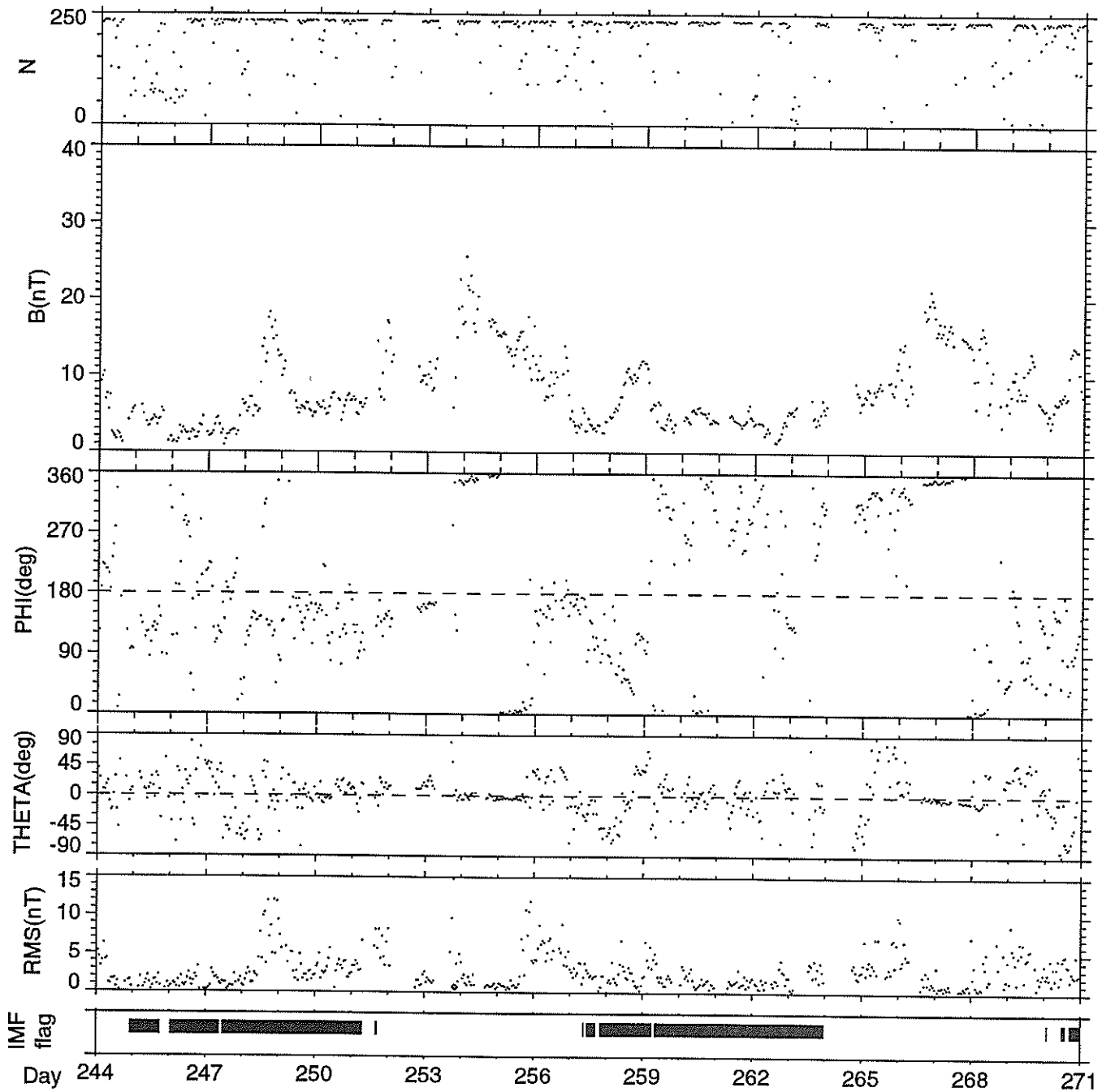
ONE-HOUR AVERAGES

IMP-8 Magnetic Field Data in GSE Coordinates

1 Hour Averages

(c) DOY 244 - 271

September 1 1995 - September 28 1995



Generation Date : Mon Feb 5 07:53:28 1996

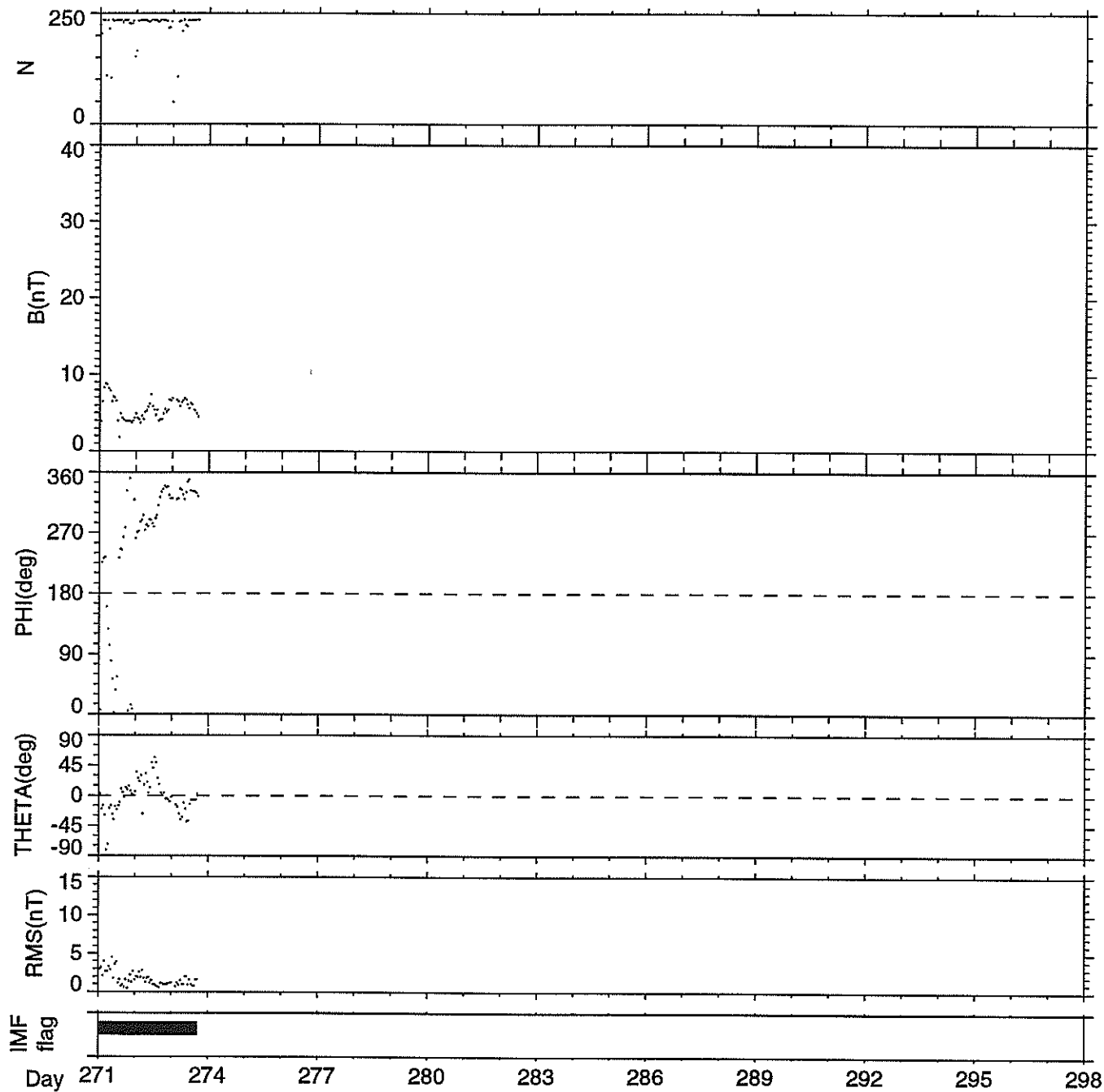
NOTE: The IMF "flag" (black boxes at the bottom of the plots) indicates where the interplanetary magnetic field regions are according to a dynamic model of the location of the bow shock. At all other times IMP-8 is in the magnetosphere.

IMP-8 Magnetic Field Data in GSE Coordinates

1 Hour Averages

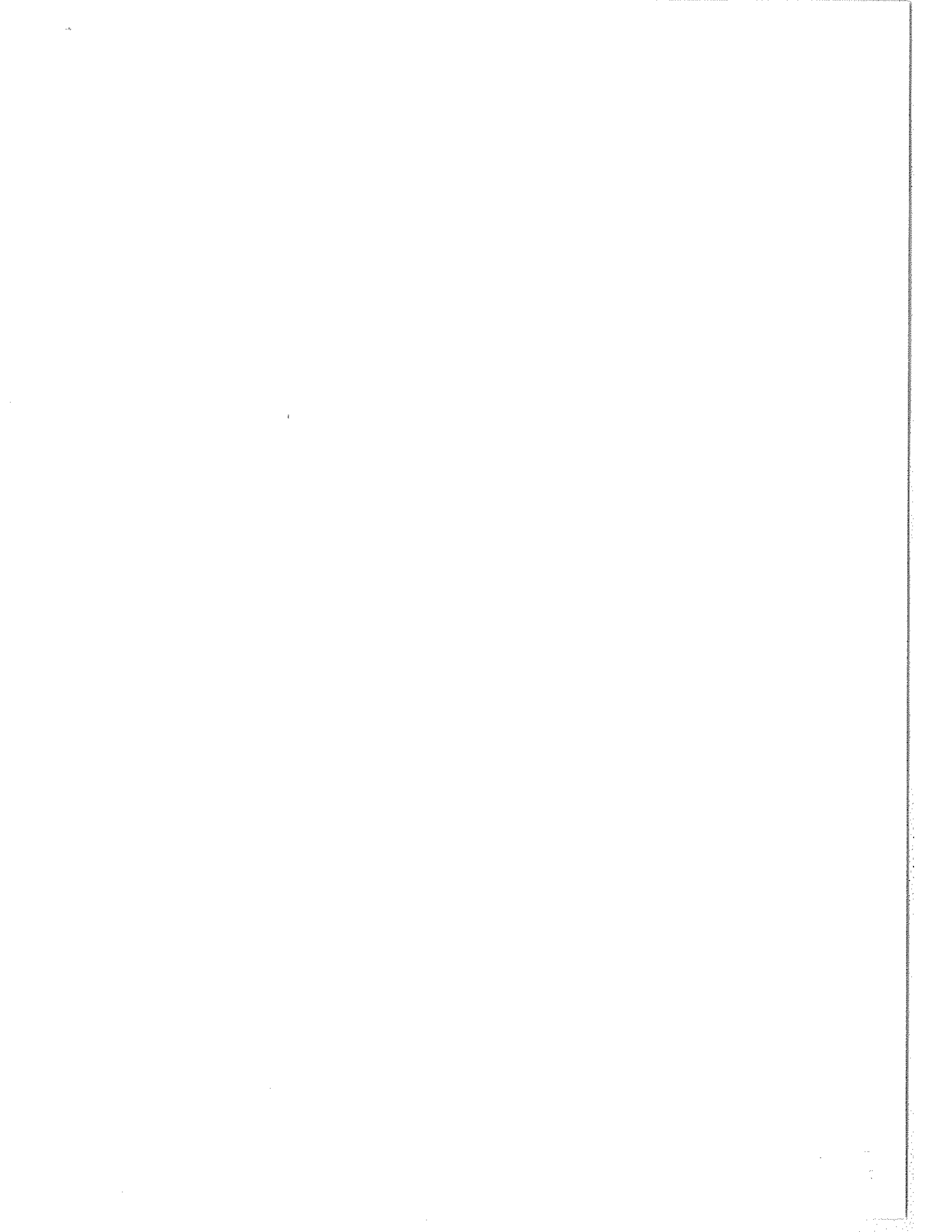
(c) DOY 271 - 273

September 28 1995 - September 30 1995



Generation Date : Mon Feb 5 07:53:55 1996

NOTE: The IMF "flag" (black boxes at the bottom of the plots) indicates where the interplanetary magnetic field regions are according to a dynamic model of the location of the bow shock. At all other times IMP-8 is in the magnetosphere.



CONTENTS

Comprehensive Reports

Number 619 Part II

MISCELLANEOUS DATA

Page

SOLAR RADIO SPECTRAL OBSERVATIONS -- WEISSENAU January-February and September-December 1992	26-38
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26
Late
Jan 92

S O L A R R A D I O E M I S S I O N
Spectral Observations
JANUARY 1992

Observation Day (UT)	Start (UT)	End (UT)	Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
				Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
01	0859	1614	WEIS				0931.8	0932.7	2				IIIG
			WEIS				1041.8	1042.3	2				IIIG
			WEIS				1126.0	1129.7	3				IIIG/V
			WEIS				1132.8	1143.0	2				II H
			WEIS				1252.5	1253.0	2				IIIG
			WEIS				1329.5	1329.6	1				IIIB
			WEIS				1333.7	1333.8	1				IIIG
			WEIS				1413.4	1413.7	1				IIIG
02	0758	1515	WEIS				1340.3	1340.5	1				IIIG
			WEIS	1355.7	1359.7	2							IIIG,SPIKES
			WEIS				1446.4	1452.9	1				IIIG
			WEIS				1459.3	1500.3	3				IIIG
			WEIS				1510.3	1510.4	2				IIIB
03	0758	1515	WEIS										
04	0759	1101	WEIS										
			WEIS				0938.2	0939.1	2				IIIG
			WEIS				0953.7	0954.6	3				IIIGG
			WEIS				1028.7	1029.4	1				IIIG
			WEIS				1033.0	1033.3	2				IIIB
			WEIS				1036.4	1037.0	3				IIIG,SPIKES
			WEIS				1043.2	1043.4	1				IIIB
			WEIS	1123	1517								
05	0757	1518	WEIS				0855.0	0859.7	2				IIIG
			WEIS				1126.2	1126.4	1				IIIG
			WEIS	1248.6	1248.7	1							IIIG
			WEIS				1315.9	1317.7	3				IIIG,SPIKES
			WEIS				1340.0	1458.0	2				I,S
06	0757	1517	WEIS				0822.0	1321.0	2				IIIN
			WEIS				0822.8	0823.3	3				IIIG
			WEIS				1041.4	1043.3	3				IIIG,U
07	0759	1521	WEIS	0853.8	0854.2	1							SPIKES
			WEIS				0857.6	0902.8	3				IIIGG,SPIKES
			WEIS				1024.7	1025.5	1				IIIG
			WEIS				1117.6	1117.9	1				IIIG
			WEIS				1119.4	1119.5	1				IIIB
			WEIS				1245.7	1245.8	1				IIIB
			WEIS				1314.7	1315.2	1				IIIG
			WEIS	1458.0	1458.4	1							IIIG
08	0756	1522	WEIS				1439.4	1439.5	2				IIIG
09	0756	1046	WEIS				1140.7	1140.9	2				IIIB
			WEIS	1117	1522		1240.4	1241.2	1				IIIG,SPIKES
			WEIS				1434.3	1434.5	2				IIIG
10	0757	1525	WEIS										
11	0755	1526	WEIS										
12	0754	1526	WEIS	0911.3	0912.0	1							IIIG
13	0755	1529	WEIS										
14	0753	0928	WEIS				0908.3	0910.2	3				IIIG
			WEIS	0942	1530	1125.0	1125.2	1					IIIG
			WEIS				1131.1	1131.8	1				IIIG
15	0752	1530	WEIS										
16	0753	1421	WEIS										
			WEIS	1445	1533								
17	0750	1535	WEIS				1507.6	1508.3	1				IIIG

S O L A R R A D I O E M I S S I O N
Spectral Observations

27th
Late
Jan 92

JANUARY 1992

Day	Observation		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	Start (UT)	End (UT)		Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
18	0749	1535	WEIS				1419.4	1421.1	2				IIIG
19	0750	1528	WEIS				1056.8	1056.9	1				IIIB
20	0747	1539	WEIS				1449.0	1449.3	3				IIIG
21	0746	1143	WEIS										
	1213	1539	WEIS										
22	0747	1542	WEIS										
23	0744	1544	WEIS				1214.4	1215.3	3				IIIG, SPIKES
24	0743	1544	WEIS				1126.5	1127.5	2				IIIG, SPIKES
25	0744	1547	WEIS										
26	0740	0818	WEIS										
	0928	1549	WEIS				1241.6	1242.1	1				IIIG
			WEIS				1414.4	1415.8	3				IIIG
			WEIS				1459.7	1459.8	2				IIIB
			WEIS				1511.7	1512.3	2				IIIG
27	0739	1549	WEIS				1308.0	1527.0	1				I,N
			WEIS				1446.8	1447.4	2				IIIG
28	0739	1303	WEIS				0839.0	1303.0	2				I,N
	1410	1552	WEIS										
29	0736	1554	WEIS				1017.0	1554.0	3				I,S
30	0735	1554	WEIS				1356.3	1358.2	3				IIIG,U
			WEIS				1416.8	1416.9	1				IIIG
31	0735	1557	WEIS				0736.0	1557.5	3				IIIS

The symbols used under the column heading SPECTRAL TYPE have the following definitions:

B = Single burst	RS = Reverse slope burst
G = Small group (< 10) of bursts	DP = Drifting pairs
GG = Large group (> 10) of burst	DC = Drifting Chains
C = Underlying continuum (particularly with Type I)	H = Herringbone
S = Storm in the sense of intermittent but apparently connected activity	W = Weak
N = Intermittent activity in this period	P = Pulsations
U = U-shaped burst of Type III	CONT = Continuum
SP = SPIKES	UNCLF = Unclassified activity
	DCIM = Fast drift

Stations Reporting:

IZMI = IZMIRAN	LEAR = Learmonth	ONDR = Ondrejov	PALE = Palehua	POTS = Potsdam
SGMR = Sagamore Hill	SVTO = San Vito	WEIS = Weissenau		

28
Late
Feb 92

S O L A R R A D I O E M I S S I O N
Spectral Observations
FEBRUARY 1992

Observation Day	Start End		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	(UT)	(UT)		Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
01	0732	1559	WEIS WEIS				0830.0 1529.4	1424.0 1529.8	1 3				I,N IIIG,RS
02	0730	1559	WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS	0904.8	0906.3	2	0905.8 1035.1 1119.3 1133.2 1159.0 1302.4	0907.3 1036.5 1119.7 1134.8 1159.5 1302.6	3 2 3 3 3 1				IIIG,SPIKES IIIG IIIG IIIG IIIG/V,RS IIIG I IIIB IIIG IIIG
03	0731	1602	WEIS WEIS	1012.0	1016.0	1	0821.0	1539.0	1				I,N CONT
04	0727	1604	WEIS	0751.0	1456.0	1							I,N
05	0726	1604	WEIS WEIS WEIS				0746.0 0825.0 1317.3	1209.0 1527.0 1317.4	2 2 2				IIIN I,N IIIB
06	0726 0942	0853 1607	WEIS WEIS WEIS				1158.0 1347.2	1555.0 1351.2	2 3				I,S IIIGG,RS
07	0723	1609	WEIS WEIS WEIS WEIS WEIS WEIS				1023.0 1144.5 1150.0 1153.9 1204.9 1208.0	1231.0 1145.5 1204.0 1154.0 1206.7 1411.0	2 3 2 2 3 2				I,S IIIG CONT,P,RS II HB IIIN
08	0721	1609	WEIS WEIS WEIS WEIS WEIS	0910.8	0910.9	1	0723.3 0912.6 0953.2 0957.3 1443.4	0726.3 0914.7 0954.8 0958.5 1443.6	2 3 2 1 2				IIIG SPIKES IIIGG IIIG IIIG IIIB
09	0721	1612	WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS WEIS	0740.0	1550.0	1	1025.0 1209.4 1240.0 1326.4 1329.9 1401.4 1419.5 1441.6 1455.7 1507.0 1527.3 1538.3 1543.4 1556.0 1606.3 1608.7	1025.1 1211.1 1240.3 1326.8 1330.0 1406.7 1419.8 1444.3 1500.4 1507.2 1527.8 1538.4 1546.2 1556.6 1606.8 1609.3	2 2 2 3 2 3 3 2 2 3 1 2 3 1 1 2				I IIIB IIIG IIIG IIIG IIIGG U IIIG IIIGG IIIB IIIG IIIB IIIG IIIG IIIG IIIG
10	0718 1049	1050 1614	WEIS WEIS WEIS WEIS	0735.3	0735.4	1	0746.0	1430.0	2				IIIB,RS I,N RS IIIGG IIIG
11	0716	1614	WEIS WEIS WEIS	1000.9	1000.1	2	0810.2 0822.5	0810.3 0822.8	3 2				IIIB IIIG,SPIKES IIIG

S O L A R R A D I O E M I S S I O N
Spectral Observations
FEBRUARY 1992

29
Late
Feb 92

Observation Day	Start (UT)	End (UT)	Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
				Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
11			WEIS				1056.3	1057.4	1				IIIG
			WEIS				1158.2	1158.4	3				IIIG
			WEIS				1246.6	1250.2	3				IIIG
			WEIS				1402.0	1402.3	3				IIIB
			WEIS				1458.3	1501.3	3				IIIGG,RS,SPIKES
12	0716	1618	WEIS				0820.1	0820.3	2				IIIG
			WEIS				1008.2	1008.8	2				IIIG
			WEIS				1213.4	1213.6	2				IIIG
			WEIS	1601.6	1601.7	1							RS
			WEIS				1602.7	1603.6	3				IIIG
13	0712	1619	WEIS				1325.6	1325.7	2				IIIB
			WEIS				1350.7	1350.9	3				RS,SPIKES
14	0711	1131	WEIS				0804.5	0806.7	2				IIIGG
	1203	1619	WEIS										
15	0711	1623	WEIS				0717.0	1533.0	1				I,S,DC
			WEIS	1231.8	1232.0	1							IIIG
			WEIS	1347.7	1347.9	2							IIIG
			WEIS	1408.4	1409.7	2							IIIG
			WEIS	1410.9	1411.2	1							IIIG
16	0707	1624	WEIS				0806.0	1605.0	1				I,N
			WEIS				0919.7	0920.4	1				IIIG
			WEIS	0956.7	0956.9	2							IIIG,RS
			WEIS				1025.0	1554.0	2				IIIN
			WEIS	1041.2	1041.3	1							IIIB
			WEIS	1533.0	1542.0	1							IIIGG,SPIKES
			WEIS	1544.6	1545.7	2							IIIG,SPIKES
17	0705	1624	WEIS				0707.0	1231.0	2				I,S
			WEIS				1238.1	1238.4	2				IIIG
			WEIS				1548.3	1549.7	3				IIIG
18	0705	1107	WEIS				0705.0	1542.0	2				IIIS,CONT
	1202	1628	WEIS										
19	0701	1629	WEIS	0703.4	0703.5	1							RS
			WEIS				0749.3	0749.4	1				IIIB
			WEIS				1151.5	1154.7	2				I,RS
			WEIS				1527.8	1627.9	1				IIIG
20	0700	1629	WEIS				0743.3	0752.7	3				IIIGG
			WEIS				0926.7	0926.8	2				IIIB
			WEIS				1055.0	1548.0	2				I,N
			WEIS				1208.1	1209.9	2				IIIG
			WEIS				1317.3	1318.6	1				IIIG,RS
			WEIS				1351.4	1351.5	1				IIIB
			WEIS				1412.8	1416.5	3				IIIGG,U
21	0700	1632	WEIS				0811.8	0812.4	2				IIIG
			WEIS				0850.0	0850.3	2				IIIB
			WEIS				0900.2	0900.3	1				IIIB
			WEIS				0920.3	0920.4	2				IIIB
			WEIS				1015.4	1018.2	2				IIIG
			WEIS				1057.3	1058.6	3				IIIG,RS
			WEIS				1121.9	1122.2	2				IIIG
			WEIS				1336.7	1338.6	2				IIIG
			WEIS				1411.2	1411.3	2				IIIB
			WEIS				1501.2	1501.4	2				IIIB
			WEIS				1535.7	1535.8	1				IIIG
22	0656	0925	WEIS				0736.0	1604.0	1				I,N
	1113	1634	WEIS				0849.6	0851.7	3				IIIG,U
			WEIS	1145.2	1145.3	1							IIIG
			WEIS				1246.7	1247.8	3				IIIG
			WEIS				1323.7	1323.4	1				IIIG

30
Late
Feb 92

S O L A R R A D I O E M I S S I O N
Spectral Observations

FEBRUARY 1992

Observation Day	Start (UT)	End (UT)	Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type	
				Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)		
22			WEIS				1352.8	1353.2	2				IIIG	
			WEIS				1354.9	1355.0	1				IIIB	
			WEIS				1429.3	1430.8	2				IIIG	
			WEIS				1541.4	1541.7	3				IIIG	
			WEIS				1558.2	1558.4	2				IIIG	
23	0654	1654	WEIS				0733.5	0733.7	1				IIIG	
			WEIS				1110.0	1627.0	2				I,N,DC	
			WEIS				1144.5	1144.6	1				IIIB	
			WEIS				1509.3	1513.8	3				II H,HB	
			WEIS				1547.2	1547.3	1				IIIB	
24	0654	1637	WEIS				0704.0	1637.0	3				I,S,DC	
			WEIS				0705.8	0705.9	3				IIIB	
			WEIS				0944.6	0945.7	2				IIIGG	
			WEIS				1340.1	1343.6	2				IIIGG	
			WEIS				1455.5	1458.2	3				IIIGG	
25	0650	1022	WEIS				0651.0	1639.0	2				CONT	
			1035	1639	WEIS				0653.0	1639.0	3			I,S,DC
					WEIS				0718.2	0719.6	2			IIIG
					WEIS				0722.8	0725.4	3			IIIGG
					WEIS				0917.3	0918.2	2			IIIG
					WEIS				1112.6	1113.9	3			IIIGG,SPIKES
					WEIS				1134.4	1145.2	2			IIIG
					WEIS				1511.6	1512.1	2			IIIG
26	0648	1639	WEIS				0655.0	1639.0	3				I,S,DC	
			WEIS				0835.5	0836.5	1				IIIG	
			WEIS				0943.4	0943.7	3				IIIB	
			WEIS				0956.4	0956.6	3				IIIG	
			WEIS				1000.3	1000.6	2				IIIG	
			WEIS				1310.0	1440.0	3				CONT	
27	0647	1113	WEIS				0647.0	1635.0	3				I,S	
			WEIS				0655.0	0753.0	2				CONT	
			WEIS				0807.4	0809.6	3				IIIGG	
			WEIS				0950.0	1050.0	3				CONT	
			WEIS				0951.2	1005.8	3				H,HB	
	1222	1642	WEIS											
28	0644	1644	WEIS				0646.0	1558.0	2				I,S,DC	
29	0642	1644	WEIS				0739.9	0741.6	3				IIIGG,U,RS	
			WEIS				0831.0	1640.0	2				I,S	
			WEIS				1628.6	1628.7	2				IIIB	

The symbols used under the column heading SPECTRAL TYPE have the following definitions:

- | | |
|--|-------------------------------|
| B = Single burst | RS = Reverse slope burst |
| G = Small group (< 10) of bursts | DP = Drifting pairs |
| GG = Large group (> 10) of burst | DC = Drifting Chains |
| C = Underlying continuum (particularly with Type I) | H = Herringbone |
| S = Storm in the sense of intermittent but apparently connected activity | W = Weak |
| N = Intermittent activity in this period | P = Pulsations |
| U = U-shaped burst of Type III | CONT = Continuum |
| SP = SPIKES | UNCLF = Unclassified activity |
| | DCIM = Fast drift |

Stations Reporting:

IZMI = IZMIRAN LEAR = Learmonth ONDR = Ondrejov PALE = Palehua POTS = Potsdam
SGMR = Sagamore Hill SVTO = San Vito WEIS = Weissenau

S O L A R R A D I O E M I S S I O N
Spectral Observations
SEPTEMBER 1992

31
Late
Sep 92

Observation Day (UT)	Start End (UT)		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type		
	Start (UT)	End (UT)		Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)					
01	0518	1740	WEIS												
02	0520	1024	WEIS				0959.9	1000.4	2			IIIG,RS			
		1337	WEIS				1454.2	1454.6	2			IIIG			
		1739	WEIS				1624.0	1624.5	2			IIIG			
03	0520	1736	WEIS				0931.9	0933.8	1			II H			
			WEIS				1043.2	1043.4	2			IIIG			
			WEIS				1155.9	1156.2	2			IIIG			
			WEIS				1335.7	1336.0	1			IIIG			
			WEIS				1337.2	1337.3	2			IIIG			
			WEIS				1344.1	1344.2	1			IIIB			
			WEIS				1346.2	1348.6	3			IIIG			
			WEIS				1621.4	1621.6	2			IIIB			
04	0522	1735	WEIS				0538.8	0539.7	3			IIIG			
			WEIS				0741.4	0742.8	2			IIIGG			
			WEIS				1415.9	1416.4	3			IIIG,U,SP			
			WEIS				1530.9	1532.2	3			IIIG			
			WEIS				1703.4	1703.6	2			IIIG			
05	0523	1339	WEIS	0756.7	0758.0	2						IIIG,RS			
			WEIS				0802.3	0802.7	1			IIIG,RS			
			WEIS				1122.7	1128.8	3			IIIGG,SP,RS			
			WEIS				1152.6	1152.8	2			IIIG			
			WEIS				1303.2	1304.2	3			IIIG			
	1404	1733		WEIS	1406.4	1406.5	1						IIIG		
				WEIS				1439.8	1440.3	3			IIIG		
				WEIS				1442.6	1442.8	3			IIIG		
				WEIS				1444.6	1444.9	2			IIIG		
				WEIS				1453.7	1454.2	3			IIIG,SP		
				WEIS				1507.6	1507.7	1			IIIB		
				WEIS				1530.0	1530.1	1			IIIB		
				WEIS				1537.3	1537.4	2			IIIG		
				WEIS	1617.8	1617.9	1						IIIB		
				WEIS	1724.8	1724.9	3						IIIB		
06	0525	1731	WEIS				0603.0	1717.0	2			IIIS			
			WEIS				0634.0	0741.0	2			I			
			WEIS				0654.0	0657.0	3			IIIG,RS			
			WEIS				0739.5	0741.1	3			IIIG,SP			
			WEIS				0752.3	0752.5	1			IIIG,SP			
			WEIS				0856.0	1131.0	3			CONT			
			WEIS				1016.0	1715.0	2			I,S			
			WEIS				1022.8	1023.3	1			IIIG			
			WEIS				1147.6	1148.3	2			IIIG			
			WEIS				1153.3	1200.7	3			IIIGG,SP			
			WEIS				1215.8	1216.2	2			IIIG,SP			
			WEIS				1229.2	1230.8	2			IIIG			
			WEIS				1238.0	1238.4	3			IIIG			
			WEIS				1242.0	1242.8	1			SP			
			WEIS				1247.0	1415.0	3			CONT			
			WEIS				1247.7	1249.3	2			F			
			WEIS				1302.0	1317.0	3			P			
			WEIS	1304.5	1305.6	2						F			
WEIS				1506.9	1507.5	3			IIIG						
07	0525	0925	WEIS				0620.0	1709.0	3			IIIN			
			WEIS				0624.0	0633.0	1			I			
			WEIS				0630.2	0633.7	1			SP			
			WEIS				0717.4	0718.2	2			IIIG			
			WEIS				0840.5	0841.7	3			IIIG			
			WEIS				0843.6	0846.4	3			IIIG,SP			
			WEIS				0847.9	0849.1	3			IIIG,RS			
			1008	1728		WEIS				1010.0	1016.0	1			I
						WEIS				1023.2	1025.5	3			IIIG
						WEIS				1029.9	1030.3	2			IIIG
						WEIS				1045.9	1046.4	2			IIIG
						WEIS				1225.0	1227.0	1			I

32
Late
Sep 92

S O L A R R A D I O E M I S S I O N
Spectral Observations
SEPTEMBER 1992

Observation			Decimetric Band			Metric Band			Dekametric Band			Spectral Type
Day	Start (UT)	End (UT)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
07						1301.0	1306.5	2				IIIGG,SP
						1328.3	1328.6	2				IIIG
						1356.8	1357.2	1				IIIG
						1500.3	1500.4	1				IIIB
						1504.2	1504.3	1				IIIB
08	0527	1725	WEIS	0555.7	0555.8	1						IIIB
			WEIS				1004.0	1022.0	2			I
			WEIS				1032.2	1032.3	2			IIIG
			WEIS				1110.8	1111.0	1			IIIB
			WEIS				1204.8	1208.8	3			IIIG,V
			WEIS				1210.6	1213.9	3			IIIGG
			WEIS				1215.2	1217.2	1			II
			WEIS	1604.3	1604.6	1						IIIG
			WEIS				1606.5	1606.7	1			IIIG
09	0607	1725	WEIS									
10	0530	1723	WEIS			0841.0	0853.0	1				I
			WEIS			1523.4	1524.0	3				IIIG,U
11	0531	1701	WEIS			0604.4	0630.0	3				IIIGG
	1705	1720	WEIS			0606.4	0611.0	3				II H,HB
			WEIS			0612.9	0613.2	2				IIIG
			WEIS			1447.2	1449.1	3				IIIG,RS
			WEIS			1618.8	1619.0	3				IIIG
12	0533	1719	WEIS			1538.5	1539.9	3				IIIG,RS
			WEIS			1538.8	1538.9	1				SP
13	0533	1716	WEIS			0717.4	0717.7	3				IIIG,U
			WEIS			1008.9	1009.3	3				RS
			WEIS			1332.8	1333.0	1				IIIG,RS
			WEIS			1441.4	1442.5	1				IIIG
14	0535	1715	WEIS			0732.4	0733.1	2				IIIG,RS
			WEIS			1446.2	1448.8	3				IIIG,RS
15	0536	0639	WEIS									
	0709	1712	WEIS									
16	0538	1711	WEIS			0937.3	0937.7	3				IIIG
			WEIS			1018.2	1018.4	3				IIIG
			WEIS			1020.7	1020.9	3				IIIG,RS
17	0539	1708	WEIS									
18	0541	0931	WEIS									
	1038	1707	WEIS			1118.6	1118.8	2				IIIB
19	0541	1704	WEIS			0620.9	0621.0	1				IIIB
			WEIS			0721.4	0723.4	2				II
20	0543	1703	WEIS									
21	0544	1125	WEIS									
23	0946	1656	WEIS									
24	0549	1654	WEIS									
25	0550	0745	WEIS									
	0800	1650	WEIS									
26	0552	1650	WEIS			1006.0	1007.3	2				IIIG
27	0553	1647	WEIS									
28	0555	1304	WEIS			0712.1	0713.4	3				IIIG

S O L A R R A D I O E M I S S I O N
Spectral Observations

33
Late
Sep 92

SEPTEMBER 1992

Day	Observation		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	Start (UT)	End (UT)		Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
28			WEIS				0840.3	0840.6	2				111G
29	0555	1644	WEIS				1328.0	1332.0	2				1,DC
			WEIS				1347.3	1347.4	1				111B
30	0557	1641	WEIS				0615.8	0615.9	2				U
			WEIS				0616.0	1633.0	3				IS

The symbols used under the column heading SPECTRAL TYPE have the following definitions:

B = Single burst	RS = Reverse slope burst
G = Small group (< 10) of bursts	DP = Drifting pairs
GG = Large group (> 10) of burst	DC = Drifting Chains
C = Underlying continuum (particularly with Type I)	H = Herringbone
S = Storm in the sense of intermittent but apparently connected activity	W = Weak
N = Intermittent activity in this period	P = Pulsations
U = U-shaped burst of Type III	CONT = Continuum
SP = SPIKES	UNCLF = Unclassified activity
	DCIM = Fast drift

Stations Reporting:

IZMI = IZMIRAN	LEAR = Learmonth	ONDR = Ondrejov	PALE = Palehua	POTS = Potsdam
SGMR = Sagamore Hill	SVTO = San Vito	WEIS = Weissenau		

34
Late
Oct 92

S O L A R R A D I O E M I S S I O N
Spectral Observations
OCTOBER 1992

Observation Day	Start End		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	(UT)	(UT)		Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
01	0559	1640	WEIS				0759.7	0807.4	2				IIIG,SPIKES
			WEIS				0932.5	0934.3	1				IIIG
			WEIS				1040.2	1044.8	2				IIIG,SPIKES
			WEIS				1047.7	1052.7	3				II HB
			WEIS				1341.8	1347.8	3				IIIG,SPIKES
			WEIS	1533.8	1533.9	1							IIIG
			WEIS				1555.6	1555.8	2				U
			WEIS				1629.4	1632.2	3				IIIGG,U,V
02	0600	0724	WEIS										
	0907	1638	WEIS				1512.7	1513.8	2				IIIG
03	0601	1635	WEIS										
04	0603	1634	WEIS				0934.5	0935.9	2				IIIG
05	0604	1416	WEIS										
08	0745	1626	WEIS				1501.4	1501.6	1				IIIG
09	0610	1623	WEIS										
11	1259	1626	WEIS										
12	0614	1617	WEIS										
13	0617	1616	WEIS				1605.7	1610.3	1				CONT
			WEIS				1610.1	1615.7	2				II
14	0617	1614	WEIS										
15	0619	0951	WEIS										
	1050	1611	WEIS										
16	0621	1610	WEIS										
17	0622	1608	WEIS										
18	0624	1234	WEIS										
	1345	1605	WEIS										
19	0626	0819	WEIS				1241.3	1245.2	3				IIIGG
	1102	1604	WEIS				1311.9	1313.5	2				IIIG,SPIKES
			WEIS				1345.3	1345.4	2				IIIG
			WEIS				1430.9	1431.3	2				IIIG
			WEIS				1458.2	1458.3	1				IIIB
20	0627	1602	WEIS				0722.5	0722.6	2				IIIB
			WEIS				0724.2	0724.3	1				IIIB
			WEIS				0830.4	0830.5	1				IIIB
			WEIS				0854.7	0856.3	3				IIIG
			WEIS				0909.7	0913.7	3				IIIGG/V,RS,SPIKES
			WEIS				0914.9	0926.2	3				II H,HB
21	0628	1219	WEIS				0646.0	1219.6	3				I,S,DC
			WEIS				0756.6	0756.8	3				IIIG
			WEIS				0820.0	0820.6	1				IIIG
			WEIS				0919.6	0919.7	2				IIIB
			WEIS				0925.0	0925.4	3				IIIG
			WEIS				1056.7	1056.9	3				IIIG
			WEIS				1101.1	1101.8	3				IIIG
			WEIS				1108.7	1108.9	2				IIIG
24	1351	1550	WEIS										
25	0636	1553	WEIS				0751.0	1553.0	2				I,N
26	0637	1551	WEIS				0834.0	1515.0	2				I,N
			WEIS				1241.1	1242.1	3				IIIG

S O L A R R A D I O E M I S S I O N
Spectral Observations

35
Late
Oct 92

OCTOBER 1992

Day	Observation		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	Start (UT)	End (UT)		Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
26			WEIS				1329.3	1329.4	1				IIIG
			WEIS				1443.6	1444.7	3				IIIG
27	0636	1548	WEIS				0820.0	1237.0	1				I,N
			WEIS				1135.8	1136.2	2				IIIG
			WEIS				1204.8	1205.2	1				IIIG
			WEIS				1303.4	1303.7	2				IIIG
			WEIS				1310.6	1311.8	3				IIIGG,SPIKES
			WEIS				1400.2	1401.1	2				IIIG,U
28	0640	1320	WEIS				0731.7	0731.9	1				IIIG
			WEIS				0759.3	0759.6	2				IIIG
			WEIS	0912.8	0913.7	3							IIIG
			WEIS				1007.4	1014.7	3				IIIGG,SPIKES
			WEIS				1011.3	1015.9	3				II
			WEIS				1018.5	1021.0	2				II
			WEIS				1021.0	1059.0	2				P
			WEIS				1202.8	1203.2	2				IIIG
			WEIS				1218.0	1218.2	1				IIIG
				1343	1547	WEIS							
29	0642	1546	WEIS				0713.7	0714.6	3				IIIG
			WEIS				0728.0	1506.0	2				I,N
			WEIS				0816.3	0818.4	3				IIIG
			WEIS				0921.8	0922.6	3				IIIG
			WEIS				1243.1	1244.8	3				IIIGG,U
			WEIS				1510.4	1511.1	3				IIIG,U
30	0643	1544	WEIS				0814.4	0817.1	3				IIIG
			WEIS				0853.1	0853.4	2				IIIG
			WEIS				0855.0	0856.3	3				IIIG
			WEIS				0944.0	0955.0	2				I
			WEIS				1336.7	1337.9	2				IIIG
			WEIS	1340.3	1340.4	1							IIIB
31	1008	1542	WEIS				1008.0	1516.0	3				I,S,DC
			WEIS				1343.1	1343.2	2				IIIB
			WEIS				1345.3	1345.4	1				IIIB
			WEIS				1443.0	1441.1	1				IIIB
			WEIS				1455.8	1455.9	1				IIIB
			WEIS				1500.2	1500.9	1				IIIG

The symbols used under the column heading SPECTRAL TYPE have the following definitions:

- | | |
|--|-------------------------------|
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| G = Small group (< 10) of bursts | DP = Drifting pairs |
| GG = Large group (> 10) of burst | DC = Drifting Chains |
| C = Underlying continuum (particularly with Type I) | H = Herringbone |
| S = Storm in the sense of intermittent but apparently connected activity | W = Weak |
| N = Intermittent activity in this period | P = Pulsations |
| U = U-shaped burst of Type III | CONT = Continuum |
| SP = SPIKES | UNCLF = Unclassified activity |
| | DCIM = Fast drift |

Stations Reporting:

IZMI = IZMIRAN	LEAR = Learmonth	ONDR = Ondrejov	PALE = Palehua	POTS = Potsdam
SGMR = Sagamore Hill	SVTO = San Vito	WEIS = Weissenau		

36
Late
Nov 92

S O L A R R A D I O E M I S S I O N
Spectral Observations
NOVEMBER 1992

Day	Observation		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	Start (UT)	End (UT)		Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
01	0646	1541	WEIS				0655.6	0655.7	1				IIIG
			WEIS				0657.0	1538.0	3				I,S
			WEIS				0714.3	0714.6	1				IIIG
			WEIS				0819.0	1532.0	2				IIIN
			WEIS				1011.2	1011.9	2				IIIG
			WEIS				1253.9	1254.3	2				IIIG
02	0648	1538	WEIS				0652.0	1529.0	2				I,S
			WEIS				0738.0	1427.0	2				IIIN
			WEIS				1307.7	1308.0	3				IIIG
03	0651	1537	WEIS				1305.0	1306.0	1				I
04	0652	1142	WEIS				1057.2	1142.0	2				IIIB
	1205	1536	WEIS										
05	0653	1533	WEIS										
06	0656	1447	WEIS				0817.2	0817.3	1				IIIB
			WEIS				0852.0	1206.0	2				I,S
			WEIS				1256.1	1256.4	2				U
	1442	1533	WEIS										
07	0657	1531	WEIS				1234.7	1235.1	1				IIIG
			WEIS				1417.7	1417.9	1				IIIG
			WEIS				1420.3	1423.3	2				IIIG
08	0658	1529	WEIS				1144.9	1148.2	3				IIIG
			WEIS				1317.1	1318.2	1				IIIG
			WEIS				1320.8	1323.1	2				IIIGG
			WEIS				1506.4	1509.9	3				IIIG
			WEIS				1513.8	1513.9	3				IIIB
09	0701	1528	WEIS										
10	0702	1527	WEIS				0834.9	0835.6	1				IIIG
			WEIS				1101.2	1101.6	2				IIIG
			WEIS				1103.9	1107.7	2				IIIG
			WEIS				1234.7	1238.4	3				IIIG
			WEIS				1346.6	1347.3	3				IIIG
			WEIS				1409.9	1412.6	3				IIIG
11	0703	0932	WEIS				0843.4	0843.9	2				IIIG
	1005	1203	WEIS										
12	0715	1233	WEIS				0857.2	0858.0	1				IIIG
	1304	1524	WEIS				1141.4	1141.9	3				IIIG
13	0707	1411	WEIS				0849.4	0849.6	2				IIIG
			WEIS				1212.7	1213.1	3				IIIB,U
			WEIS				1216.8	1216.9	2				IIIG
	1446	1523	WEIS										
14	0708	1520	WEIS										
15	0712	1520	WEIS										
16	0712	1519	WEIS										
17	0713	1517	WEIS										
18	0717	1055	WEIS										
	1108	1517	WEIS										
19	0717	1515	WEIS										
20	0718	1513	WEIS										
21	1047	1513	WEIS				1222.3	1222.6	2				IIIG

S O L A R R A D I O E M I S S I O N
Spectral Observations

37
Late
Nov 92

NOVEMBER 1992

Observation Start End Day (UT) (UT) Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
21				1238.0	1238.7	1				IIIG
				1426.1	1428.7	3				IIIG,SPIKES
				1430.9	1431.0	1				IIIB
22	0722	1512	WEIS	1138.3	1142.4	3				IIIG,RS
			WEIS	1214.1	1214.9	1				IIIG
			WEIS	1219.4	1219.5	1				IIIB
			WEIS	1301.1	1306.3	2				IIIGG,SPIKES
			WEIS	1307.9	1310.3	3				II H
			WEIS	1433.0	1448.0	2				I
23	0723	1511	WEIS							
24	0938	1511	WEIS	0945.0	1457.0	1				I,N
			WEIS	1048.3	1048.5	1				IIIG
			WEIS	1134.5	1134.6	2				IIIB
			WEIS	1140.3	1140.9	2				IIIG
			WEIS	1307.4	1309.3	2				IIIG,U
			WEIS	1454.0	1454.3	2				IIIG
			WEIS	1457.9	1459.2	2				IIIG,U
25	0726	1510	WEIS	0800.0	1510.0	2				I,N
			WEIS	1440.5	1441.0	3				IIIB,U
26	0728	1436	WEIS	0827.0	1432.0	2				I,N
			WEIS	1021.1	1022.6	2				IIIG
			WEIS	1130.2	1131.8	2				IIIG
			WEIS	1307.5	1307.8	1				IIIG
			WEIS	1342.1	1342.2	1				IIIB
27	0729	1508	WEIS	0743.7	0743.8	1				IIIB
			WEIS	0756.0	1507.0	3				I,S
			WEIS	1013.7	1014.8	2				IIIG
28	0731	1507	WEIS							
29	0732	1224	WEIS							
30	0827	1506	WEIS							

The symbols used under the column heading SPECTRAL TYPE have the following definitions:

B = Single burst	RS = Reverse slope burst
G = Small group (< 10) of bursts	DP = Drifting pairs
GG = Large group (> 10) of burst	DC = Drifting Chains
C = Underlying continuum (particularly with Type I)	H = Herringbone
S = Storm in the sense of intermittent but apparently connected activity	W = Weak
N = Intermittent activity in this period	P = Pulsations
U = U-shaped burst of Type III	CONT = Continuum
SP = SPIKES	UNCLF = Unclassified activity
	DCIM = Fast drift

Stations Reporting:

IZMI = IZMIRAN	LEAR = Learmonth	ONDR = Ondrejov	PALE = Palehua	POTS = Potsdam
SGMR = Sagamore Hill	SVTO = San Vito	WEIS = Weissenau		

38
Late
Dec 92

S O L A R R A D I O E M I S S I O N
Spectral Observations

DECEMBER 1992

Day	Observation		Sta	Decimetric Band			Metric Band			Dekametric Band			Spectral Type
	Start (UT)	End (UT)		Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	Start (UT)	End (UT)	Int (1-3)	
01	0735	1506	WEIS				0758.2	0758.4	2				IIIG,SP
			WEIS				1024.4	1025.3	2				IIIG,SP
			WEIS				1422.3	1422.4	1				IIIB
02	0736	1315	WEIS										

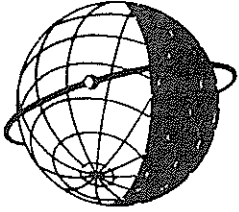
TERMINATION OF OBSERVATIONS

The symbols used under the column heading SPECTRAL TYPE have the following definitions:

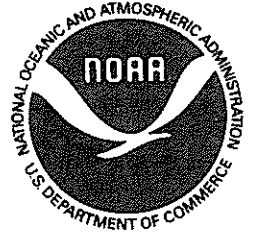
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The ICSU Panel on WDCs has recommended that it would be appropriate courtesy to acknowledge in publications that data were obtained from the originating station or investigator through the intermediary of the WDCs. The following statement is suggested:

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