



Monthly Report on Solar activities



January 2008

Astronomical Society of Southern Africa, Solar Section

Issue 61

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

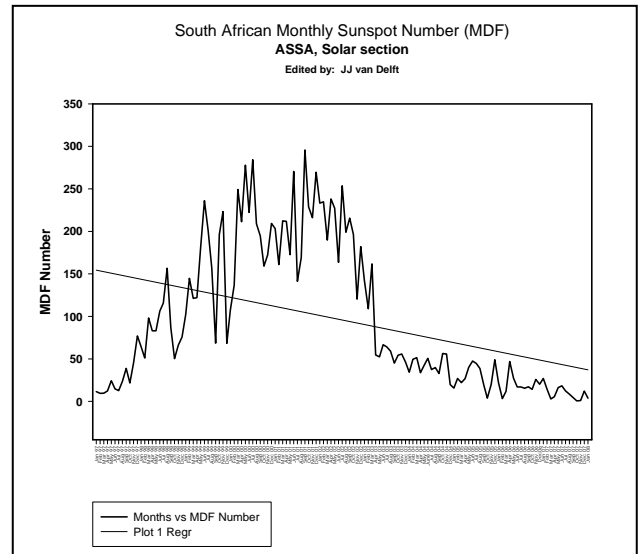
Jacques van Delft (DEJV)	Wepener,	Freestate	South Africa
Rob Blore (RBLO)	Hillcrest,	Natal	South Africa
Jim&Shirley Knight (KNJS)	Boksburg	Gauteng	South Africa
Simion Mircea (MIRS)	Bucharest		Romania
Howard Barnes (BARH)	Auckland		New Zealand

SOLAR REPORT January 2008

Date Jan-08	DMF	DEVJ	RBLO	KNJS	MIRS	BARH
1	7.3	0		11		11
2	15.0			15		
3	14.0			14		
4						
5	12.0	12				
6	0.0	0		0		
7	0.0	0				
8	0.0	0				
9	0.0	0				0
10	11.0					11
11	5.5	0				11
12	0.0					0
13	0.0			0		0
14						
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						
23	0.0					0
24	0.0	0				
25	0.0					0
26	0.0			0		0
27						
28	0.0	0				0
29	12.0			13		11
30	17.0			17		
31						
MMF=	3.9					

THE SUNSPOT CYCLE

On the 4th of January 2008 we saw the first sunspot of the new cycle. Although it will take some time to see the effect on the cycle's graph the beginning of cycle 24 is here. Keep an eye on the higher latitudes of the Sun to see the next new cycle spots.



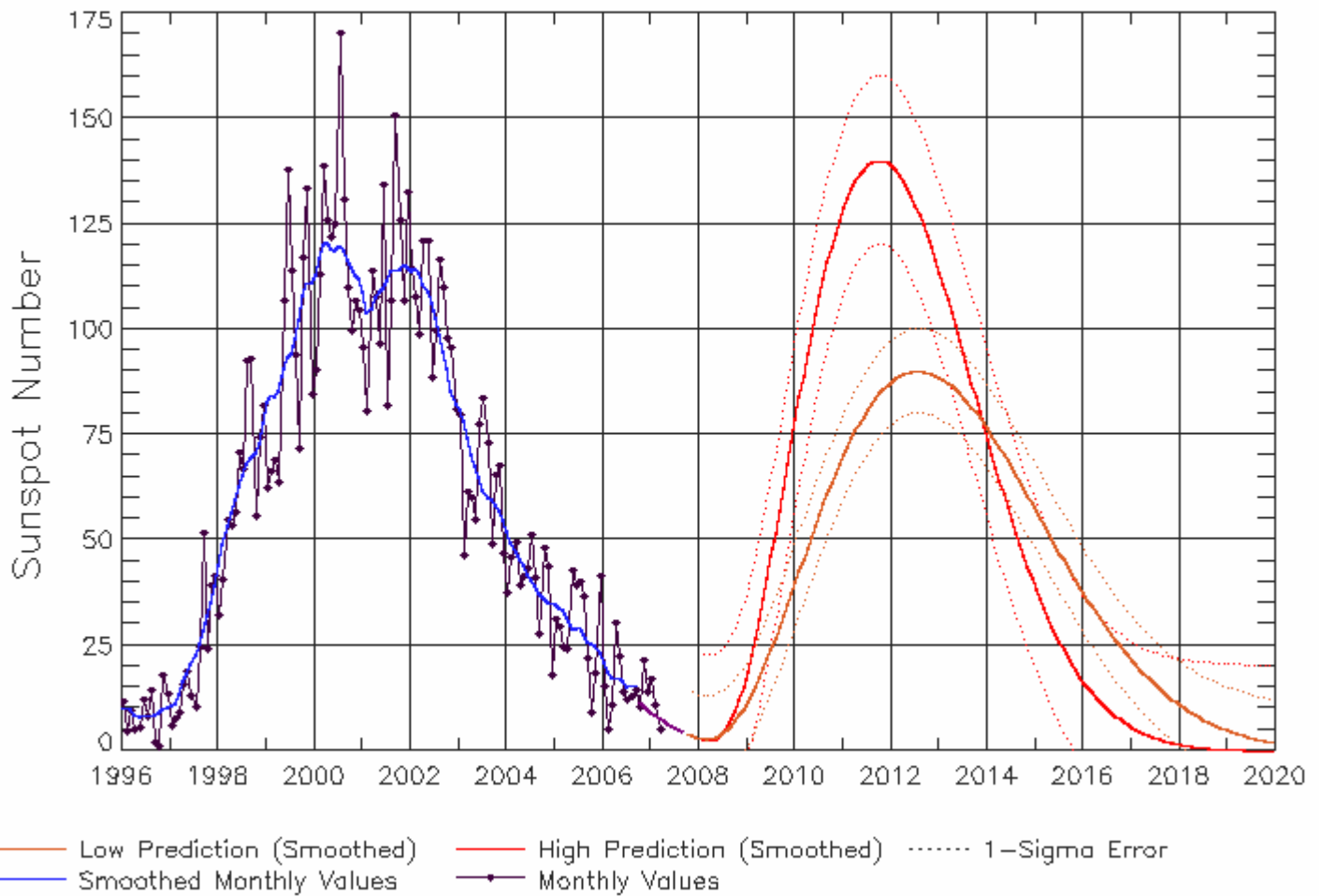
Explanation: Cnts = Sunspot counting's (MDF totals)
 Days = Amount of days counting's were taken
 DMF = Daily Mean Frequency
 MMF = Monthly Mean Frequency

SOLAR ACTIVITIES

Date								
Jan-08	Bz pos	Bz neg	Protons	Solarwind	X - Ray	Geo- magn.	Low Press	CI Index
1	2	-1	3	370	B9	9.26	3	3.087
2	2	-2	6	350	C1	5.77	4	1.443
3	1	-1	2	310	B7	4.74	8	0.593
4	0	0	6	310	B1	6.59	6	1.098
5	10	-7	10	700	A6	34.71	5	6.942
6	5	-5	2	700	A2	30.19	5	6.038
7	4	-5	1	750	C1	20.56	5	4.112
8	4	-5	2	690	A0	19.42	6	3.237
9	3	-2	1	580	A1	14.80	4	3.700
10	3	-3	2	510	A0	9.25	6	1.542
11	4	-4	5	480	A0	7.92	6	1.320
12	5	-8	11	600	A3	16.94	5	3.388
13	2	-5	8	590	A1	32.03	4	8.008
14	5	-5	3	750	A0	29.70	5	5.940
15	4	-4	2	720	A0	20.09	4	5.023
16	5	-6	3	730	A0	26.10	4	6.525
17	5	-5	4	650	A0	24.50	9	2.722
18	6	-4	3	680	A0	23.16	6	3.860
19	4	-4	3	680	A0	20.83	4	5.208
20	4	-2	3	650	A0	22.27	3	7.423
21	4	-3	4	580	A0	12.27	4	3.068
22	3	-2	6	470	A0	6.29	3	2.097
23	4	-2	9	455	A0	8.90	4	2.225
24	1	-3	7	450	A0	17.83		
25	4	-3	4	580	A0	19.46		
26	2	-4	4	480	A0	13.34		
27	2	-3	5	430	A0	9.77		
28	3	-2	10	420	A0	11.68	3	3.893
29	3	-3	9	430	B1	10.93	3	3.643
30	1	-1	4	410	A2	5.64	5	1.128
31	10	-10	40	470	A0	13.51	3	4.503

Solar Cycle 24 Sunspot Number Prediction

Data Through 31 Mar 07



Updated 2007 Apr 20

NOAA/SEC Boulder, CO USA

Clear skies,

Jacques van Delft.
jvdelft.solar@starmail.co.za

Wepener,
+27 (0) 82 812 5907

