Monthly Report on Solar activities

Astronomical Society of Southern Africa, Solar Section

February 2008 *Issue 62*

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

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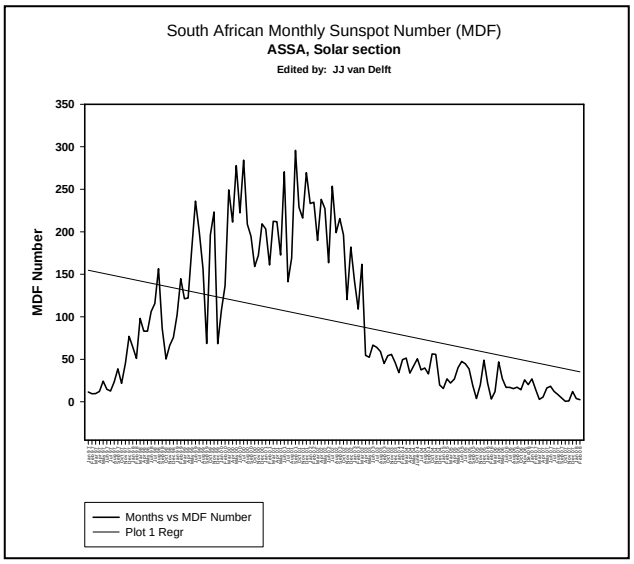
SOLAR REPORT February 2008

Date Feb-08	DMF	DEBF	DEVJ	KNJS	BARH
1	11.0		0	22	
2	9.0		0	16	11
3	6.5		0	13	
4	0.0		0		
5					
6					
7					
8					
9	0.0				0
10	5.5			0	11
11	5.5			0	11
12	0.0		0		0
13	0.0		0		0
14	0.0		0		
15					
16	0.0		0	0	0
17	0.0			0	0
18	0.0		0		0
19	0.0		0		
20	0.0		0		
21					
22	0.0		0		
23	0.0			0	0
24					
25	0.0				0
26	6.0	12.0			0
27					
28	0.0		0		0
29	8.0	21.0	0	0	11
MMF=	**2.5**				

THE SUNSPOT CYCLE

The excitement in January seeing the first sunspot of the new cycle, slowed down completely during February. Again a decline in the monthly number was recorded.

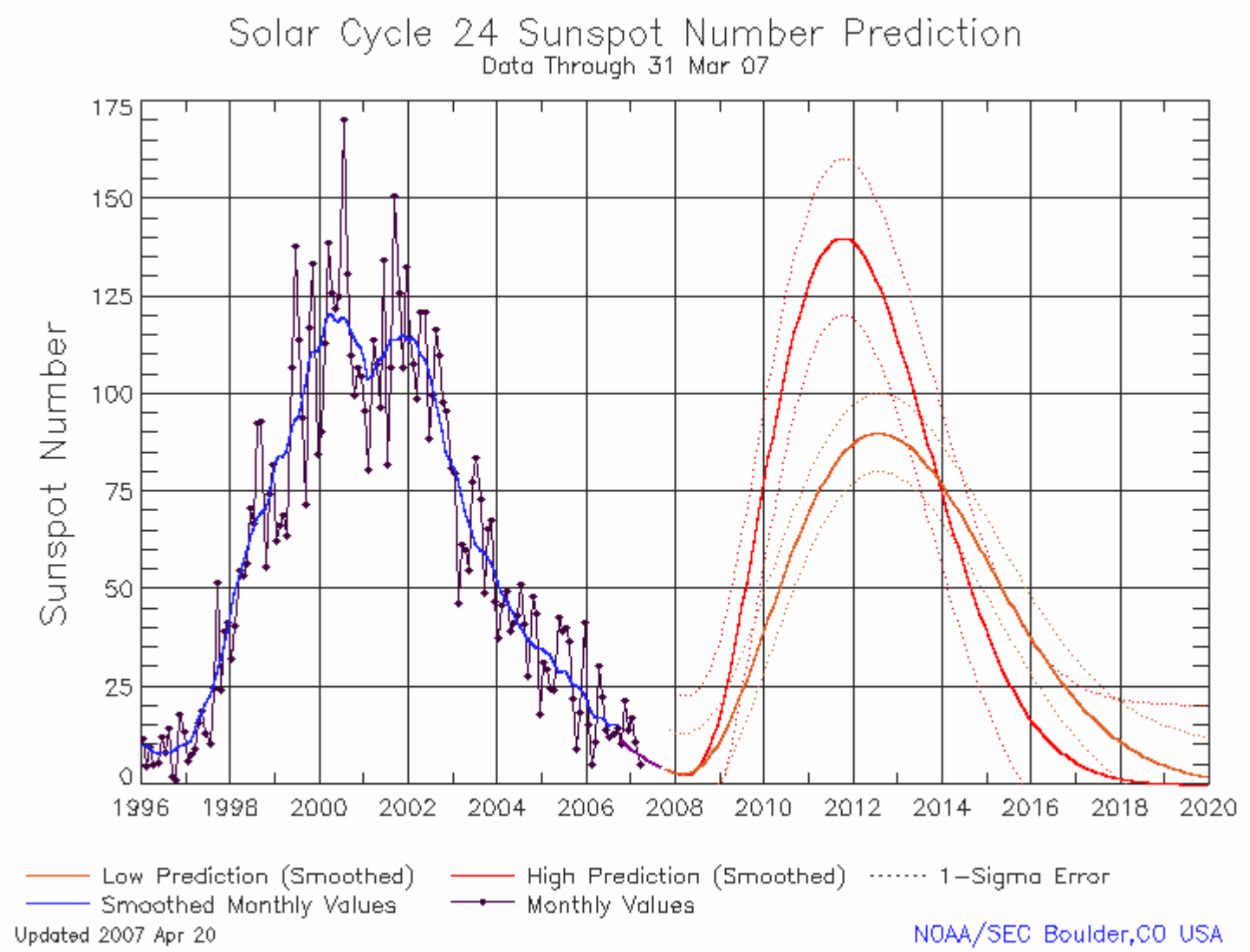


Explanation: Cnts = Sunspot counting's (MDF totals)
Days = Amount of days counting's were taken
DMF = Daily Mean Frequency
MMF = Monthly Mean Frequency

SOLAR ACTIVITIES

Feb 08	Bz pos	Bz neg	Protons	Solarwind	X - Ray	Geo-magn.	Low Press	Ci Index
1	6	-8	10	670	A0	32.74	4	8.185
2	5	-5	3	650	A0	27.30	6	4.550
3	6	-5	3	650	A1	30.39	7	4.341
4	3	-3	2	580	A1	18.52	7	2.646
5	2	-2	4	480	A0	12.68	7	1.811
6	5	-6	10	390	A0	19.24	4	4.810
7	8	-5	7	440	A1	12.78	4	3.195
8	4	-4	6	440	A3	12.91	3	4.303
9	2	-3	9	430	A0	11.79	5	2.358
10	17	-12	15	680	A0	36.46	3	12.153
11	5	-5	3	760	A0	27.41	6	4.568
12	4	-5	4	700	A0	24.55	3	8.183
13	4	-5	3	690	A0	21.98	3	7.327
14	4	-3	3	680	A0	19.69	3	6.563
15	4	-4	3	680	A0	21.34	5	4.268
16	4	-4	2	620	A0	12.00	3	4.000
17	4	-3	3	560	A0	9.73	3	3.243
18	5	-5	7	640	A0	32.00	4	8.000
19	4	-4	3	630	A0	28.98	3	9.660
20	2	-3	3	600	A0	15.43	4	3.858
21	4	-4	5	540	A0	15.15	5	3.030
22	4	-4	7	510	A0	8.91	4	2.228
23	3	-3	6	470	A2	11.42	4	2.855
24	3	-2	6	500	A0	7.70	6	1.283
25	2	-2	7	460	A0	7.70	3	2.567
26	2	-2	8	390	A0	9.45	4	2.363
27	10	-10	32	490	A0	22.86	4	5.715
28	8	-8	20	600	A1	43.05	5	8.610
29	5	-7	3	790	A0	35.87	5	7.174

Looking at the data, Geo magnetic activity stayed at and average of 20+ G-watt . The solar wind also stayed above 500 km/sec for the most of the month. Looking at the X ray data it is clearly visible that the activities again were dominated by the appearance of Coronal holes in the corona. Keep looking for the second spot of the new cycle.



Clear skies,

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