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Data for January 1997

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Number 635

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*****NEW DATA*****

Flare Index of Solar Activity (Importance x Duration) Jan 86-Oct 96

DETAILED INDEX OF OBSERVATIONS PUBLISHED IN SOLAR-GEOPHYSICAL DATA

CODE	KIND OF OBSERVATION	NOV 96	DEC	JAN 97	FEB	MAR	APR	MAY	JUN
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The entry "629A 41" under Nov 96, for example, means that the sunspot drawings for Nov 1996 appear in SOLAR-GEOPHYSICAL DATA No. 629, 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.

JANUARY 1997

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	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)		
		24	0857	1041		No Flare Patrol												
		25	1016	1022		No Flare Patrol												
		25	2205	2312		No Flare Patrol												
		25	2331	2350		No Flare Patrol												
		26	0835	0947		No Flare Patrol												
		26	1007	1124		No Flare Patrol												
		26	2053	2104		No Flare Patrol												
		26	2239	2241		No Flare Patrol												
		27	0718	0735		No Flare Patrol												
0005	KANZ	27	1035	1039	1043	S08 W03	8013A	01	27.2	8	SF	2	C					G
0006	KANZ	27	1140	1144	1152	S08 W03	8013A	01	27.3	12	SF	2	C					G
		27	1405	1420		No Flare Patrol												
		28	0537	0553		No Flare Patrol												
		28	2205	2400		No Flare Patrol												
		29	0000	0002		No Flare Patrol												
		29	0208	0217		No Flare Patrol												
		29	0630	0754		No Flare Patrol												
0007	RAMY	29	1518	1518	1524	N02 E42	8015	02	1.8	6	SF B	1.0	3	E				11
0008	RAMY	29	1918E	1918U	1930	N02 E40	8015	02	1.8	12D	SF B	5.8	2	E				19
		29	2205	2246		No Flare Patrol												
		30	1641	1650		No Flare Patrol												
		30	1801	1834		No Flare Patrol												
		30	2146	2247		No Flare Patrol												
		31	0017	0030		No Flare Patrol												
		31	0035	0106		No Flare Patrol												
		31	1929	1933		No Flare Patrol												
		31	1937	2126		No Flare Patrol												

"Remarks"

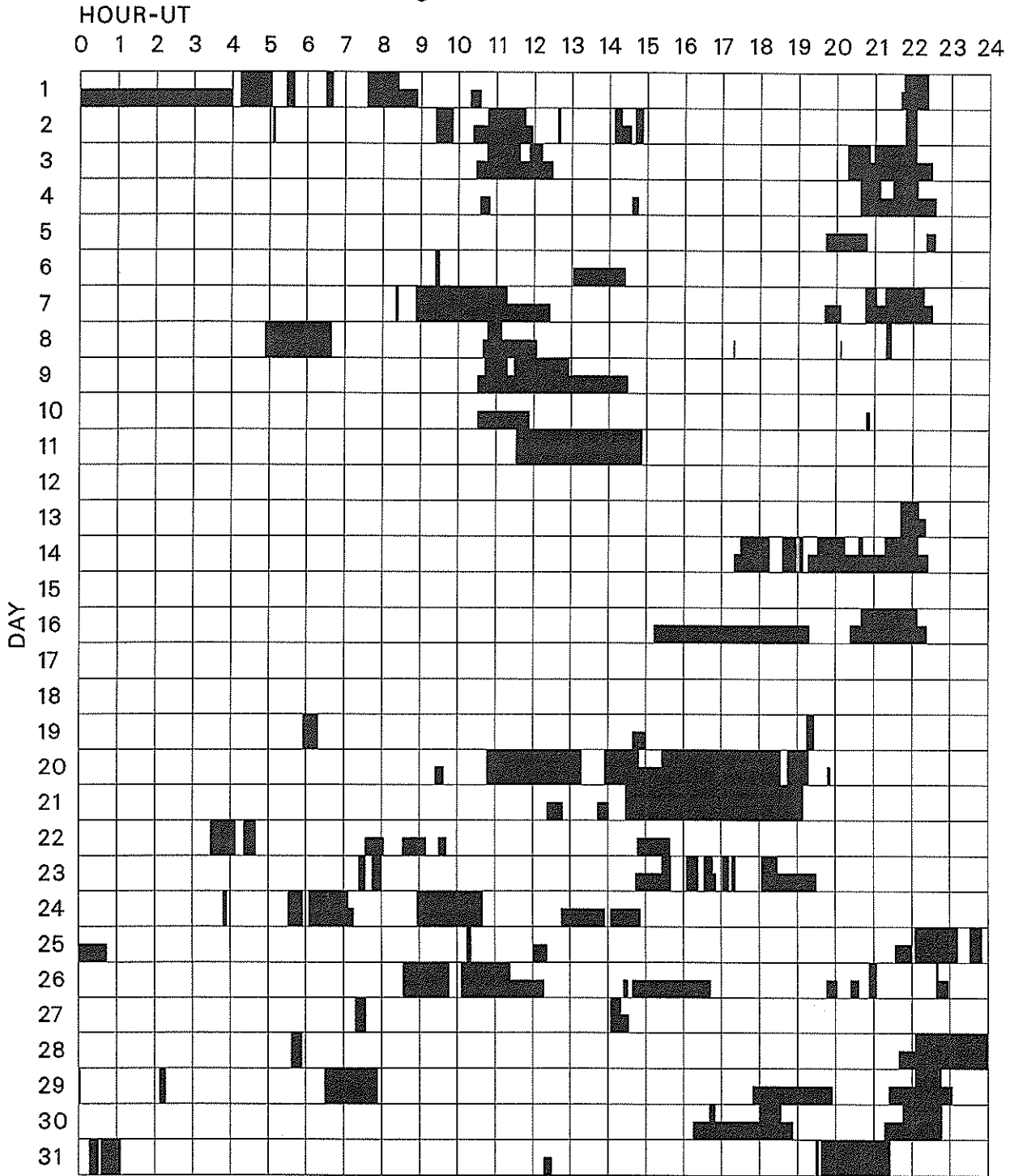
A = Eruptive prominence whose base is less than 90 degrees from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in the neighborhood.
 H = 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

JANUARY 1997



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 | Kanzelhoehe | Mitaka | Ramey |
| Holloman | Learmonth | Palehua | San Vito |

8
Jan 97

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

JANUARY 1997

Day	Freq Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
						Peak (10 -22 W/m 2 Hz)	Mean		
17	33 UPIC	2 S/F	0730.6	0730.7	0.3				
	33 UPIC	2 S/F	1250.7	1250.8	0.3				
18	33 UPIC	2 S/F	0951.0	0951.2	0.3				
28	33 UPIC	8 S	1151.5	1151.7	0.5				
	33 UPIC	1 S	1323.5	1323.7	0.4				

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 = Hiraïso	LEAR = Learmonth	POTS = Potsdam	UPIC = Upice
HUAN = Huancayo	NOBE = Nobeyama	SGMR = Sagamore Hill	

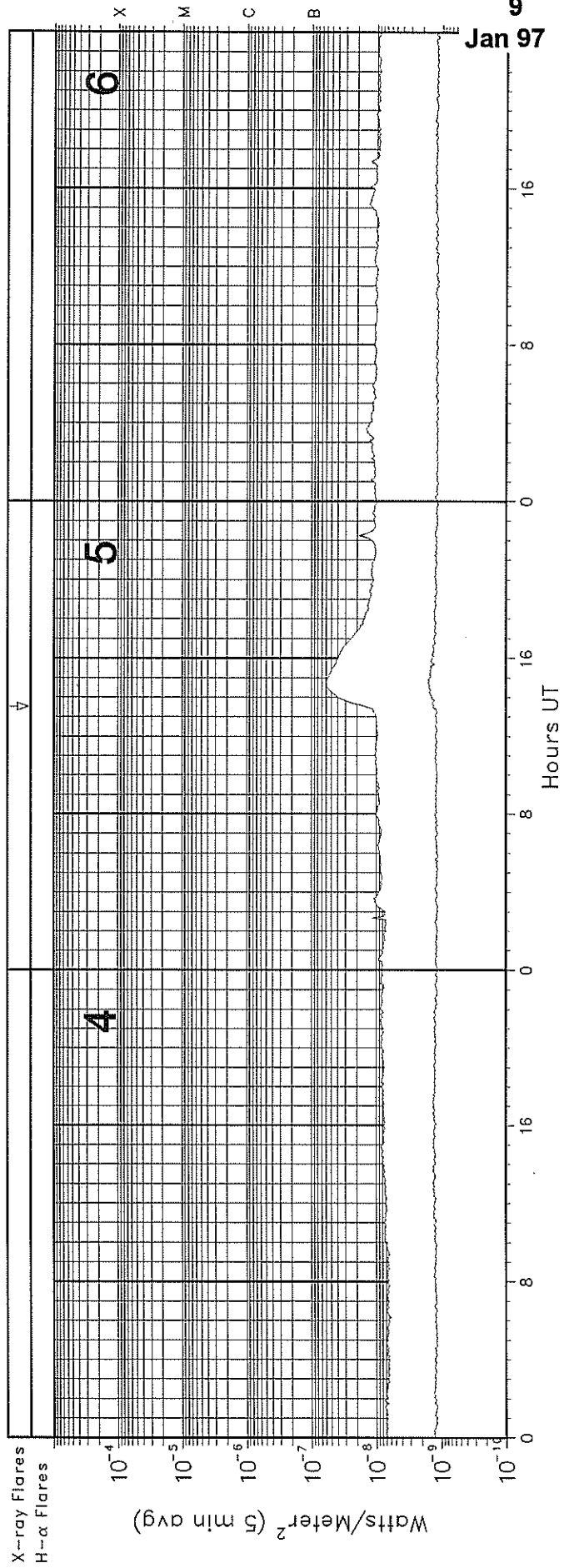
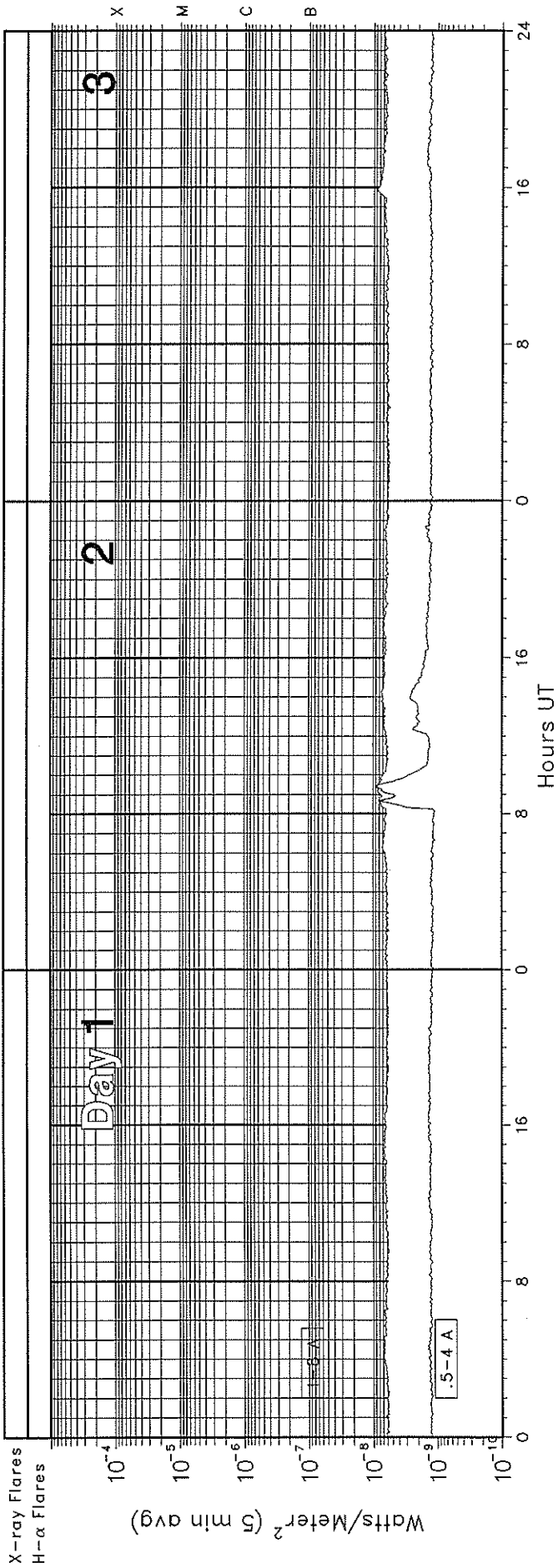
Explanation of Type Code:

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	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; Hiraïso, Japan 500 and 200 MHz; and Toyokawa, Japan 9400, 3750, 2000 and 1000 MHz.

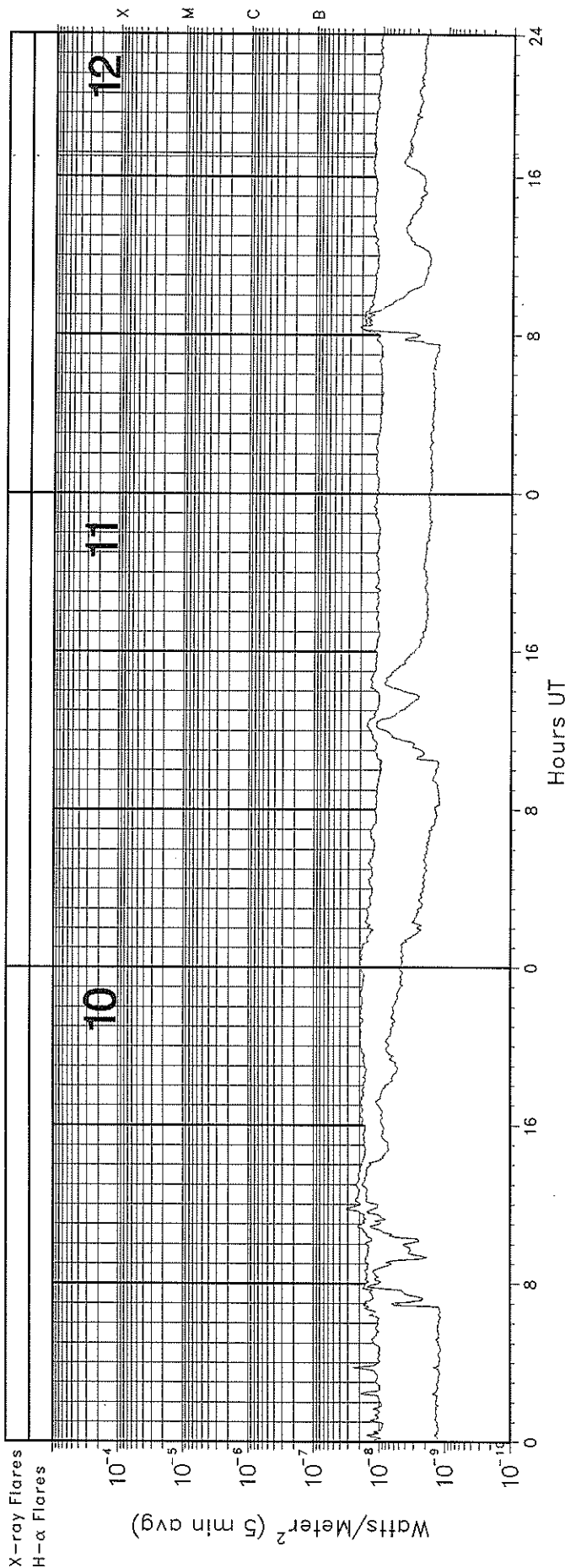
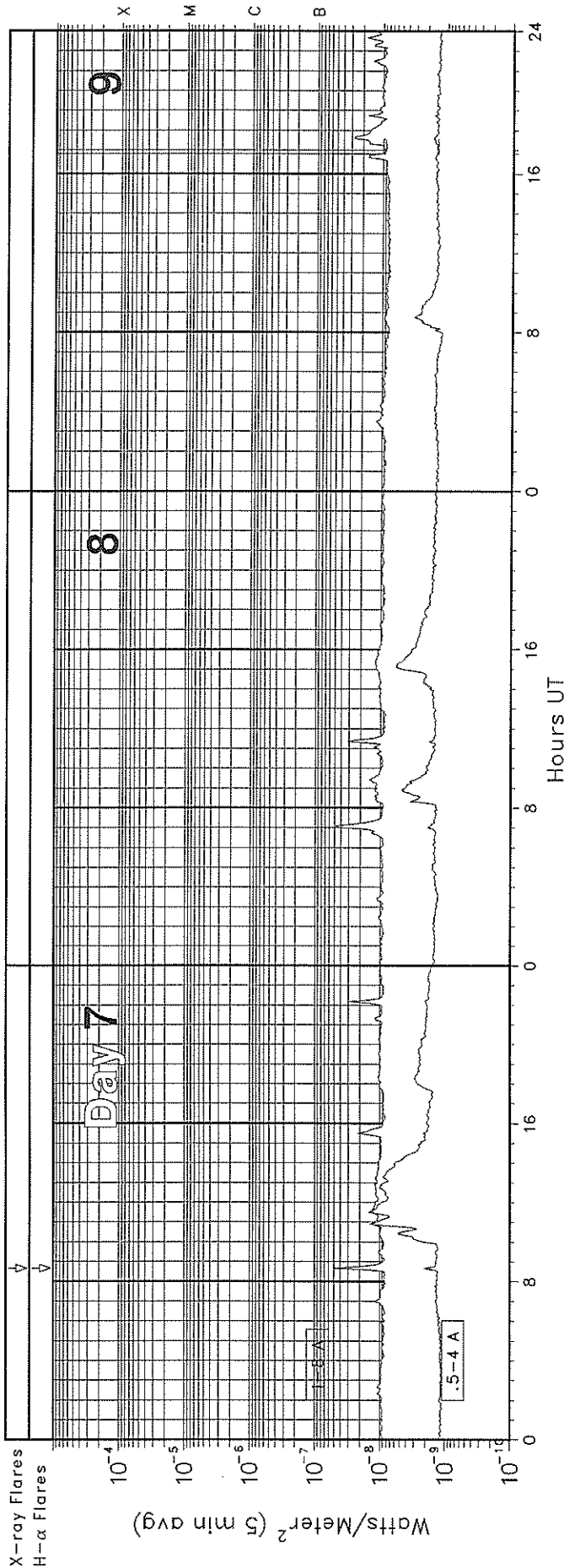
GOES-7 X-RAY DETECTOR

January 1997



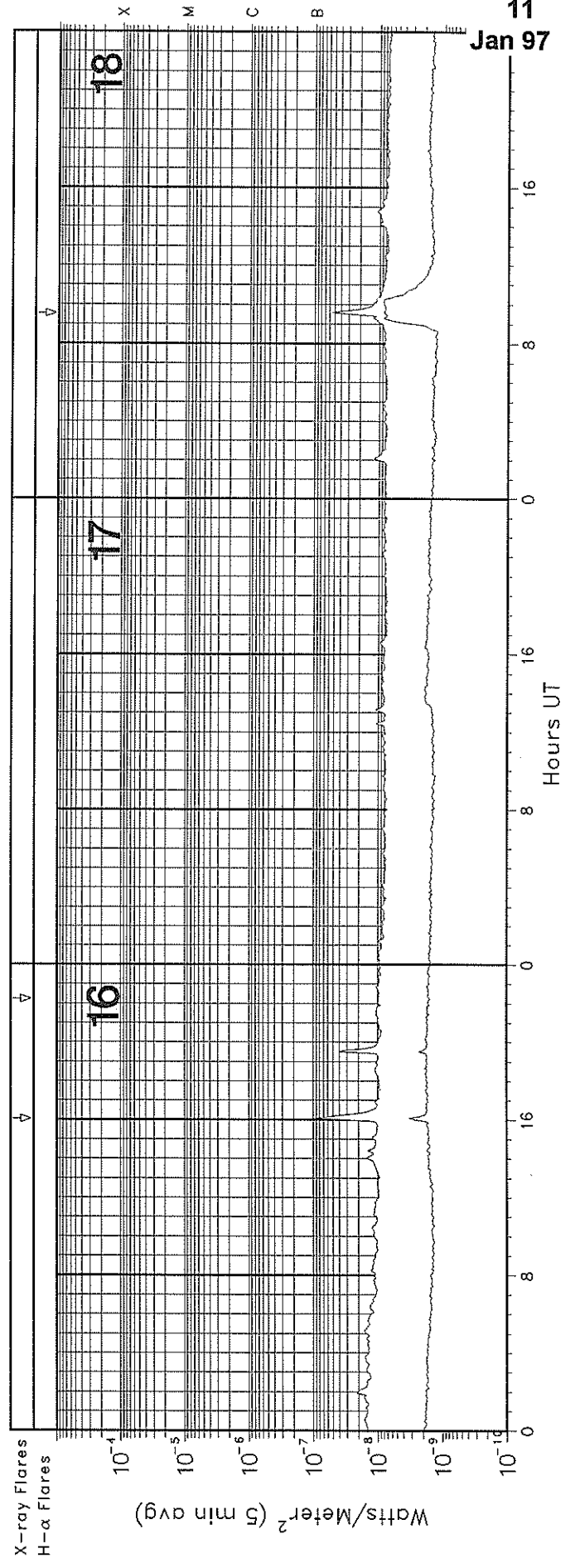
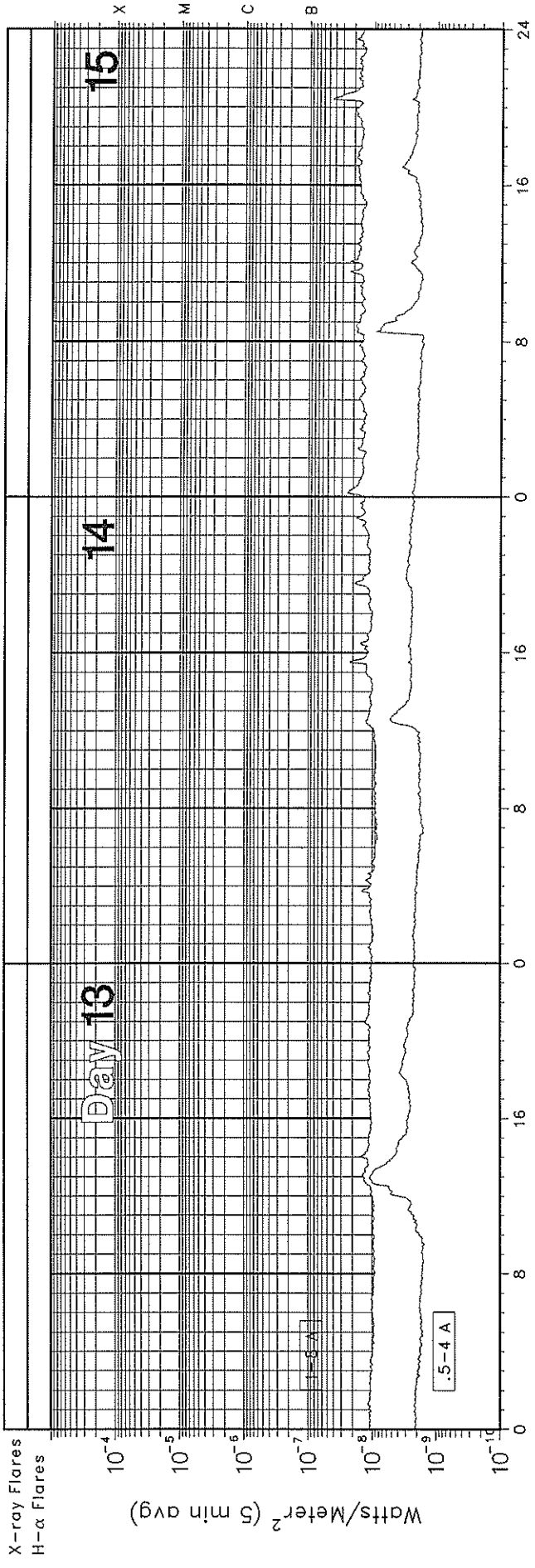
GOES-7 X-RAY DETECTOR

January 1997



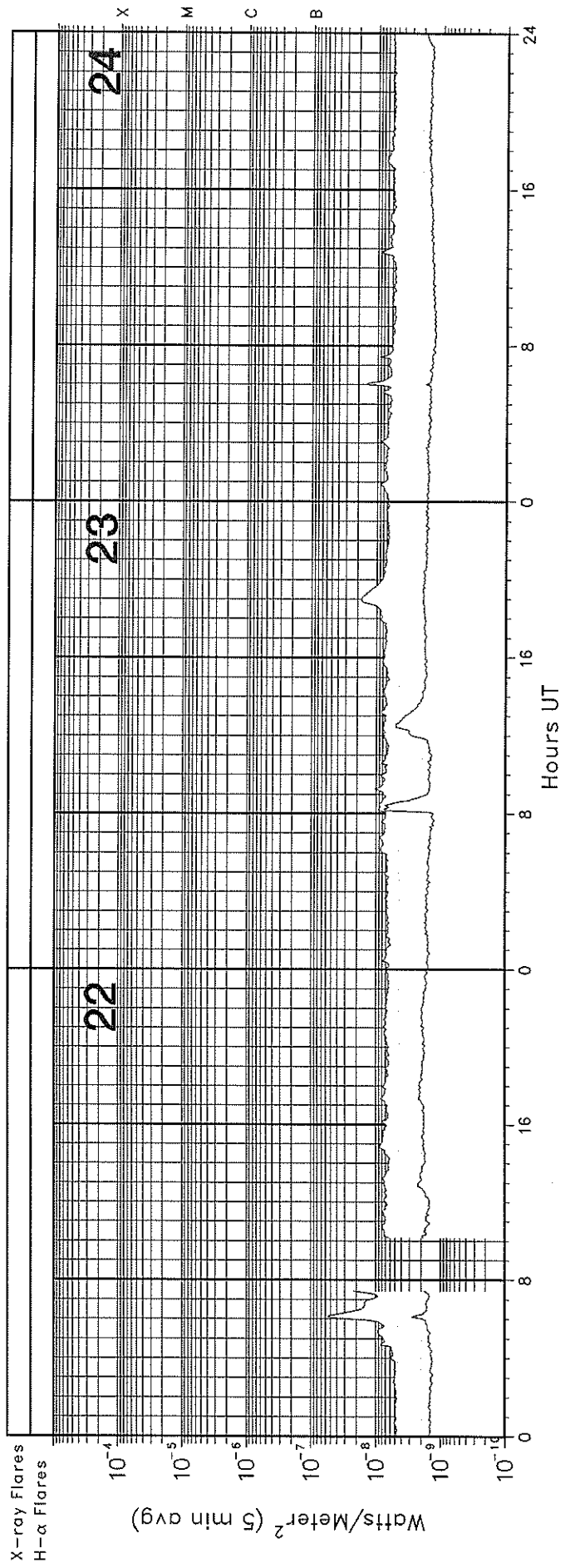
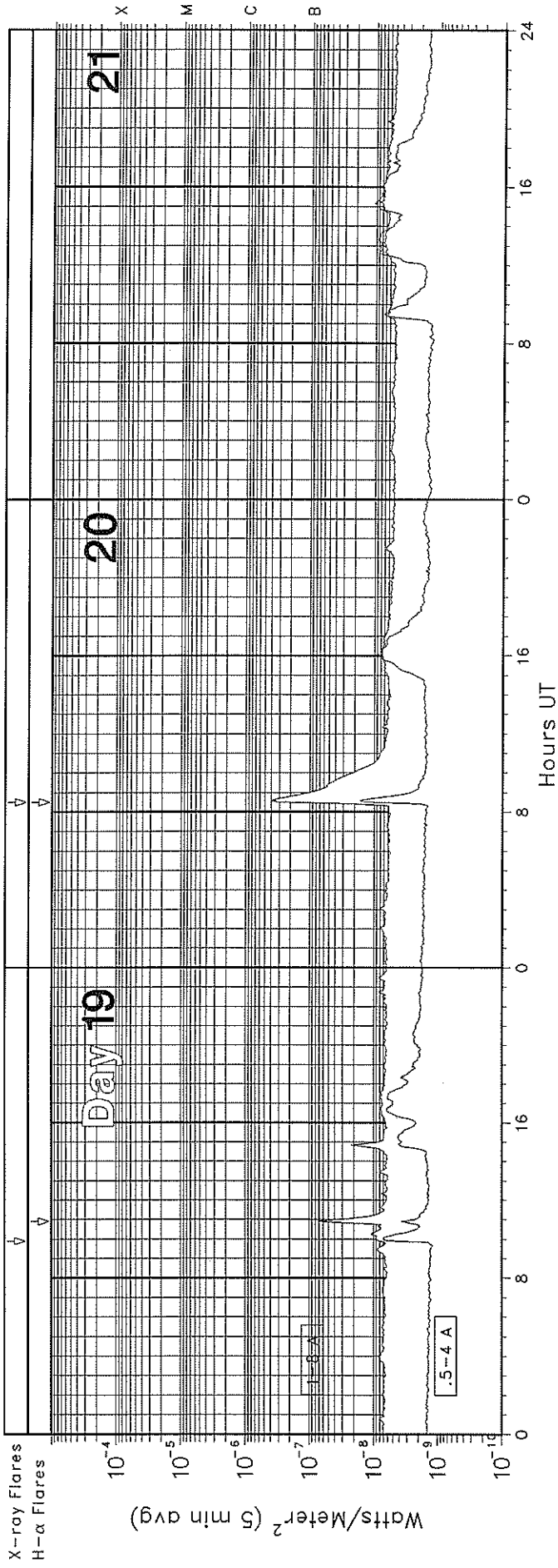
GOES-7 X-RAY DETECTOR

January 1997



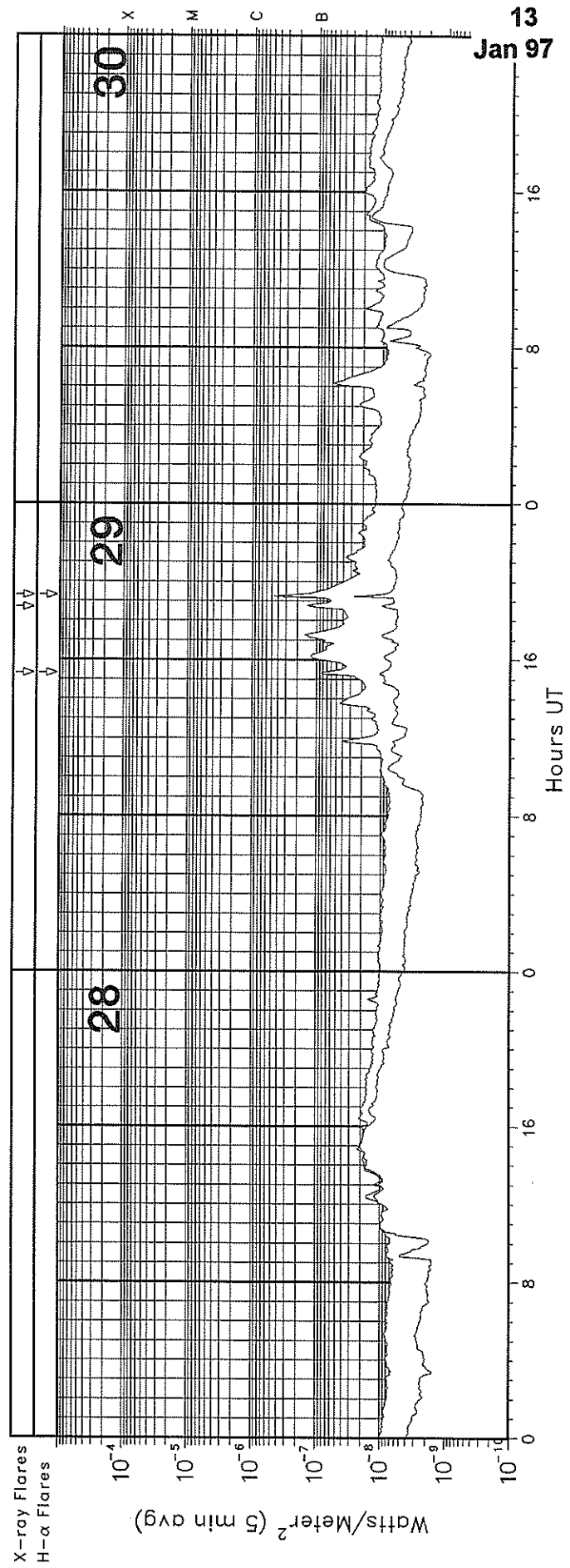
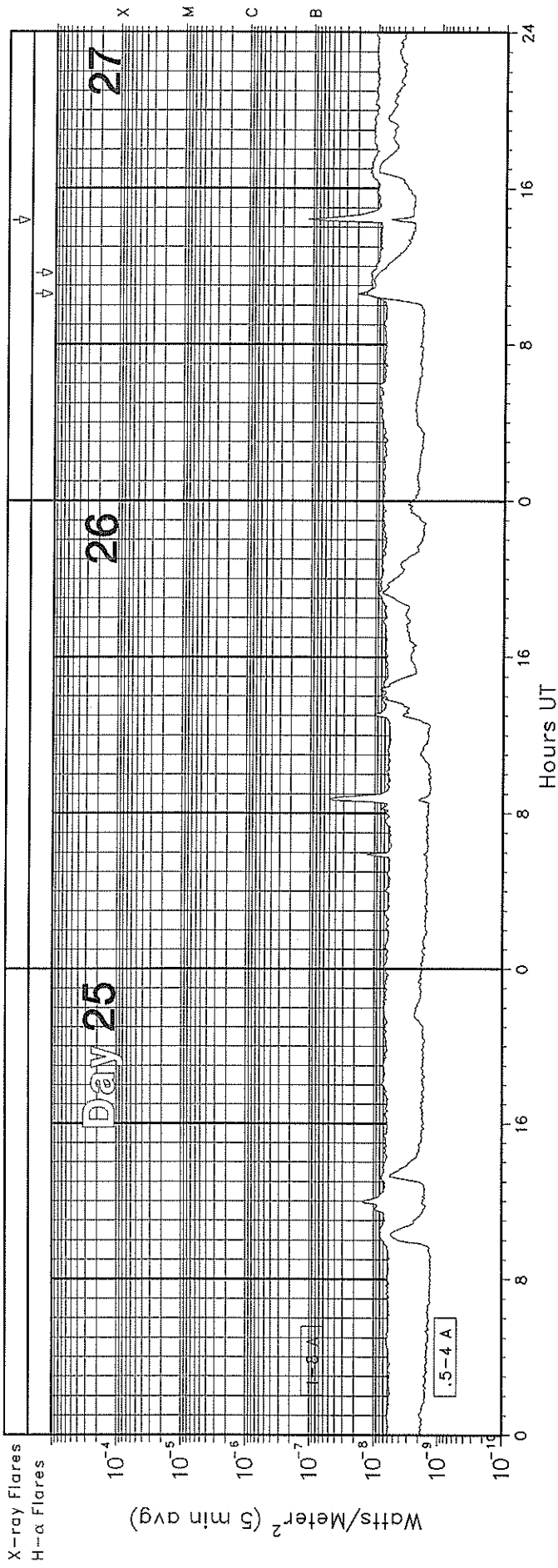
GOES-7 X-RAY DETECTOR

January 1997



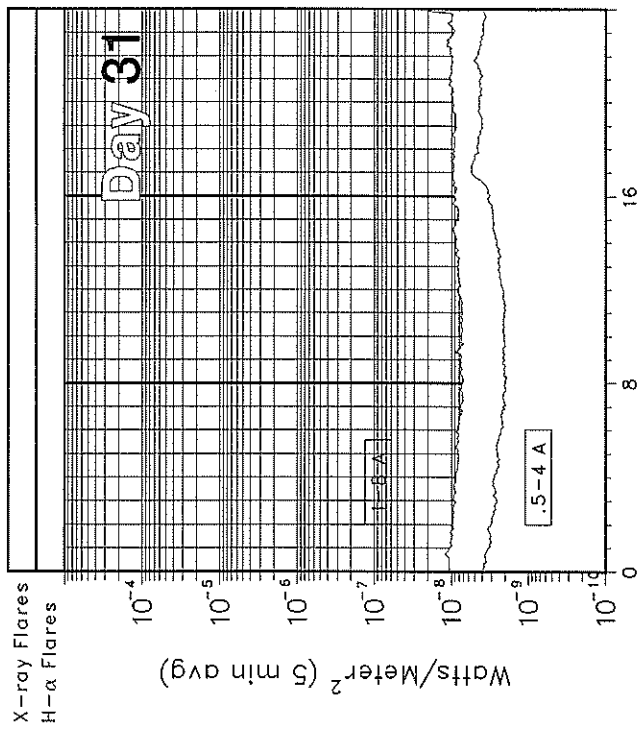
GOES-7 X-RAY DETECTOR

January 1997



GOES-7 X-RAY DETECTOR

January 1997



GOES SOLAR X-RAY FLARES
 Preliminary Listing

15
 Jan 97

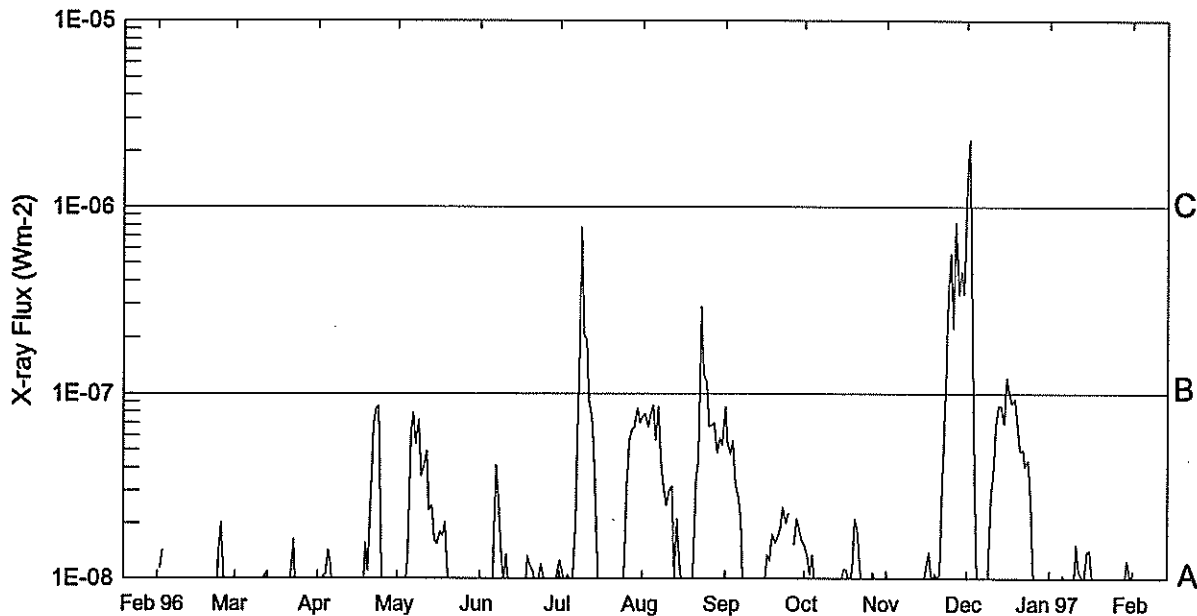
January 1997

Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	Imp Opt	Xray	NOAA/USAF Region
05	1331	1445	1610			A6.0	
07	0840	0840	0845	S01 W38	SF	A7.0	8009
16	1602	1605	1611			B1.1	
16	2213	2213	2213			A5.0	
19	0954	0957	1012			A8.1	

Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	Imp Opt	Xray	NOAA/USAF Region
20	0831	0833	0847	S04 W35	SF	B4.5	8011
27	1421	1425	1430			B1.3	
29	1518	1518	1524	N02 E42	SF	B1.0	
29	1841	1847	1853			B1.2	
29	1918E	1918U	1930	N02 E40	SF	B5.8	8015

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 Feb 96 - Jan 97



Day	Feb 96	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan 97
1	---	<A1.0	<A1.0	<A1.0	<A1.0	A1.2	A7.4	A8.5	A1.5	<A1.0	C1.3	<A1.0
2	A1.1	<A1.0	<A1.0	<A1.0	<A1.0	A1.1	A7.7	A5.5	A1.3	<A1.0	C2.3	<A1.0
3	A1.4	<A1.0	A1.0	<A1.0	<A1.0	<A1.0	A6.6	A4.7	A1.0	<A1.0	B2.4	<A1.0
4	---	<A1.0	A1.0	<A1.0	<A1.0	A1.0	A7.8	A5.5	A1.3	<A1.0	A3.7	<A1.0
5	---	<A1.0	A1.4	A1.3	<A1.0	<A1.0	A8.5	A3.2	<A1.0	<A1.0	<A1.0	<A1.0
6	---	<A1.0	A1.1	A5.9	A1.0	A1.0	A5.6	A2.7	<A1.0	<A1.0	<A1.0	A1.0
7	<A1.0	---	<A1.0	A7.8	A4.1	A1.8	A8.4	A2.1	<A1.0	<A1.0	<A1.0	<A1.0
8	<A1.0	<A1.0	<A1.0	A5.3	A2.6	B1.2	A4.0	<A1.0	<A1.0	<A1.0	<A1.0	<A1.0
9	<A1.0	<A1.0	<A1.0	A7.2	A1.4	B7.7	A3.0	<A1.0	<A1.0	<A1.0	<A1.0	<A1.0
10	<A1.0	<A1.0	<A1.0	A3.6	<A1.0	B2.0	A2.4	<A1.0	<A1.0	<A1.0	A2.7	<A1.0
11	<A1.0	<A1.0	<A1.0	A4.0	A1.3	B1.9	A3.0	<A1.0	<A1.0	<A1.0	A3.6	A1.5
12	<A1.0	A1.0	<A1.0	A4.9	<A1.0	A9.0	A3.1	<A1.0	<A1.0	<A1.0	A6.7	A1.0
13	<A1.0	A1.0	<A1.0	A2.3	<A1.0	A7.4	<A1.0	<A1.0	<A1.0	<A1.0	A8.5	A1.0
14	<A1.0	<A1.0	<A1.0	A2.4	<A1.0	A3.9	A2.1	<A1.0	<A1.0	<A1.0	A8.5	<A1.0
15	<A1.0	<A1.0	<A1.0	A1.6	<A1.0	A1.5	A1.1	<A1.0	<A1.0	<A1.0	A6.8	A1.4
16	<A1.0	<A1.0	<A1.0	A1.5	<A1.0	<A1.0	<A1.0	<A1.0	A1.1	A1.1	B1.2	A1.4
17	<A1.0	<A1.0	<A1.0	A1.8	<A1.0	<A1.0	<A1.0	A1.3	A1.1	A1.3	B1.0	<A1.0
18	<A1.0	<A1.0	<A1.0	A1.7	<A1.0	<A1.0	<A1.0	A1.2	<A1.0	<A1.0	A8.9	<A1.0
19	<A1.0	<A1.0	A1.5	A2.0	A1.3	<A1.0	<A1.0	A1.7	A1.1	A1.0	A9.2	<A1.0
20	---	<A1.0	A1.1	A1.0	A1.1	<A1.0	A1.0	A1.5	A2.1	A1.0	A6.7	<A1.0
21	<A1.0	<A1.0	A3.0	<A1.0	A1.1	<A1.0	A3.3	A1.7	A1.8	A1.0	A4.9	<A1.0
22	<A1.0	A1.0	A6.8	<A1.0	<A1.0	<A1.0	A4.3	A1.8	A1.2	A3.3	A4.9	<A1.0
23	<A1.0	A1.6	A8.3	<A1.0	<A1.0	<A1.0	B2.9	A2.4	<A1.0	B1.0	A4.0	<A1.0
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25	A2.0	<A1.0	A1.0	<A1.0	A1.0	<A1.0	B1.1	A2.2	<A1.0	B5.5	A2.6	<A1.0
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27	---	<A1.0	<A1.0	<A1.0	<A1.0	A5.5	A6.7	A1.5	A1.0	B8.2	<A1.0	<A1.0
28	<A1.0	<A1.0	<A1.0	<A1.0	<A1.0	A6.4	A6.9	A2.1	<A1.0	B3.3	<A1.0	<A1.0
29	<A1.0	<A1.0	<A1.0	<A1.0	<A1.0	A6.5	A4.7	A1.8	<A1.0	B4.5	<A1.0	<A1.0
30	---	<A1.0	<A1.0	<A1.0	A1.0	A8.3	A5.7	A1.6	<A1.0	B3.4	<A1.0	A1.2
31		<A1.0		<A1.0		A7.0	A5.2		<A1.0		<A1.0	<A1.0

ACTIVE PROMINENCES AND FILAMENTS

17
Jan 97

JANUARY 1997

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	AFS	0900E	1416	N05	W07	12	31.8		01	7	7	E	SVTO		
01	ADF	1819E	2144	S25	E63	01	6.6	1	08	8	9	E	RAMY		
02	ADF	0325E	0000	S23	E53	01	6.2	1	10	9	9	E	LEAR	5931	
02	ADF	0325E	1045	S31	E59	01	6.8	1	10	9	9	E	LEAR		
03	ADF	0035E	0800D	S28	E45	01	6.5	1	06	6	5	E	LEAR		
04	AFS	0415E	1050	N20	W11	01	3.3		01	7	7	E	LEAR		
04	AFS	1155E	2127	S01	E01	01	4.6		01	9	9	E	RAMY	8009	
04	AFS	1345E	1417	S02	E00	01	4.6		01	8	8	E	SVTO		
04	AFS	1450E	2036	S02	E00	01	4.6		01	9	9	E	HOLL	8009	
04	AFS	2236E	1042	S02	W05	01	4.6		01	8	9	E	LEAR	8009	
05	DSF	0704U	2300U	S20	E10	01	6.0	2	09	0	0	E	LEAR		
05	AFS	0830E	1515	S02	W10	01	4.6		02	7	8	E	SVTO	8009	
05	AFS	1218E	2119	S02	W11	01	4.7		01	9	9	E	RAMY	8009	
05	DSF	1357U	2300U	S19	E06	01	6.0	2	07	0	0	E	SVTO		
05	AFS	1450E	2036	S02	E00	01	5.6		01	9	9	E	HOLL	8009	
05	DSF	2119U	1113U	S17	E05	01	6.3	2	05	0	0	E	RAMY		
05	AFS	2235E	0328	S03	W20	01	4.4		02	7	7	E	PALE	8009	
06	AFS	0630E	1043	S03	W23	01	4.5		02	9	8	E	LEAR	8009	
06	AFS	1132E	2043	S03	W23	01	4.8		01	9	9	E	RAMY	8009	
06	ADF	1301E	2043	S34	E03	01	6.8	1	08	9	6	E	RAMY		
06	DSF	1301U	1453U	S23	W03	01	6.3	3	13	0	0	E	RAMY		
06	AFS	1749E	2354	S02	W30	01	4.5		02	7	7	E	PALE	8009	
06	ADF	1749E	2354	S33	W03	01	6.5		05	6	7	E	PALE		
07	AFS	0747E	0852	S02	W36	01	4.6		01	9	9	E	SVTO	8009	
07	AFS	1217E	1425D	S03	W38	01	4.7		01	4	5	E	RAMY	8009	
09	DSF	1021U	0018U	S36	E38	01	12.5	2	18	0	0	E	LEAR		
09	AFS	1515E	2120	N37	W44	01	6.1		01	9	9	E	RAMY		
09	AFS	1715E	0005	N38	W45	01	6.1		01	9	9	E	HOLL	8010	
09	AFS	2310E	1045	N40	W47	01	6.1		02	9	9	E	LEAR	8010	
10	ADF	0515E	1015D	N20	E07	01	10.7	1	20	4	5	E	LEAR		
10	DSF	0515U	1015U	N21	E15	01	11.4	2	12	4	5	E	LEAR		
10	DSF	0515U	1015U	N21	E15	01	11.4	2	12	4	5	E	LEAR		
10	ADF	1015E	1045	N20	E07	01	11.0	1	08	4	5	E	LEAR		
10	AFS	1336E	2058	N38	W56	01	6.0		01	9	9	E	RAMY	8010	
11	AFS	1505E	0006	N38	W58	01	6.9		01	9	9	E	HOLL	8010	
11	AFS	1920E	0403	N40	W60	01	6.9		02	9	9	E	PALE	8010	
12	ASR	0959E	1046	N39	W75	01	6.3			9	8	E	LEAR	8010	
12	ASR	1117E	1856D	N90	W39	01	8.8			6	9	E	RAMY	8010	
12	ASR	1257E	1454	N44	W77	01	6.2			7	7	E	SVTO	8010	
12	DSF	1310U	0710U	S06	W14	01	11.5		08	0	0	E	SVTO		
12	DSF	1310U	0710U	S26	E20	01	14.1		10	0	0	E	SVTO		
12	DSF	1843U	1140U	S26	E18	01	14.2	2	21	0	0	E	RAMY		
13	ASR	0829E	0940D	S32	W90	01	6.2			7	7	E	SVTO		
13	DSF	1048U	2222U	S35	E42	01	16.8	2	15	0	0	E	LEAR		
13	ADF	1239E	1455D	S37	E44	01	17.1	1	13	7	3	E	RAMY		
13	DSF	1339U	1455U	S37	E44	01	17.1	2	13	7	3	E	RAMY		
13	ASR	1413E	1510D	S33	W90	01	6.4			8	9	E	RAMY		
14	DSD	1450E	1642D	S04	E03	01	14.8		01	9	9	E	RAMY		
14	BSD	1530E	1548D	S23	E81	01	20.9		02	7	9	E	RAMY		
14	DSF	1949U	1158U	N31	W27	01	12.7	2	05	0	0	E	RAMY		
14	AFS	2242E	1033	S07	E38	01	17.8		01	9	9	E	LEAR		
15	AFS	0728E	1345	S05	E33	01	17.8		02	9	9	E	SVTO		
15	AFS	1220E	2200	S07	E30	01	17.8		02	8	9	E	RAMY	8011	
16	AFS	0110E	0615D	S24	E61	01	20.8		01	9	9	E	LEAR		
17	DSD	1120E	1158D	S05	E02	01	17.6		01	8	8	E	RAMY	8011	

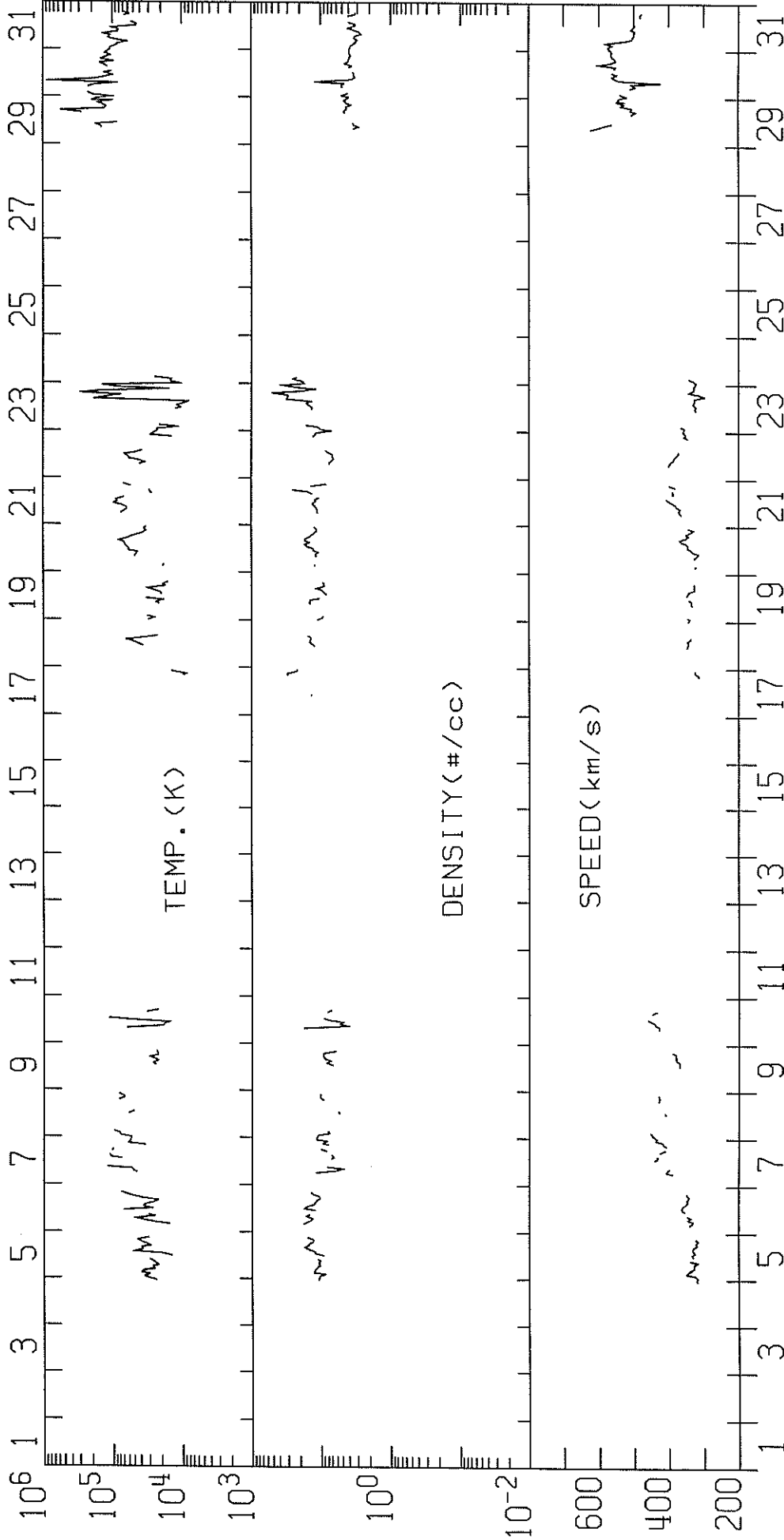
ACTIVE PROMINENCES AND FILAMENTS

JANUARY 1997

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
17	AFS	1155E	2001D	S07	E04	01 17.8		01	7	9	E	RAMY	8011	
17	DSD	1752E	1906D	S08	E00	01 17.7		02	4	7	E	RAMY	8011	
18	DSD	1324E	1423D	S20	E27	01 20.6		01	9	9	E	RAMY		
18	DSD	1801E	1910D	S08	W15	01 17.6		01	3	9	E	RAMY	8011	
18	DSF	2131U	1200U	S08	W15	01 17.8	2	04	0	0	E	RAMY	8011	
19	AFS	0416E	0931	N26	E52	01 23.2		02	9	9	E	LEAR		
19	AFS	0830E	1508	S07	W22	01 17.7		02	9	9	E	SVTO	8011	
19	AFS	0840E	1444D	N25	E49	01 23.1		01	9	9	E	SVTO		
19	AFS	1340E	1345	N28	E49	01 23.4		01	9	9	E	RAMY		
19	DSD	1901	1927	S03	W28	01 17.7		02	0	0	E	HOLL	8011	
19	ADF	2315E	1028	S05	W30	01 17.7	1	05	9	9	E	LEAR	8011	
20	DSF	1321U	0711U	S41	E23	01 22.4	2	04	0	0	E	SVTO		
20	ADF	2007E	2126	S07	W39	01 17.9	1	04	7	6	E	RAMY	8011	
20	DSD	2029E	2126	S10	E09	01 21.5		01	9	9	E	RAMY		
20	DSD	2046E	2101D	S27	W13	01 19.8		01	9	9	E	PALE	8012	
21	DSF	0146	0216	S12	E13	01 22.0	2	03	0	0	E	LEAR		
21	DSD	0201E	0232D	S09	E05	01 21.4		01	0	0	E	LEAR		
21	ADF	0220E	0530D	S04	W42	01 17.9	1	02	5	9	E	LEAR	8011	
21	ADF	0225E	0530D	S33	E35	01 23.9	1	03	8	7	E	LEAR	8013	
21	DSD	1114E	1137D	S10	W02	01 21.3		01	9	9	E	SVTO		
21	DSD	1411E	1427	N26	W23	01 19.8		03	8	8	E	SVTO	8012	
24	ADF	1300E	1536	S15	E57	01 28.8	1	08	9	8	E	RAMY	8014	
24	ADF	1540	1804	S11	E60	01 29.2	1	02	9	9	E	HOLL	8014	
24	ADF	1754E	0219	S14	E59	01 29.2	1	02	7	7	E	PALE	8014	
25	DSD	1137E	1500D	S14	E56	01 29.7		02	9	9	E	RAMY	8014	
25	AFS	1138E	1443D	S13	E54	01 29.5		01	6	5	E	RAMY	8014	
25	DSD	1141E	1331	S15	E55	01 29.6		02	9	9	E	SVTO	8014	
25	DSD	1202E	1351D	S13	E51	01 29.3		02	9	9	E	RAMY	8014	
25	DSD	1350E	1500D	S16	E56	01 29.8		02	9	9	E	RAMY	8014	
25	DSD	1553E	2119D	S14	E53	01 29.7		01	8	9	E	RAMY	8014	
25	ADF	1623E	1949D	S18	E50	01 29.5	1	03	8	9	E	RAMY	8014	
26	AFS	0030E	1006	S17	E45	01 29.4		02	9	9	E	LEAR	8014	
26	DSD	1536E	1803D	S11	E36	01 29.3		02	9	9	E	RAMY	8014	
26	DSD	1714E	1846D	S17	E40	01 29.7		01	9	9	E	RAMY	8014	
27	DSF	1026U	0215U	N51	W09	01 26.7		10	0	0	E	LEAR		
27	DSD	1214E	1623D	S15	E29	01 29.7		02	9	9	E	RAMY	8014	
28	ADF	1324E	1630D	N42	W48	01 24.6	1	21	3	4	E	RAMY		
28	DSD	1341E	1555D	N03	E00	01 28.6		01	3	3	E	RAMY		
28	AFS	1445E	0021	S13	E12	01 29.5		01	9	8	E	HOLL	8014	
28	AFS	1730E	2204	N18	E47	02 1.3		01	8	8	E	RAMY		
29	ADF	0915E	1222D	S12	E02	01 29.5	1	02	5	5	E	SVTO	8014	
29	DSD	0918E	1547	N03	E43	02 1.6		02	9	9	E	SVTO		
29	DSD	1235E	2000D	N04	E41	02 1.6		02	9	8	E	RAMY	8015	
29	AFS	1430E	1547	N02	E40	02 1.6		01	9	9	E	SVTO		
29	AFS	1545E	2204	N01	E39	02 1.6		01	9	9	E	RAMY	8015	
29	DSD	2040E	2113D	N04	E34	02 1.4		01	9	9	E	RAMY	8015	
30	DSD	0430E	0858D	N02	E32	02 1.6		05	5	0	E	LEAR	8015	Normal Emission 1/3
30	AFS	0606E	1009	N03	E31	02 1.6		02	9	9	E	LEAR	8015	
30	DSD	1040E	1210D	N02	E26	02 1.4		03	9	9	E	SVTO	8015	
30	AFS	1322E	2145	N04	E27	02 1.6		01	4	4	E	RAMY	8015	
30	AFS	1405E	1547	N03	E26	02 1.5		02	9	9	E	SVTO	8015	
31	DSD	0432E	0448D	N02	E16	02 1.4		01	0	0	E	LEAR	8015	
31	ADF	0830E	1350	N03	E17	02 1.6	1	05	9	9	E	SVTO	8015	
31	AFS	1140E	1731D	N04	E14	02 1.5		01	9	9	E	RAMY	8015	
31	AFS	1201E	1350	N04	E14	02 1.5		02	9	9	E	SVTO	8015	
31	ADF	1934E	1936	N00	E11	02 1.6	1	03	9	9	E	RAMY	8015	

IMP 8 SOLAR WIND PLASMA
JANUARY 1997

MIT/CSR IMP 8 PLASMA PARAMETERS



JAN 1997

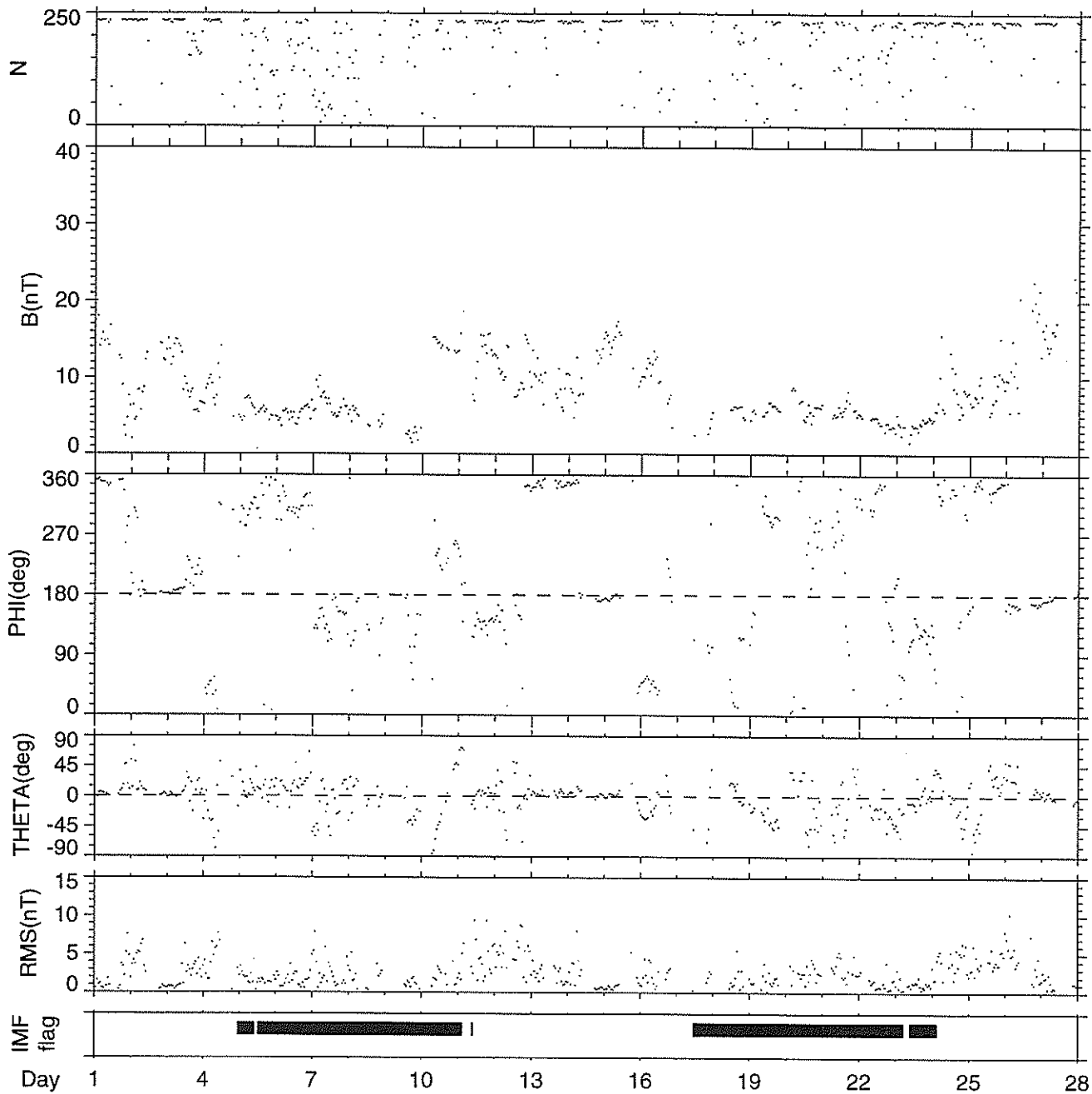
JAN 1997

IMP-8 Magnetic Field Data in GSE Coordinates

1 Hour Averages

(c) DOY 1 - 28

January 1 1997 - January 28 1997



Generation Date : Thu Jun 12 08:13:13 1997

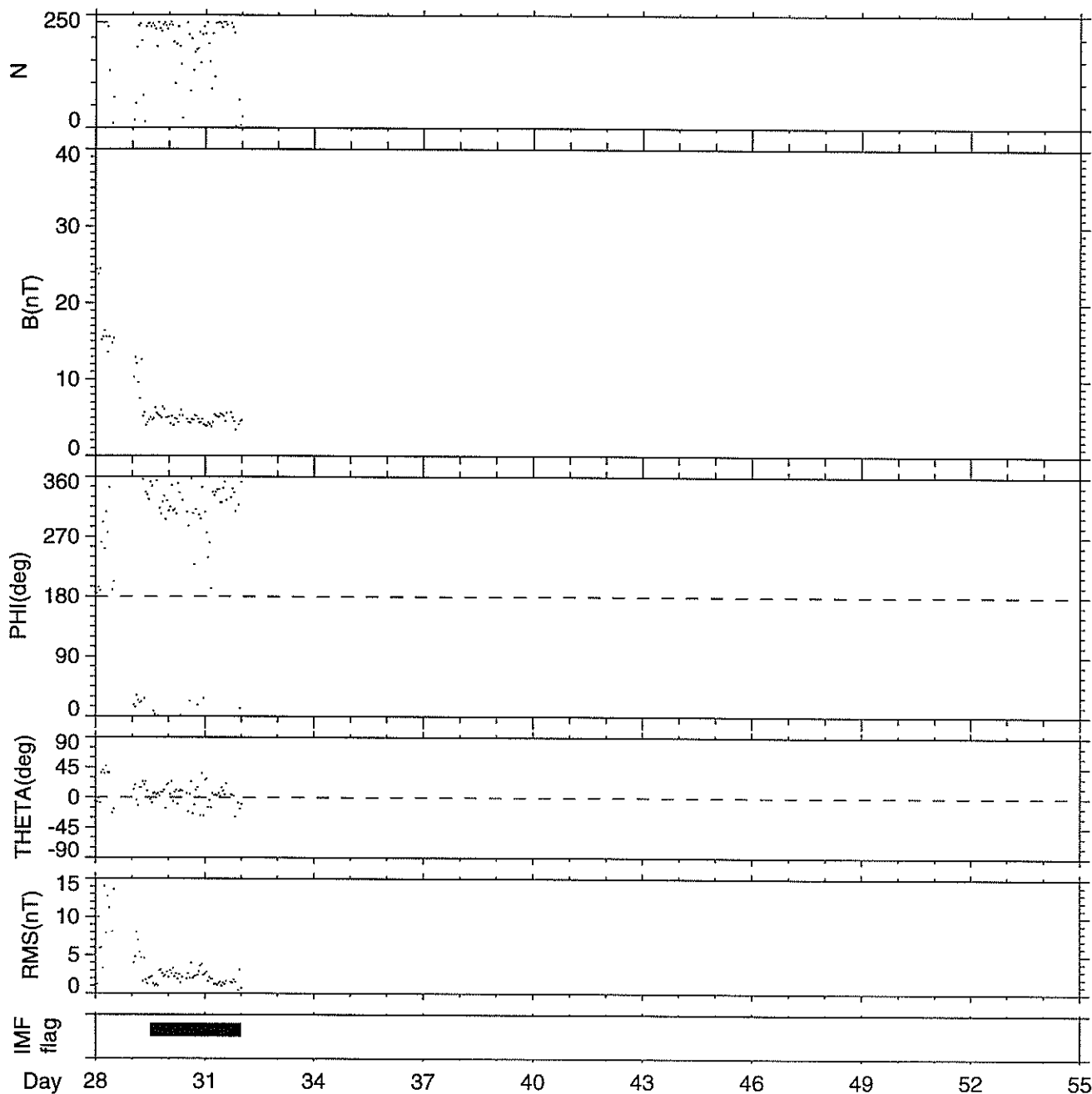
NOTE: The IMF "flag" (black boxes at the bottom of the plots) indicates where the interplanetary magnetic field regions are according to a dynamic model of the location of the bow shock. At all other times IMP-8 is in the magnetosphere.

IMP-8 Magnetic Field Data in GSE Coordinates

1 Hour Averages

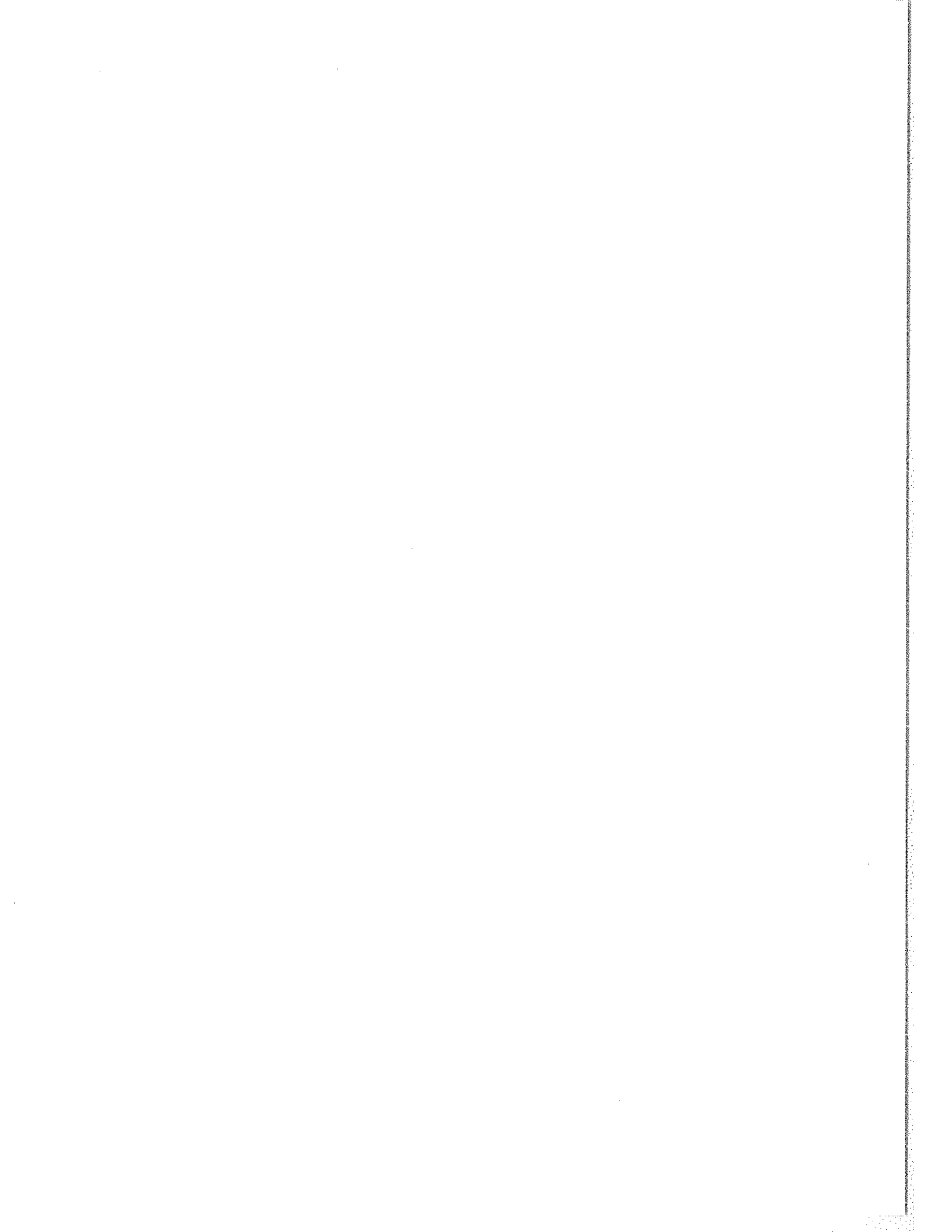
(c) DOY 28 - 32

January 28 1997 - February 1 1997



Generation Date : Thu Jun 12 08:13:14 1997

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.



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MISCELLANEOUS DATA

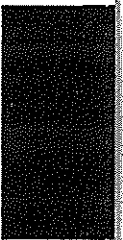
Page

*******NEW DATA*******

FLARE INDEX OF SOLAR ACTIVITY January 1986-October 1996

Descriptive Text and Graph 24-25

Tables for October 1991-December 1996 26-58



FLARE INDEX

Kleczek (1952) first introduced the quantity " $Q = i \times t$ " to quantify the daily flare activity over 24 hours per day. He assumed that this relationship gives roughly the total energy emitted by the flares. In this relation, "i" represents the intensity scale of importance and "t" the duration (in minutes) of the flare. Some reviews of flare activity using Kleczek's method are given for each day from 1936 to 1986 by Kleczek (1952), Knoska and Letfus (unpublished), Knoska and Petrasek (1984), Atac (1987) and Atac and Ozguc (1986-1995). The daily flare index for the 22nd Solar Cycle was determined by using the final grouped solar flares which are compiled by NGDC (National Geophysical Data Center). It is calculated for each flare using the formula:

$$Q = (i \times t)$$

where "i" is the importance coefficient of the flare as shown in Table 1, and "t" is the duration of the flare in minutes.

Table 1

Importance	i	Importance	i
SF,SN,SB	0.5	2B	2.5
1F,1N	1.0	3N,3F,4F	3.0
1B	1.5	3B,4N	3.5
2F,2N	2.0	4B	4.0

To obtain final daily values, the daily sums of the index for the northern and southern hemispheres and for the total surface are divided by the total time of observation of that day calculated from Solar-Geophysical Data, Comprehensive Reports solar flare list.

January 1986-October 1996 flare index data are produced by: Dr. Tamer Atac and Dr. Atila Ozguc, Bogazici University, Kandilli Observatory and Earthquake Research Institute, Cengelkoy-81220 Istanbul, Turkey, e-mails: atac@boun.edu.tr and ozguc@boun.edu.tr, fax: 90-216-3321711, phone: 90-216-3080514

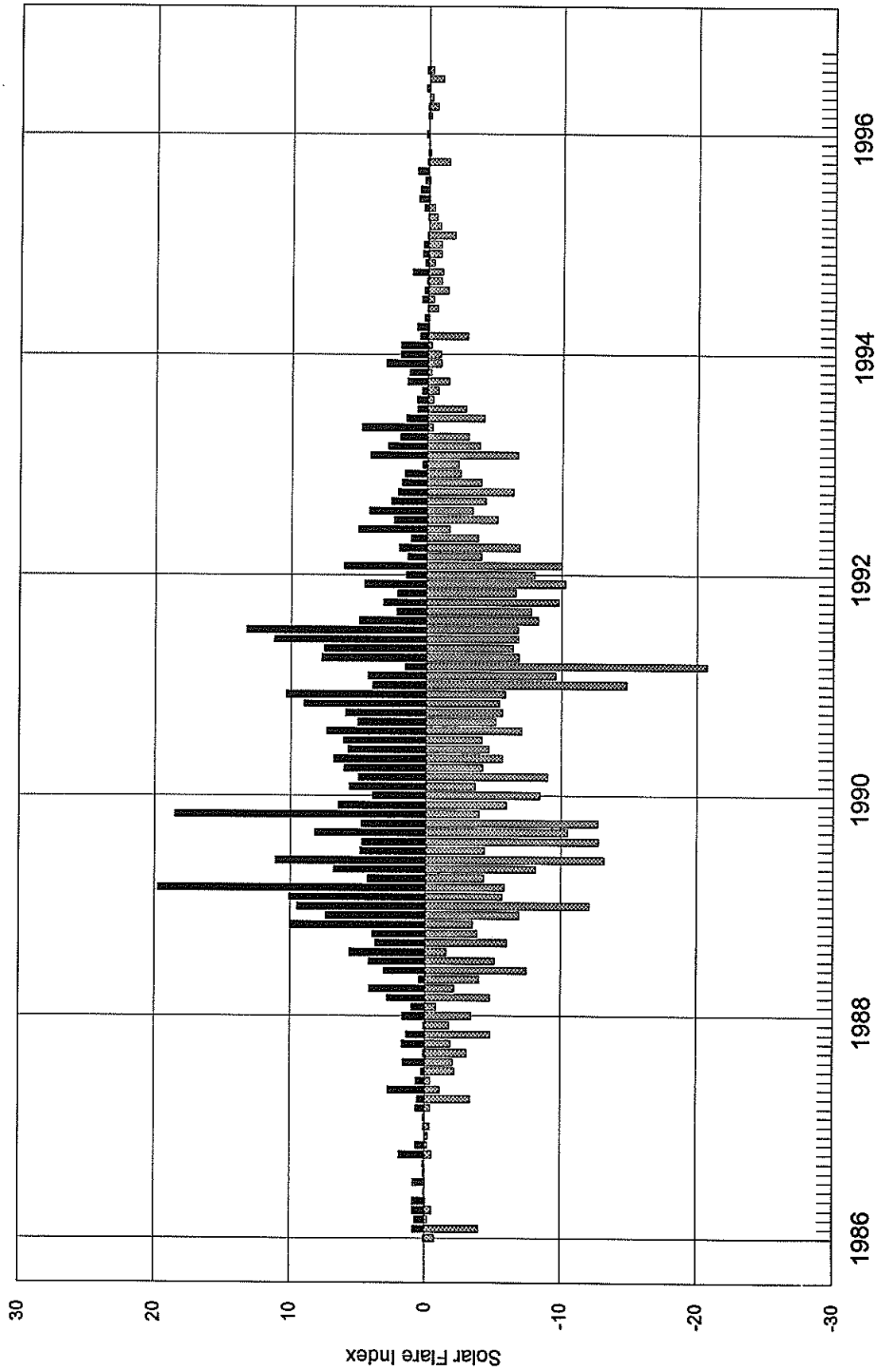
REFERENCES

- Atac, T.: 1987, *Astrophys. Space Sci.* **135**, 201.
Kleczek, J.: 1952, *Publ. Inst. Centr. Astron.*, No. **22**, Prague.
Knoska, S and Petrasek, J.: 1984, *Contr. Astron. Obs. Skalnaté Pleso* **12**, 165.

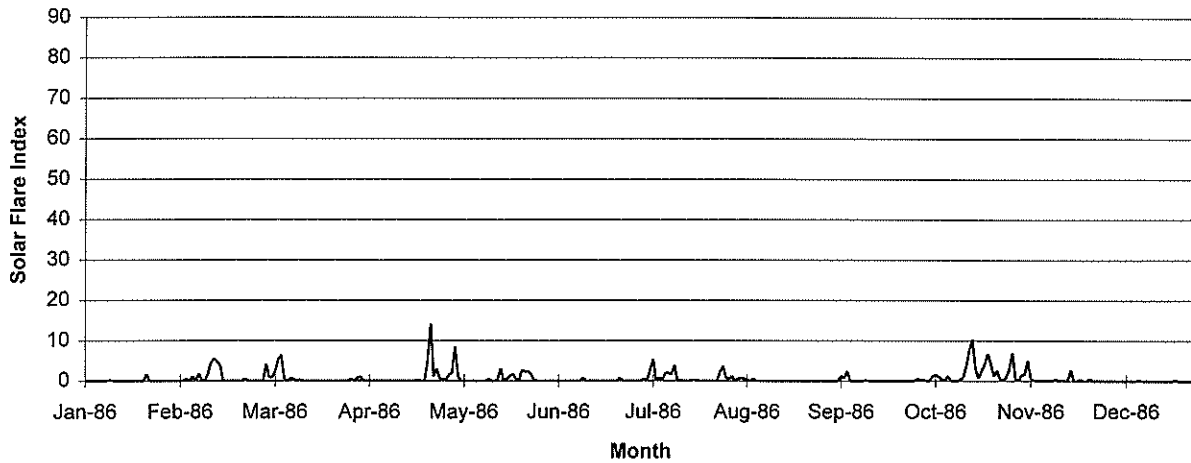
ACKNOWLEDGMENTS

The authors would like to thank H.E. Coffey and E.H. Erwin, WDC-A for Solar-Terrestrial Physics, NOAA E/GC2, Broadway 325, Boulder, CO, 80303, who made available the grouped flare lists. A digital version of these data are available at www.ngdc.noaa.gov/stp in the Solar and Upper Atmosphere databases section.

Monthly Mean Flare Index Jan 1986 - Oct 1996



Flare Index of Solar Activity Northern Hemisphere 1986

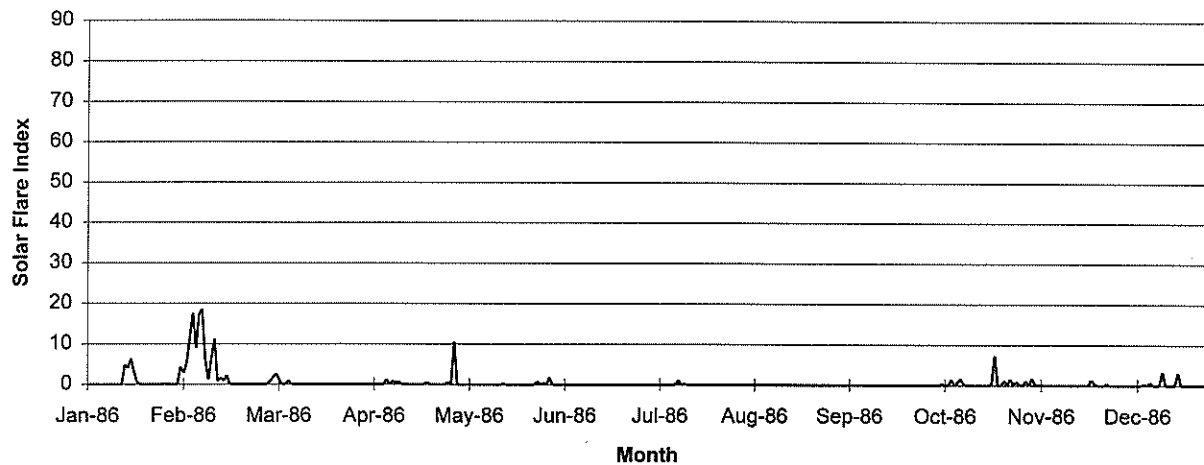


Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	4.22	1.03	2.02	0.00	0.00	1.17	0.00	0.51	6.98	0.00
2	0.00	0.00	0.91	0.00	8.60	0.00	0.00	0.00	0.00	0.25	0.61	0.00
3	0.00	0.46	0.85	0.00	1.08	0.00	0.50	0.63	0.00	0.34	0.00	0.00
4	0.00	0.00	2.49	0.00	0.00	0.00	0.00	0.74	0.00	0.00	1.55	0.00
5	0.00	1.08	5.34	0.00	0.00	0.00	2.67	0.54	0.00	0.00	1.58	0.00
6	0.00	0.11	6.47	0.00	0.00	0.00	5.36	0.19	1.23	1.17	5.06	0.00
7	0.00	1.71	0.37	0.00	0.00	0.00	0.21	0.00	0.70	1.54	0.41	0.00
8	0.00	0.21	0.00	0.00	0.00	0.00	0.83	0.55	2.46	1.13	0.21	0.00
9	0.25	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00
10	0.00	1.88	0.43	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00	0.00
11	0.00	4.50	0.00	0.00	0.00	0.00	2.00	0.00	0.00	1.34	0.00	0.00
12	0.00	5.52	0.31	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00	0.11
13	0.00	4.79	0.00	0.00	0.38	0.71	3.91	0.00	0.00	0.10	0.13	0.00
14	0.00	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.33	0.45	0.00
16	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.88	0.00	0.00
17	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	3.58	0.23	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.56	0.00	0.00
19	0.00	0.00	0.00	0.00	0.55	0.00	0.20	0.00	0.00	10.29	0.02	0.00
20	0.00	0.00	0.00	0.17	1.19	0.00	0.19	0.00	0.00	3.33	2.74	0.00
21	1.70	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00	0.61	0.00	0.00
22	0.00	0.53	0.00	0.00	0.45	0.00	0.00	0.00	0.00	2.58	0.00	0.00
23	0.00	0.00	0.00	4.85	0.17	0.00	0.00	0.00	0.00	4.08	0.30	0.00
24	0.00	0.00	0.00	14.35	2.70	0.00	0.00	0.00	0.00	6.85	0.00	0.17
25	0.00	0.00	0.00	1.13	2.26	0.69	0.00	0.00	0.00	4.42	0.00	0.00
26	0.00	0.00	0.00	3.06	2.47	0.00	0.00	0.00	0.00	1.20	0.49	0.00
27	0.00	0.00	0.00	0.60	1.58	0.00	0.00	0.00	0.00	2.56	0.00	0.00
28	0.00	0.00	0.00	0.40	0.19	0.00	2.08	0.00	0.00	0.63	0.00	0.00
29	0.00	0.00	0.47	0.21	0.00	0.00	3.65	0.00	0.00	0.17	0.00	0.00
30	0.00	0.00	0.00	1.50	0.00	0.00	0.83	0.00	0.00	0.87	0.00	0.00
31	0.00	0.00	0.74	0.00	0.00	0.00	0.48	0.00	0.00	3.00	0.00	0.00
Mean	0.06	0.88	0.75	0.91	0.92	0.05	0.86	0.12	0.15	1.92	0.69	0.01

Yearly Mean = 0.61

Flare Index of Solar Activity Southern Hemisphere 1986

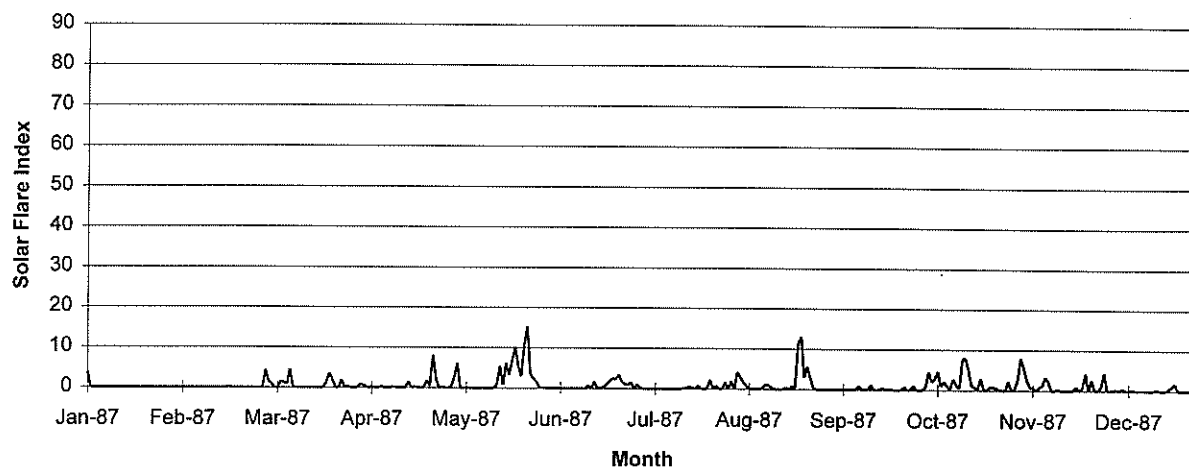
27
Misc



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	2.88	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	5.45	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00
3	0.00	11.57	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	17.64	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00
5	0.00	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	17.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.15	0.00
7	0.00	18.58	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	6.19	0.00	1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00
10	0.00	6.46	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
11	0.00	11.17	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00
12	0.00	0.81	0.00	0.67	0.00	0.00	1.13	0.00	0.00	1.58	0.00	0.72
13	4.87	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00
14	4.12	0.84	0.00	0.17	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00
15	6.38	2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	3.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	3.29
17	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.12
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	1.31	0.07
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00
27	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.18	0.00	0.00
28	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	1.46	0.34	0.00
29	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.24	0.00	0.00
30	0.00	0.00	0.00	10.64	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00
31	4.30	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00	0.17	0.00	0.00
Mean	0.75	4.03	0.23	0.50	0.10	0.00	0.04	0.00	0.00	0.52	0.17	0.24

Yearly Mean = 0.55

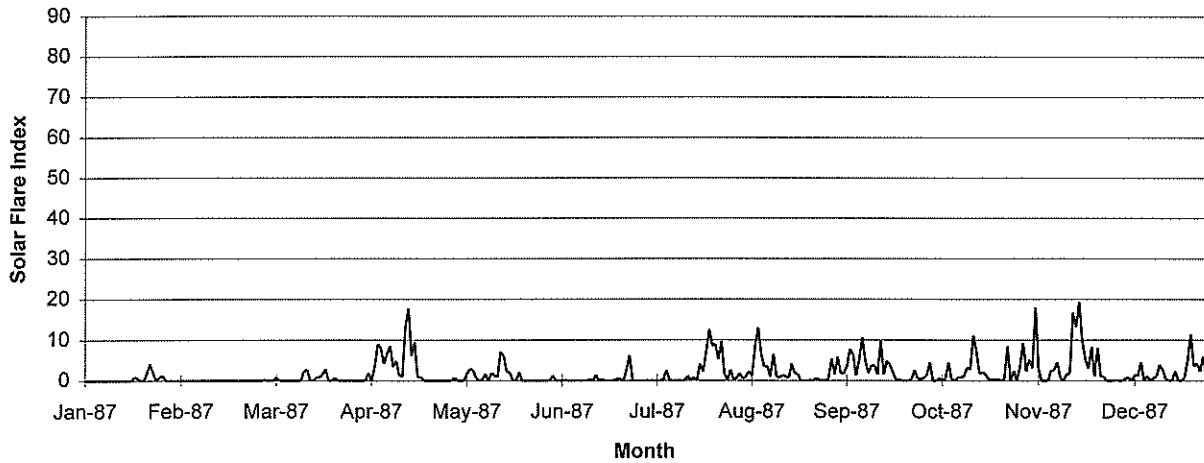
Flare Index of Solar Activity Northern Hemisphere 1987



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.78	0.00	1.73	0.65	2.56	0.00	0.19	0.00	0.00	0.00	0.22	0.00
2	0.00	0.00	0.92	0.19	6.13	0.00	0.00	4.20	0.00	0.00	2.58	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.93	0.00	0.86	8.05	0.15
4	0.00	0.00	0.00	0.19	0.00	0.00	0.00	1.75	0.00	4.45	5.65	0.23
5	0.00	0.00	1.46	0.00	0.00	0.00	0.00	0.78	0.00	2.07	2.76	0.00
6	0.00	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	2.79	0.78	0.48
7	0.00	0.00	0.73	0.33	0.00	0.00	0.00	0.00	0.00	4.60	0.71	0.00
8	0.00	0.00	4.56	0.00	0.00	0.00	0.00	0.15	0.00	1.04	0.00	0.00
9	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.81	0.13
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	1.01	1.20	0.00
11	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.89	0.89	0.27	3.27	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	2.70	2.29	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.23	1.32	0.00	0.00
14	0.00	0.00	0.00	0.00	0.09	0.76	0.00	0.00	0.00	0.52	0.00	0.00
15	0.00	0.00	0.00	0.14	0.76	0.00	0.13	0.00	1.19	7.61	0.35	0.00
16	0.00	0.23	0.00	1.46	5.38	1.67	0.11	0.00	0.00	8.01	0.00	0.00
17	0.00	0.00	0.00	0.00	0.85	0.00	0.54	0.00	0.00	5.07	0.00	0.32
18	0.00	0.00	0.00	0.27	6.11	0.10	0.27	0.38	0.08	1.15	0.00	0.00
19	0.00	0.00	0.00	0.02	3.35	0.42	0.00	0.00	0.38	0.82	0.00	0.00
20	0.00	0.00	1.46	0.00	6.65	1.00	0.78	0.77	0.00	0.21	0.00	0.00
21	0.00	0.00	3.63	0.00	10.13	1.80	0.11	0.38	0.27	2.97	0.96	0.44
22	0.00	0.00	1.83	1.91	5.67	2.58	0.00	11.25	0.00	0.00	0.00	1.09
23	0.00	0.00	0.00	0.36	2.96	2.27	0.00	13.06	0.00	0.14	0.52	1.77
24	0.00	0.00	0.00	8.08	10.94	3.42	2.27	2.97	0.00	0.82	4.24	0.00
25	0.00	0.00	1.95	2.45	15.32	1.62	0.11	5.65	0.00	0.83	0.00	0.00
26	0.00	0.00	0.00	0.00	3.57	1.21	0.76	3.09	0.73	0.54	2.57	0.00
27	0.00	0.00	0.34	0.32	2.48	0.90	0.00	0.52	0.00	0.14	0.00	0.00
28	0.00	4.31	0.00	0.00	1.58	1.61	0.00	0.00	0.13	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.25	0.00	1.61	0.00	1.04	0.00	0.86	0.00
30	0.00	0.00	0.00	0.44	0.17	1.09	0.00	0.00	0.00	2.28	4.37	0.00
31	0.00	0.00	0.77	0.00	0.13	0.00	1.88	0.00	0.00	0.00	0.00	0.00
Mean	0.12	0.16	0.68	0.57	2.74	0.68	0.28	1.64	0.16	1.75	1.41	0.15

Yearly Mean = 0.86

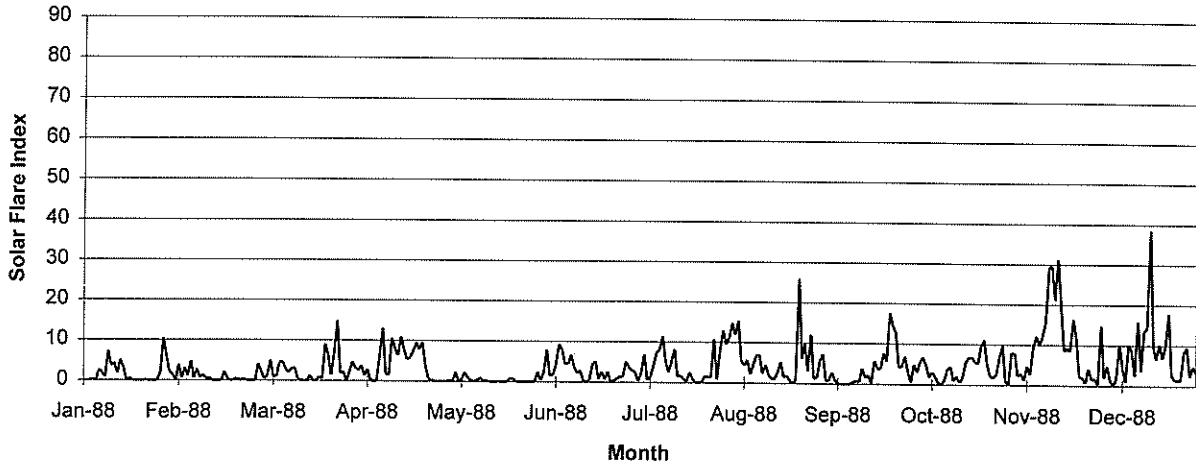
Flare Index of Solar Activity Southern Hemisphere 1987



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.64	5.38	0.66	3.30	0.00
2	0.00	0.00	0.07	0.00	0.00	1.25	0.00	1.70	1.56	1.45	9.16	0.13
3	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.46	5.83	4.56	2.35	0.00
4	0.00	0.00	0.73	0.17	0.00	0.00	0.00	1.00	1.82	0.00	5.22	0.00
5	0.00	0.00	0.00	3.26	1.73	0.00	0.00	2.25	1.77	0.00	3.06	0.55
6	0.00	0.00	0.00	8.99	2.79	0.10	0.00	1.11	3.46	0.60	18.01	0.73
7	0.00	0.00	0.00	8.06	2.69	0.00	0.00	8.60	7.75	0.00	2.98	0.00
8	0.00	0.00	0.00	4.25	0.83	0.00	0.21	13.03	6.46	0.49	0.00	1.35
9	0.00	0.00	0.00	6.66	0.00	0.00	2.44	6.67	1.26	4.51	0.00	1.18
10	0.00	0.00	0.00	8.47	0.24	0.00	0.13	3.43	5.21	0.50	0.00	4.53
11	0.00	0.00	0.00	3.41	1.60	0.00	0.00	3.69	10.61	0.00	2.40	0.00
12	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.95	5.00	0.79	2.65	1.13
13	0.00	0.00	2.38	1.44	1.87	0.00	0.00	6.48	1.86	0.86	4.60	0.00
14	0.00	0.00	2.68	0.96	1.31	0.19	0.00	1.02	3.73	1.09	0.81	0.59
15	0.00	0.00	0.15	13.22	0.84	0.00	0.00	0.73	3.77	3.24	0.00	1.16
16	0.00	0.00	0.00	17.75	7.09	1.35	1.14	1.31	1.54	2.77	1.47	3.87
17	0.92	0.00	0.73	6.15	6.19	0.00	0.00	1.08	9.68	11.14	1.89	2.59
18	0.50	0.00	0.83	9.60	2.28	0.21	0.81	0.63	1.56	7.30	16.79	0.35
19	0.00	0.00	1.50	0.77	1.97	0.00	0.00	4.16	4.85	1.79	13.11	0.07
20	0.00	0.00	2.88	0.94	0.13	0.00	4.08	1.85	3.96	2.07	19.27	0.00
21	1.90	0.00	0.00	0.00	0.00	0.00	2.16	1.55	2.06	1.56	10.04	2.29
22	4.11	0.00	0.00	0.00	2.02	0.06	7.02	0.00	0.23	0.35	5.40	0.00
23	1.81	0.00	0.67	0.00	0.00	0.46	12.59	0.00	0.21	0.24	3.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.40	8.51	0.00	0.00	0.19	8.33	0.63
25	0.81	0.00	0.00	0.00	0.00	0.00	8.97	0.13	0.00	0.44	1.04	5.12
26	1.33	0.00	0.00	0.00	0.00	2.71	5.28	0.00	0.00	0.00	8.13	11.45
27	0.00	0.00	0.00	0.00	0.00	6.21	9.64	0.63	0.34	0.51	1.11	3.58
28	0.00	0.25	0.00	0.00	0.00	0.00	1.58	0.04	2.52	8.48	0.94	4.27
29	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.54	0.14	0.00	2.33
30	0.00	0.00	0.00	0.00	0.00	0.00	2.59	0.00	0.40	2.46	0.00	5.89
31	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.52	0.00	0.14	0.00	1.19
Mean	0.37	0.01	0.41	3.36	1.11	0.43	2.18	2.06	3.11	1.88	4.84	1.77

Yearly Mean = 1.79

Flare Index of Solar Activity Northern Hemisphere 1988

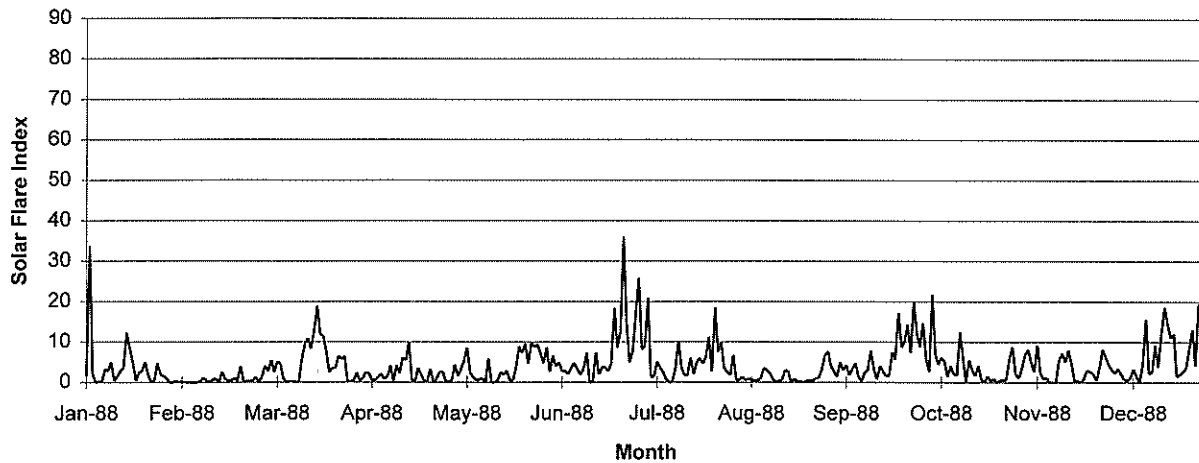


Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	3.90	1.22	3.74	0.00	7.79	0.39	14.73	0.77	2.98	7.91	2.00
2	0.00	0.53	4.95	1.36	2.22	1.65	2.32	11.92	0.90	5.48	7.81	4.79
3	0.00	3.01	1.06	2.89	0.00	1.71	6.92	15.33	2.67	6.67	2.35	1.49
4	0.28	1.14	1.04	0.17	0.62	4.27	0.60	5.47	0.92	4.79	2.83	0.00
5	0.00	4.78	4.44	0.00	2.17	9.21	1.40	4.41	0.09	1.83	1.29	1.80
6	2.58	0.51	4.70	0.00	0.89	8.00	3.98	5.67	0.00	3.04	4.73	10.19
7	1.90	2.70	2.93	6.37	0.32	4.48	7.22	2.19	0.00	1.90	2.65	4.47
8	0.83	0.75	2.06	13.11	0.00	4.51	8.06	4.50	0.00	0.48	9.33	1.03
9	7.17	1.36	2.94	1.96	0.33	6.65	11.34	6.89	0.00	0.00	12.10	10.22
10	3.54	0.42	3.15	1.43	0.95	3.64	5.42	6.88	0.48	1.15	9.85	8.59
11	4.32	0.54	0.54	10.56	0.21	2.30	2.58	2.44	0.87	3.75	12.12	2.58
12	1.73	0.00	0.00	7.99	0.19	2.83	5.27	4.46	0.52	4.41	15.69	15.93
13	5.06	0.00	0.00	6.26	0.00	0.23	8.15	2.16	3.81	1.05	29.37	3.74
14	3.16	0.00	0.00	10.88	0.00	0.00	1.61	1.12	1.60	2.02	29.48	13.33
15	0.00	0.00	1.25	7.60	0.00	0.67	1.67	1.09	2.15	0.61	21.25	14.50
16	0.51	2.13	0.00	5.33	0.06	4.35	0.87	2.60	0.35	1.90	31.27	38.69
17	0.00	0.40	0.00	5.85	0.00	5.13	0.38	5.25	5.69	5.59	19.16	9.87
18	0.00	0.00	0.92	7.27	0.00	0.83	2.52	1.67	3.83	6.60	8.64	6.59
19	0.00	0.18	0.52	9.45	0.00	2.54	0.83	1.86	3.90	6.79	9.16	10.13
20	0.00	0.42	9.00	7.79	0.87	0.72	0.00	0.78	7.59	5.54	8.52	6.83
21	0.13	0.00	6.20	9.52	0.67	2.56	0.00	0.00	5.58	5.34	16.56	9.81
22	0.00	0.38	1.38	4.04	0.00	0.00	0.25	0.92	17.64	9.44	11.40	17.90
23	0.00	0.11	7.13	0.67	0.00	0.45	1.60	25.94	14.58	11.04	2.13	2.79
24	0.00	0.00	14.85	0.33	0.00	0.94	1.49	6.05	12.79	4.93	1.98	1.58
25	0.00	0.00	1.96	0.00	0.00	1.41	1.38	9.74	4.19	2.04	0.61	1.28
26	1.93	0.00	2.21	0.00	0.00	1.44	10.66	3.07	4.33	1.83	4.21	1.53
27	10.44	4.04	0.09	0.00	0.00	5.02	0.90	12.06	6.83	2.60	1.48	8.06
28	5.96	2.08	2.02	0.00	0.00	3.69	8.26	1.30	3.17	6.69	1.74	9.44
29	2.12	0.41	4.75	0.00	2.38	3.00	12.90	1.50	0.56	9.73	0.30	2.36
30	1.38		3.31	0.24	0.46	2.58	9.56	5.53	4.81	0.98	14.85	4.75
31	0.07		2.65		2.28		11.23	7.27		0.29		3.17
Mean	1.71	1.03	2.82	4.16	0.47	3.09	4.19	5.64	3.69	3.92	10.02	7.40

Yearly Mean = 4.10

Flare Index of Solar Activity Southern Hemisphere 1988

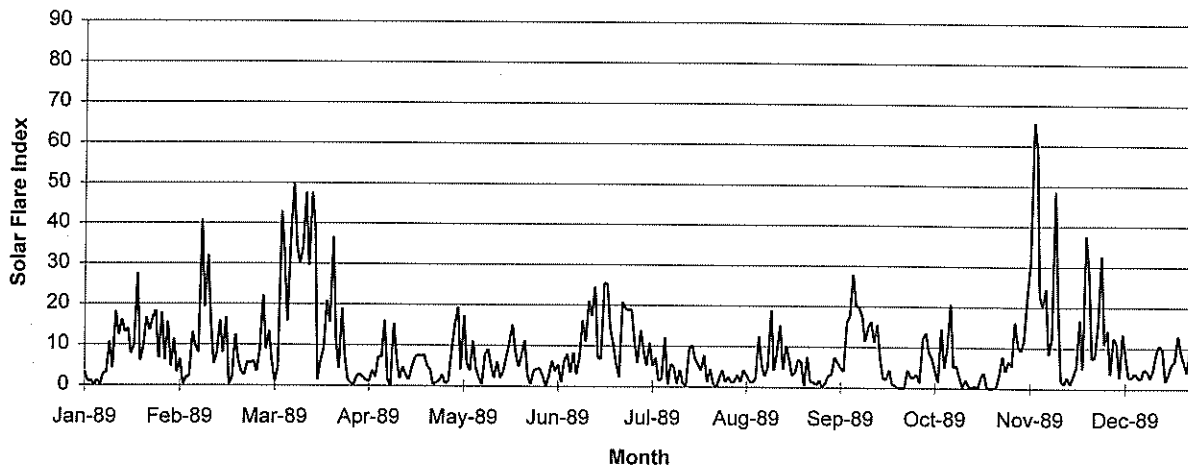
31
Misc



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.65	0.16	5.38	2.40	1.51	6.54	8.85	0.67	2.77	5.81	3.39	2.19
2	33.66	0.00	2.52	2.11	3.25	3.94	20.89	1.31	1.38	2.71	6.77	3.46
3	2.07	0.00	5.11	0.49	5.32	4.94	1.42	0.56	4.85	21.81	8.06	1.97
4	0.00	0.00	4.48	0.52	8.53	2.73	1.29	0.83	2.99	6.94	5.23	0.76
5	0.14	0.00	0.85	1.24	2.45	2.84	5.02	0.64	4.21	4.42	2.60	0.44
6	0.11	0.00	0.00	2.06	1.27	2.04	3.63	0.37	1.83	6.17	9.23	1.08
7	3.22	0.26	0.22	0.83	0.42	3.63	2.43	0.46	3.29	5.21	2.38	3.25
8	2.74	1.12	0.21	1.45	0.73	4.72	0.65	1.00	4.67	1.38	0.90	1.42
9	4.92	0.36	0.00	4.04	0.88	3.10	0.00	3.47	1.43	4.11	1.14	0.00
10	0.38	0.00	0.00	0.36	0.00	1.90	0.00	2.97	0.35	2.22	0.00	4.42
11	1.56	0.69	5.67	4.25	5.77	3.30	3.25	2.18	2.35	1.71	0.00	15.71
12	2.67	0.90	9.56	2.15	0.00	7.27	10.10	0.73	2.93	12.51	0.08	2.14
13	3.73	0.00	10.85	6.15	0.00	0.00	3.71	0.00	7.75	6.09	5.40	2.59
14	12.33	2.56	8.29	5.41	0.43	0.00	1.80	0.43	3.21	0.17	7.21	9.17
15	8.46	0.79	12.90	9.94	2.41	7.38	1.65	0.57	0.77	5.49	5.06	3.81
16	5.04	0.38	18.90	0.51	1.88	1.96	5.99	2.96	4.00	3.21	7.95	12.26
17	0.41	0.38	11.83	0.34	2.88	3.59	2.01	2.72	2.60	1.62	4.69	18.69
18	2.41	1.04	11.49	3.50	0.39	3.77	4.79	0.00	1.60	4.15	0.26	14.53
19	2.81	0.36	7.58	1.95	0.49	2.69	5.96	0.82	1.62	0.58	0.34	11.10
20	5.05	3.95	2.38	0.25	3.70	4.58	4.63	0.25	7.51	0.09	0.00	12.05
21	1.73	0.13	3.52	0.25	8.85	18.42	6.13	0.17	5.69	1.51	0.98	1.42
22	0.00	0.33	3.46	3.29	7.27	8.50	11.17	0.00	7.22	0.27	2.98	2.00
23	0.60	0.22	6.42	0.00	9.60	12.54	2.65	0.23	8.75	0.90	2.58	2.69
24	4.65	0.44	5.67	0.90	4.60	35.96	18.61	0.60	0.00	0.00	2.19	3.48
25	1.93	1.24	6.42	2.44	9.81	14.66	7.52	0.24	4.42	0.54	0.42	8.30
26	1.60	0.00	0.13	2.63	8.75	4.90	9.95	0.92	7.38	0.58	3.60	13.15
27	0.94	1.44	0.23	0.36	9.39	7.76	3.65	1.13	9.94	0.69	8.17	4.10
28	0.00	4.00	0.38	0.00	7.15	17.10	2.47	3.07	2.15	5.86	6.26	19.50
29	0.00	2.73	2.33	0.54	4.69	25.78	1.80	6.71	8.83	8.81	4.36	12.24
30	0.26		0.31	4.31	8.63	8.17	6.67	7.67	4.71	2.08	3.17	25.89
31	0.00		1.06		2.66		0.46	4.13		1.15		0.95
Mean	3.39	0.81	4.78	2.16	3.99	7.49	5.13	1.54	6.04	3.83	3.51	6.93

Yearly Mean = 4.13

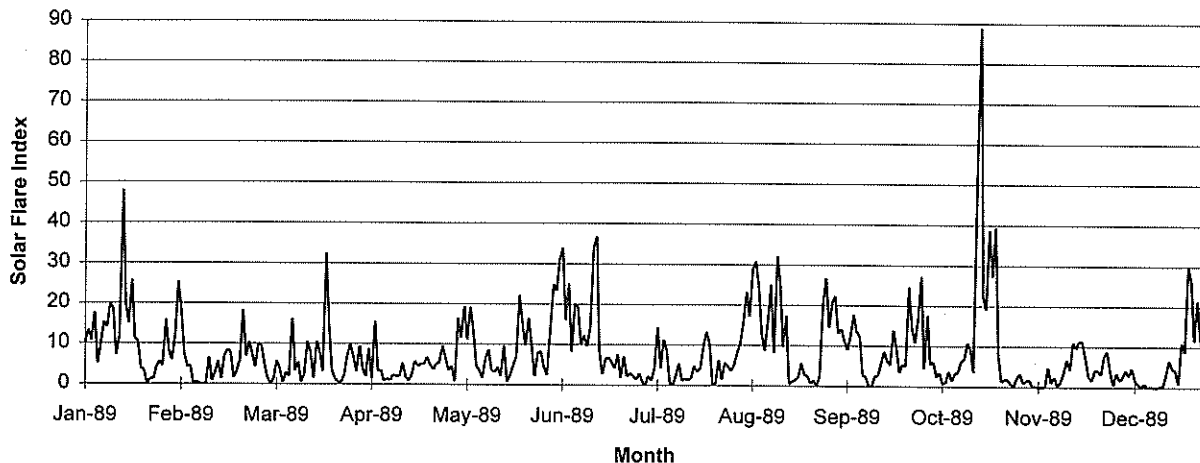
Flare Index of Solar Activity Northern Hemisphere 1989



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.25	6.50	8.93	2.79	8.98	0.25	5.92	1.16	1.17	3.40	5.39	10.90
2	0.96	0.31	13.37	2.17	15.13	2.53	13.88	1.42	2.99	1.32	16.31	14.35
3	1.27	2.04	6.03	1.45	19.33	6.25	9.02	2.94	3.23	12.12	10.59	3.57
4	0.25	2.13	1.17	1.07	4.08	3.73	5.25	1.32	7.48	13.63	9.17	12.44
5	1.36	13.05	4.39	3.79	17.36	5.42	10.81	4.25	6.17	8.86	11.66	11.15
6	0.36	9.71	43.00	2.13	5.70	1.02	5.15	3.00	4.95	7.17	22.54	2.73
7	2.89	8.00	31.52	7.24	3.83	6.15	7.09	1.52	3.97	4.35	31.21	13.46
8	3.10	40.88	15.81	6.98	11.08	7.91	1.54	1.23	16.15	1.50	65.72	7.68
9	10.75	19.32	37.31	16.10	4.37	3.44	1.95	2.15	17.59	14.66	58.85	2.81
10	4.24	32.07	49.81	1.74	2.09	8.31	12.13	12.58	27.97	4.96	23.07	2.74
11	18.17	15.69	34.56	0.00	0.43	3.06	0.56	5.56	20.25	9.75	20.23	3.87
12	12.44	5.21	30.07	15.37	7.86	7.20	5.54	2.80	19.84	20.67	24.60	2.82
13	16.14	8.01	33.96	6.98	9.00	16.19	4.93	4.94	17.63	5.04	8.34	2.54
14	13.13	15.93	47.65	1.82	5.15	11.05	0.83	19.04	11.47	5.51	12.38	4.74
15	14.04	7.99	29.57	4.67	2.06	21.06	4.10	4.21	14.95	2.77	48.67	4.43
16	7.76	16.72	47.77	2.81	6.04	17.44	0.88	8.77	16.26	0.23	19.54	2.60
17	9.98	0.35	38.94	1.51	2.04	24.54	0.35	15.34	11.28	2.17	2.01	4.73
18	27.54	1.95	1.46	4.61	3.65	7.09	9.28	4.43	15.59	0.54	1.16	8.93
19	6.05	12.49	6.27	6.91	7.23	6.81	10.19	10.25	7.22	0.00	2.78	10.71
20	9.45	6.14	9.26	7.70	10.83	25.44	6.89	6.98	2.36	0.68	1.11	9.40
21	16.74	3.43	20.94	7.36	15.06	25.31	5.53	2.97	2.08	0.00	3.04	1.79
22	13.47	2.50	15.56	7.73	8.38	14.60	4.10	3.77	4.38	2.73	5.33	3.75
23	16.51	5.84	36.67	4.98	4.85	10.58	7.76	6.83	1.02	3.85	16.88	6.00
24	18.44	5.36	11.56	4.02	7.58	5.73	1.24	6.30	0.57	0.21	4.88	6.84
25	6.65	6.10	4.31	0.40	11.31	2.39	4.38	0.44	0.00	0.00	37.66	13.06
26	17.88	3.47	19.03	0.98	2.79	20.77	0.80	7.52	0.00	0.13	28.27	8.89
27	6.25	8.66	7.00	1.40	0.50	19.16	0.00	1.52	0.00	0.27	7.34	6.43
28	15.64	22.16	1.56	2.74	3.89	18.89	2.14	1.47	4.43	3.20	7.83	4.03
29	4.65		0.63	0.58	4.27	18.91	4.08	0.67	2.73	7.88	15.68	9.66
30	11.48		0.38	1.30	4.39	11.33	1.33	1.79	2.53	4.14	32.73	1.10
31	3.26		2.52		2.56		2.62	0.19		6.70		3.21
Mean	9.49	10.07	19.71	4.31	6.83	11.09	4.85	4.75	8.21	4.79	18.50	6.49

Yearly Mean = 9.90

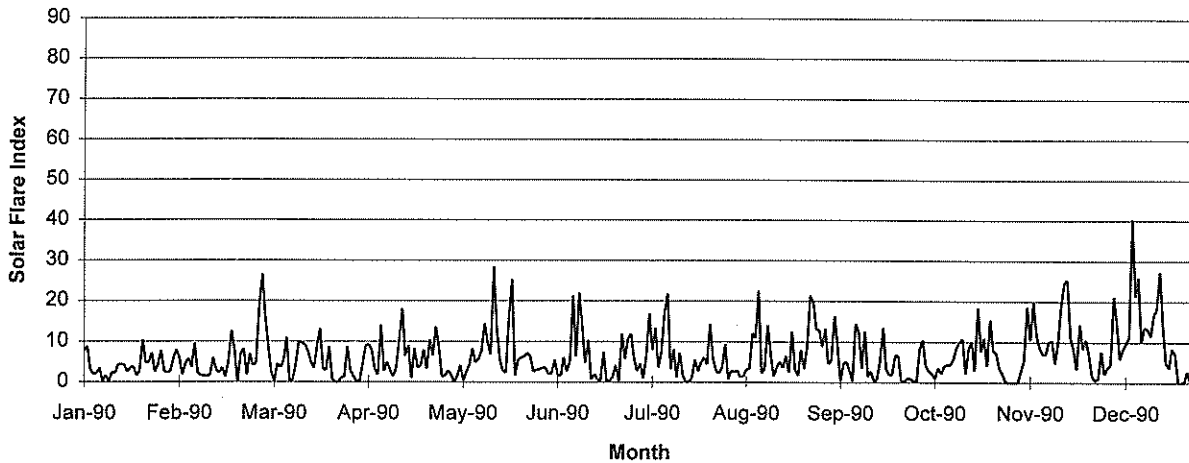
Flare Index of Solar Activity Southern Hemisphere 1989



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.31	18.23	1.58	4.13	0.78	13.27	1.00	8.00	20.74	4.44	3.34	0.54
2	13.39	7.63	0.00	1.91	16.38	25.00	0.00	10.42	22.34	17.65	1.00	3.48
3	10.77	4.23	1.48	8.79	11.53	23.31	2.29	15.52	13.08	5.49	1.51	1.66
4	17.68	4.60	5.75	1.51	19.44	31.14	1.10	23.26	14.21	6.04	1.77	2.52
5	4.98	0.00	3.77	15.67	11.09	33.97	4.17	17.15	11.48	2.48	0.17	4.10
6	9.95	0.56	0.37	3.25	19.24	16.10	14.35	28.88	9.03	3.46	0.17	2.82
7	15.28	0.13	2.85	3.49	13.33	25.08	4.26	30.83	12.31	0.77	0.00	4.73
8	14.08	0.00	1.94	0.77	4.73	8.22	11.22	24.68	17.69	0.94	0.00	1.65
9	19.92	0.15	16.21	1.39	3.51	20.20	8.55	12.93	13.52	3.76	0.00	0.76
10	18.61	6.56	3.32	1.03	1.74	19.27	0.67	8.79	12.53	1.43	4.83	0.08
11	7.19	0.88	5.42	2.25	6.54	10.00	0.00	16.08	2.91	3.19	1.04	0.83
12	11.71	2.83	0.44	2.02	8.62	12.20	2.36	25.11	2.36	3.70	2.47	0.00
13	47.99	5.71	2.80	1.98	3.60	9.58	5.41	8.12	0.33	6.27	0.35	0.11
14	20.06	1.36	10.56	5.24	3.19	14.11	1.17	32.17	0.00	6.66	1.22	0.00
15	15.02	7.04	7.89	2.02	4.29	34.04	1.75	25.21	2.54	10.71	3.40	0.00
16	25.77	8.46	1.55	0.90	2.18	36.85	1.24	9.58	2.60	9.29	6.71	0.17
17	11.21	7.87	10.56	2.36	9.65	8.61	1.84	17.43	5.63	3.60	4.29	0.17
18	10.50	1.54	8.04	5.70	0.83	2.67	4.74	0.46	8.60	53.25	10.95	3.14
19	3.97	3.26	3.15	4.54	2.40	6.50	3.42	1.14	6.42	88.96	9.65	6.54
20	3.38	5.83	32.52	5.00	4.63	6.79	4.26	1.48	5.28	22.24	11.34	4.67
21	0.00	18.33	15.46	5.09	6.95	5.78	9.87	2.20	13.86	19.08	11.19	4.15
22	1.32	6.84	3.71	6.69	22.21	4.15	13.25	5.58	9.27	38.75	7.31	0.81
23	1.16	10.45	1.39	4.81	15.27	7.58	10.16	2.96	3.48	27.23	2.70	10.94
24	4.19	7.43	0.49	3.73	9.69	1.83	0.17	2.44	5.52	39.47	1.63	8.66
25	5.58	4.27	0.46	5.06	16.44	7.04	0.42	0.74	5.02	7.67	4.05	29.71
26	4.46	9.93	2.22	5.52	9.67	2.21	6.29	1.35	24.72	1.29	4.15	26.43
27	15.95	9.56	7.04	9.52	2.11	2.95	1.47	0.13	14.44	1.88	3.10	11.45
28	8.46	5.09	9.88	6.23	7.75	2.42	5.63	2.50	10.93	1.92	7.63	21.41
29	5.90		6.88	3.52	8.33	1.37	4.79	20.12	16.80	0.69	8.81	11.92
30	11.96		3.17	4.52	4.50	2.92	3.69	26.85	27.29	0.29	3.80	8.15
31	25.40		9.46		2.44		5.04	14.47		2.14		13.83
Mean	12.13	5.67	5.82	4.29	8.16	13.17	4.34	12.79	10.50	12.73	3.95	5.98

Yearly Mean = 8.30

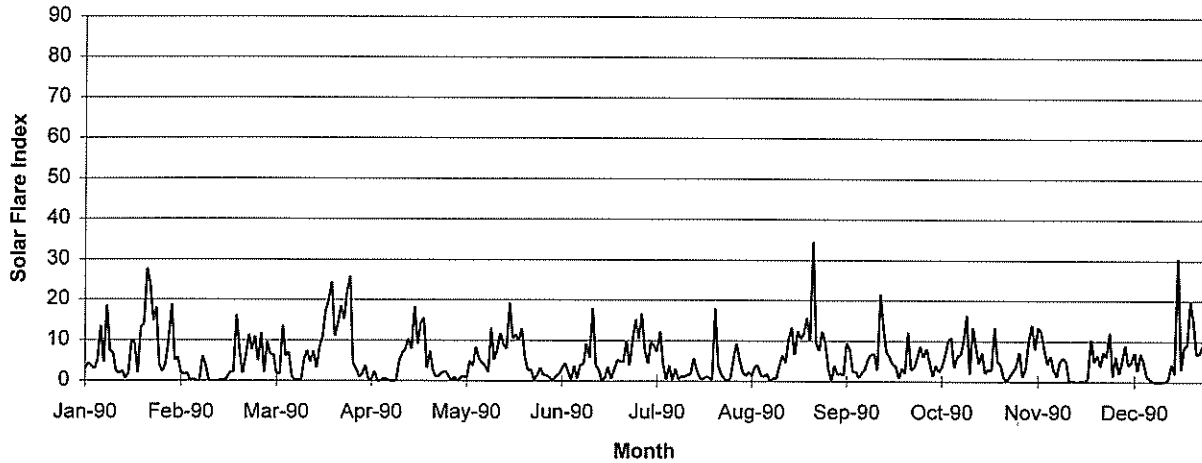
Flare Index of Solar Activity Northern Hemisphere 1990



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.65	6.10	16.10	0.15	1.87	3.50	2.77	2.84	13.28	0.26	0.00	2.12
2	8.81	1.83	8.94	4.33	0.00	1.96	4.70	2.57	4.61	8.35	0.00	3.78
3	3.08	4.61	2.47	8.92	1.52	2.22	0.92	2.88	5.52	10.45	0.00	4.39
4	1.88	5.79	0.25	9.33	4.15	5.50	6.51	1.37	16.45	4.26	2.78	21.25
5	2.10	3.65	4.51	7.89	0.41	1.78	16.93	1.53	9.02	2.85	5.36	14.81
6	3.38	9.54	3.56	3.20	2.42	1.60	7.97	3.17	0.48	2.21	18.63	5.89
7	0.27	2.15	5.25	1.77	4.27	6.10	13.36	3.40	4.67	1.02	10.44	8.25
8	1.64	1.68	10.96	14.08	8.25	2.68	3.69	12.13	5.13	3.59	19.74	9.65
9	0.00	1.50	0.00	2.71	4.88	5.28	7.41	10.90	3.10	2.17	11.80	11.29
10	2.42	1.41	0.56	5.04	5.70	21.29	17.10	22.52	0.33	4.04	8.83	40.36
11	2.17	1.62	4.31	3.07	7.65	6.29	21.79	2.29	14.52	4.46	7.02	21.19
12	4.34	5.93	10.04	1.39	14.38	22.08	3.23	3.56	12.31	4.31	7.01	25.96
13	4.35	3.14	9.65	3.32	9.75	13.67	8.10	14.11	3.54	5.92	9.98	10.13
14	4.33	2.22	9.27	10.25	6.89	4.77	1.27	6.86	12.54	8.60	10.44	13.58
15	2.54	3.55	7.65	18.04	28.48	10.39	7.28	1.53	1.54	9.96	4.77	13.33
16	3.49	1.25	4.94	6.43	13.13	0.67	2.00	3.81	2.77	10.75	10.15	11.54
17	3.81	4.94	3.35	9.00	5.65	2.00	0.00	5.08	0.29	2.25	19.21	16.66
18	1.58	12.56	8.98	0.98	2.95	0.70	0.08	3.69	0.77	8.22	24.65	18.29
19	2.73	7.77	13.12	8.27	2.29	0.35	0.96	6.49	5.17	10.11	25.38	27.38
20	10.42	0.00	3.18	3.70	16.15	7.44	5.56	2.44	13.48	2.90	11.29	13.88
21	4.87	6.88	2.88	3.91	25.30	0.30	2.76	12.56	3.25	18.38	8.44	5.02
22	4.82	8.22	8.79	7.92	1.58	0.40	4.75	3.29	1.85	7.65	3.29	3.69
23	7.13	1.73	0.67	3.31	5.50	1.27	6.15	1.68	2.10	11.00	14.40	8.48
24	2.58	6.90	0.00	10.44	6.15	4.24	4.41	7.98	6.75	4.14	8.38	6.96
25	4.33	4.09	0.00	6.60	6.33	0.27	14.38	3.38	6.51	15.46	10.60	0.00
26	7.75	4.66	1.14	13.57	7.23	11.98	5.83	8.77	0.33	7.83	7.10	0.00
27	2.73	18.70	1.23	8.83	6.50	5.79	2.77	21.35	0.21	7.38	1.63	0.18
28	2.28	26.57	8.75	1.44	2.60	10.79	2.21	19.73	1.08	3.48	0.50	2.79
29	2.60		2.82	1.48	3.03	11.87	3.70	13.22	0.88	2.13	0.92	0.00
30	5.69		1.38	2.78	3.16	6.06	9.42	12.94	0.30	0.13	7.71	0.00
31	7.90		0.29		3.63		0.83	8.80		0.00		0.00
Mean	3.99	5.68	5.00	6.07	6.83	5.78	6.09	7.32	5.09	5.94	9.01	10.35

Yearly Mean = 6.43

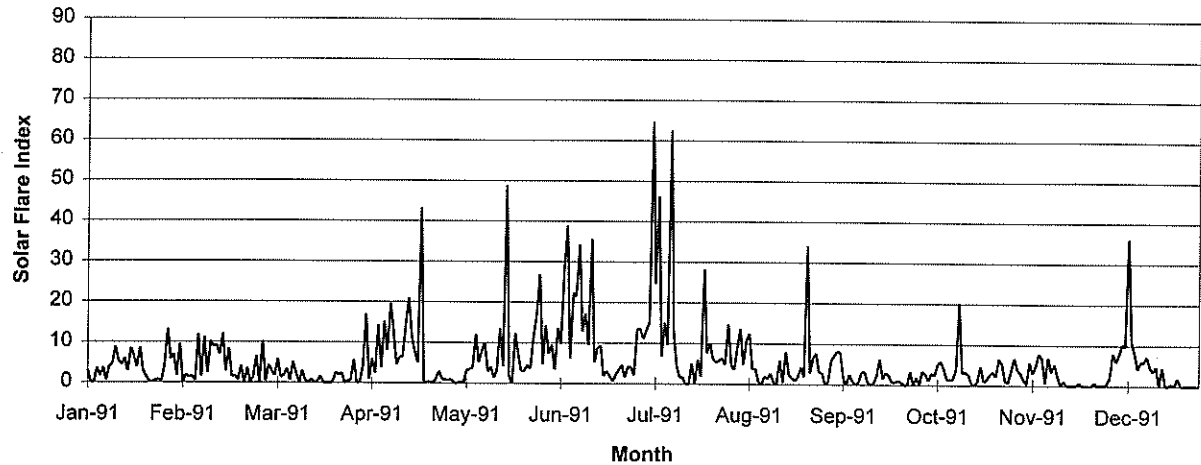
Flare Index of Solar Activity Southern Hemisphere 1990



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.96	2.01	9.66	1.79	0.92	0.89	16.65	9.41	0.21	6.09	7.31	1.37
2	4.37	1.65	6.52	3.75	0.00	0.00	7.73	5.23	3.93	8.08	1.26	6.27
3	3.71	1.94	6.47	0.38	0.69	1.17	4.35	2.41	1.76	4.79	3.39	1.97
4	2.91	0.00	1.87	0.42	1.24	1.60	9.57	1.31	2.04	1.45	10.02	5.19
5	5.08	0.42	1.59	2.34	0.71	3.08	8.85	2.30	1.47	3.94	14.05	9.03
6	13.48	0.00	13.63	0.00	4.94	4.42	7.36	1.40	9.54	2.48	8.07	4.11
7	4.50	0.00	6.13	0.00	3.73	2.58	12.23	3.65	8.00	3.63	13.47	4.73
8	18.52	6.05	7.16	0.54	8.33	0.32	4.31	3.94	2.42	6.49	12.38	7.19
9	7.34	3.89	1.17	0.35	5.67	3.78	0.37	1.52	2.46	10.04	8.10	2.78
10	6.90	0.11	0.00	0.00	4.45	0.58	3.83	1.15	0.98	10.85	4.42	7.01
11	2.35	0.00	0.26	0.00	3.71	4.12	0.34	1.82	2.19	3.56	6.40	4.83
12	1.87	0.00	0.11	0.00	2.14	4.10	3.08	0.00	2.98	6.31	3.10	1.45
13	2.40	0.00	5.40	4.85	13.13	9.26	0.40	0.83	5.63	6.67	1.29	0.63
14	0.56	0.19	7.43	6.95	5.23	5.77	1.22	0.59	6.68	10.00	4.85	0.00
15	1.90	0.00	4.68	7.83	7.92	18.03	1.10	3.89	6.81	16.48	5.94	0.00
16	10.05	0.88	7.39	10.39	11.81	3.98	1.54	6.46	2.84	1.90	5.06	0.00
17	9.25	2.27	3.20	7.92	9.15	2.90	1.79	4.63	21.58	13.46	0.13	0.00
18	1.94	2.15	8.25	18.35	7.95	0.23	5.65	10.54	12.91	8.28	0.31	0.13
19	13.17	16.24	10.89	9.14	19.26	0.81	2.83	13.29	7.21	4.51	0.00	0.69
20	14.13	7.04	17.57	14.23	10.58	3.53	0.79	6.68	6.07	7.16	0.00	4.36
21	27.76	1.81	19.94	15.55	11.41	0.58	0.50	12.42	4.20	2.08	0.21	2.00
22	23.58	6.11	24.52	3.20	9.96	2.79	1.08	10.61	3.98	3.10	0.00	30.59
23	14.80	11.44	11.07	7.38	13.01	5.15	0.96	11.91	0.87	2.74	0.79	2.96
24	18.13	7.73	14.21	2.59	5.85	4.94	0.33	15.69	3.29	13.39	10.44	8.55
25	3.88	10.97	18.56	0.99	2.67	4.70	18.02	9.98	2.11	4.98	4.98	9.12
26	2.34	4.97	15.18	1.26	2.79	9.98	3.91	34.63	12.21	4.09	6.57	19.68
27	4.34	11.89	22.29	2.09	0.31	3.89	1.77	9.60	2.92	0.88	3.83	14.87
28	10.27	2.13	25.94	2.42	1.46	10.02	0.58	7.65	3.45	0.21	7.30	6.74
29	18.80		4.40	1.35	3.26	15.21	0.00	12.39	6.00	1.47	6.19	7.02
30	5.04		3.00	0.00	1.53	10.44	0.66	9.71	8.71	2.58	12.21	8.94
31	5.77		0.99		1.38		5.54	3.16		3.91		8.77
Mean	8.45	3.64	9.02	4.20	5.65	4.63	4.11	7.06	5.18	5.66	5.40	5.84

Yearly Mean = 5.74

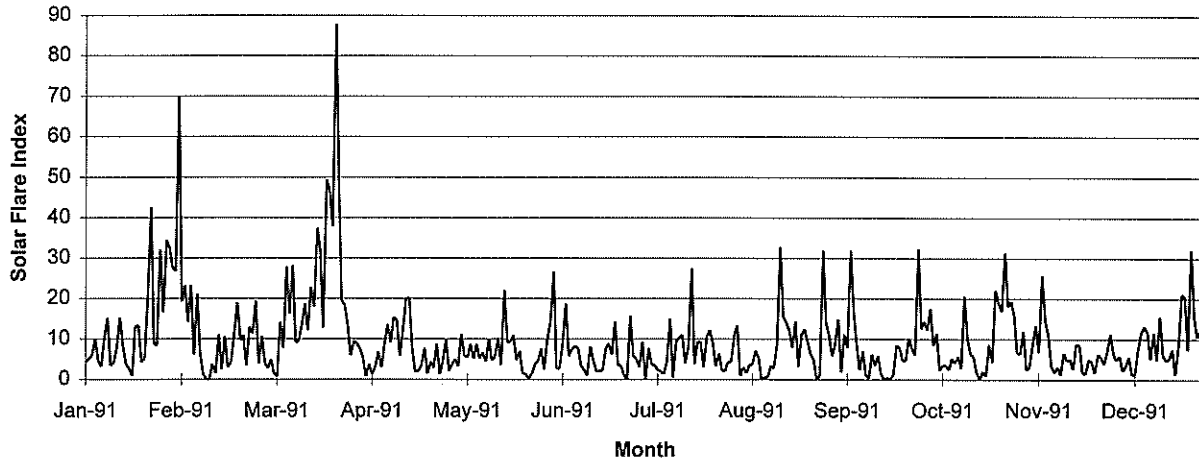
Flare Index of Solar Activity Northern Hemisphere 1991



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.00	0.12	4.36	4.25	0.00	7.29	13.57	3.51	0.67	0.21	6.67	0.49
2	0.00	1.89	2.97	16.94	0.00	9.56	11.15	8.99	5.92	3.38	3.88	2.22
3	0.07	1.30	1.71	0.86	0.40	3.44	13.15	13.68	7.10	2.65	3.02	7.99
4	3.48	1.62	5.77	6.03	0.00	13.66	15.19	4.83	8.21	1.08	1.53	5.96
5	1.55	0.37	1.30	2.40	3.15	9.62	64.69	10.70	7.84	2.92	0.31	7.93
6	3.69	11.98	1.79	14.27	3.48	28.48	24.71	12.41	1.58	2.38	5.67	10.24
7	0.52	1.53	3.42	3.68	3.85	38.90	46.31	3.72	0.00	5.10	3.01	9.67
8	4.02	11.14	0.55	15.17	12.08	6.17	6.81	3.81	2.44	5.81	4.85	36.13
9	4.60	2.29	5.13	8.02	5.19	22.28	15.07	0.63	0.94	4.03	7.83	10.86
10	8.80	10.18	2.39	19.60	7.93	21.55	9.66	0.00	0.00	1.46	6.75	8.19
11	5.35	8.82	0.00	12.88	9.96	34.21	62.63	1.83	0.52	1.31	0.67	4.21
12	4.40	9.33	2.98	4.52	2.94	12.75	13.21	1.42	3.04	1.57	6.90	5.90
13	5.89	6.89	0.49	6.42	3.97	17.29	4.58	2.60	3.24	4.05	3.40	5.86
14	2.71	12.10	0.20	6.45	1.35	9.42	1.69	0.48	0.60	20.25	5.33	7.21
15	8.39	2.72	0.87	14.31	3.28	35.67	1.54	0.20	0.09	3.04	2.48	4.72
16	6.62	8.36	0.00	20.97	13.62	5.21	0.00	5.85	0.37	3.25	0.11	3.45
17	3.80	1.49	0.30	11.65	4.23	8.79	0.00	0.42	2.38	2.69	1.12	4.83
18	8.54	1.71	1.56	7.72	48.85	9.45	5.02	7.92	6.36	0.60	0.00	0.00
19	2.96	0.60	0.00	5.02	1.73	1.92	0.00	2.54	1.44	0.00	0.00	4.59
20	1.49	4.16	0.00	43.29	0.00	3.05	6.01	1.51	3.06	0.90	0.00	0.00
21	0.22	0.00	0.00	0.28	12.30	1.92	1.75	1.02	2.26	4.70	0.00	0.00
22	0.20	3.58	0.11	0.29	7.19	0.65	28.32	1.83	0.79	0.95	0.73	0.54
23	0.46	0.00	2.52	0.26	3.10	2.15	7.63	4.20	0.55	1.45	0.00	0.00
24	0.73	1.53	1.92	0.00	3.06	3.38	10.06	1.85	1.10	2.62	0.00	1.98
25	0.37	6.51	2.39	1.02	4.47	4.60	6.26	34.14	0.67	3.33	0.00	0.00
26	4.31	0.00	0.00	2.93	3.65	1.58	5.31	2.83	0.00	2.13	0.00	0.00
27	13.24	10.21	0.37	0.98	11.40	4.15	5.81	6.50	0.00	6.53	0.75	0.00
28	5.77	0.36	0.61	0.81	16.94	4.11	6.35	7.67	3.21	5.33	0.00	0.00
29	7.03		5.58	0.65	26.93	2.05	4.80	3.13	0.00	1.18	0.18	0.00
30	1.71		0.00	0.94	4.67	13.43	14.67	2.81	1.83	0.59	0.00	0.00
31	9.53		0.28		14.39		4.78	0.00		3.65		0.00
Mean	3.98	4.31	1.60	7.75	7.55	11.22	13.25	4.94	2.21	3.20	2.17	4.61

Yearly Mean = 5.57

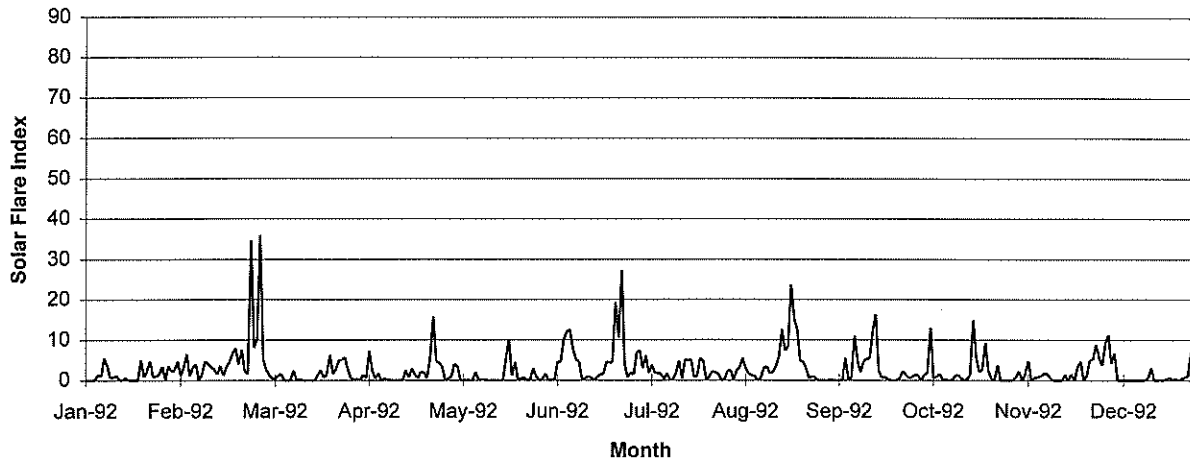
Flare Index of Solar Activity Southern Hemisphere 1991



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.30	19.23	2.76	5.37	4.84	14.21	9.24	13.37	5.88	14.36	6.42	6.42
2	5.13	23.28	4.85	0.73	3.25	26.67	0.00	0.91	8.73	12.19	11.98	4.78
3	5.81	14.23	1.40	3.69	11.08	2.78	7.69	2.94	14.92	17.60	2.44	5.84
4	9.88	23.26	0.77	1.34	5.81	2.69	3.73	1.58	1.83	8.42	3.11	2.26
5	4.74	6.12	14.17	3.04	5.42	9.02	3.53	3.65	11.13	11.41	8.85	3.36
6	3.19	21.13	7.68	6.77	8.68	18.67	2.40	3.72	7.82	2.31	13.40	5.52
7	9.99	6.53	27.84	2.94	5.19	5.79	1.99	7.07	31.90	3.52	6.75	1.32
8	15.16	1.32	16.22	8.75	8.67	7.58	1.31	5.32	16.99	3.58	25.77	1.45
9	3.46	0.00	28.15	13.56	5.08	8.16	4.55	0.00	8.99	2.44	14.73	7.56
10	4.06	0.00	9.13	9.17	6.65	7.78	15.04	0.44	2.39	5.17	10.99	11.69
11	7.63	3.82	9.53	15.29	4.40	3.33	0.40	0.70	7.00	4.17	3.62	13.17
12	15.19	1.47	13.35	14.62	9.96	2.33	9.31	3.29	1.40	5.66	1.77	11.58
13	8.18	10.98	18.67	5.74	4.62	0.96	10.21	2.75	0.26	2.83	3.09	5.08
14	3.89	2.44	12.07	12.72	5.77	8.13	10.96	8.75	6.23	20.63	1.25	11.46
15	2.71	10.52	22.73	19.95	10.10	4.54	3.97	32.78	3.49	10.17	6.57	4.84
16	0.90	3.03	17.85	20.21	3.56	1.95	8.02	15.63	5.81	6.29	4.75	15.54
17	13.07	4.33	37.41	7.52	22.06	2.19	27.47	14.02	1.42	5.69	5.06	6.20
18	13.27	11.03	31.78	1.94	9.17	2.23	3.80	12.12	0.00	1.73	2.52	4.70
19	4.33	19.02	12.74	2.02	9.33	7.68	9.26	7.90	0.46	0.00	8.77	5.10
20	5.19	9.68	49.38	3.31	10.78	8.90	9.21	14.35	0.15	2.02	8.51	7.40
21	20.04	10.82	46.92	7.64	4.76	6.17	3.07	3.18	1.24	0.80	1.92	1.25
22	42.52	3.39	37.95	1.46	7.00	14.21	10.42	10.90	8.42	8.67	1.37	8.45
23	8.90	12.95	87.92	4.31	1.58	3.42	12.13	12.43	7.98	4.25	4.95	21.11
24	8.36	11.30	48.23	2.84	1.31	3.46	8.97	9.50	4.65	22.02	4.30	20.53
25	32.08	19.33	19.49	8.69	0.21	1.15	3.35	6.36	4.75	19.05	1.69	7.34
26	16.56	3.93	18.46	1.29	1.48	0.00	6.29	5.00	10.17	16.83	6.29	32.15
27	34.38	10.59	13.31	4.60	3.65	15.69	2.27	0.16	7.77	31.45	5.50	15.75
28	32.57	4.16	5.91	9.86	4.54	5.78	2.12	0.86	5.98	18.14	3.88	10.54
29	27.60		9.44	2.13	7.64	5.03	4.27	31.94	32.27	19.39	7.03	12.21
30	26.77		8.83	3.79	2.45	3.12	4.29	14.24	12.63	15.96	11.27	40.91
31	69.97		7.60		9.94		10.86	10.98		6.69		12.72
Mean	14.83	9.57	20.73	6.84	6.42	6.79	6.78	8.28	7.75	9.79	6.62	10.27

Yearly Mean = 9.58

Flare Index of Solar Activity Northern Hemisphere 1992

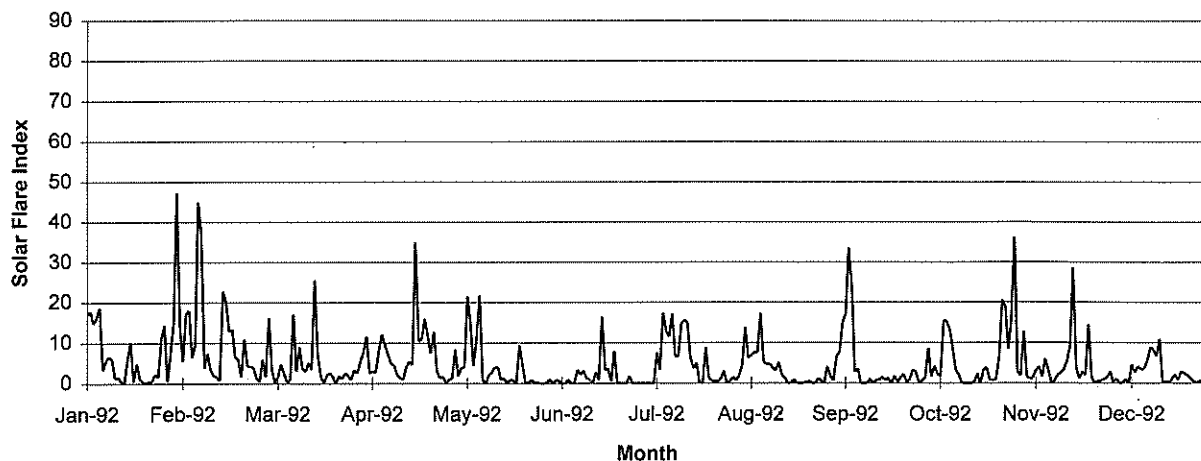


Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	1.38	1.40	1.32	4.00	0.00	7.32	0.28	0.00	1.22	0.00	9.21
2	0.00	3.07	0.52	0.52	3.46	0.21	2.97	2.35	0.17	0.00	0.90	11.21
3	0.00	6.50	0.42	7.23	0.00	0.11	6.11	3.27	0.00	1.39	2.23	4.23
4	0.00	1.16	1.23	2.35	0.00	4.58	1.83	5.46	0.00	1.69	0.00	6.77
5	1.40	3.19	1.54	0.47	0.06	4.42	3.73	2.90	0.00	13.05	1.52	0.11
6	1.10	3.93	0.00	1.66	0.00	10.08	2.03	1.58	0.00	0.58	4.82	0.00
7	5.48	0.00	0.00	0.00	0.00	12.04	1.70	1.28	5.53	0.91	0.00	0.00
8	3.73	1.49	0.00	0.38	1.98	12.53	1.54	1.01	0.27	1.65	0.60	0.00
9	0.61	4.67	2.42	0.21	0.17	7.83	0.34	0.00	0.55	0.23	0.78	0.00
10	0.83	4.06	0.00	0.00	0.23	5.16	1.66	0.46	11.01	0.18	1.05	0.00
11	1.10	3.20	0.30	0.00	0.17	4.59	0.15	3.03	4.99	0.00	1.57	0.00
12	0.29	2.76	0.00	0.00	0.00	0.31	0.15	3.47	2.04	0.00	1.78	0.00
13	0.00	1.52	0.00	0.00	0.00	0.46	1.94	1.73	4.63	1.00	0.77	0.00
14	0.67	3.59	0.00	0.11	0.00	0.90	4.74	2.10	5.40	1.38	0.00	0.00
15	0.00	1.20	0.00	2.45	0.00	0.69	0.42	3.34	5.38	0.64	0.00	0.61
16	0.00	3.29	0.00	0.74	0.00	0.00	5.09	5.93	12.30	0.00	0.00	3.07
17	0.00	4.63	1.40	2.89	0.00	0.87	4.86	12.57	16.35	0.26	0.00	0.00
18	0.00	6.63	2.43	1.47	5.21	1.41	5.13	7.36	2.40	1.35	1.40	0.00
19	5.00	7.87	0.69	0.54	10.15	1.63	0.69	8.33	0.66	14.89	0.00	0.13
20	0.85	3.98	1.57	2.07	1.17	4.53	1.21	23.73	0.81	5.92	1.52	0.00
21	2.33	7.56	6.27	1.94	4.47	4.39	5.51	15.16	0.27	2.18	0.00	0.28
22	4.72	2.35	1.60	0.60	0.00	4.34	4.84	12.77	0.00	2.49	3.24	0.70
23	0.95	1.65	2.87	5.75	0.47	19.29	0.00	4.94	0.00	9.27	4.67	0.00
24	1.05	34.68	4.99	15.79	0.73	10.50	0.89	4.66	0.00	2.39	0.13	0.39
25	1.48	8.09	5.06	4.77	0.00	27.31	2.16	2.95	0.75	0.41	1.19	0.00
26	3.42	10.37	5.69	4.33	0.25	4.07	1.94	0.52	2.31	0.00	5.06	0.41
27	0.25	35.96	2.54	3.38	2.87	0.69	1.63	1.00	1.28	3.71	5.19	0.69
28	3.50	5.13	0.53	0.00	0.97	1.81	0.00	0.74	0.58	0.00	8.83	1.04
29	2.32	2.70	0.25	0.48	0.00	1.43	0.28	0.00	0.79	0.00	5.76	6.98
30	2.44		0.28	0.98	0.22	6.88	2.32	0.00	1.44	0.00	3.71	3.30
31	4.65		0.20		1.61		2.53	0.00		0.00		2.10
Mean	1.55	6.09	1.43	2.08	1.23	5.10	2.44	4.29	2.66	2.15	1.89	1.65

Yearly Mean = 2.71

Flare Index of Solar Activity Southern Hemisphere 1992

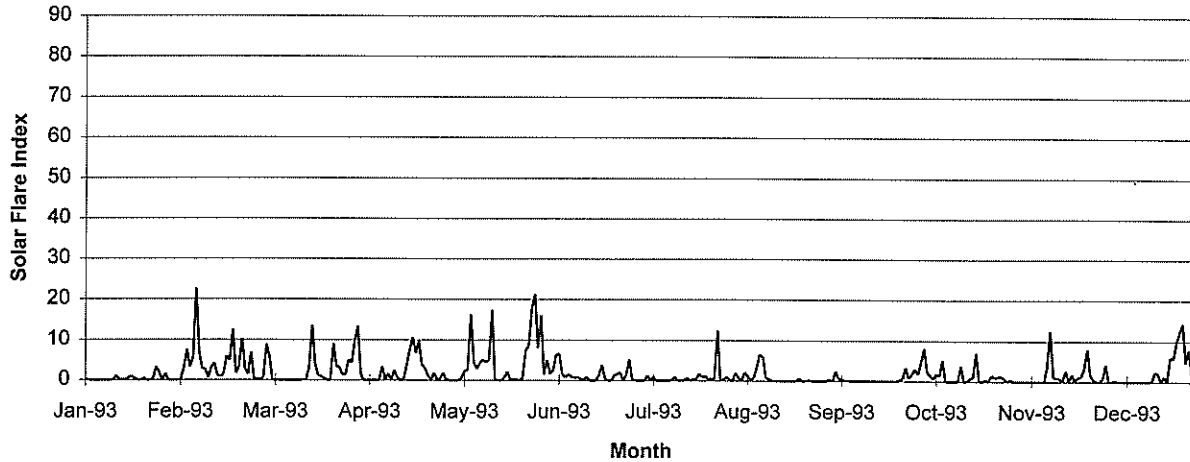
39
Misc



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16.99	5.56	3.45	11.64	1.80	0.00	0.00	1.85	0.56	1.35	1.88	0.22
2	17.78	17.16	0.22	2.51	3.85	0.82	0.00	4.63	6.65	8.56	12.80	1.04
3	14.81	18.02	1.77	3.00	4.02	0.61	0.00	13.77	7.52	1.56	1.78	0.00
4	16.32	6.50	4.65	2.71	21.61	0.00	0.00	6.31	15.15	4.20	1.09	0.00
5	18.71	9.43	2.41	7.95	14.65	0.00	7.58	6.96	17.01	2.30	1.32	1.06
6	3.31	44.94	0.41	12.10	4.35	0.88	3.35	7.63	33.56	1.63	3.15	0.00
7	5.72	37.14	0.81	9.68	11.35	0.00	17.38	7.60	23.94	15.53	4.07	4.51
8	6.69	3.83	17.11	7.35	21.78	0.00	12.83	17.25	2.77	15.24	1.63	2.65
9	5.78	7.40	2.96	4.92	0.98	3.31	11.55	5.27	3.55	13.16	5.97	4.21
10	1.24	3.43	8.96	4.49	0.00	2.17	17.19	4.72	0.00	8.33	3.18	3.37
11	1.58	1.99	3.78	2.13	1.94	3.05	6.68	4.74	0.00	3.35	0.23	3.57
12	0.45	1.68	2.96	1.50	2.77	1.20	6.59	3.83	0.00	1.94	0.53	5.60
13	0.00	0.78	5.17	0.88	3.95	1.12	14.74	3.13	0.99	0.11	1.94	8.77
14	5.76	22.74	3.38	3.97	4.05	0.21	15.58	5.13	0.00	0.00	2.59	8.23
15	10.25	20.18	25.51	5.45	0.89	2.66	14.90	2.03	0.69	0.00	3.26	6.58
16	0.45	12.85	7.33	4.57	1.23	0.86	6.45	1.36	0.79	0.00	5.43	10.88
17	4.93	13.36	1.96	35.02	0.13	16.39	3.64	0.08	1.46	0.31	9.12	0.00
18	1.22	6.71	0.11	10.47	0.82	3.32	4.96	0.00	0.65	2.31	28.62	0.56
19	0.45	6.04	2.00	10.91	0.80	3.65	0.21	0.85	1.20	0.00	3.84	0.00
20	0.00	1.58	2.55	15.95	0.00	0.46	0.00	0.00	0.00	3.27	1.14	1.13
21	0.35	10.93	1.65	11.88	9.42	7.95	8.86	0.00	1.69	3.85	2.76	2.06
22	0.66	4.25	0.19	7.42	4.87	0.16	1.41	0.00	0.35	0.89	1.94	0.82
23	2.18	4.25	1.76	12.74	0.00	0.00	0.65	0.21	1.34	0.64	14.41	2.86
24	1.54	3.86	1.12	3.27	0.22	0.00	0.42	0.44	2.13	0.94	1.55	2.42
25	11.06	1.36	2.48	1.33	0.80	0.00	0.39	0.00	0.21	6.26	0.00	1.97
26	14.35	0.48	1.85	1.68	0.10	1.73	1.14	0.00	1.01	20.42	0.44	1.20
27	0.51	5.90	0.98	0.23	0.10	0.00	2.94	1.04	3.28	18.97	0.53	0.47
28	7.29	1.63	3.30	0.89	0.00	0.00	0.00	0.64	2.79	8.35	0.99	0.09
29	15.04	16.26	2.50	1.23	0.00	0.00	0.48	0.00	0.00	16.17	1.33	0.58
30	47.32		5.50	8.37	0.17	0.00	1.47	4.09	0.57	36.26	2.90	0.52
31	14.58		7.68		1.01		0.74	1.84		2.84		1.32
Mean	7.98	10.01	4.08	6.88	3.80	1.69	5.23	3.40	4.33	6.41	4.01	2.47

Yearly Mean = 5.20

Flare Index of Solar Activity Northern Hemisphere 1993

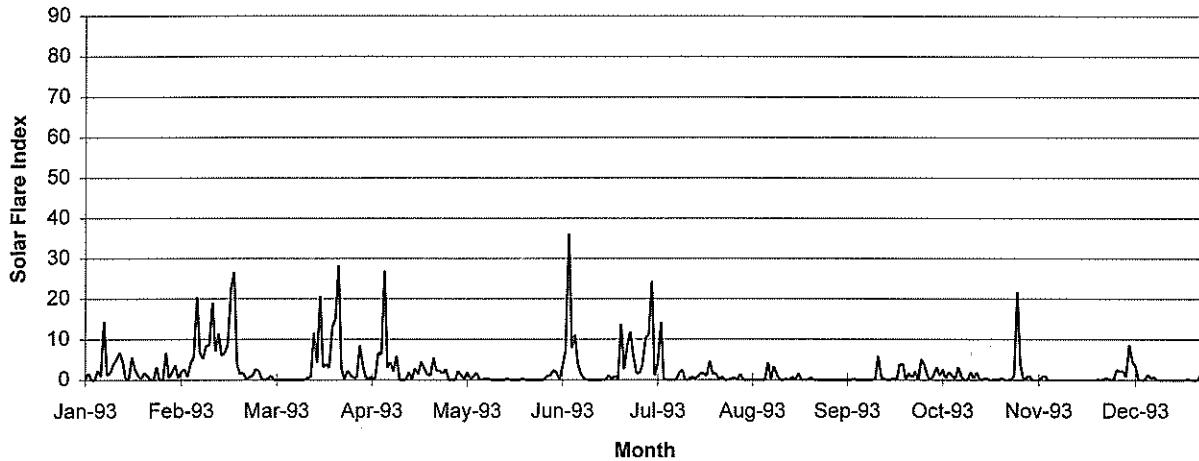


Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.19	0.00	8.88	1.45	0.00	5.06	0.00	0.00	0.00	1.75	0.00	4.25
2	0.00	2.92	5.74	0.00	0.00	1.65	0.00	1.92	0.33	4.72	0.00	0.00
3	0.00	7.52	0.00	0.00	0.00	2.61	0.00	0.77	0.00	8.16	0.00	0.00
4	0.00	3.18	0.00	0.00	0.61	6.45	1.26	0.00	2.44	2.45	0.00	0.23
5	0.00	5.77	0.00	0.00	2.35	6.64	0.15	2.08	0.54	1.40	0.00	0.00
6	0.00	22.68	0.00	0.00	2.54	1.46	0.77	1.22	0.48	0.65	0.00	0.00
7	0.00	7.02	0.00	0.00	16.33	0.81	0.00	0.27	0.11	1.79	0.00	0.00
8	0.00	2.86	0.00	3.39	4.49	1.48	0.00	0.69	0.11	1.38	0.00	0.00
9	0.00	2.67	0.00	0.18	2.89	0.98	0.00	3.35	0.00	5.25	0.00	0.00
10	0.00	0.57	0.00	1.58	4.36	0.63	0.00	6.56	0.00	0.00	0.00	0.00
11	1.07	3.28	0.00	0.19	5.02	0.81	0.00	5.90	0.00	0.00	0.00	0.00
12	0.00	4.15	0.00	2.48	4.62	0.47	0.21	0.77	0.00	0.00	3.41	0.00
13	0.15	1.27	0.16	0.54	4.92	0.19	0.92	0.47	0.00	0.00	12.55	0.00
14	0.00	0.83	0.00	0.00	17.50	0.76	0.00	0.08	0.00	0.00	1.17	0.00
15	0.59	1.57	3.08	0.20	0.27	0.00	0.20	0.00	0.00	3.76	0.95	0.00
16	0.89	6.00	13.66	3.76	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.02
17	0.35	4.76	4.27	7.78	0.00	0.00	0.65	0.00	0.00	0.00	0.06	2.33
18	0.00	12.54	1.19	10.62	0.65	1.38	0.00	0.00	0.00	0.78	2.71	2.05
19	0.00	1.68	0.91	6.78	2.09	3.81	0.39	0.00	0.00	1.10	0.25	0.13
20	0.39	3.34	0.39	9.74	0.29	0.41	0.31	0.00	0.00	7.07	1.73	1.26
21	0.00	10.29	0.00	3.82	0.31	0.00	1.67	0.00	0.00	0.00	0.15	0.00
22	0.00	2.86	0.00	2.98	0.18	0.00	0.94	0.00	0.00	0.00	1.07	6.04
23	0.40	1.44	9.06	1.12	0.00	1.17	1.15	0.70	0.00	0.37	1.23	5.60
24	3.26	6.91	3.40	0.23	0.60	1.60	0.35	0.00	0.00	0.00	3.35	9.81
25	1.78	0.15	3.28	1.81	7.40	1.98	0.46	0.00	0.28	1.55	8.03	12.38
26	0.00	0.32	1.43	0.13	8.79	0.00	0.42	0.23	0.67	1.00	1.76	14.43
27	1.55	0.00	1.37	0.52	18.04	1.42	12.44	0.00	3.33	1.12	0.41	4.71
28	0.00	0.87	5.00	1.73	21.21	5.18	0.23	0.00	0.82	1.26	0.00	7.85
29	0.00		4.29	0.17	8.00	0.19	0.29	0.00	1.71	0.81	0.00	1.92
30	0.00		9.96	0.00	16.11	0.11	0.93	0.00	2.99	0.00	0.78	17.43
31	0.00		13.45		1.39		0.35	0.00		0.38		4.09
Mean	0.34	4.20	2.89	2.04	4.87	1.57	0.78	0.81	0.46	1.51	1.35	3.05

Yearly Mean = 1.99

Flare Index of Solar Activity Southern Hemisphere 1993

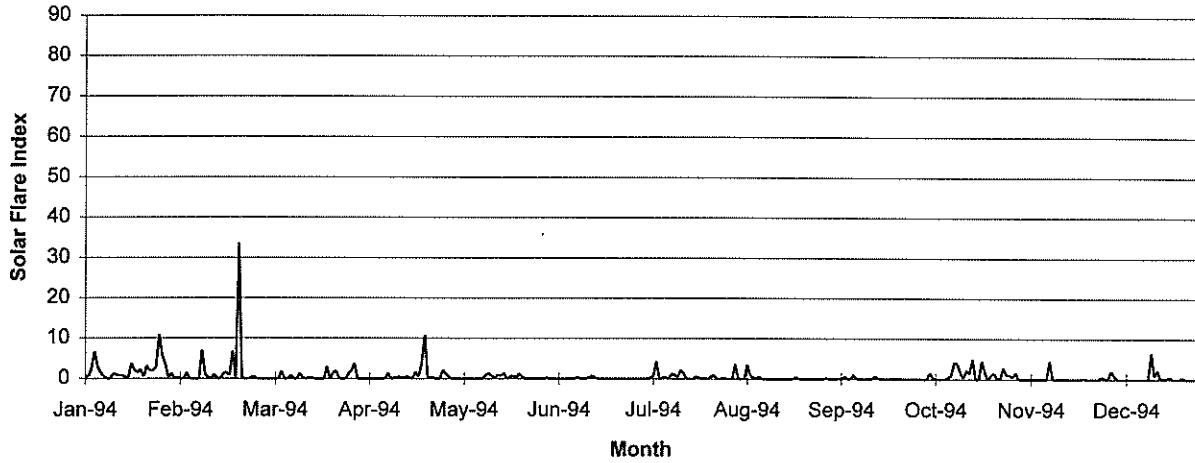
41
Misc



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.34	1.97	0.26	3.75	0.00	1.02	3.81	0.00	0.00	3.73	4.00	0.19
2	1.72	2.72	1.06	0.52	2.14	2.35	10.35	1.27	0.00	1.04	0.33	2.52
3	0.00	0.83	0.00	0.38	1.18	2.00	11.15	0.00	0.00	0.00	0.59	2.10
4	0.00	4.03	0.00	0.58	0.31	0.17	24.36	0.00	0.00	1.11	0.96	2.25
5	2.31	5.63	0.00	0.39	1.89	3.38	1.04	0.00	0.00	3.19	0.00	0.66
6	0.92	20.49	0.00	6.69	0.36	7.20	4.10	0.00	0.00	1.14	0.00	8.74
7	14.48	6.81	0.00	6.27	0.86	36.11	14.23	0.00	0.00	2.56	0.00	4.54
8	1.21	5.22	0.00	26.95	1.73	7.86	0.19	0.00	0.20	0.46	0.77	3.42
9	1.75	8.34	0.00	2.99	0.20	11.13	0.00	0.00	0.00	2.00	1.04	0.15
10	3.72	8.50	0.00	4.34	0.13	4.00	0.00	0.00	0.00	1.02	0.00	0.00
11	5.08	19.03	0.00	2.05	0.32	1.38	0.00	4.26	0.00	0.35	0.00	0.00
12	6.79	7.00	0.00	5.88	0.29	0.34	0.00	0.29	0.00	3.13	0.00	1.37
13	4.57	11.39	0.00	0.00	0.00	0.00	1.67	3.33	0.00	0.85	0.00	0.45
14	0.39	6.07	0.58	0.00	0.00	0.00	2.39	1.09	0.00	0.00	0.00	0.79
15	0.36	6.68	0.61	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
16	5.54	8.82	11.55	1.81	0.00	0.00	0.00	0.00	5.82	1.88	0.00	0.00
17	2.71	22.61	4.29	0.27	0.00	0.00	0.65	0.21	0.63	0.43	0.00	0.00
18	1.09	26.63	20.65	2.82	0.38	0.08	0.34	0.00	0.25	1.82	0.00	0.00
19	0.44	4.12	3.13	1.31	0.00	0.00	0.65	0.68	0.00	0.14	0.00	0.00
20	1.67	1.45	3.93	4.50	0.00	1.18	1.56	0.02	0.00	0.12	0.00	0.00
21	1.04	1.73	2.94	2.74	0.00	0.10	1.63	1.58	0.40	0.46	0.00	0.00
22	0.00	0.22	12.96	1.35	0.00	0.99	0.88	0.00	0.00	0.00	0.00	0.00
23	0.09	0.67	15.09	1.14	0.44	0.25	4.60	0.08	3.85	0.00	0.00	0.00
24	3.16	0.96	28.33	5.40	0.00	13.74	1.35	0.00	3.93	0.19	0.00	0.00
25	0.00	2.60	2.75	2.21	0.00	2.63	1.63	0.54	0.07	0.00	0.00	0.24
26	0.00	2.34	0.16	2.35	0.00	8.48	0.00	0.00	1.71	0.45	0.11	0.00
27	6.65	0.40	2.23	1.56	0.00	11.79	0.76	0.00	0.56	0.00	0.00	0.00
28	0.51	0.00	1.20	2.68	0.00	6.06	0.00	0.00	2.05	0.00	0.32	0.00
29	1.92		0.59	0.00	0.00	1.73	0.00	0.00	0.00	0.18	0.36	1.40
30	3.60		0.58	0.13	0.00	1.58	0.25	0.00	5.10	0.92	0.00	1.21
31	0.47		8.45		1.02		0.51	0.00		21.68		0.48
Mean	2.34	6.69	3.91	3.04	0.36	4.19	2.84	0.43	0.83	1.58	0.28	0.98

Yearly Mean = 2.29

Flare Index of Solar Activity Northern Hemisphere 1994

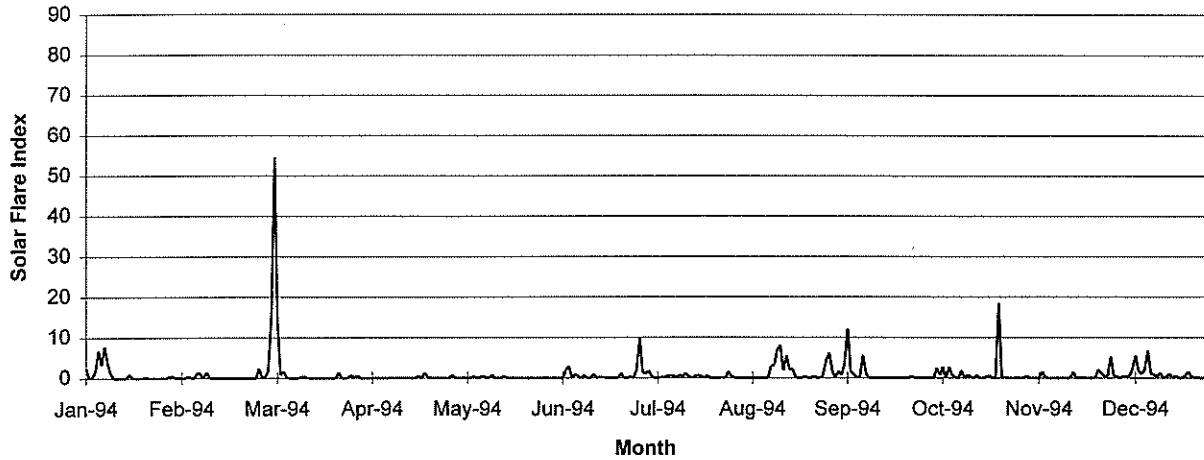


Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.76	0.08	0.00	0.00	0.00	0.27	0.00	0.00	0.25	0.00	0.49	0.00
2	0.52	0.00	0.00	0.00	0.11	0.00	0.00	3.65	0.00	0.00	1.55	0.27
3	2.42	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09
4	6.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77
5	3.11	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.17	1.49	0.00	0.00
6	1.47	0.00	1.75	0.00	0.00	0.00	0.71	3.52	0.00	0.37	0.00	0.00
7	0.55	0.00	0.00	0.00	0.00	0.00	4.29	0.77	0.62	0.00	0.00	0.00
8	0.08	6.98	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00
9	0.00	1.21	0.79	0.00	0.00	0.00	0.21	0.18	0.00	0.00	0.00	0.00
10	1.09	0.23	0.00	1.41	0.00	0.00	0.46	0.51	1.04	0.00	0.00	0.00
11	1.05	0.13	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.35	0.00	0.00
12	0.77	0.99	1.30	0.20	0.86	0.00	1.25	0.00	0.00	0.98	0.00	0.00
13	0.73	0.00	0.28	0.43	1.32	0.00	0.94	0.00	0.00	4.16	4.55	0.00
14	0.44	0.00	0.00	0.35	0.69	0.13	0.46	0.00	0.00	3.89	0.00	0.00
15	0.38	1.25	0.17	0.13	0.19	0.39	2.19	0.00	0.00	1.59	0.00	0.00
16	3.71	1.57	0.15	0.54	0.94	0.75	1.45	0.00	0.00	0.36	0.00	6.46
17	2.19	0.75	0.00	0.23	0.69	0.23	0.00	0.00	0.77	2.16	0.00	0.77
18	1.51	6.71	0.00	0.00	1.45	0.00	0.00	0.00	0.27	1.42	0.00	2.31
19	2.25	0.20	0.00	1.64	0.00	0.00	0.00	0.00	0.00	4.97	0.00	0.23
20	0.48	33.60	0.00	0.47	0.53	0.00	0.54	0.00	0.00	0.00	0.00	0.00
21	3.11	0.16	2.96	3.56	0.67	0.00	0.36	0.00	0.00	0.00	0.00	0.21
22	2.00	0.00	0.00	10.73	0.34	0.00	0.00	0.45	0.00	4.46	0.00	0.56
23	2.00	0.00	1.47	0.15	1.27	0.00	0.13	0.09	0.17	1.72	0.00	0.00
24	2.82	0.23	1.94	0.23	0.47	0.00	0.00	0.00	0.00	0.00	0.23	0.00
25	10.92	0.49	0.00	0.21	0.00	0.00	0.55	0.00	0.10	0.96	0.00	0.00
26	5.83	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	1.53	0.00	0.43
27	3.82	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.30	0.00	1.12	2.12	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00
29	1.23		1.99	1.17	0.00	0.00	0.17	0.00	0.00	2.78	0.00	0.00
30	0.00		3.72	0.42	0.00	0.00	0.00	0.00	0.00	1.06	0.67	0.00
31	0.37		0.00		0.00		0.00	0.00		1.03		0.00
Mean	2.02	2.00	0.57	0.80	0.31	0.07	0.48	0.31	0.11	1.15	0.25	0.45

Yearly Mean = 0.70

Flare Index of Solar Activity Southern Hemisphere 1994

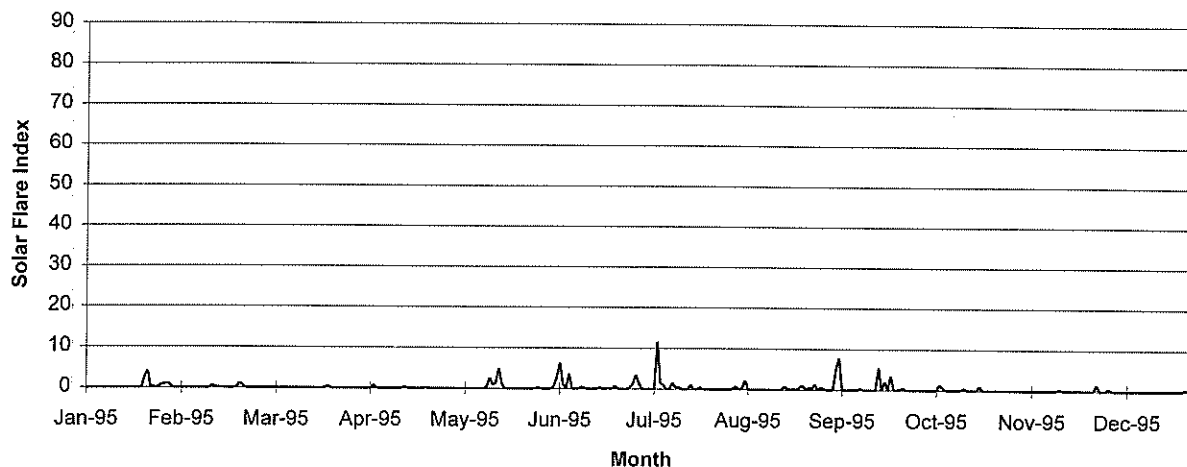
43
Misc



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.56	0.00	1.65	0.00	0.00	0.00	1.38	0.00	1.72	0.00	0.00	0.47
2	0.13	0.00	15.25	0.00	0.00	0.00	1.12	0.00	0.05	0.00	0.00	0.40
3	0.17	0.42	54.67	0.00	0.00	0.00	1.75	0.00	1.58	0.00	0.54	0.00
4	1.67	0.12	13.70	0.00	0.00	0.00	0.38	0.00	0.76	0.00	0.00	0.43
5	6.75	0.00	0.79	0.00	0.00	0.00	0.00	0.00	3.38	2.44	0.00	0.22
6	3.35	1.36	1.69	0.00	0.00	1.95	0.00	0.00	12.08	0.78	0.00	0.45
7	7.94	1.10	0.13	0.00	0.41	2.96	0.21	0.00	1.60	2.79	0.00	2.11
8	3.63	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.97	0.21	1.52	5.53
9	1.03	1.51	0.00	0.00	0.09	0.94	0.35	0.00	0.09	2.65	0.23	1.79
10	0.00	0.09	0.00	0.00	0.54	0.48	0.63	0.00	0.35	0.73	0.00	0.96
11	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.13	5.58	0.10	0.00	2.27
12	0.00	0.00	0.35	0.00	0.19	0.64	0.00	2.93	1.12	0.00	0.00	6.74
13	0.00	0.00	0.36	0.00	0.70	0.00	0.71	3.20	0.00	1.82	0.00	1.10
14	0.00	0.00	0.00	0.00	0.00	0.00	0.23	7.11	0.00	0.00	0.00	0.81
15	1.01	0.00	0.00	0.00	0.00	0.90	1.17	7.96	0.00	0.77	0.00	0.31
16	0.00	0.00	0.00	0.00	0.00	0.06	0.43	1.85	0.00	0.27	0.00	1.24
17	0.00	0.00	0.00	0.00	0.46	0.23	0.00	5.54	0.00	0.00	0.00	0.13
18	0.00	0.00	0.00	0.00	0.00	0.16	0.27	2.07	0.00	0.65	1.44	0.31
19	0.00	0.00	0.00	0.57	0.00	0.13	0.66	2.21	0.00	0.00	0.00	0.96
20	0.16	0.00	0.00	0.00	0.00	0.00	0.48	0.31	0.00	0.00	0.15	0.00
21	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.45
22	0.00	0.00	0.00	0.28	0.00	0.00	0.50	0.00	0.00	0.57	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00
24	0.00	0.00	1.38	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.46
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.49	0.00	1.57
26	0.00	2.38	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	2.04	0.38
27	0.00	0.21	0.00	0.00	0.00	0.32	0.13	0.00	0.52	0.32	1.21	0.21
28	0.39	0.36	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00
29	0.49	0.12	0.00	0.00	0.00	2.03	1.49	0.73	0.00	0.00	0.52	0.00
30	0.00	0.58	0.69	0.00	0.00	9.79	0.48	4.28	0.00	0.00	5.25	0.00
31	0.19	0.00	0.00	0.00	0.00	0.00	0.00	6.21	0.00	0.19	0.00	0.00
Mean	0.95	0.27	2.95	0.09	0.08	0.72	0.42	1.47	0.99	1.06	0.44	0.94

Yearly Mean = 0.87

Flare Index of Solar Activity Northern Hemisphere 1995

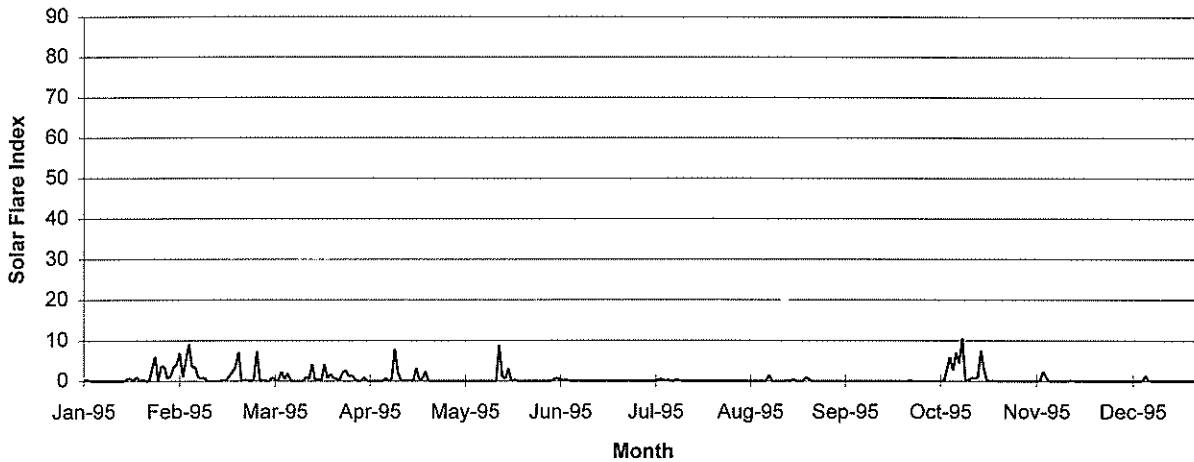


Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.21	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.56
3	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.08	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	2.88	0.00	0.27	5.37	0.00	0.00	0.00
5	0.00	0.00	0.00	0.75	0.00	6.32	0.00	2.25	7.83	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	11.63	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	3.70	1.43	0.00	0.00	1.41	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.54	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.15	0.00	0.00	0.38	0.44	1.49	0.00	0.36	0.00	0.00	0.00
13	0.00	0.10	0.00	0.00	2.61	0.27	0.45	0.00	0.00	0.00	0.00	0.00
14	0.00	0.08	0.00	0.00	0.86	0.00	0.56	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.42	1.38	0.00	0.00	0.00	0.00	0.13	0.00	0.00
16	0.00	0.00	0.00	0.00	4.98	0.00	0.00	0.00	0.00	0.55	0.48	0.00
17	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.04	0.30	1.08	0.86	5.51	0.00	0.00	0.00
19	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
20	2.80	1.17	0.13	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.00	0.00
21	4.10	0.66	0.48	0.00	0.00	0.22	0.49	0.36	0.15	1.04	0.00	0.00
22	0.15	0.00	0.00	0.23	0.00	0.00	0.00	0.00	3.52	0.00	0.22	0.00
23	0.15	0.00	0.00	0.00	0.00	0.75	0.00	0.53	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
25	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.18	0.00	0.00	0.00
26	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.49	0.00	0.00	0.00
27	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.36
28	0.96	0.00	0.00	0.00	0.17	0.39	0.00	1.36	0.00	0.00	1.46	0.00
29	0.00	0.00	0.00	0.00	0.18	1.24	0.00	0.00	0.00	0.00	0.00	0.25
30	0.00	0.00	0.00	0.00	0.00	3.40	0.00	0.60	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00
Mean	0.34	0.11	0.02	0.05	0.37	0.72	0.63	0.31	0.85	0.12	0.07	0.04

Yearly Mean = 0.30

Flare Index of Solar Activity Southern Hemisphere 1995

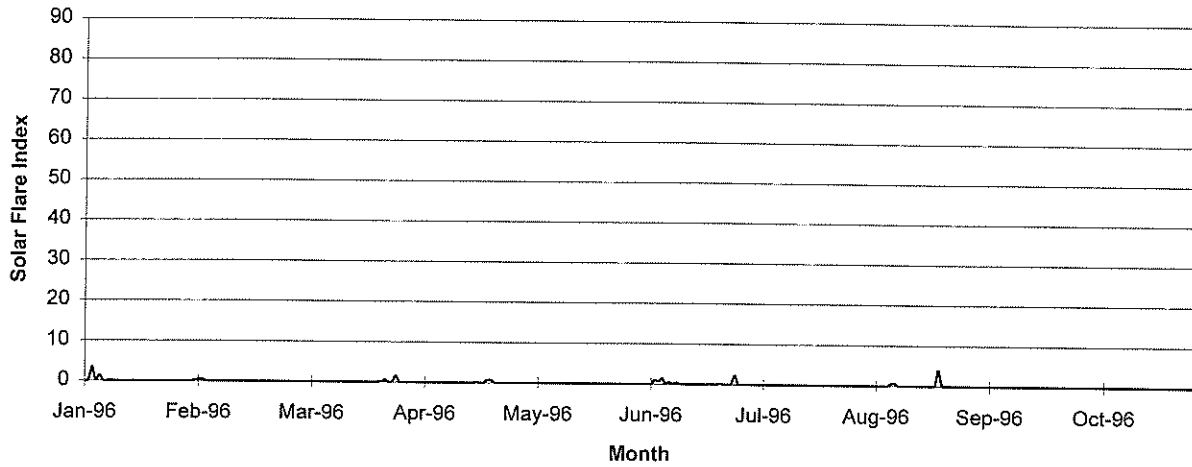
**45
Misc**



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.48	1.08	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.09	5.17	0.89	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	9.13	0.32	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	3.46	0.10	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	3.44	2.33	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	1.00	0.52	0.00	0.00	0.31	0.38	0.00	0.00	0.08	0.00	0.00
8	0.00	0.67	1.91	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00
9	0.00	0.87	0.08	0.65	0.00	0.00	0.00	0.00	0.00	2.96	2.29	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	5.96	1.04	0.00
11	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	2.69	0.00	0.00
12	0.00	0.00	0.00	7.88	0.00	0.00	0.00	1.50	0.00	7.03	0.00	1.35
13	0.00	0.00	0.00	2.13	0.00	0.00	0.47	0.00	0.00	4.46	0.00	0.20
14	0.00	0.00	0.96	0.14	0.00	0.00	0.00	0.00	0.00	10.63	0.00	0.00
15	0.60	0.23	0.41	0.13	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00
16	0.65	0.18	4.15	0.11	8.80	0.00	0.00	0.00	0.00	0.28	0.00	0.00
17	0.00	1.26	0.00	0.21	1.15	0.00	0.00	0.00	0.00	0.78	0.00	0.00
18	1.05	2.19	0.48	0.00	0.58	0.00	0.00	0.19	0.00	0.79	0.15	0.00
19	0.00	3.44	0.00	3.09	3.08	0.00	0.00	0.00	0.00	0.82	0.00	0.00
20	0.40	7.13	4.14	0.33	0.00	0.00	0.00	0.36	0.00	7.54	0.00	0.00
21	0.00	0.14	0.65	0.67	0.30	0.00	0.00	0.00	0.00	3.00	0.00	0.00
22	0.00	0.25	1.78	2.33	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00
23	2.92	0.20	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
24	6.05	0.00	0.58	0.00	0.00	0.00	0.00	0.88	0.00	0.08	0.00	0.00
25	0.19	0.32	0.25	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
26	3.74	7.35	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	3.57	0.00	2.61	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
28	0.71	0.32	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	1.21		1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	3.54		0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	4.00		0.00		0.00		0.00	0.00		0.00		0.00
Mean	0.94	1.96	0.90	0.63	0.45	0.07	0.05	0.11	0.01	1.54	0.12	0.05

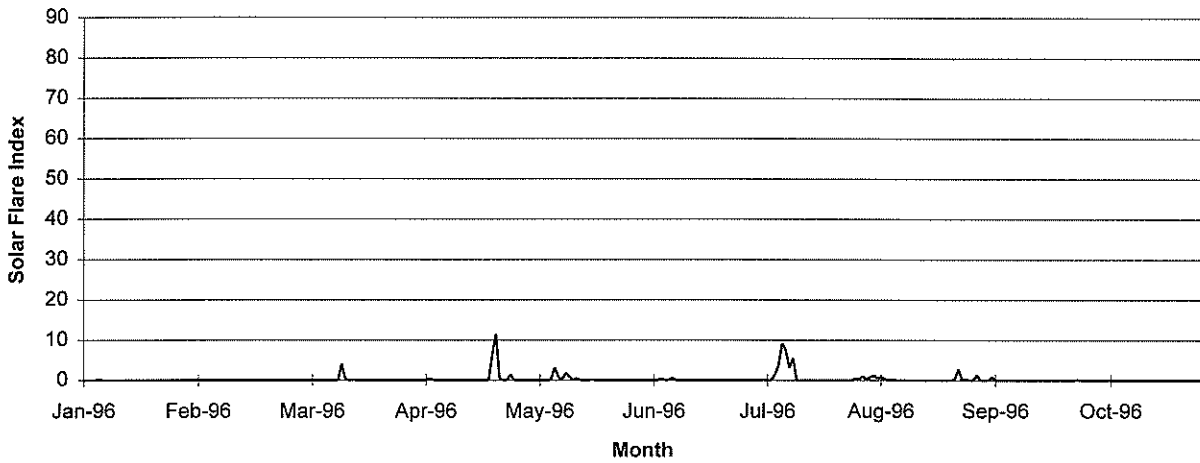
Yearly Mean = 0.56

Flare Index of Solar Activity Northern Hemisphere 1996



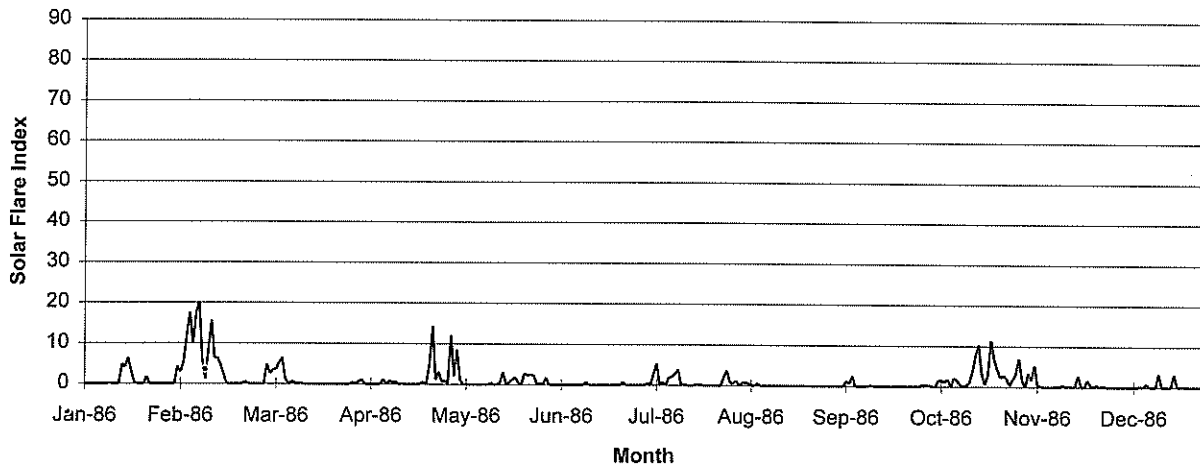
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
2	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
3	3.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
5	1.55	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	---	---
6	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	---	---
7	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00	---	---
8	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
9	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.55	0.00	0.00	---	---
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	---	---
11	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	---	---
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
17	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	---	---
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
20	0.00	0.00	0.00	0.66	0.00	0.10	0.00	0.00	0.00	0.00	---	---
21	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00	---	---
22	0.00	0.00	0.15	0.00	0.00	0.00	0.00	4.21	0.00	0.00	---	---
23	0.00	0.00	0.64	0.00	0.00	0.22	0.00	0.00	0.00	0.00	---	---
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
26	0.00	0.00	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
27	0.00	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00	---	---
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
31	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
Mean	0.18	0.04	0.08	0.06	0.00	0.23	0.00	0.18	0.00	0.00	---	---

Flare Index of Solar Activity Southern Hemisphere 1996



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	---	---
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	---	---
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	---	---
4	0.00	0.00	0.00	0.48	0.00	0.00	0.11	0.54	0.77	0.00	---	---
5	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	---	---
6	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.36	0.00	0.00	---	---
7	0.00	0.00	0.00	0.00	0.23	0.00	1.36	0.00	0.00	0.00	---	---
8	0.00	0.00	0.00	0.00	3.19	0.00	3.66	0.20	0.00	0.00	---	---
9	0.00	0.00	0.00	0.00	0.70	0.64	9.28	0.00	0.00	0.00	---	---
10	0.00	0.00	0.00	0.00	0.30	0.00	7.44	0.00	0.00	0.00	---	---
11	0.00	0.00	4.04	0.00	1.81	0.00	3.11	0.00	0.00	0.00	---	---
12	0.00	0.00	0.30	0.00	0.90	0.00	5.50	0.00	0.00	0.00	---	---
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
14	0.00	0.00	0.11	0.00	0.51	0.00	0.00	0.00	0.00	0.00	---	---
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
18	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	---	---
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
20	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	---	---
21	0.00	0.00	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	---	---
22	0.00	0.00	0.00	11.48	0.00	0.00	0.00	0.00	0.00	0.00	---	---
23	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	---	---
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	---	---
26	0.00	0.00	0.00	1.35	0.00	0.00	0.00	2.81	0.00	0.00	---	---
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	---	---
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	---	---
29	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	---	---
30	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	---	---
31	0.00	0.00	0.00	0.00	0.00	0.00	0.99	1.30	0.00	0.00	---	---
Mean	0.01	0.00	0.14	0.68	0.25	0.04	1.04	0.29	0.03	0.00	---	---

Flare Index of Solar Activity Full Disk 1986



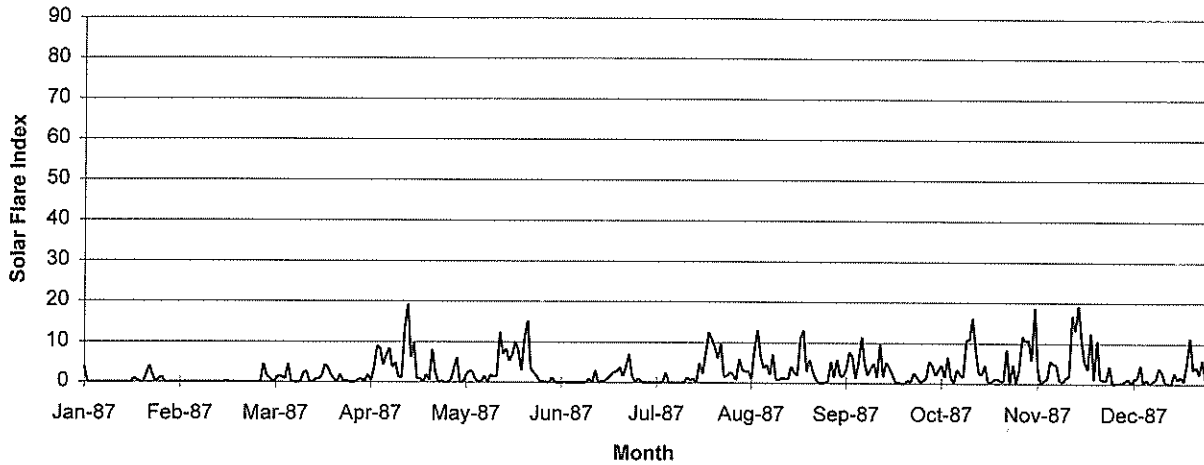
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	2.88	4.90	1.03	2.02	0.00	0.00	1.17	0.00	0.51	6.98	0.00
2	0.00	5.45	2.58	0.00	8.60	0.00	0.00	0.00	0.00	0.25	1.71	0.00
3	0.00	12.03	3.52	0.00	1.08	0.00	0.50	0.63	0.00	0.34	0.00	0.00
4	0.00	17.64	3.70	0.00	0.00	0.00	0.00	0.74	0.00	0.00	3.26	0.00
5	0.00	10.00	5.34	0.00	0.00	0.00	2.67	0.54	0.00	0.00	1.58	0.00
6	0.00	17.45	6.47	0.00	0.00	0.00	5.36	0.19	1.23	1.46	5.21	0.00
7	0.00	20.29	1.30	0.00	0.00	0.00	0.21	0.00	0.70	1.54	0.41	0.00
8	0.00	6.40	0.00	1.26	0.00	0.00	0.83	0.55	2.46	1.13	0.21	0.00
9	0.25	1.18	0.62	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00
10	0.00	8.33	0.43	0.82	0.00	0.00	1.93	0.00	0.00	0.00	0.00	0.19
11	0.00	15.67	0.00	0.38	0.00	0.00	2.00	0.00	0.00	2.07	0.00	0.00
12	0.00	6.33	0.31	0.67	0.00	0.00	2.71	0.00	0.00	1.58	0.00	0.82
13	4.87	6.42	0.00	0.00	0.38	0.71	3.91	0.00	0.00	0.46	0.13	0.00
14	4.12	4.68	0.00	0.17	0.00	0.00	0.19	0.00	0.21	0.00	0.00	0.00
15	6.38	2.21	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.33	0.45	0.00
16	3.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.88	0.00	3.29
17	0.51	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	3.58	0.23	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.56	0.00	0.00
19	0.00	0.00	0.00	0.00	0.55	0.00	0.20	0.00	0.00	10.29	0.02	0.00
20	0.00	0.00	0.00	0.17	1.19	0.00	0.19	0.00	0.00	3.33	2.74	0.00
21	1.70	0.00	0.00	0.53	1.73	0.00	0.00	0.00	0.00	0.61	0.00	3.12
22	0.00	0.53	0.00	0.00	0.45	0.00	0.00	0.00	0.00	2.84	0.00	0.00
23	0.00	0.00	0.00	4.85	0.17	0.00	0.00	0.00	0.00	11.44	1.61	0.07
24	0.00	0.00	0.00	14.35	2.70	0.00	0.00	0.00	0.00	6.85	0.44	0.17
25	0.00	0.00	0.00	1.13	2.26	0.69	0.00	0.00	0.00	4.42	0.00	0.00
26	0.13	0.00	0.00	3.06	2.47	0.00	0.00	0.00	0.00	2.33	0.49	0.00
27	0.00	0.00	0.00	0.60	2.31	0.00	0.00	0.00	0.00	2.74	0.00	0.00
28	0.00	0.00	0.00	0.98	0.19	0.00	2.08	0.00	0.00	2.08	0.34	0.00
29	0.00	0.00	0.47	0.21	0.40	0.00	3.65	0.00	0.00	0.41	0.00	0.00
30	0.00	0.00	0.00	12.14	0.00	0.00	0.83	0.00	0.00	1.75	0.00	0.00
31	4.30	0.74	1.69	0.48	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00
Mean	0.81	4.91	0.98	1.41	1.02	0.05	0.90	0.12	0.15	2.44	0.86	0.25

Yearly Mean = 1.13

Flare Index of Solar Activity

Full Disk

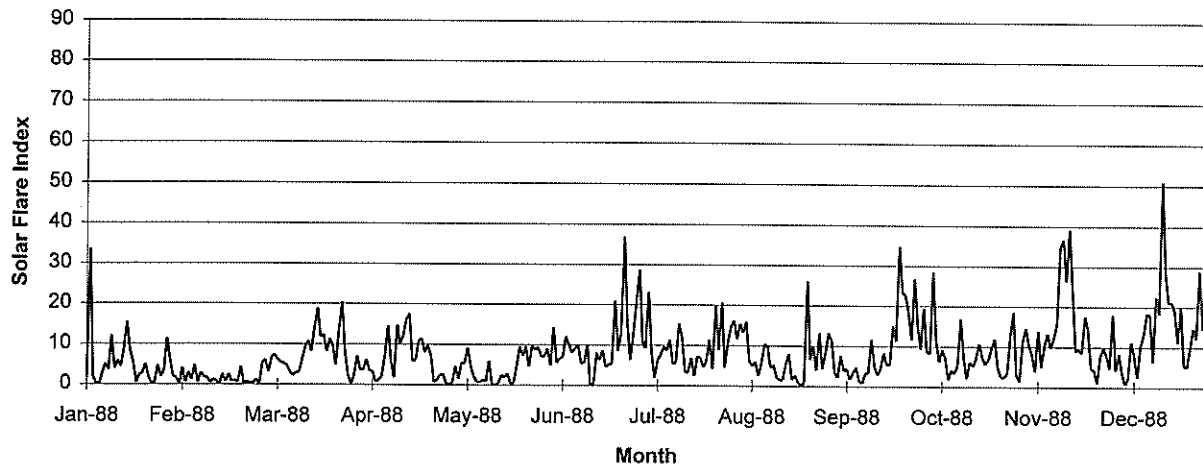
1987



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.78	0.00	1.73	0.65	3.32	0.00	0.19	0.64	5.38	0.66	3.52	0.00
2	0.00	0.00	0.99	0.19	6.13	1.25	0.00	5.90	1.56	1.45	11.74	0.13
3	0.00	0.00	0.00	1.86	0.00	0.00	0.00	3.40	5.83	5.42	10.40	0.15
4	0.00	0.00	0.73	0.36	0.00	0.00	0.00	2.75	1.82	4.45	10.87	0.23
5	0.00	0.00	1.46	3.26	1.73	0.00	0.00	3.04	1.77	2.07	5.82	0.55
6	0.00	0.00	1.36	8.99	2.79	0.10	0.00	1.11	3.46	3.38	18.79	1.21
7	0.00	0.00	0.73	8.40	2.69	0.00	0.00	8.60	7.75	4.60	3.69	0.00
8	0.00	0.00	4.56	4.25	0.83	0.00	0.21	13.18	6.46	1.53	0.00	1.35
9	0.00	0.00	0.19	6.66	0.00	0.00	2.44	6.67	1.26	6.59	0.81	1.31
10	0.00	0.00	0.00	8.47	0.24	0.00	0.13	3.68	5.21	1.51	1.20	4.53
11	0.00	0.00	0.00	3.70	1.60	0.00	0.00	4.58	11.50	0.27	5.67	0.00
12	0.00	0.00	0.00	4.85	0.00	0.00	0.00	2.06	5.00	3.49	4.94	1.13
13	0.00	0.00	2.38	1.44	1.87	0.00	0.00	7.08	2.09	2.17	4.60	0.00
14	0.00	0.00	2.68	0.96	1.40	0.95	0.00	1.02	3.73	1.61	0.81	0.59
15	0.00	0.00	0.15	13.36	1.60	0.00	0.13	0.73	4.96	10.85	0.35	1.16
16	0.00	0.23	0.00	19.21	12.47	3.02	1.25	1.31	1.54	10.79	1.47	3.87
17	0.92	0.00	0.73	6.15	7.04	0.00	0.54	1.08	9.68	16.21	1.89	2.91
18	0.50	0.00	0.83	9.88	8.39	0.31	1.08	1.00	1.65	8.44	16.79	0.35
19	0.00	0.00	1.50	0.79	5.31	0.42	0.00	4.16	5.23	2.61	13.11	0.07
20	0.00	0.00	4.33	0.94	6.78	1.00	4.87	2.63	3.96	2.29	19.27	0.00
21	1.90	0.00	3.63	0.00	10.13	1.80	2.27	1.92	2.33	4.53	11.00	2.73
22	4.11	0.00	1.83	1.91	7.69	2.65	7.02	11.25	0.23	0.35	5.40	1.09
23	1.81	0.00	0.67	0.36	2.96	2.73	12.59	13.06	0.21	0.38	3.52	1.77
24	0.00	0.00	0.00	8.08	10.94	3.81	10.78	2.97	0.00	1.01	12.58	0.63
25	0.81	0.00	1.95	2.45	15.32	1.62	9.08	5.78	0.00	1.27	1.04	5.12
26	1.33	0.00	0.00	0.00	3.57	3.92	6.04	3.09	0.73	0.54	10.70	11.45
27	0.00	0.00	0.34	0.32	2.48	7.10	9.64	1.15	0.34	0.65	1.11	3.58
28	0.00	4.56	0.00	0.00	1.58	1.61	1.58	0.04	2.65	8.48	0.94	4.27
29	0.00	0.00	0.00	0.00	0.25	0.00	1.74	0.09	1.58	0.14	0.86	2.33
30	0.00	0.00	0.00	0.44	0.17	1.09	2.59	0.00	0.40	4.74	4.37	5.89
31	0.00	0.00	0.77	0.00	0.13	0.00	2.10	0.52	0.00	0.14	0.00	1.19
Mean	0.49	0.17	1.08	3.93	3.85	1.11	2.46	3.69	3.28	3.63	6.24	1.92

Yearly Mean = 2.66

Flare Index of Solar Activity Full Disk 1988



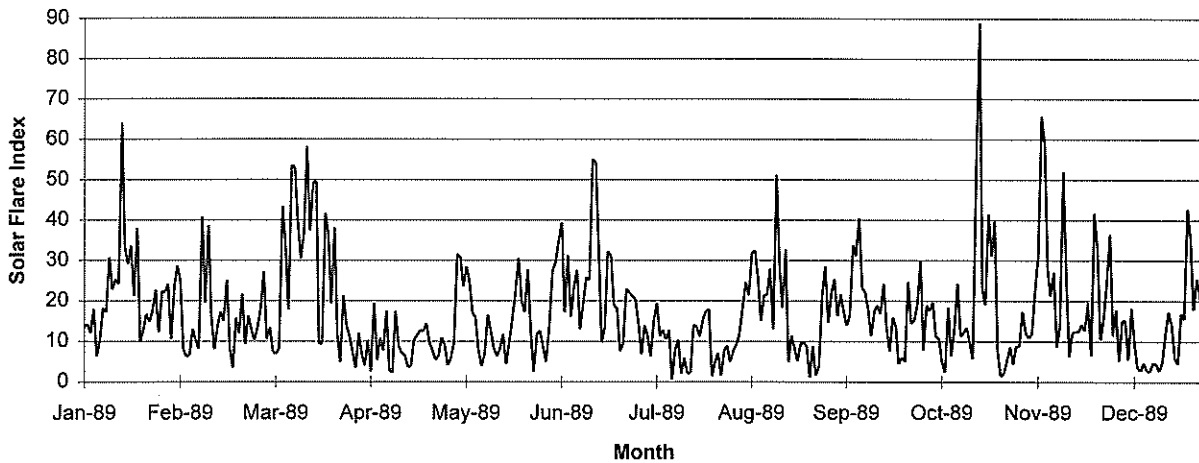
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.65	4.06	6.60	6.14	1.51	14.33	9.24	15.40	3.54	8.79	11.30	4.19
2	33.66	0.53	7.48	3.47	5.46	5.59	23.21	13.23	2.28	8.19	14.58	8.25
3	2.07	3.01	6.17	3.38	5.32	6.65	8.33	15.89	7.52	28.48	10.42	3.47
4	0.28	1.14	5.52	0.69	9.15	7.00	1.89	6.30	3.91	11.72	8.06	0.76
5	0.14	4.78	5.29	1.24	4.63	12.05	6.42	5.04	4.29	6.25	3.90	2.25
6	2.69	0.51	4.70	2.06	2.16	10.04	7.60	6.03	1.83	9.21	13.95	11.27
7	5.13	2.96	3.15	7.20	0.74	8.10	9.64	2.64	3.29	7.12	5.02	7.72
8	3.57	1.87	2.27	14.55	0.73	9.23	8.71	5.50	4.67	1.85	10.23	2.46
9	12.08	1.72	2.94	6.00	1.21	9.75	11.34	10.35	1.43	4.11	13.24	10.22
10	3.92	0.42	3.15	1.79	0.95	5.54	5.42	9.85	0.83	3.37	9.85	13.01
11	5.87	1.23	6.21	14.81	5.98	5.60	5.83	4.62	3.21	5.46	12.12	18.29
12	4.40	0.90	9.56	10.15	0.19	10.10	15.38	5.19	3.45	16.92	15.77	18.07
13	8.79	0.00	10.85	12.41	0.00	0.23	11.85	2.16	11.56	7.13	34.77	6.33
14	15.48	2.56	8.29	16.29	0.43	0.00	3.41	1.55	4.81	2.19	36.69	22.50
15	8.46	0.79	14.15	17.54	2.41	8.05	3.33	1.66	2.92	6.10	26.31	18.31
16	5.55	2.50	18.90	5.84	1.94	6.31	6.86	5.56	4.35	5.10	39.22	50.95
17	0.41	0.78	11.83	6.19	2.88	8.72	2.39	7.97	8.29	7.21	23.84	28.56
18	2.41	1.04	12.42	10.77	0.39	4.60	7.31	1.67	5.44	10.75	8.89	21.12
19	2.81	0.54	8.10	11.41	0.49	5.23	6.79	2.68	5.52	7.37	9.49	21.22
20	5.05	4.37	11.38	8.04	4.57	5.30	4.63	1.03	15.11	5.63	8.52	18.88
21	1.86	0.13	9.72	9.77	9.52	20.99	6.13	0.17	11.27	6.85	17.54	11.23
22	0.00	0.71	4.83	7.33	7.27	8.50	11.42	0.92	34.87	9.71	14.38	19.90
23	0.60	0.32	13.56	0.67	9.60	13.00	4.25	26.17	23.33	11.94	4.71	5.48
24	4.65	0.44	20.52	1.23	4.60	36.90	20.10	6.65	22.79	4.93	4.17	5.06
25	1.93	1.24	8.38	2.44	9.81	16.07	8.90	9.98	18.60	2.58	1.04	9.59
26	3.53	0.00	2.33	2.63	8.75	6.34	20.61	3.99	11.71	2.42	7.80	14.68
27	11.38	5.48	0.33	0.36	9.39	12.78	4.55	13.19	26.77	3.29	9.65	12.16
28	5.96	6.08	2.40	0.00	7.15	20.79	10.73	4.37	15.31	12.55	7.99	28.94
29	2.12	3.14	7.08	0.54	7.06	28.78	14.70	8.22	9.40	18.54	4.66	14.60
30	1.64		3.63	4.56	9.10	10.75	16.23	13.21	19.52	3.06	18.02	30.64
31	0.07		3.71		4.94		11.69	11.40		1.44		4.12
Mean	5.10	1.84	7.59	6.32	4.46	10.58	9.32	7.18	9.73	7.75	13.54	14.33

Yearly Mean = 8.14

Flare Index of Solar Activity

Full Disk

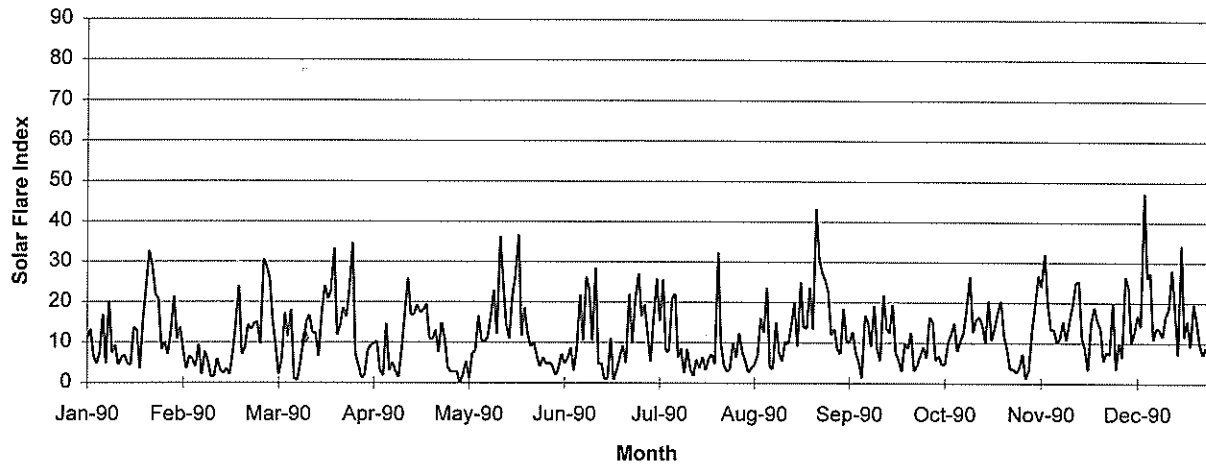
1989



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13.56	24.72	10.50	6.92	9.76	13.52	6.92	9.16	21.90	7.83	8.73	11.44
2	14.35	7.94	13.37	4.08	31.50	27.53	13.88	11.84	25.32	18.97	17.31	17.83
3	12.04	6.27	7.51	10.24	30.86	29.56	11.31	18.46	16.31	17.62	12.09	5.23
4	17.93	6.73	6.92	2.57	23.51	34.87	6.35	24.57	21.69	19.67	10.94	14.96
5	6.33	13.05	8.16	19.46	28.45	39.39	14.98	21.40	17.65	11.33	11.83	15.25
6	10.31	10.27	43.37	5.38	24.93	17.13	19.49	31.88	13.99	10.63	22.71	5.55
7	18.17	8.14	34.38	10.73	17.17	31.23	11.35	32.35	16.28	5.13	31.21	18.19
8	17.18	40.88	17.75	7.75	15.81	16.12	12.76	25.91	33.83	2.45	65.72	9.33
9	30.67	19.47	53.52	17.49	7.89	23.64	10.50	15.08	31.12	18.41	58.85	3.57
10	22.86	38.63	53.13	2.77	3.83	27.58	12.80	21.38	40.50	6.39	27.90	2.82
11	25.35	16.56	39.98	2.25	6.97	13.06	0.56	21.65	23.16	12.94	21.27	4.70
12	24.15	8.04	30.51	17.40	16.48	19.41	7.91	27.91	22.20	24.37	27.07	2.82
13	64.13	13.72	36.76	8.97	12.59	25.77	10.35	13.06	17.97	11.31	8.69	2.65
14	33.19	17.29	58.21	7.06	8.33	25.17	2.00	51.21	11.47	12.17	13.60	4.74
15	29.06	15.02	37.47	6.69	6.34	55.11	5.85	29.42	17.49	13.49	52.06	4.43
16	33.53	25.18	49.31	3.71	8.22	54.29	2.12	18.35	18.85	9.52	26.25	2.76
17	21.19	8.22	49.50	3.87	11.69	33.15	2.19	32.77	16.91	5.77	6.30	4.90
18	38.05	3.48	9.49	10.31	4.48	9.76	14.02	4.89	24.19	53.79	12.11	12.06
19	10.02	15.75	9.42	11.45	9.63	13.31	13.60	11.40	13.63	88.96	12.42	17.25
20	12.84	11.97	41.79	12.70	15.46	32.23	11.15	8.46	7.64	22.92	12.45	14.06
21	16.74	21.77	36.40	12.45	22.01	31.09	15.40	5.17	15.94	19.08	14.23	5.94
22	14.79	9.34	19.27	14.42	30.58	18.75	17.36	9.35	13.65	41.48	12.64	4.56
23	17.67	16.29	38.06	9.79	20.13	18.17	17.91	9.79	4.50	31.08	19.58	16.94
24	22.63	12.80	12.04	7.75	17.27	7.56	1.41	8.74	6.09	39.68	6.50	15.51
25	12.23	10.37	4.77	5.46	27.75	9.43	4.80	1.19	5.02	7.67	41.71	42.77
26	22.33	13.40	21.25	6.51	12.46	22.99	7.09	8.87	24.72	1.42	32.42	35.32
27	22.20	18.22	14.04	10.92	2.62	22.11	1.47	1.65	14.44	2.15	10.44	17.87
28	24.10	27.25	11.44	8.97	11.64	21.30	7.77	3.97	15.36	5.13	15.46	25.43
29	10.55		7.50	4.10	12.60	20.27	8.86	20.79	19.54	8.57	24.49	21.57
30	23.44		3.54	5.82	8.89	14.25	5.02	28.64	29.82	4.43	36.53	9.25
31	28.66		11.98		5.00		7.67	14.66		8.83		17.04
Mean	21.62	15.74	25.53	8.60	14.99	24.26	9.19	17.55	18.71	17.52	22.45	12.48

Yearly Mean = 17.39

Flare Index of Solar Activity Full Disk 1990



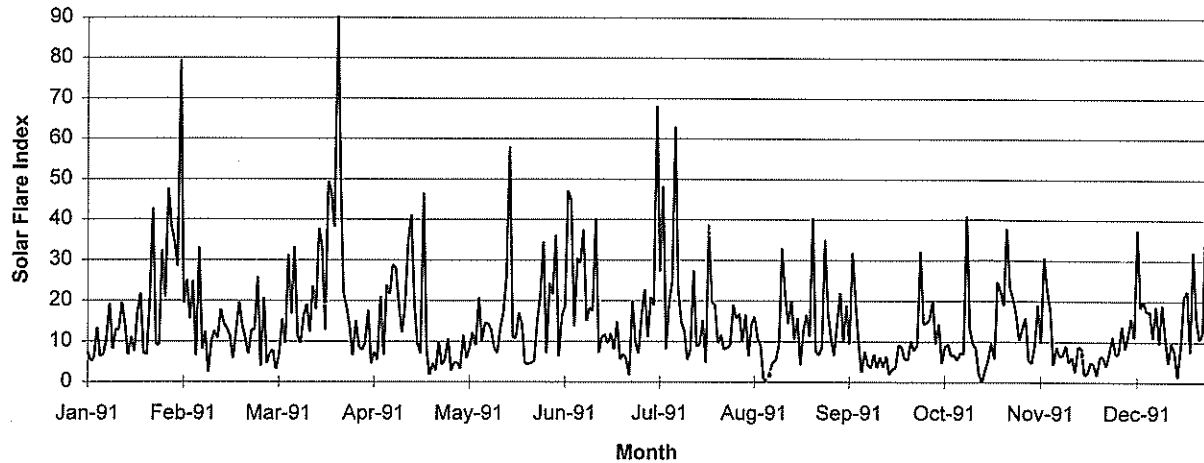
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.60	8.12	25.76	1.95	2.79	4.39	19.42	12.25	13.49	6.35	7.31	3.48
2	13.18	3.48	15.46	8.08	0.00	1.96	12.42	7.80	8.54	16.43	1.26	10.05
3	6.79	6.55	8.95	9.29	2.21	3.39	5.27	5.29	7.28	15.24	3.39	6.36
4	4.79	5.79	2.12	9.75	5.40	7.10	16.09	2.68	18.49	5.71	12.80	26.44
5	7.19	4.06	6.10	10.23	1.12	4.86	25.78	3.83	10.49	6.79	19.41	23.84
6	16.85	9.54	17.19	3.20	7.35	6.02	15.33	4.56	10.02	4.69	26.70	10.00
7	4.77	2.15	11.38	1.77	8.00	8.69	25.59	7.04	12.67	4.65	23.91	12.98
8	20.16	7.73	18.12	14.63	16.58	3.00	8.00	16.06	7.54	10.08	32.13	16.83
9	7.34	5.38	1.17	3.06	10.54	9.07	7.78	12.42	5.56	12.21	19.90	14.07
10	9.31	1.52	0.56	5.04	10.14	21.87	20.93	23.67	1.31	14.90	13.25	47.38
11	4.52	1.62	4.57	3.07	11.36	10.42	22.13	4.11	16.71	8.02	13.42	26.02
12	6.21	5.93	10.15	1.39	16.52	26.19	6.31	3.56	15.29	10.62	10.10	27.41
13	6.75	3.14	15.04	8.16	22.88	22.93	8.50	14.94	9.16	12.58	11.27	10.75
14	4.90	2.41	16.69	17.20	12.12	10.54	2.49	7.45	19.23	18.60	15.29	13.58
15	4.45	3.55	12.33	25.88	36.40	28.42	8.38	5.41	8.35	26.44	10.71	13.33
16	13.54	2.13	12.33	16.82	24.94	4.65	3.54	10.27	5.61	12.65	15.21	11.54
17	13.06	7.21	6.55	16.92	14.79	4.90	1.79	9.71	21.88	15.71	19.33	16.66
18	3.52	14.71	17.23	19.33	10.89	0.93	5.73	14.23	13.68	16.50	24.96	18.42
19	15.89	24.01	24.01	17.41	21.55	1.17	3.79	19.78	12.38	14.62	25.38	28.06
20	24.56	7.04	20.75	17.93	26.73	10.97	6.35	9.12	19.55	10.06	11.29	18.24
21	32.62	8.69	22.82	19.45	36.71	0.88	3.26	24.98	7.45	20.46	8.65	7.03
22	28.39	14.33	33.31	11.12	11.54	3.19	5.83	13.90	5.83	10.75	3.29	34.28
23	21.92	13.17	11.74	10.69	18.51	6.41	7.10	13.59	2.97	13.74	15.19	11.44
24	20.71	14.63	14.21	13.03	12.00	9.18	4.74	23.67	10.04	17.53	18.81	15.51
25	8.21	15.06	18.56	7.59	9.00	4.98	32.40	13.35	8.61	20.44	15.58	9.12
26	10.09	9.64	16.32	14.82	10.02	21.96	9.74	43.40	12.54	11.91	13.67	19.68
27	7.07	30.59	23.52	10.92	6.81	9.68	4.54	30.96	3.14	8.25	5.47	15.04
28	12.54	28.71	34.69	3.85	4.06	20.81	2.79	27.38	4.53	3.69	7.80	9.53
29	21.40		7.22	2.83	6.29	27.08	3.70	25.61	6.88	3.60	7.10	7.02
30	10.73		4.38	2.78	4.70	16.50	10.09	22.65	9.01	2.71	19.92	8.94
31	13.67		1.28		5.00		6.37	11.96		3.91		8.77
Mean	12.44	9.32	14.02	10.27	12.48	10.40	10.20	14.37	10.27	11.61	14.42	16.19

Yearly Mean = 12.20

Flare Index of Solar Activity

Full Disk

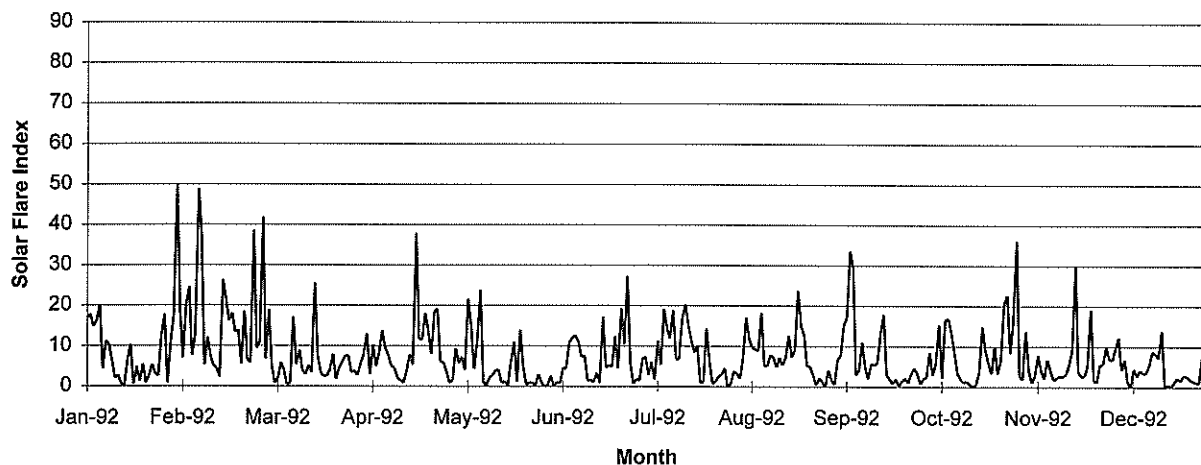
1991



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.30	19.35	7.12	9.62	4.84	21.50	22.80	16.88	6.54	14.57	13.08	6.90
2	5.13	25.17	7.83	17.67	3.25	36.23	11.15	9.89	14.65	15.56	15.85	7.00
3	5.88	15.53	3.10	4.55	11.48	6.22	20.83	16.62	22.02	20.25	5.46	13.82
4	13.35	24.88	6.54	7.37	5.81	16.35	18.92	6.41	10.05	9.50	4.64	8.21
5	6.29	6.50	15.47	5.44	8.56	18.64	68.23	14.35	18.98	14.33	9.17	11.29
6	6.88	33.10	9.47	21.04	12.16	47.15	27.10	16.13	9.40	4.69	19.07	15.76
7	10.51	8.07	31.27	6.61	9.04	44.69	48.30	10.80	31.90	8.63	9.76	10.99
8	19.17	12.46	16.76	23.91	20.75	13.76	8.13	9.14	19.43	9.40	30.62	37.58
9	8.06	2.29	33.28	21.58	10.27	30.44	19.62	0.63	9.93	6.47	22.56	18.42
10	12.85	10.18	11.52	28.77	14.58	29.33	24.70	0.44	2.39	6.63	17.74	19.89
11	12.99	12.64	9.53	28.17	14.35	37.54	63.03	2.53	7.52	5.48	4.29	17.38
12	19.59	10.80	16.33	19.14	12.90	15.08	22.52	4.71	4.44	7.23	8.67	17.48
13	14.07	17.87	19.15	12.16	8.59	18.25	14.80	5.35	3.51	6.88	6.49	10.94
14	6.60	14.54	12.28	19.17	7.12	17.54	12.65	9.24	6.83	40.88	6.58	18.67
15	11.10	13.24	23.60	34.26	13.38	40.21	5.51	32.98	3.58	13.21	9.06	9.56
16	7.52	11.38	17.85	41.19	17.18	7.15	8.02	21.48	6.18	9.54	4.86	18.99
17	16.86	5.82	37.71	19.17	26.29	10.98	27.47	14.44	3.80	8.38	6.18	11.04
18	21.81	12.74	33.34	9.66	58.02	11.68	8.82	20.04	6.36	2.33	2.52	4.70
19	7.29	19.62	12.74	7.04	11.06	9.60	9.26	10.44	1.90	0.00	8.77	9.69
20	6.68	13.84	49.38	46.60	10.78	11.95	15.22	15.86	3.21	2.92	8.51	7.40
21	20.26	10.82	46.92	7.92	17.06	8.08	4.82	4.19	3.50	5.51	1.92	1.25
22	42.72	6.97	38.05	1.74	14.19	14.85	38.73	12.73	9.21	9.62	2.10	8.99
23	9.35	12.95	90.44	4.56	4.69	5.56	19.77	16.63	8.53	5.70	4.95	21.11
24	9.09	12.83	50.15	2.84	4.38	6.83	19.03	11.35	5.75	24.64	4.30	22.51
25	32.45	25.83	21.88	9.71	4.68	5.75	9.61	40.51	5.42	22.38	1.69	7.34
26	20.87	3.93	18.46	4.21	5.13	1.58	11.60	7.83	10.17	18.96	6.29	32.15
27	47.62	20.80	13.68	5.58	15.04	19.83	8.08	6.65	7.77	37.98	6.24	15.75
28	38.35	4.51	6.52	10.68	21.48	9.89	8.47	8.54	9.19	23.47	3.88	10.54
29	34.63		15.02	2.78	34.57	7.08	9.07	35.06	32.27	20.58	7.21	12.21
30	28.48		8.83	4.73	7.11	16.55	18.96	17.04	14.46	16.55	11.27	40.91
31	79.50		7.88		24.33		15.65	10.98		10.35		12.72
Mean	18.81	13.88	22.33	14.60	13.97	18.01	20.03	13.22	9.96	12.99	8.79	14.88

Yearly Mean = 15.16

Flare Index of Solar Activity Full Disk 1992



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16.99	6.94	4.85	12.96	5.8	0	7.32	2.13	0.56	2.57	1.88	9.43
2	17.78	20.23	0.74	3.03	7.32	1.03	2.97	6.98	6.82	8.56	13.7	12.25
3	14.81	24.52	2.18	10.23	4.02	0.72	6.11	17.04	7.52	2.95	4	4.23
4	16.32	7.66	5.88	5.06	21.61	4.58	1.83	11.78	15.15	5.89	1.09	6.77
5	20.11	12.62	3.95	8.42	14.71	4.42	11.31	9.85	17.01	15.35	2.84	1.17
6	4.41	48.86	0.41	13.76	4.35	10.97	5.38	9.21	33.56	2.21	7.98	0
7	11.2	37.14	0.81	9.68	11.35	12.04	19.07	8.88	29.47	16.44	4.07	4.51
8	10.42	5.32	17.11	7.73	23.76	12.53	14.36	18.25	3.05	16.89	2.23	2.65
9	6.39	12.06	5.38	5.13	1.15	11.14	11.89	5.27	4.11	13.39	6.75	4.21
10	2.07	7.49	8.96	4.49	0.23	7.33	18.85	5.18	11.01	8.51	4.23	3.37
11	2.68	5.19	4.07	2.13	2.1	7.64	6.84	7.76	4.99	3.35	1.8	3.57
12	0.74	4.44	2.96	1.5	2.77	1.51	6.75	7.3	2.04	1.94	2.31	5.6
13	0	2.3	5.17	0.88	3.95	1.59	16.67	4.85	5.63	1.11	2.71	8.77
14	6.43	26.32	3.38	4.08	4.05	1.11	20.32	7.22	5.4	1.38	2.59	8.23
15	10.25	21.38	25.51	7.9	0.89	3.35	15.32	5.38	6.07	0.64	3.26	7.18
16	0.45	16.14	7.33	5.31	1.23	0.86	11.54	7.28	13.08	0	5.43	13.95
17	4.93	17.98	3.36	37.92	0.13	17.26	8.5	12.65	17.81	0.57	9.12	0
18	1.22	13.33	2.54	11.94	6.03	4.73	10.08	7.36	3.05	3.66	30.02	0.56
19	5.45	13.9	2.69	11.46	10.95	5.28	0.9	9.18	1.86	14.89	3.84	0.13
20	0.85	5.56	4.12	18.03	1.17	5	1.21	23.73	0.81	9.19	2.66	1.13
21	2.68	18.49	7.92	13.82	13.89	12.34	14.38	15.16	1.96	6.04	2.76	2.34
22	5.38	6.6	1.79	8.02	4.87	4.5	6.25	12.77	0.35	3.38	5.17	1.52
23	3.13	5.9	4.63	18.49	0.47	19.29	0.65	5.15	1.34	9.91	19.08	2.86
24	2.59	38.54	6.11	19.06	0.95	10.5	1.31	5.1	2.13	3.33	1.68	2.81
25	12.54	9.45	7.54	6.1	0.8	27.31	2.55	2.95	0.96	6.67	1.19	1.97
26	17.77	10.85	7.54	6.01	0.35	5.8	3.07	0.52	3.32	20.42	5.5	1.61
27	0.76	41.85	3.52	3.61	2.97	0.69	4.58	2.04	4.55	22.68	5.72	1.16
28	10.79	6.75	3.83	0.89	0.97	1.81	0	1.38	3.36	8.35	9.81	1.13
29	17.36	18.96	2.75	1.71	0	1.43	0.76	0	0.79	16.17	7.1	7.56
30	49.76		5.78	9.35	0.39	6.88	3.79	4.09	2.01	36.26	6.61	3.82
31	19.23		7.88		2.62		3.27	1.84		2.84		3.42
Mean	9.53	16.1	5.51	8.96	5.03	6.79	7.67	7.69	6.99	8.57	5.9	4.13

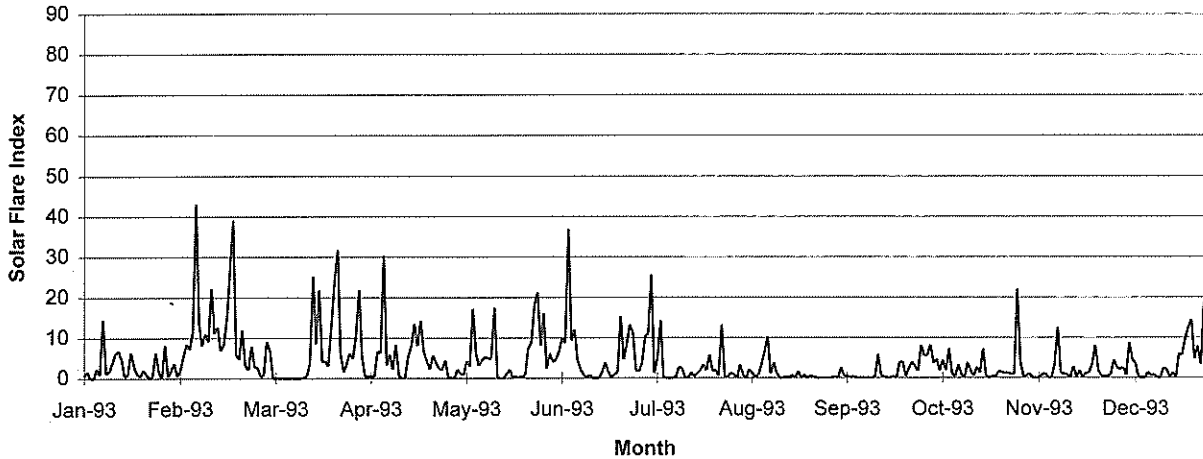
Yearly Mean = 7.74

Flare Index of Solar Activity

Full Disk

1993

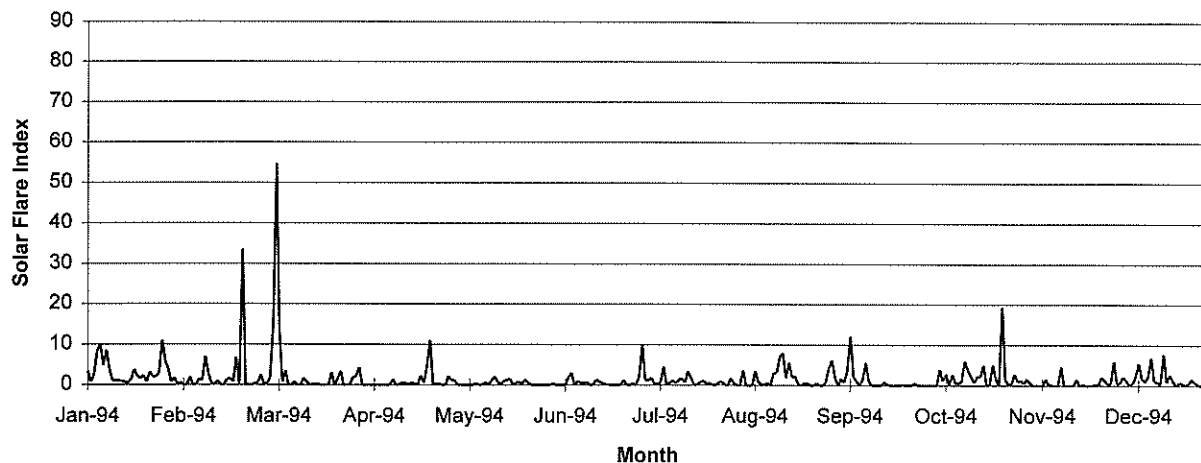
55
Misc



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.53	1.97	9.14	5.20	0.00	6.08	3.81	0.00	0.00	5.49	4.00	4.44
2	1.72	5.64	6.80	0.52	2.14	4.00	10.35	3.19	0.33	5.77	0.33	2.52
3	0.00	8.35	0.00	0.38	1.18	4.61	11.15	0.77	0.00	8.16	0.59	2.10
4	0.00	7.21	0.00	0.58	0.92	6.62	25.62	0.00	2.44	3.56	0.96	2.48
5	2.31	11.40	0.00	0.39	4.24	10.02	1.19	2.08	0.54	4.59	0.00	0.66
6	0.92	43.18	0.00	6.69	2.89	8.66	4.88	1.22	0.48	1.79	0.00	8.74
7	14.48	13.83	0.00	6.27	17.19	36.92	14.23	0.27	0.11	4.35	0.00	4.54
8	1.21	8.08	0.00	30.34	6.22	9.34	0.19	0.69	0.32	1.84	0.77	3.42
9	1.75	11.01	0.00	3.17	3.10	12.11	0.00	3.35	0.00	7.25	1.04	0.15
10	3.72	9.07	0.00	5.92	4.49	4.63	0.00	6.56	0.00	1.02	0.00	0.00
11	6.15	22.31	0.00	2.24	5.34	2.19	0.00	10.16	0.00	0.35	0.00	0.00
12	6.79	11.15	0.00	8.36	4.92	0.81	0.21	1.06	0.00	3.13	3.41	1.37
13	4.72	12.66	0.16	0.54	4.92	0.19	2.59	3.80	0.00	0.85	12.55	0.45
14	0.39	6.90	0.58	0.00	17.50	0.76	2.39	1.17	0.00	0.00	1.17	0.79
15	0.95	8.26	3.69	0.20	0.27	0.00	0.20	0.00	0.25	3.76	0.95	0.00
16	6.43	14.82	25.21	5.58	0.00	0.00	0.00	0.00	5.82	1.88	0.86	0.02
17	3.06	27.36	8.56	8.05	0.00	0.00	1.29	0.21	0.63	0.43	0.06	2.33
18	1.09	39.17	21.84	13.44	1.03	1.46	0.34	0.00	0.25	2.60	2.71	2.05
19	0.44	5.80	4.03	8.09	2.09	3.81	1.04	0.68	0.00	1.24	0.25	0.13
20	2.06	4.79	4.32	14.24	0.29	1.59	1.88	0.02	0.00	7.19	1.73	1.26
21	1.04	12.02	2.94	6.56	0.31	0.10	3.29	1.58	0.40	0.46	0.15	0.00
22	0.00	3.08	12.96	4.33	0.18	0.99	1.81	0.00	0.00	0.00	1.07	6.04
23	0.49	2.11	24.15	2.25	0.44	1.42	5.75	0.78	3.85	0.37	1.23	5.60
24	6.42	7.87	31.74	5.63	0.60	15.34	1.71	0.00	3.93	0.19	3.35	9.81
25	1.78	2.74	6.04	4.03	7.40	4.61	2.08	0.54	0.35	1.55	8.03	12.62
26	0.00	2.66	1.59	2.48	8.79	8.48	0.42	0.23	2.38	1.45	1.86	14.43
27	8.20	0.40	3.61	2.08	18.04	13.21	13.20	0.00	3.90	1.12	0.41	4.71
28	0.51	0.87	6.20	4.42	21.21	11.24	0.23	0.00	2.87	1.26	0.32	7.85
29	1.92		4.88	0.17	8.00	1.92	0.29	0.00	1.71	1.00	0.36	3.32
30	3.60		10.53	0.13	16.11	1.70	1.19	0.00	8.09	0.92	0.78	18.64
31	0.47		21.90		2.41		0.86	0.00		22.06		4.57
Mean	2.68	10.88	6.80	5.08	5.23	5.76	3.62	1.24	1.29	3.08	1.63	4.03

Yearly Mean = 4.23

Flare Index of Solar Activity Full Disk 1994



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.32	0.08	1.65	0.00	0.00	0.27	1.38	0.00	1.97	0.00	0.49	0.47
2	0.65	0.00	15.25	0.00	0.11	0.00	1.12	3.65	0.05	0.00	1.55	0.67
3	2.58	1.86	54.67	0.00	0.00	0.00	1.75	0.00	1.58	0.00	0.54	2.09
4	8.31	0.12	13.70	0.00	0.00	0.00	0.38	0.00	0.76	0.00	0.00	1.20
5	9.86	0.00	0.79	0.00	0.00	0.00	0.18	0.00	3.54	3.93	0.00	0.22
6	4.82	1.36	3.44	0.00	0.00	1.95	0.71	3.52	12.08	1.15	0.00	0.45
7	8.50	1.10	0.13	0.00	0.41	2.96	4.50	0.77	2.21	2.79	0.00	2.11
8	3.71	6.98	0.00	0.00	0.00	0.00	0.11	0.31	0.97	0.21	1.52	5.53
9	1.03	2.72	0.79	0.00	0.09	0.94	0.56	0.18	0.09	2.65	0.23	1.79
10	1.09	0.32	0.00	1.41	0.54	0.48	1.09	0.51	1.40	0.73	0.00	0.96
11	1.05	0.13	0.00	0.00	0.00	0.45	0.50	0.13	5.58	0.45	0.00	2.27
12	0.77	0.99	1.65	0.20	1.05	0.64	1.25	2.93	1.12	0.98	0.00	6.74
13	0.73	0.00	0.64	0.43	2.02	0.00	1.65	3.20	0.00	5.98	4.55	1.10
14	0.44	0.00	0.00	0.35	0.69	0.13	0.69	7.11	0.00	3.89	0.00	0.81
15	1.39	1.25	0.17	0.13	0.19	1.29	3.35	7.96	0.00	2.37	0.00	0.31
16	3.71	1.57	0.15	0.54	0.94	0.81	1.88	1.85	0.00	0.63	0.00	7.70
17	2.19	0.75	0.00	0.23	1.15	0.46	0.00	5.54	0.77	2.16	0.00	0.90
18	1.51	6.71	0.00	0.00	1.45	0.16	0.27	2.07	0.27	2.07	1.44	2.63
19	2.25	0.20	0.00	2.21	0.00	0.13	0.66	2.21	0.00	4.97	0.00	1.19
20	0.65	33.60	0.00	0.47	0.53	0.00	1.03	0.31	0.00	0.00	0.15	0.00
21	3.11	0.16	2.96	4.77	0.67	0.00	0.36	0.00	0.00	0.23	0.00	0.67
22	2.00	0.00	0.00	11.02	0.34	0.00	0.50	0.45	0.00	5.02	0.00	0.56
23	2.00	0.00	1.47	0.15	1.27	0.00	0.13	0.54	0.17	1.72	0.00	0.00
24	2.82	0.23	3.32	0.23	0.47	1.14	0.00	0.00	0.00	0.00	0.23	0.46
25	10.92	0.49	0.00	0.21	0.00	0.00	0.55	0.00	0.10	19.45	0.00	1.57
26	5.83	2.38	0.00	0.00	0.00	0.00	0.91	0.48	0.00	1.53	2.04	0.80
27	3.82	0.21	0.00	0.10	0.00	0.32	0.13	0.00	0.52	0.32	1.21	0.21
28	0.68	0.36	1.83	2.12	0.00	0.00	0.00	0.00	0.00	0.30	0.38	0.00
29	1.72		2.11	1.17	0.00	2.03	1.66	0.73	0.00	2.78	0.52	0.00
30	0.00		4.31	1.11	0.00	9.79	0.48	4.28	0.00	1.06	5.92	0.00
31	0.56		0.00		0.00		0.00	6.21		1.21		0.00
Mean	2.97	2.27	3.52	0.89	0.38	0.80	0.90	1.77	1.11	2.21	0.69	1.40

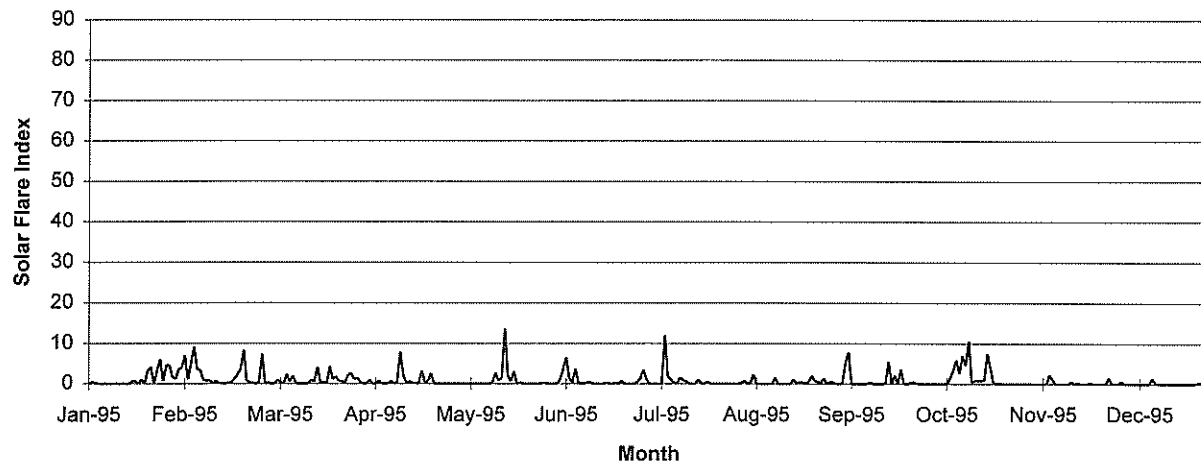
Yearly Mean = 1.58

Flare Index of Solar Activity

Full Disk

1995

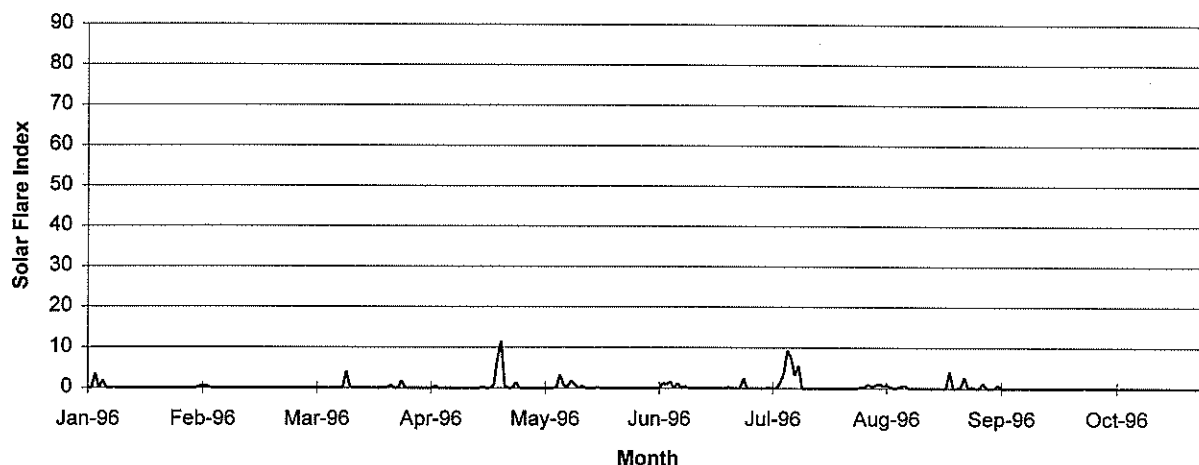
57
Misc



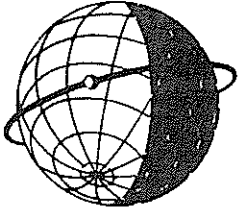
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	6.94	0.00	0.00	0.00	0.00	1.32	0.21	0.00	0.00	0.00	0.00
2	0.48	1.08	0.00	0.90	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.56
3	0.09	5.17	0.89	0.00	0.00	1.01	0.00	0.00	0.08	0.00	0.00	0.00
4	0.00	9.13	0.32	0.00	0.00	3.59	0.00	0.27	5.37	0.00	0.00	0.00
5	0.00	3.46	0.10	0.75	0.00	6.62	0.00	2.25	7.83	0.00	0.00	0.00
6	0.00	3.44	2.33	0.00	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	1.00	0.52	0.00	0.00	0.31	12.00	0.00	0.00	0.08	0.00	0.00
8	0.00	0.67	1.91	0.00	0.00	3.70	1.86	0.00	0.00	1.41	0.00	0.00
9	0.00	0.87	0.08	0.65	0.00	0.00	1.04	0.00	0.00	3.50	2.29	0.00
10	0.00	0.00	0.00	0.00	0.00	0.10	0.27	0.00	0.00	5.96	1.04	0.00
11	0.00	0.61	0.00	0.39	0.00	0.00	0.00	0.00	0.00	2.69	0.00	0.00
12	0.00	0.15	0.00	7.88	0.38	0.44	1.49	1.50	0.36	7.03	0.00	1.35
13	0.00	0.10	0.00	2.13	2.61	0.27	0.93	0.00	0.00	4.46	0.00	0.20
14	0.00	0.08	0.96	0.14	0.86	0.00	0.56	0.00	0.00	10.63	0.00	0.00
15	0.60	0.23	0.41	0.56	1.38	0.00	0.00	0.00	0.00	0.38	0.00	0.00
16	0.65	0.18	4.15	0.11	13.78	0.00	0.00	0.00	0.00	0.83	0.48	0.00
17	0.00	1.26	0.00	0.21	2.15	0.00	0.00	0.00	0.00	0.78	0.00	0.00
18	1.05	2.19	0.48	0.00	0.63	0.30	1.08	1.05	5.51	0.79	0.15	0.00
19	0.00	3.67	0.00	3.09	3.08	0.00	0.00	0.27	0.00	0.82	0.00	0.00
20	3.21	8.29	4.27	0.33	0.00	0.00	0.00	0.36	2.10	7.54	0.00	0.00
21	4.10	0.80	1.13	0.67	0.30	0.22	0.49	0.36	0.15	4.04	0.00	0.00
22	0.15	0.25	1.78	2.56	0.00	0.00	0.00	0.00	3.52	0.24	0.22	0.00
23	3.07	0.20	0.67	0.00	0.00	0.75	0.00	0.53	0.00	0.02	0.00	0.00
24	6.05	0.00	0.58	0.00	0.00	0.00	0.00	2.00	0.00	0.08	0.00	0.00
25	0.72	0.32	0.25	0.00	0.00	0.00	0.00	0.69	0.18	0.00	0.00	0.00
26	4.57	7.35	2.13	0.00	0.00	0.00	0.00	0.50	0.49	0.00	0.00	0.00
27	4.52	0.00	2.61	0.00	0.00	0.00	0.00	0.29	0.15	0.00	0.00	0.36
28	1.67	0.32	1.15	0.00	0.17	0.39	0.00	1.36	0.00	0.00	1.46	0.00
29	1.21		1.44	0.00	0.18	1.24	0.00	0.00	0.00	0.00	0.00	0.25
30	3.54		0.42	0.00	0.00	3.40	0.00	0.60	0.00	0.00	0.00	0.00
31	4.00		0.00		0.00		0.00	0.28		0.00		0.00
Mean	1.28	2.06	0.92	0.68	0.82	0.79	0.68	0.43	0.86	1.65	0.19	0.09

Yearly Mean = 0.86

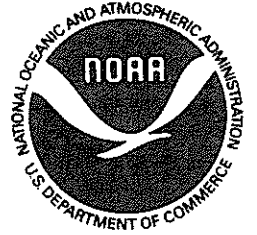
Flare Index of Solar Activity Full Disk 1996



Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	---	---
2	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	---	---
3	3.58	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	---	---
4	0.00	0.00	0.00	0.48	0.00	0.00	0.11	0.54	0.77	0.00	---	---
5	1.77	0.00	0.00	0.00	0.00	1.12	0.00	0.83	0.00	0.00	---	---
6	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.36	0.00	0.00	---	---
7	0.00	0.00	0.00	0.00	0.23	1.51	1.36	0.00	0.00	0.00	---	---
8	0.10	0.00	0.00	0.00	3.19	0.00	3.66	0.20	0.00	0.00	---	---
9	0.00	0.00	0.00	0.00	0.70	1.19	9.28	0.55	0.00	0.00	---	---
10	0.00	0.00	0.00	0.00	0.30	0.00	7.44	0.73	0.00	0.00	---	---
11	0.00	0.00	4.04	0.00	1.81	0.46	3.11	0.00	0.00	0.00	---	---
12	0.00	0.00	0.30	0.00	0.90	0.00	5.50	0.00	0.00	0.00	---	---
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
14	0.00	0.00	0.11	0.00	0.51	0.00	0.00	0.00	0.00	0.00	---	---
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
17	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	---	---
18	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	---	---
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
20	0.00	0.00	0.00	0.73	0.00	0.10	0.00	0.00	0.00	0.00	---	---
21	0.00	0.00	0.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	---	---
22	0.00	0.00	0.15	11.48	0.00	0.00	0.00	4.21	0.00	0.00	---	---
23	0.00	0.00	0.64	0.52	0.00	0.22	0.00	0.00	0.00	0.00	---	---
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	---	---
26	0.00	0.00	1.73	1.35	0.00	0.00	0.00	2.81	0.00	0.00	---	---
27	0.00	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.17	0.00	---	---
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	---	---
29	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	---	---
30	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	---	---
31	0.28	0.00	0.00	0.00	0.00	0.00	0.99	1.30	0.00	0.00	---	---
Mean	0.18	0.04	0.22	0.73	0.25	0.26	1.04	0.47	0.03	0.00	---	---



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."