



Monthly Report on Solar activities



April 2008

Astronomical Society of Southern Africa, Solar Section

Issue 64

Hi Solar friends,

As the emphasis in the ASSA group is on observations in the different sections, we in the solar group want to develop a professional platform for you the observer where you can participate in national and international solar observations.

Observations are used to calculate a monthly Southern African sunspot number and are published in the report section of this bulletin. A two monthly report on observations will be send to MNASSA for publication.

Solar observations are still an open field in Southern Africa amateur astronomy and we like to invite you to become part of the ASSA solar section.

Information on how to become involved in solar observations can be obtained from the solar section of ASSA at: jvdelft.solar@starmail.co.za

*Keep looking at the sunny side of life,
It keeps the shadows behind you!*

Regards,

Jacques van Delft
Director solar section
ASSA, Southern Africa

OBSERVERS

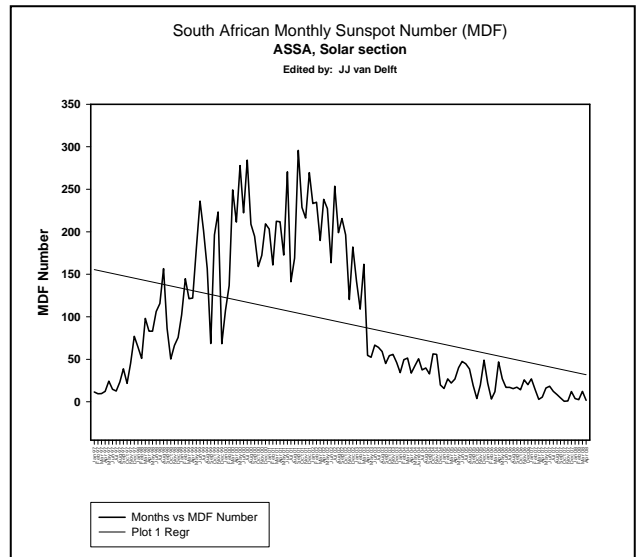
Jacques van Delft (DEJV)	Wepener,	Freestate	South Africa
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Jim&Shirley Knight (KNJS)	Boksburg	Gauteng	South Africa
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Howard Barnes (BARH)	Auckland		New Zealand
Johan Retief (RETJ)			South Africa
Frikkie de Bruin (DEBF)			South Africa

SOLAR REPORT APRIL 2008

Date Apr- 08	DMF	DEBF	DEVJ	KNJS	RETJ	BARH
1						
2	12.0		12			
3	12.5	13	12			
4			0	11		
5				0		
6				0		0
7		0	0	0		
8	0.0	0	0	0		0
9	0.0		0			0
10		0		0		0
11		0		0		
12	0.0	0				
13		0	0			
14						
15	0.0	0	0	0	0	
16	0.0	0	0	0	0	
17	0.0	0	0	0	0	
18	0.0	0	0	0	0	0
19	0.0	0			0	
20	0.0	0			0	0
21	0.0	0			0	
22	8.0	12	0		12	
23	5.5		11		0	
24	0.0				0	
25	0.0		0		0	
26	0.0		0		0	
27	0.0		0		0	
28	0.0		0		0	
29	0.0		0		0	
30	0.0		0		0	
MMF=	1.8					

THE SUNSPOT CYCLE

April was again a quiet month regarding the sunspot number. It declined to a low of 1.8.



Explanation: Cnts = Sunspot counting's (MDF totals)
Days = Amount of days counting's were taken
DMF = Daily Mean Frequency
MMF = Monthly Mean Frequency

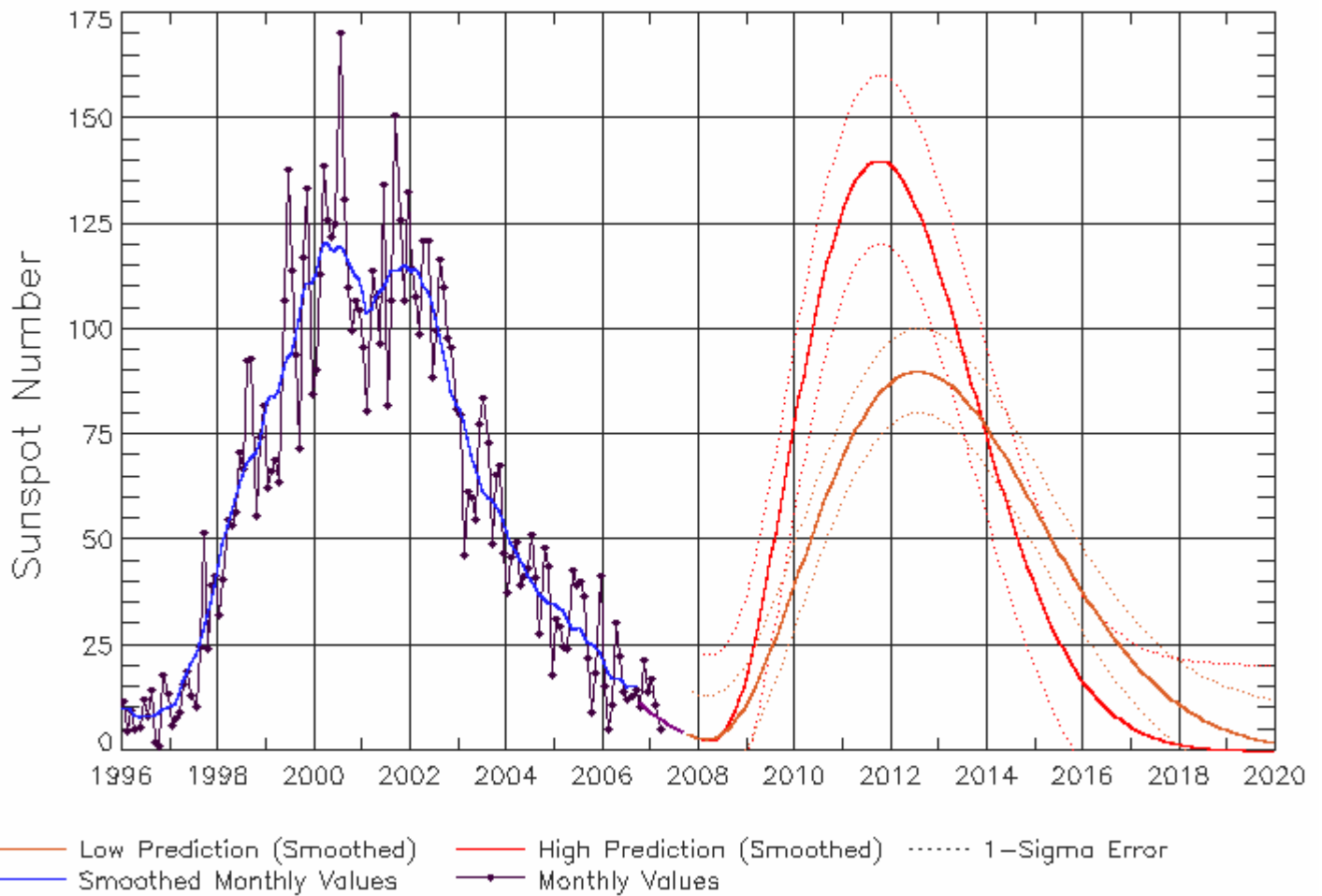
SOLAR ACTIVITIES

Activities during April came again mostly from Coronal holes. The highest flare that occurred on the Sun was a C1 on the 3rd of April.

Apr-08	Bz pos	Bz neg	Protons	Solarwind	X - Ray	Geo- magn.	Low Press	CI Index
1	4	-2	3	430	B2	13.70	5	2.740
2	2	-2	2	420	B2	22.52	6	3.753
3	4	-1	3	380	C1	3.98	4	0.995
4	10	-15	14	490	B4	21.08	5	4.216
5	5	-7	4	650	B1	26.39	5	5.278
6	5	-4	3	750	A0	33.67	6	5.612
7	4	-3	3	690	A0	25.22	6	4.203
8	5	-5	2	780	A0	23.41	6	3.902
9	3	-3	1	740	A0	23.64	7	3.377
10	4	-2	2	650	A0	20.47	5	4.094
11	5	-3	2	600	A0	14.04	3	4.680
12	5	-4	3	600	A0	20.91	3	6.970
13	5	-5	4	640	A0	16.53	3	5.510
14	1	0	2	510	A0	3.81	8	0.476
15	5	-6	10	400	A1	12.97	7	1.853
16	9	-10	21	600	B1	36.28	7	5.183
17	4	-4	2	560	A0	15.04	7	2.149
18	4	-2	2	560	A0	12.14	6	2.023
19	5	-4	3	560	A0	12.93	8	1.616
20	3	-2	3	540	A0	15.07	6	2.512
21	3	-1	1	470	A0	8.48	6	1.413
22	2	-2	18	360	A1	11.83	6	1.972
23	10	-13	7	700	A4	52.84	5	10.568
24	7	-6	4	650	B1	33.41	5	6.682
25	3	-3	1	600	A0	23.82	5	4.764
26	4	-4	2	510	B3	30.86	5	6.172
27	5	-4	4	520	A0	18.30	5	3.660
28	4	-4	4	500	A0	29.16	5	5.832
29	3	-3	2	450	A0	15.20	7	2.171
30	8	-7	60	530	A0	14.93	6	2.488

Solar Cycle 24 Sunspot Number Prediction

Data Through 31 Mar 07



Updated 2007 Apr 20

NOAA/SEC Boulder, CO USA

Clear skies,

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