Newsletter Belgian Solar Observers

Results and news for solar observers | Volume 13 | Number 146 | April 2008

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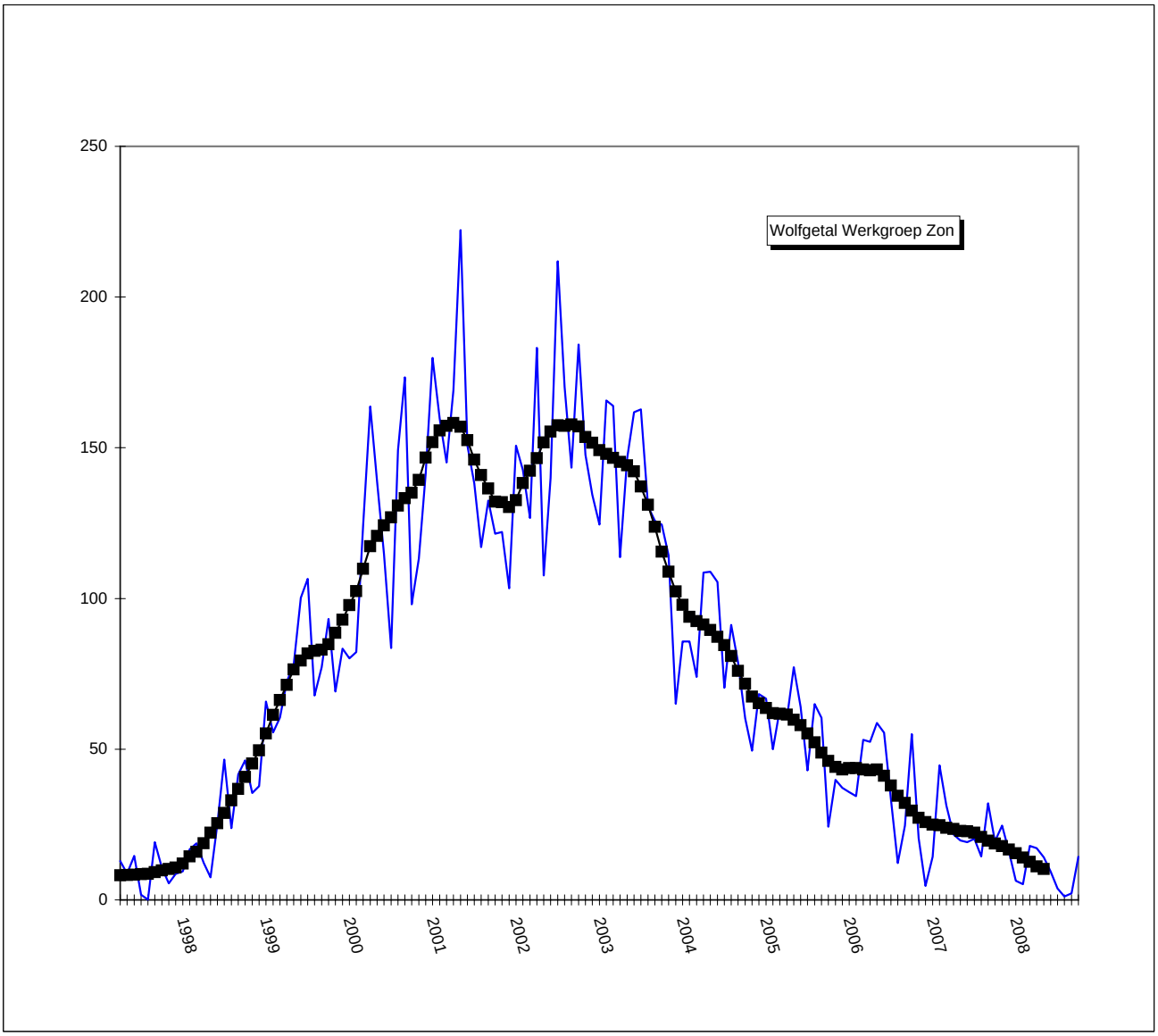
Content Newsletter

Graphics and relative number for this month
Daily Wolfnumbers by the members
Monthly sunspot report
Polar faculae and CV numbers
Prominence numbers by the members
Monthly prominence report
Photo album and drawings



Mean of April observations

Groups :	N	**0,17**	Wolfnumb	N	**1,5**	Beck :	**9,5**
	S	**0,20**		S	**2**	CV	**2**
	N+S	**0,37**		N+S	**3,5**		
551 observations		30 observers					

Wolfnumbers Belgian Solar Observers

Month: **April 2008**

	SIDC	L. Meeus			H.Coeckelberghs			Publ Obs Mira			O. Steen			F. Dubois			L. Claeys			G. Deman			A.T.Son			H. De Backer			B. Thooris			A Gabr	
Dag	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f
1	16										2	5	25	2	4	24										2	9	29				2	10
2	9	1	2	12							2	3	23	2	6	26	1	3	13							1	2	12				1	3
3	9	1	4	14							1	4	14	1	6	16	1	5	15							1	3	13	1	5	15	1	4
4	7										1	1	11	1	2	12	0	0	0							1	1	11	0	0	0	1	2
5	0										0	0	0	0	0	0	0	0	0							0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0				0	0	0	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0							1	1	11	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	1	1
12	0	0	0	0							1	1	11	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0
13	7	0	0	0							1	1	11	1	1	11	0	0	0	0	0	0				0	0	0	1	1	11	1	2
14	7										1	2	12	1	2	12										0	0	0	0	0	0	1	2
15	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	0							0	0	0	0	0	0	0	0
16	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0							1	2	12	0	0	0	1	1	11							0	0	0				0	0
19	8										0	0	0																			1	2
20	0				0	0	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0							0	0	0	0	0	0	0	0	0				0	0	0	0	0	0				0	0
22	8	1	2	12							2	4	24	1	3	13	1	5	15	1	2	12	1	3	13	1	3	13	1	2	12	1	3
23	8	1	4	14							1	2	12	1	5	15							1	4	14	1	3	13	1	2	12	1	4
24	7	1	1	11				1	2	12	1	1	11	1	1	11	0	0	0	1	1	11	0	0	0	1	1	11	0	0	0	1	1
25	0										0	0	0	0	0	0	0	0	0	0	0	0				0	0	0				0	0
26	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0
28	0	0	0	0							0	0	0	0	0	0	0	0	0				0	0	0	0	0	0				0	0
29	0	0	0	0				0	0	0	0	0	0	0	0	0	1	1	11				0	0	0	0	0	0				0	0
30	0										0	0	0	0	0	0	1	2	12							0	0	0	0	0	0	0	0
#	**2,9**			**2,9**			**0,0**			**1,7**			**5,9**			**4,8**			**3,1**			**2,1**			**1,6**			**3,5**			**2,4**		

Observations of the SIDC are not included in the Belgian monthly Wolfnumber.
Publ Obs Mira : observers : Francis Meeus , Guido Mattheus and Marc Rayen

	SIDC	J. Devriese			J. Bourgeois			KSB			Carels			G.Gubbels			J. Claes			E. De Ceuninck			S . Kleber			B. Taillieu			S. Dufoer			F. van L	
Dag	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f
1	16							2	3	23	1	6	16	3	7	37				2	5	25				2	3	23	2	5	25		
2	9							1	2	12	1	3	13							2	5	25											
3	9																			1	3	13											
4	7							0	0	0	0	0	0							1	2	12				0	0	0					
5	0										0	0	0							0	0	0	0	0	0	0	0	0	0	0	0		
6	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0
8	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0
9	0							0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	0				0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0					
12	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	7							0	0	0	1	1	11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	11	0	0	0		
14	7										1	2	12							1	2	12	0	0	0	1	2	12	1	1	11		
15	0							0	0	0	0	0	0	1	2	12	0	0	0	0	0	0	0	0	0	0	0	0					
16	0				0	0	0	0	0	0	0	0	0	1	1	11	0	0	0	0	0	0				0	0	0					
17	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0		
18	0				0	0	0	0	0	0				0	0	0	0	0	0	0	0	0											
19	8										0	0	0																				
20	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0		
21	0							0	0	0	0	0	0							0	0	0											
22	8							1	4	14	2	3	23	1	3	13	1	2	12	1	3	13	1	2	12	2	4	24	1	2	12	1	3
23	8							1	4	14	1	2	12	1	2	12	0	0	0	1	4	14							1	4	14	1	4
24	7							1	1	11	0	0	0	1	2	12				1	2	12		0	0	1	1	11					
25	0							0	0	0	0	0	0				0	0	0	0	0	0				1	1	11					
26	0							0	0	0	0	0	0							0	0	0		0	0	0	0	0	0	0	0		
27	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
28	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0				0	0
29	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
30	0							0	0	0	0	0	0	0	0	0				0	0	0		0	0	0	0	0				0	0
#	**2,9**			**####**			**0,0**			**2,8**			**3,1**			**4,9**			**0,7**			**4,3**			**0,7**			**3,8**			**4,1**		

	SIDC	K.Dewaele			Verboven			J.Bavais			R. Gadyne			JG Astrolab			D.V.Hessche			A. De Kerchove			L.Gysel			R. Dezeure			P.J. Dekelver			
Dag	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	g	f	R	
1	16				2	5	25																			2	3	23	3	9	39	
2	9																									1	2	12	2	4	24	
3	9				0	0	0																			1	2	12	1	2	12	
4	7				0	0	0	1	1	11							0	0	0										0	0	0	
5	0				0	0	0				0	0	0													0	0	0	0	0	0	
6	0				0	0	0										0	0	0				0	0	0	0	0	0	0	0	0	
7	0										0	0	0													0	0	0	0	0	0	
8	0				0	0	0																0	0	0	0	0	0	0	0	0	
9	0				0	0	0				0	0	0				0	0	0				0	0	0	0	0	0	0	0	0	
10	0				0	0	0				0	0	0										0	0	0	0	0	0	0	0	0	
11	0				0	0	0				0	0	0										0	0	0	0	0	0	0	0	0	
12	0				0	0	0										0	0	0				0	0	0	0	0	0	0	0	0	
13	7	0	0	0	0	0	0				1	1	11										0	0	0	0	0	0	1	3	13	
14	7	0	0	0							1	1	11													0	0	0	0	0	0	
15	0				0	0	0				0	0	0										0	0	0	0	0	0	0	0	0	
16	0				0	0	0				0	0	0										0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0				0	0	0										0	0	0	0	0	0	0	0	0	
18	0				0	0	0				0	0	0																0	0	0	
19	8				0	0	0																0	0	0							
20	0				0	0	0	0	0	0	0	0	0										0	0	0	0	0	0	0	0	0	
21	0				0	0	0				0	0	0										0	0	0	0	0	0	0	0	0	
22	8				0	0	0				1	2	12										2	2	24	0	0	0	1	2	12	
23	8				0	0	0																2	2	24	1	2	12	1	3	13	
24	7										0	0	0										0	0	0	1	2	12	1	1	11	
25	0																									0	0	0				
26	0				0	0	0	0	0	0							0	0	0							0	0	0	1	2	12	
27	0				0	0	0																			0	0	0	0	0	0	
28	0				0	0	0																			0	0	0	0	0	0	
29	0										0	0	0													0	0	0	0	0	0	
30	0										0	0	0													0	0	0	0	0	0	
#	**2,9**			**0,0**			**1,1**			**3,7**			**2,0**			**####**			**0,0**			**#####**			**3**			**2,6**			**5**	

Sunspotnumbers VVS Belgium

Month: 'April 2008

	GROUPS			WOLFNUMBER					
Day	N	S	N+S	N	S	N+S	RE'	CV	OBS
1	0	2	2	0	26,5	**26,5**	78	24	13
2	0	2	2	0	16,8	**16,8**	98	7	11
3	0	1	1	0	12,5	**12,5**	40	9	11
4	0	1	1	0	4,9	**4,9**	7	2	14
5	0	0	0	0	0	**0**	0	0	15
6	0	0	0	0	0	**0**	0	0	25
7	0	0	0	0	0	**0**	0	0	21
8	0	0	0	0	0	**0**	0	0	21
9	0	0	0	0	0	**0**	0	0	21
10	0	0	0	0	0	**0**	0	0	25
11	0	0	0	0	0	**0**	0	0	20
12	0	0	0	0	0	**0**	0	0	22
13	1	0	1	4,1	0	**4**	2	1	22
14	1	0	1	6,7	0	**7**	5	1	14
15	0	0	0	0	0	**0**	0	0	20
16	0	0	0	0	0	**0**	0	0	22
17	0	0	0	0	0	**0**	0	0	24
18	0	0	0	0	0	**0**	0	0	14
19	0	0	0	0	0	**0**	0	0	6
20	0	0	0	0	0	**0**	0	0	23
21	0	0	0	0	0	**0**	0	0	15
22	1	0	1	13,5	0	**13,5**	17	7	23
23	1	0	1	12,4	0	**12,4**	35	8	19
24	1	0	1	7,4	0	**7,4**	4	1	21
25	0	0	0	0	0	**0**	0	0	11
26	0	0	0	0	0	**0**	0	0	22
27	0	0	0	0	0	**0**	0	0	21
28	0	0	0	0	0	**0**	0	0	18
29	0	0	0	0	0	**0**	0	0	20
30	0	0	0	0	0	**0**	0	0	17
	0,17	**0,20**	**0,37**	**1,5**	**2,0**	**3,5**	**9,5**	**2,0**	**551**

Monthly mean: **3,5** Covering: **30/30** Spotless days: **21**
Observations: **551** Number of observers: **30**

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Observers:
Devriese ; De Ceuninck ; Janssens ; Publ obs Mira ; Bourgeois ; Macharis
De Backer; Dubois ; Gysel ; Kleber ; Deman ; Taillieu ; Carels ; Dewaele
Meeus ; Steen ; KSB ; Gabriel ; Claeys ; Devriese ; Thooris ; Vanleenhove
Claes ; Verboven ; Van Loo ; Son ; Coeckelberghs ; Gadyne
S.Dufoer ; G.Gubbels ; jeugdwerking Astrolab ; J Bavais ; A. De Kerchove

VVS Belgian Solar Observers Prominence number Rp

Month : April 2008

Day	J. Janssens time	Q	W	H	e	PST Rp	F. Dubois time	Q	W	H	e	PST Rp	E. De Ceunick time	Q	W	H	e	PST Rp	L. Meeus time	Q	W	H	e	PST Rp	J. Hambsch (asm 60) time	Q	W	H	e	Rp	G. Deman (Lille 20/20) time	Q	W	H	e	Rp
1							13,24	2	2	2	2	22																								
2							7,27	3	3	3	4	34																								
3													08.00	1,00	2	6	7	67																		
4							9,47	2,5	2	4	6	45																								
5							16,05	3	2	6	9	69	11.30	2,00	2,5	5	6	56							15u40	3	2	7	9	79						
6	7:30	3,5	2	5	11	61													12.30	2	3	7	10	80	10u40	3	2	7	12	82						
7							9,17	3	2	3	4	34	09.00	2,00	3	4	4	44							11u15	2,5	3	3	4	34	9:20	3	2	7	8	78
8							9,10	3	2	4	4	44	08.00	1,50	3	4	4	44	12.45	4	3	1	1	11							8:35	3	1	5	6	56
9							8,12	3	2	2	3	23	08.30	1,50	3	1	1	11																		
10	7:45	4	2	1	1	11	7,50	4	2,5	3	3	33	08.00	2,50	3	1	1	11							11u15	2,5	3	2	2	22	9:30	3	1	4	4	44
11							7,50	3	1,5	2	3	23	09.00	2,00	2	1	1	11																		
12	6:45	4	2	3	4	34	6,30	4	2,5	2	2	22	08.00	3,00	2	3	3	33	17.00	3	1,5	2	3	23	15u40	3	2	2	2	22	8:20	3	2	2	4	24
13							7,37	3,5	1,5	1	1	11	08.00	3,00	2,5	1	1	11	13.45	3	2	1	1	11							7:50	3	1	3	5	35
14							15,53	2,5	2,5	4	5	45	08.00	1,50	3	4	4	44																		
15							6,53	4	1	2	3	23	08.00	3,00	3	2	2	22																		
16	7:05	4	2	3	4	34	8,00	2,5	1,5	4	8	48	08.30	2,50	3	3	3	33							10u50	3	2	4	7	47						
17							7,56	3,5	1,5	3	4	34	08.45	1,50	3	3	3	33							16u15	3,5	2	4	4	44						
18							8,10	2,5	2	6	6	66																								
19																																				
20	6:30	3,5	2	5	10	60	13,11	3	3	2	2	22	08.00	2,00	3	3	3	33													8:40	3	2	5	7	57
21							10,48	3	3	4	4	44																								
22							8,30	3,5	2,5	2	3	23	08.00	1,50	3	1	1	11	13.45	3	2	2	2	22							8:40	3	2	2	5	25
23	7:35	3	2	2	2	22	7,08	2,5	2	3	3	33													11u15	3,5	2,5	2	2	22						
24	7:35	3	2	1	2	12	6,48	3	1,5	2	2	22	07.45	2,00	3	2	2	22							11u15	3,5	2,5	2	2	22	10:35	3	2	3	3	33
25							16,23	2	3,5	1	1	11																			7:45	2	4	0	0	0
26	7:55	3	2,5	3	4	34	12,50	3,5	2	2	2	22													10u00	3,5	2,5	5	5	55	11:50	3	3	3	4	34
27							11,50	2,5	2	1	1	11																			0,33	2	3	3	4	34
28							13,42	2,5	2	4	7	47							15.30	3	2,5	4	5	45												
29																																				
30													08.00	1,50	2,5	6	6	66																		
31																																				
	8	3,5	2,1	2,9	4,8	33,5	25	3,0	2,1	2,9	3,7	32,4	17	2	2,7	2,9	3,1	32,5	6	3,0	2,3	2,83	3,7	32,0	10	3,1	2,4	3,8	4,9	42,9	11	2,8	2,1	3,36	4,5	38,2

Day	O. Steen time	Q	W	H	e	PST Rp	H. Coekelberghs time	Q	W	H	e	PST Rp	J. Claes time	Q	W	H	e	PST Rp	A Gabriel time	Q	W	H	e	(asp 60) Rp	R.Blondeel (asp 60) time	Q	W	H	e	Rp	G. Gubbels time	Q	W	H	e	PST Rp
1	16,30	3	2	3	3	33													8:00	3	3	7	14	84												
2	6,35	3	2,5	3	3	33													14:30	3	2	5	8	58												
3	6,55	3,5	2	4	6	46													8:45	3	2	4	6	46												
4	6,15	3	2	5	6	56													11:30	3	2	6	8	68												
5	11,25	3	2	6	8	68													10:45	3	2	7	12	82							16.32	3.5	1.5	6	14	74
6	6,50	3	2	7	8	78	9:15	3	2	7	10	80	0830	3	1	7	11	81	8:00	4	1	7	11	81	11,15	2	2	5	5	55	7.40	4	1	6	16	76
7	6,50	4	2	4	4	44							1115	3	2	3	5	35	8:00	3	3	5	7	57							11.15	3	1.5	5	9	59
8	6,30	3	2	4	4	44							0730	4	1	3	5	35	8:00	4	1	8	12	92	9,00	2	2	4	4	44	7.42	4	1	4	8	48
9	8,05	3,5	2	1	1	11													7:40	4	2	6	8	68												
10	7,10	4	2	3	3	33							1515	3	2	4	5	45	7:50	4	2	4	6	46												
11	8,25	4	2	2	4	24													8:00	4	2	4	5	45							8.02	3.5	1.5	3	7	37
12	6,50	3	2	3	3	33							1540	4	1	3	4	34	9:40	3	2	3	5	35							6.37	3.5	1.5	3	7	37
13	14,20	4	2	3	5	35							1215	3	2	2	3	23	11:30	4	2	3	3	33							14.42	4	1.5	2	3	23
14	7,20	4	2,5	5	5	55													9:30	5	2	5	7	57												
15	6,45	4	2	3	4	34							1545	4	1	2	3	23	8:15	4	2	3	4	34							16.07	4	1	2	3	23
16	12,00	3,5	2	3	5	35							0730	4	1	4	8	48	8:10	4	1	4	6	46							16.23	3.5	1	5	8	58
17	7,10	3,5	2	4	4	44							1145	3	2	2	3	23	8:00	4	2	5	7	57							6.11	3	1.5	4	6	46
18	14,50	3,5	2,5	3	5	35							1530	3	2	3	5	35	9:25	3	2	6	10	70							16.03	3.5	1	4	8	48
19																			9:50	3	3	4	6	46												
20	8,05	4	2	5	5	55	10:30	5	3	8	12	92	930	3	2	4	6	46	7:30	4	2	6	10	70	8,20	3	2	3	5	35	8.00	3	1.5	7	13	83
21	8,35	3,5	3	3	4	34													7:30	3	2	5	11	61							12.23	2.5	3	4	7	47
22	7,10	3,5	2,5	3	4	34													7:50	4	2	5	9	59	11,20	2	2	2	2	22	9.08	3	1.5	3	8	38
23	7,10	4	3	3	3	33							1400	3	2	1	1	11	7:15	4	2	4	6	46							8.10	3.5	1.5	2	5	25
24	8,10	3	2	3	3	33													7:20	3	1	3	5	35							9.53	3.5	1.5	2	3	23
25	11,35	3,5	2,5	2	2	22							1030	3	2	2	3	23	7:30	3	3	3	4	34												
26	11,15	4	2,5	2	2	22													10:50	3	2	4	6	46							9.55	3.5	1	3	7	37
27	6,20	3,5	3	3	3	33	12:35	3	2	1	1	11	1530	3	2	2	5	25	7:10	3	3	3	4	34							10.26	3	2	4	5	45
28	14,15	3,5	2,5	5	5	55							1530	3	2	5	7	57	14:00	3	2	4	6	46							16.10	4.5	1	6	11	71
29	6,00	3	2	6	7	67							0930	4	1	5	9	59	7:30	4	2	7	11	81												
30	8,50	3	2	5	5	55													9:30	3	2	6	9	69							16.14	3.5	1.5	7	21	91
31																																				
	29	3,5	2,2	3,7	4,3	40,8	3	3,7	2,3	5,3	7,7	61,0	16	3,3	1,6	3,3	5,2	37,7	30	3,5	2,0	4,87	8	56,2	4	2,3	2,0	3,5	4,0	39,0	20	3,4	1,3	4,1	8,5	49,5

Day	T.Spaninks time	Q	W	H	e	PST Rp
1						
2						
3						
4						
5						
6	7,45	4	2	7	10	80
7						
8	7,41	4	2	8	9	89
9						
10	7,33	4	1	3	3	33
11						
12	6,35	4	2	4	5	45
13						
14						
15	10,40	4	2	3	5	35
16	5,44	4	1	5	5	55
17	5,48	4	1	8	9	89
18						
19						
20	10,36	3	2	6	8	68
21						
22						
23						
24						
25						
26						
27						
28						
29	9,49	3	2	7	7	77
30						
31						
	9	3,8	1,7	5,7	6,8	63,4

Time : Beginning of observation
Q : Seeing scale SIDC
W : transparency scale of Wedel , see http://members.chello.be/j.janssens/
H : number of prominence groups at the limb
e : total of individual prominences at the limb
Rp : H*10+e
More info at : http://members.chello.be/j.janssens/

Prominence number Rp

Belgian solar observers

Month: **April 2008**

Day	Q	Wedel		H	e	Rp	el. Obs	Stdev	OBS
1	2,5	2		2,5	2,5	**27,5**	1	7,8	3
2	3	2,5		3,7	5	**42**		14,2	3
3	2,5	2		4,7	6,3	**53,3**		12,1	3
4	2,8	2		5	6,7	**56,7**		11,5	3
5	2,8	2,1		6,2	9,7	**71,7**		9,3	6
6	3,2	1,8		6,5	10,4	**75,4**		9,4	10
7	2,9	2,5		3,9	5,3	**44,3**	1	10,6	8
8	2,9	1,7		4	5	**45**	3	6,2	10
9	2,7	2,3		1,3	1,7	**14,7**	1	6,9	4
10	3,5	1,9		3,3	3,7	**36,7**	2	8,8	9
11	3,7	1,8		2,8	4,8	**32,8**	1	10,6	5
12	3,4	1,9		2,7	3,8	**30,8**		7,4	11
13	3,4	1,9		2	2,8	**22,8**		10,8	8
14	3,3	2,5		4,5	5,3	**50,3**		6,7	4
15	3,9	1,7		2,4	3,4	**27,4**		6,2	7
16	3,4	1,6		3,9	6	**45**		9,1	9
17	3,1	2,1		3,6	4,4	**40,4**		11	8
18	3,3	1,8		3,3	6	**39**	2	7,5	5
19	3	3		4	6	**46**			1
20	3,2	2		4,9	7,4	**56,4**	2	16,4	11
21	3,2	2,8		4	6,5	**46,5**		11,2	4
22	3	3,2		2,3	4	**27**	2	6,9	8
23	3,4	2,3		2,7	3,5	**30,5**	1	9,2	7
24	2,9	2		2,3	2,8	**25,8**		7,8	8
25	2,9	2,8		2	2,5	**22,5**	1	9,4	5
26	3,3	2,2		2,8	4,2	**32,2**	1	9,2	7
27	2,9	2,6		3	4,2	**34,2**	2	7,1	7
28	3	2		4,7	6,8	**53,8**		9,9	6
29	3,5	1,8		6,3	8,5	**71,5**		9,9	4
30	2,2	2,2		5,7	6,7	**63,7**		7,4	4
	3,09	**2,17**		**3,7**	**5,2**	**42,2**	**20**	**9,3**	**188**

Monthly mean: **42,2** Covering: **30/30**
Observations: **188** Number of observers: **13**

V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS
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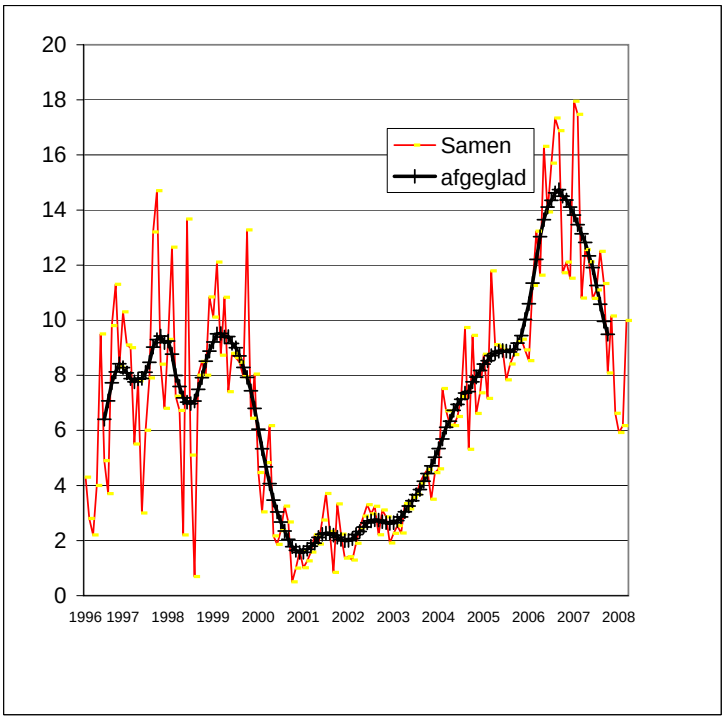
Observers:
Steen ; Dubois ; Meeus ; De Ceuninck ; Coeckelberghs ; Janssens
Hambsch ; Claes ; Gabriel ; Blondeel ; Deman ; G.Gubbels ; T.Spaninks
Q : Seeing scale SIDC
W : transparency scale of Wedel , see http://members.chello.be/j.janssens/
H : number of prominence groups at the limb
e : total of individual prominences at the limb
Rp : H*10+e
More info at : http://members.chello.be/j.janssens/

Belgian Solar Observers

Polar Faculae

Month: April 2008

Date	Dubois 125mm F20			Steen 102mm F15			Deman 150mmF15			Gabriel 250 mm F20			Carels 150mm F8			Janssen 200mmF10			T.Spaninks 127mm F15			G.Gubbels		
	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q
1																						4	9	3
2				2	3	3																		
3	3	7		2	5	3,5																		
4				3	5	3,0																		
5				1	4	3,0																		
6				2	6					11	24	4				3	6	3,5	1	1	4	4	5	3.5
7	5	7		4	5	4,0	12	19	3	11	21	3										7	11	4
8	2	7		5	7	3,5	10	17	3	17	39	4							0	0	4	7	10	4
9	5	5		3	6	3,5				15	32	4												
10	10	19		3	9	4,0	12	25	3	12	31	4				1	8	4,0	2	0	4	3	8	2.5
11	3	11		3	7	3,5				11	27	4							0	0	3	9	13	4
12				4	6	3,5	15	27	3	12	29	3				1	6	4,0	2	2	4	6	10	3.5
13	4	10		5	8	4,0	13	26	3	14	30	4										2	9	4
14	4	14		6	6	4,0				16	36	5												
15	4	17		5	8	4,0				13	31	4							4	2	4	4	7	4
16	4	13		7	11	3,5				17	34	4				4	11	4,0	1	0	4	6	13	4
17	3	11		4	5	3,5				15	34	4							1	0	4	10	16	3.5
18				2	7	3,5				9	26	3										8	14	3.5
19										7	22	3							0	0	4			
20				4	6	3,5	7	16	3	7	24	4				1	4	3,5	1	0	4	3	10	3.5
21										7	20	3							0	0	3			
22	3	13		5	10	3,5	8	24	3	9	24	4										2	9	3.5
23	4	11		7	8	4,0				9	29	4				0	2	3,0				3	8	3
24				3	5	3,5	10	17	3	9	26	3				2	7	3,0				2	5	3
25				3	4	3,5				7	21	3												
26				3	6	3,5	4	14	3	7	17	3				1	8	3,0						
27										10	21	3							0	0	4	6	9	3
28										11	23	3							0	0	3	7	12	4.5
29										15	22	4							0	0	4			
30				4	5	3,5				17	19	3										6	12	3
31																								
	4,15	11,15		3,75	6,33		10,1	20,6		11,5	26,5		#####	#####		1,63	6,50		0,86	0,36		5,21	10,00	



Different Relative Sunspotnumbers Month : April 2008

CV

Date	F.Dubois	O.Steen	L.Meeus	J.Carels	J.Janssens	G.Gubbels	H.De Backer	S.Dufoer	Mean
1	38	11		9		26	19	42	24,2
2	8	1	7	7			10		6,6
3	8	8	8				10		8,5
4	1	1		0			7		2,3
5	0	0		0			0	0	0,0
6	0	0	0	0	0	0	0	0	0,0
7	0	0	0	0		0	0		0,0
8	0	0	0	0		0	0		0,0
9	0	0	0	0			0	0	0,0
10	0	0	0	0	0	0	0	0	0,0
11	0	1	0	0		0	0		0,2
12	0	1	0	0	0	0	0	0	0,1
13	1	1	0	1		0	0	0	0,4
14	2	2		2			0	1	1,4
15	0	0	0	0		1	0		0,2
16	0	0	0	0	0	1	0		0,1
17	0	0	0	0		0	0	0	0,0
18	0	1	0			0	0		0,2
19		0		0					0,0
20	0	0		0	0	0	0	0	0,0
21	0	0	0	0			0		0,0
22	1	3	2	14		19	11	0	7,1
23	2	2	5	5	5	19	12	13	7,9
24	1	1	1	0	1	2	1		1,0
25	0	0		0			0		0,0
26	0	0	0	0	0		0	0	0,0
27	0	0	0	0		0	0	0	0,0
28	0	0	0	0		0	0		0,0
29	0	0	0	0		0	0	0	0,0
30	0	0		0		0	0		0,0
##	2,1	1,1	1,0	1,4	0,8	3,4	2,4	3,7	2,0

Pettisindex SN

Date	G.Gubbels	F.Dubois	O.Steen	J.Carels
1	33	12	12	13
2		12	11	11
3		13	12	
4		2	1	0
5		0	0	0
6	0	0	0	0
7	0	0	0	0
8	0	0	0	0
9		0	0	0
10	0	0	0	0
11	0	0	1	0
12	0	0	1	0
13	0	1	1	1
14		2	2	1
15	2	0	0	0
16	1	0	0	0
17	0	0	0	0
18	0	0	2	
19			0	0
20	0	0	0	0
21		0	0	0
22	20	3	4	21
23	20	5	2	11
24	2	1	1	0
25		0	0	0
26		0	0	0
27	0	0	0	0
28	0	0	0	0
29	0	0	0	0
30	0	0	0	0
##	3,9	1,8	1,7	2,1

Intersol IS

Date	F.Dubois	J.Carels	G.Gubbels
1	4	7	9
2	7	3	
3	7		
4	3	0	
5	0	0	
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	
10	0	0	0
11	0	0	0
12	0	0	0
13	1	1	0
14	3	1	
15	0	0	3
16	0	0	1
17	0	0	0
18	0		0
19		0	
20	0	0	0
21	0	0	
22	4	4	4
23	6	3	3
24	1	0	3
25	0	0	
26	0	0	
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
##	1,2	0,7	1,2

Becknumber

Date	F.Dubois	O.Steen	L.Meeus	P.J. Dekelver	J.Carels	G.Gubbels	S.Dufoer	R.Verboven	A.T.Son	J.Bourgeois	H.Coeckelberghs	De Backer	Pbl Obs Mira	J.Claes	D.Van Hessche	Mean	Date
1	96	119		39	32	85	140					72				83	1
2	146	78	88	24	132							74				90	2
3	48	32	32	12				0				111				39	3
4	8	4		0	0			0				37			0	7	4
5	0	0		0	0		0	0				0				0	5
6	0	0	0	0	0	0	0	0	0		0	0		0	0	0	6
7	0	0	0	0	0	0			0			0		0		0	7
8	0	0	0	0	0	0		0	0			0		0		0	8
9	0	0	0	0	0		0	0	0			0	0		0	0	9
10	0	0	0	0	0	0	0	0	0			0	0	0		0	10
11	0	4	0	0	0	0		0	0			0				0	11
12	0	4	0	0	0	0	0	0				0		0	0	0	12
13	4	4	0	13	4	0	0	0				0		0		3	13
14	8	8		0	8		4					0				5	14
15	0	0	0	0	0	8		0				0	0	0		1	15
16	0	0	0	0	0	4		0	0			0	0	0		0	16
17	0	0	0	0	0	0	0	0	0		0	0	0	0		0	17
18	0	8	0	0		0		0				0		0		1	18
19		0			0			0								0	19
20	0	0		0	0	0	0	0	0		0	0		0		0	20
21	0	0	0	0	0			0	0			0				0	21
22	12	16	8	12	40	54	8	0	12			24		8		18	22
23	20	8	32	13	16	36	72	0	160			24		0		35	23
24	4	4	4	11	0	8			0			4	8			5	24
25	0	0			0							0		0		0	25
26	0	0	0	12	0		0	0	0		0	0			0	1	26
27	0	0	0	0	0	0	0	0	0		0	0		0		0	27
28	0	0	0	0	0	0		0	0			0		0		0	28
29	0	0	0	0	0	0	0		0			0	0	0		0	29
30	0	0		0	0	0						0				0	30
##	11,9	10	7	4,9	8	10	15	0	10	####	0	12	1,1	0,5	0	9,6	

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 381 from 2008 Apr 14

SOLAR ACTIVITY

On April 12, in MDI magnetograms, an area with a typical solar cycle 24 magnetic configuration became visible at a high latitude near the east solar disk boundary in the northern hemisphere. Small coronal loops were formed in the corona above the area with the concentrated magnetic field. The active region got the NOAA numbering 0990. On April 13, a tiny sunspot was formed at the photospheric level. Some activity coming from this region was noticed by Nemo, a software for automated detection of eruptions. Several eruptive dimmings were detected. This active region was responsible for the B-flare of April 16. On the other days of the week, the X-ray flux measured by GOES was beneath the measurement threshold.

GEOMAGNETIC ACTIVITY

Only on April 16, a geomagnetic disturbance was measured. The estimated planetary K index of NOAA reached two times the value of 4. In ACE-data, a signature typical for a coronal hole was present, although only a polar coronal hole as such was visible in SOHO/EIT.

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 383 from 2008 Apr 28

SOLAR ACTIVITY
No flares were observed this week. A stretched recurrent coronal hole was visible. The hole was restructured compared with the previous rotation. The first part is located near the equator. The trailing part had both polar and equatorial extensions.

GEOMANGNETIC ACITVITY

The partial halo CME with an estimated velocity of +/- 500 km/s when it left the sun on April 26 arrived on April 30, 2008 in the early afternoon. The solar wind speed increased up to 500 km/s. A rotation in the B_z component of the interplanetary magnetic field from negative to positive values was seen. The geomagnetic impact was limited to one period with an estimated Kp of 5. The solar wind data were after the impact of the CME overruled by the coronal hole mentioned in the previous section. Late May 01 and on May 02, conditions became active. >From May 03 onwards, unsettled conditions were measured because of the influence of the coronal hole.

SIDC Weekly bulletin on Solar and Geomagnetic activity WEEK 384 from 2008 May 05

SOLAR ACTIVITY

There has been no significant solar activity during the period. The only active region of the period was NOAA 933 which decayed to an Halpha plage. No flare above A1 level was recorded.

GEOMAGNETIC ACTIVITY
There has been no significant geomagnetic activity during the period. The solar wind gradually decayed from 700 km/s in the beginning of the period down to 300 km/s at the end of the period.