Newsletter Belgian Solar Observers

Results and news for solar observers	Volume 12	Number 135	May 2007
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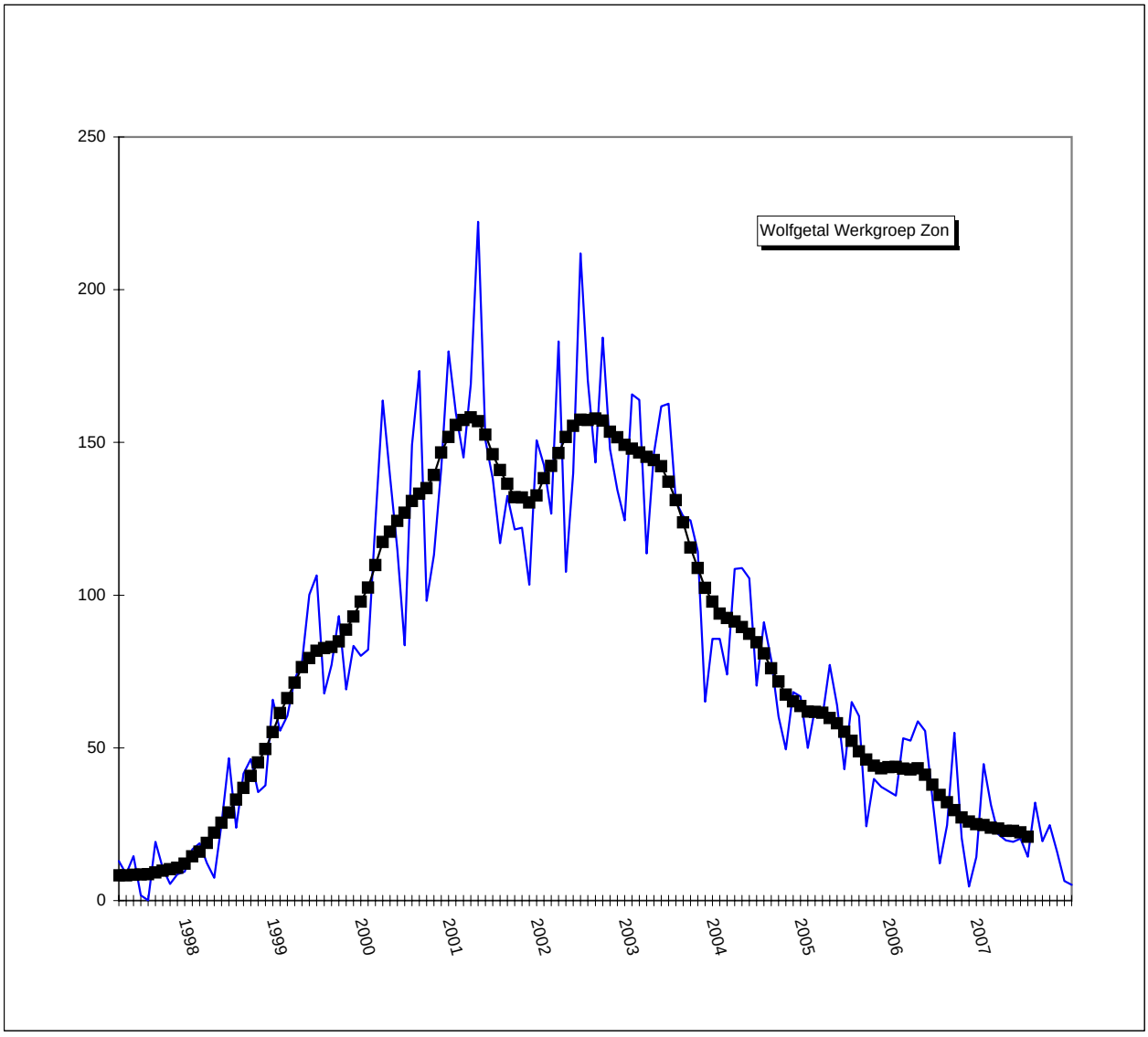
Content Newsletter

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 may observations

Groups :	N	**0,34**	Wolfnumb	N	**6,3**	Beck :	**167,1**
	S	**0,83**		S	**11,6**	CV	**16,6**
	N+S	**1,17**		N+S	**17,9**		
425 observations		25 observers					

Wolfnumbers Belgian Solar Observers

Month: **Mei 2007**

	SIDC	L. Meeus			H.Coeckelberghs			Publ Obs Mira			O. Steen			F. Dubois			L. Claeys			G. Deman			A.T.Son			H. De Backer			Macharis			A Gabriel			Dag
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	R	
1	20	2	13	33	2	4	24				2	9	29	2	15	35	2	15	35	2	11	31	2	12	32	2	14	34				2	14	34	1
2	20	2	14	34	2	5	25	2	7	27	2	7	27	2	17	37	2	13	33				2	11	31	2	15	35				2	15	35	2
3	12	2	11	31	1	3	13				1	7	17	1	10	20	2	11	31	1	6	16	1	5	15	1	7	17				1	9	19	3
4	11	1	6	16	1	2	12	2	3	23	1	5	15	1	6	16	1	5	15	1	5	15				1	7	17				1	8	18	4
5	10	1	7	17							1	6	16	1	7	17	1	8	18	1	6	16	1	5	15	1	8	18				1	8	18	5
6	9							1	1	11	1	3	13	1	5	15	1	3	13	1	5	15	1	4	14	1	5	15				1	4	14	6
7	8																																		7
8	9										0	0	0				0	0	0							0	0	0				1	2	12	8
9	11																																		9
10	12							1	8	18							1	12	22							1	8	18				1	7	17	10
11	14	1	16	26							1	12	22	1	16	26	1	15	25							1	10	20				1	12	22	11
12	13				1	2	12				1	7	17	1	13	23	1	10	20							1	9	19				1	11	21	12
13	11	1	10	20							2	7	27	1	8	18	1	8	18	2	12	32	1	13	23	1	5	15				2	11	31	13
14	18	2	11	31							2	9	29	2	11	31	2	10	30				1	10	20	2	9	29				2	7	27	14
15	18	2	11	31	1	5	15	2	9	29	2	13	33	2	17	37	2	13	33	2	17	37	1	13	23	2	14	34				2	19	39	15
16	17										1	14	24	2	20	40	1	14	24							1	13	23				2	16	36	16
17	24										1	17	27	1	31	41																2	23	43	17
18	25	2	31	51				2	34	54	3	22	52	2	28	48	1	16	26				2	26	46	1	23	33				2	25	45	18
19	22	2	16	36	1	2	12				2	13	33	2	24	44				2	16	36	1	13	23	1	17	27				2	21	41	19
20	14										1	10	20							1	13	23	1	13	23	1	12	22				1	13	23	20
21	11										1	5	15				1	7	17				1	6	16	1	5	15				1	10	20	21
22	9										1	3	13				1	4	14				1	3	13	1	2	12				1	4	14	22
23	14	2	4	24	0	0	0	2	3	23	2	3	23	2	5	25	2	2	22				1	1	11	2	3	23				2	4	24	23
24	9	0	0	0	0	0	0	0	0	0	1	1	11	1	1	11	0	0	0	1	1	11				0	0	0				1	1	11	24
25	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	25
26	0													0	0	0	0	0	0							0	0	0				0	0	0	26
27	0										0	0	0	0	0	0	0	0	0							0	0	0				0	0	0	27
28	0										0	0	0	0	0	0				1	1	11				0	0	0				1	1	11	28
29	7	1	2	12				1	1	11	1	1	11	1	1	11	1	2	12	1	1	11				1	2	12				1	1	11	29
30	7	1	2	12	1	1	11	1	1	11	1	1	11	1	1	11	1	2	12				1	2	12	1	1	11				1	2	12	30
31	7	1	2	12	0	0	0	0	0	0	1	1	11	1	2	12	0	0	0				0	0	0	0	0	0				1	2	12	31
#	**11,7**			**22,7**			**11,3**			**17,3**			**18,4**			**21,6**			**16,8**			**19,5**			**19,0**			**16,0**			**####**			**21,0**	

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			L. Gysel			R. Gadyne			E. De Ceuninck			S . Kleber			B. Taillieu			Dewaele			F. van Loo			Dag
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	R	
1	20				2	17	37	2	11	31	2	10	30							2	12	32				2	6	26				1	4	14	1
2	20				2	20	40	2	12	32	2	19	39							2	12	32				2	11	31				2	8	28	2
3	12				1	13	23	1	11	21	1	5	15							1	9	19				1	4	14							3
4	11				1	7	17	1	8	18	1	6	16							1	8	18				2	6	26				1	5	15	4
5	10				1	9	19	1	11	21	1	6	16							1	5	15				1	2	12				1	5	15	5
6	9							1	4	14	1	4	14							1	9	19				1	3	13							6
7	8																																		7
8	9										1	6	16																						8
9	11																																		9
10	12																															1	9	19	10
11	14				1	12	22	1	14	24										1	15	25				1	13	23				1	15	25	11
12	13				1	11	21	1	10	20	1	8	18							1	17	27				1	11	21							12
13	11				1	9	19				1	6	16							1	13	23				2	8	28				1	15	25	13
14	18				2	12	32	2	8	28										2	12	32										2	9	29	14
15	18				1	12	22	1	16	26										2	16	36										1	7	17	15
16	17							1	16	26										2	17	37				1	8	18				1	10	20	16
17	24										2	22	42							3	22	52				2	9	29							17
18	25							1	39	49	2	24	44							2	21	41				2	15	35				2	36	56	18
19	22				1	21	31	1	13	23	2	19	39							2	23	43				2	12	32							19
20	14							1	9	19	1	9	19							2	18	38													20
21	11				1	7	17	1	6	16																1	4	14							21
22	9				1	4	14	1	2	12																2	5	25				1	9	19	22
23	14							2	3	23										2	6	26				2	3	23				2	3	23	23
24	9				0	0	0	0	0	0										1	1	11				0	0	0				0	0	0	24
25	0							0	0	0	0	0	0							0	0	0				0	0	0				0	0	0	25
26	0				0	0	0																			0	0	0							26
27	0				0	0	0				0	0	0							0	0	0				0	0	0							27
28	0										0	0	0							1	1	11				0	0	0							28
29	7				1	2	12	1	1	11	1	1	11							1	1	11				1	2	12							29
30	7				1	2	12	1	1	11										1	3	13				1	2	12				1	1	11	30
31	7				0	0	0	1	2	12	1	2	12							2	3	23										1	1	11	31
#	**11,7**			**####**			**17,8**			**19,9**			**19,3**			**####**			**####**			**24,3**			**####**			**17,0**			**####**			**19,2**	

	SIDC	J. Claes			Verboven			S. Dufoer			B. Thooris			J.Bavais			JG Astrolab			G.Gubbels			D.V.Hessche			M.Vanleenhove							Dag
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							
1	20	2	14	34				2	11	31	2	14	34							2	12	32				2	10	30							1
2	20	2	9	29				2	24	44	2	10	30							2	9	29													2
3	12	1	9	19				1	7	17	1	13	23							1	11	21													3
4	11	1	11	21																1	16	26													4
5	10	1	6	16							1	4	14				1	7	17	1	8	18													5
6	9	1	3	13																1	5	15	1	1	11										6
7	8																																		7
8	9																			1	6	16													8
9	11																																		9
10	12	1	12	22																1	22	32													10
11	14																			1	19	29													11
12	13	1	10	20							1	5	15				1	3	13	1	10	20				1	17	27							12
13	11	1	6	16				1	7	17	2	4	24				1	11	21	1	10	20				1	7	17							13
14	18																			1	5	15													14
15	18	2	12	32																2	16	36				1	7	17							15
16	17	1	10	20																1	12	22				1	18	28							16
17	24	1	12	22				1	37	47	1	9	19							1	20	30	1	5	15										17
18	25	1	16	26				1	33	43										2	24	44													18
19	22							1	18	28							1	19	29	2	13	33													19
20	14																			1	12	22													20
21	11																			1	7	17													21
22	9	1	5	15				1	1	11										1	3	13	0	0	0										22
23	14	2	4	24				2	2	22	1	1	11							2	2	22													23
24	9	0	0	0				0	0	0	0	0	0							0	0	0													24
25	0	0	0	0							0	0	0							0	0	0													25
26	0																																		26
27	0										0	0	0							0	0	0													27
28	0										0	0	0																						28
29	7	1	1	11				1	1	11	1	1	11							1	1	11	0	0	0										29
30	7	1	1	11																1	2	12													30
31	7	1	1	11																1	1	11													31
#	**11,7**			**18,1**			**####**			**24,6**			**13,9**			**####**			**20,0**			**20,2**			**7**			**24**			**####**			**#####**	

Sunspotnumbers VVS Belgium

Month: 'May 2007

	GROUPS			WOLFNUMBER					
Day	N	S	N+S	N	S	N+S	RE'	CV	OBS
1	0	2	2	0	30,9	**30,9**	371	43	22
2	0	2	2	0	32,4	**32,4**	306	40	20
3	0	1	1	0	19,3	**19,3**	325	38	19
4	0	1	1	0	17,8	**17,8**	280	37	18
5	0	1	1	0	16,4	**16,4**	312	37	19
6	0	1	1	0	13,9	**13,9**	149	27	16
7									
8	0	1	1	0	7,3	**7,3**	33	1	6
9									
10	0	1	1	0	20,3	**20,3**	228		8
11	0	1	1	0	24,1	**24,1**	162	9	12
12	0	1	1	0	19,6	**19,6**	138	6	16
13	0	2	2	0	21,6	**21,6**	95	16	19
14	1	1	2	8,6	19,1	**27,7**	66	11	12
15	1	1	2	15,6	13,6	**29,2**	252	28	17
16	1	1	2	18	8,5	**26,5**	353	15	12
17	1	0	1	32,2	0	**32,2**	574	38	12
18	1	1	2	26,5	15,4	**41,9**	544	45	18
19	1	1	2	19,3	12	**31,3**	246	32	18
20	1	0	1	23,2	0	**23,2**	132	15	9
21	1	0	1	16,3	0	**16,3**	132	7	9
22	1	0	1	13,4	0	**13,4**	60	5	14
23	1	1	2	8,9	11,6	**20,5**	21	3	17
24	0	1	1	0	2,9	**2,9**	1	1	19
25	0	0	0	0	0	**0**	0	0	17
26	0	0	0	0	0	**0**	0	0	6
27	0	0	0	0	0	**0**	0	0	11
28	0	0	0	0	0	**0**	0	0	9
29	0	1	1	0	10,7	**10,7**	31	6	18
30	0	1	1	0	11,6	**11,6**	29	3	16
31	0	1	1	0	7,9	**7,9**	7	1	16
	0,34	**0,83**	**1,17**	**6,3**	**11,6**	**17,9**	**167,1**	**16,6**	**425**

Monthly mean: **17,9** Covering: **29/31** Spotless days: **4**
Observations: **425** Number of observers: **25**

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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

VVS Belgian Solar Observers Prominence number Rp

Month : May 2007

	J. Janssens						F. Dubois						E. De Ceunick						L. Meeus						J. Hambsch						asm 60	G. Deman						Lille 20/20
Day	time	Q	W	H	e	Rp	time	Q	W	H	e	Rp	time	Q	W	H	e	Rp	time	Q	W	H	e	Rp	time	Q	W	H	e	Rp		time	Q	W	H	e	Rp	
1	7:15	3	2	2	2	22	7,01	2	2,5	4	5	45		2,00	3	5	8	58	12h18	2	2	6	10	70	11u10	2	2	5	7	57		08.40	2	1	5	10	60	
2							6,48	3	2	4	4	44		3,00	3	8	10	90	08h40	3	2	4	5	45	11u15	2	2	3	3	33								
3							12,05	3	2,5	5	7	57		2,50	23	5	5	55	12h00	4	1,5	6	8	68	11u20	2	2	6	7	67		08.50	3	1	4	7	47	
4							11,50	2	3	3	3	33		2,00	3	5	6	56														10.45	3	2	5	6	56	
5							13,04	2,5	2	7	8	78		1,50	3	6	7	67														12.40	2	1	6	8	68	
6							7,48	3,5	2	6	10	70		2,00	3	7	7	77														07.15	4	2	6	9	69	
7																																						
8																																						
9																																						
10																																						
11							9,10	4	2	5	7	57		2,50	2,5	8	11	91	13h45	3	1,5	7	9	79														
12														2,50	2,5	7	11	81																			
13							15,13	2	2,5	4	5	45		2,00	2,5	7	8	78														12.25	3	2	5	7	57	
14							12,17	2,5	2,5	3	4	34		2,00	2,5	6	7	67																				
15														2,50	2,5	7	11	81													08.10	3	2	8	9	89	
16																																						
17							16,11	2,5	3	7	11	81		2,50	2,5	8	11	91																				
18	8:10	4	2,5	3	4	34	15,42	3	2,5	3	5	35		2,00	2,5	6	6	66	09h35	4	2	4	5	45														
19	7:15	3	2	4	6	46	16,15	3,5	2	6	10	70		2,50	2,5	6	8	68														08.25	2	2	5	9	59	
20	6:35	3	2	4	6	46								2,00	2,5	4	6	46														07.30	3	2	4	7	47	
21																																						
22																																						
23							8,24	4	3	5	5	55		3,00	2,5	6	6	66	09h25	4	1,5	3	4	34	11u15	2	2	5	9	59								
24							8,07	4	2,5	3	3	33		2,00	2,5	4	4	44														09.45	2	1	4	5	45	
25							6,50	4	2,5	5	5	55		2,50	2,5	6	7	67	09h50	4	1	8	10	90								07.10	5	1	5	7	57	
26																																						
27														2,00	3	6	6	66							12u25	3	2,5	6	10	70							
28														2,00	3	5	6	56														07.50	3	2	4	5	45	
29							15,50	3	2,5	2	2	22		1,50	2,5	3	3	33							16u25	2	2	2	3	23		10.50	3	2	5	7	57	
30							6,41	2,5	3	3	4	34		2,50	2,5	4	5	45	08h45	4	3,5	5	5	55	11u15	2	2	3	4	34								
31							13,43	3	2,5	4	8	48		3	2	5	9	59																				
	4	3,3	2,1	3,3	4,5	37,0	18	3,0	2,5	4,4	5,9	49,78	23	2,3	3,5	5,8	7,3	65,6	8	3,5	1,9	5,38	7,0	60,8	7	2,1	2,1	4,3	6,1	49,0	13	2,9	1,6	5,08	7,4	58,2	

	O. Steen						H. Coekelberghs						J. Claes						A Gabriel						asp 60	R.Blondeel						asp 60	G. Gubbels						PST
Day	time	Q	W	H	e	Rp	time	Q	W	H	e	Rp	time	Q	W	H	e	Rp	time	Q	W	H	e	Rp		time	Q	W	H	e	Rp		time	Q	W	H	e	Rp	
1		3	2	5	8	58	9u37	4	2	5	8	58	830	4	2	5	10	60	7:15	3	1	5	9	59	11h50	3	2	4	6	46								
2		3	2	6	6	66	12u20	3	3	0	0	0	830	4	2	6	6	66	7:15	3	1	7	11	71														
3		3,5	2	5	5	55	16u27	3	2	1	1	11	745	4	2	4	8	48	7:10	4	1	4	6	46														
4		3,5	2	5	5	55	7u05	3	4	3	4	34	1530	3	2	4	7	47	7:20	4	1	4	5	45	11h50	2	2	3	3	33								
5		3	2	6	7	67							1745	3	2	6	8	68	7:30	3	2	5	9	59														
6		3,5	2	6	8	68							730	3	2	5	11	61	8:15	3	2	6	10	70														
7																																						
8		3,5	2,5	5	6	56													6:45	3	2	5	8	58														
9																																						
10																			11:40	3	2	5	9	59														
11		3,5	2	5	8	58													10:55	3	2	7	10	80	14h50	3	2	6	11	71								
12		3,5	2	6	9	69	13u37	3	3	3	5	35							7:35	3	2	9	15	105														
13		3,5	2	6	7	67													13:10	3	2	7	11	81														
14		3,5	2	4	5	45													7:10	3	2	6	8	68														
15		3	2	6	7	67	7u56	3	3	10	12	112							6:50	4	2	5	8	58	11h50	3	2	7	7	77								
16		3	2,5	4	6	46													9:10	3	2	5	8	58								16.30	3	3	6	8	68	
17		4	2	6	9	69													12:10	4	2	7	13	83								12.25	3.5	1.5	5	9	59	
18		3,5	2	9	9	99													9:20	4	2	6	10	70								10.15	3.5	1.5	4	8	48	
19		3,5	2	5	7	57	18u05	3	2	2	4	24							7:00	5	1	7	11	81								7.57	3.5	1	3	7	37	
20		3	2	5	6	56													7:30	4	2	5	8	58								9.52	2.5	2	4	9	49	
21																			10:35	3	2	4	7	47														
22		3,4	2	5	5	55							1445	2	2	3	5	35	16:50	3	2	7	12	82								16.22	2	2.5	2	2	22	
23		4	2	5	6	56	12u53	3	2	3	5	35	830	4	1	6	10	70	7:00	4	1	6	10	70								16.03	3.5	2	5	10	60	
24		3,5	2	4	6	46	17u35	4	3	1	1	11	1130	3	2	3	5	35	7:00	4	1	5	8	58	08h50	3	2	3	3	33		15.48	4	2.5	7	12	82	
25		3,5	2,5	4	6	46							1330	3	2	5	14	64	9:20	4	2	6	9	69	14h50	3	2	4	7	47		10.34	3	2	8	14	94	
26																			12:50	3	2	6	8	68														
27		3	2	7	10	80													7:50	4	2	7	12	82								10.11	3	1	6	13	73	
28		3	2,5	6	7	67													7:40	4	3	5	7	57														
29		3	2	3	3	33							1230	3	2	4	7	47	11:15	3	2	4	5	45								16.09	2	2,5	1	1	11	
30		3,5	2	4	7	47	10u26	3	2	3	5	35	730	4	1	5	7	57	7:00	4	1	4	7	47														
31		3,5	2	6	12	72	15u50	3	3	6	10	70	1030	4	2	7	13	83	7:10	5	2	5	9	59								16.21	3.5	1.5	8	14	94	
	26	3,4	2,1	5,3	6,9	60,0	11	3,2	2,6	3,4	5	38,6	13	3,4	1,8	4,8	8,5	57,0	29	3,6	1,8	5,66	9,1	65,3	9	2,8	2,0	4,5	6,2	51,2	12	2,8	1,9	4,92	8,9	58,1	

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: May 2007

Day	Q	Wedel		H	e	Rp	el. Obs	Stdev	OBS
1	2,7	2		4,9	8,1	**57,1**		7,1	11
2	3	2,1		5	5,8	**55,8**	2	15,5	8
3	3,3	1,8		4,9	6,6	**55,6**	1	8,5	9
4	2,8	2,4		4	4,9	**44,9**		10,4	8
5	2,5	2		6	7,8	**67,8**		6	6
6	3,2	2,2		6	9,2	**69,2**		5,1	6
7									
8	3,3	2,3		5	7	**57**		11,4	2
9									
10	3	2		5,0	9	**59**		0	1
11	3,2	2		6,3	9,3	**72,3**		13,4	6
12	3	2,4		7,3	11,7	**84,7**		18,3	4
13	2,7	2,2		5,8	7,6	**65,6**		14,9	5
14	2,8	2,2		5,3	6,7	**59,7**		13	4
15	3,1	2,1		6,6	8,4	**74,4**		12,1	6
16	3	2,5		5	7,3	**57,3**		11	3
17	3,3	2,4		6,6	10,6	**76,6**		12,6	5
18	3,4	2,3		5	6,7	**56,7**	3	12,6	7
19	3,3	1,9		5,5	8,5	**63,5**	2	12,1	8
20	3	2,1		4,3	7	**50**		5,3	6
21	3	2		4	7	**47**		0	1
22	2,5	2		3,3	4	**37**	1	16,6	4
23	3,5	1,9		4,9	7,2	**56,2**		13,4	9
24	3,3	2		3,7	4,9	**41,9**	2	9,1	9
25	3,6	2,1		5	7,9	**57,9**	2	9,2	9
26	3	2		6	8	**68**		0	1
27	3	2,1		6,4	10,2	**74,2**		6,7	5
28	3	2,6		5	6,3	**56,3**		9	4
29	2,6	2,1		3,5	4,7	**39,7**	2	12,2	8
30	3,2	2,1		3,9	5,5	**44,5**		9,2	8
31	3,6	2,3		5,9	10,7	**69,7**		15,7	7
	3,07	**2,14**		**5,2**	**7,5**	**59,3**	**15**	**10,0**	**170**

Monthly mean: **59,3** Covering: **29/31**
Observations: **170** Number of observers: **12**

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Belgium
e-mail : astrosun@skynet.be

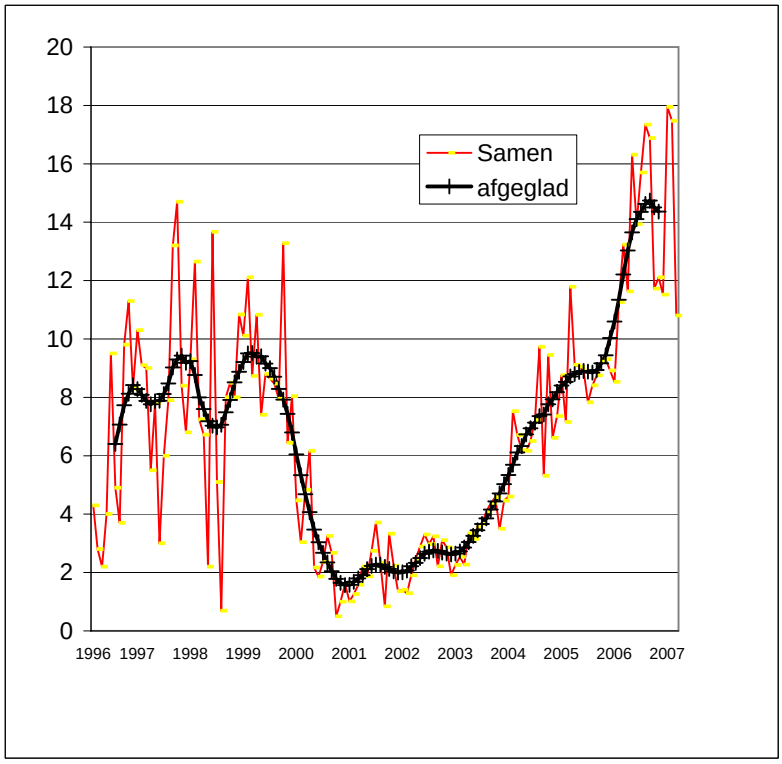
Observers:
Steen ; Dubois ; Meeus ; De Ceuninck ; Coeckelberghs ; Janssens
Hambsch ; Claes ; Gabriel ; Blondeel ; Deman ; G.Gubbels
Q : Seeing scale SIDC
W : transparency scale of Wedel , see http://members.chello.be/j.janssens/
H : number of prominence groups at the limb
e : total of individual prominences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

Belgian Solar Observers

Polar Faculae

Month: **May 2007**

Date	Dubois 125mm F20			Steen 102mm F15			Deman 150mmF15			Gabriel 250 mm F20			Carels 150mm F8			Janssen 200mmF10			T.Spaninks 127mm F15		
	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q
1	3	5	3	5	5	3,0				14	33	3				2	12	3	3	0	4
2	3	9	3	6	6	3				14	34	3							2	0	4
3				10	13	3,5	8	20	3	11	29	4	6	12	4						
4				3	7	3,5	8	24	3	15	33	4									
5										12	27	3							2	0	4
6	4	11	4	5	5	3,5	12	22	4												
7																					
8																					
9																					
10																					
11	6	18	4	6	7	3,5													4	4	4
12				5	6	3,5													6	2	4
13				4	5	4,0	9	16	3										1	1	4
14										9	29	3									
15				3	5	3,0	13	15	3	11	31	4							0	0	4
16																					
17	4	14	3	5	8	4,0															
18				2	5	4				13	28	4				8	11	4			4
19				6	6	3,5				18	35	5				2	5	3	0	0	4
20				7	6	3,0				11	32	4									
21																					
22				3	5	3,5															
23	7	8	4	5	9	4,0				11	31	4							0	0	4
24	8	7	3	9	10	4,0				7	26	4							0	0	4
25	11	8	4	9	6	4,0	17	19	5												
26																					
27																					
28				4	4	3,5															
29				5	2	3,0															
30	8	3	3	5	6	3,5				21	23	4							2	2	3
31				6	7	3,5				22	25	5									
	6,00	9,22		5,38	6,33		11,2	19,3		13,5	29,7		6,00	12,00		4,00	9,33		1,82	0,82	



Cv numbers for May 2007

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
O. Steen	39	39	37	37	37	37		0			9	6	10	8	39	7	37	57	34	8	7	7	2	1	0		0	0	7	4	1	17,4
L.Meeus	42	39	38	37	37						9		19	13	21			30	24				6	0	0				4	2	1	18,9
J. Carels	39	41	37	37	37	7		2				6	9				33	33	33	22					0		0	0	4		2	19,0
F.Dubois	45	39	37	37	37	37					9	6	22	13	24	23	34	47	23				2	1	0	0	0	0	4	4	1	18,5
J.Janssen	42																	55	32													43,0
Sj Dufoer	51	42	39										22				48	48	46			2	2	0					10			28,2

CV New (J. Janssens)

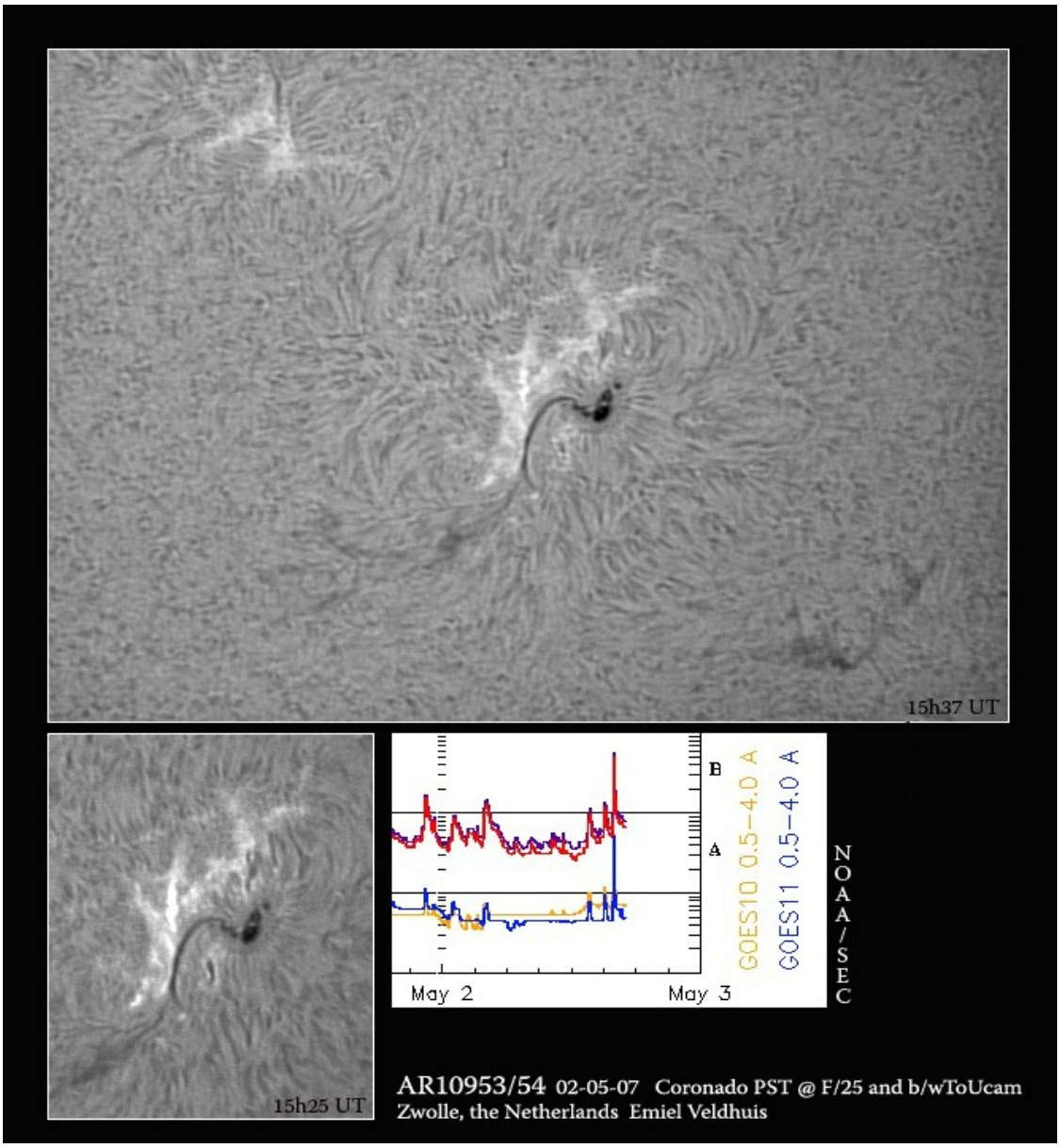
Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
O. Steen	54	54	51	51	51	51		0			15	9	16	12	55	13	52	77	47	21	12	12	3	1	0		0	0	11	5	2	25,0

CV New

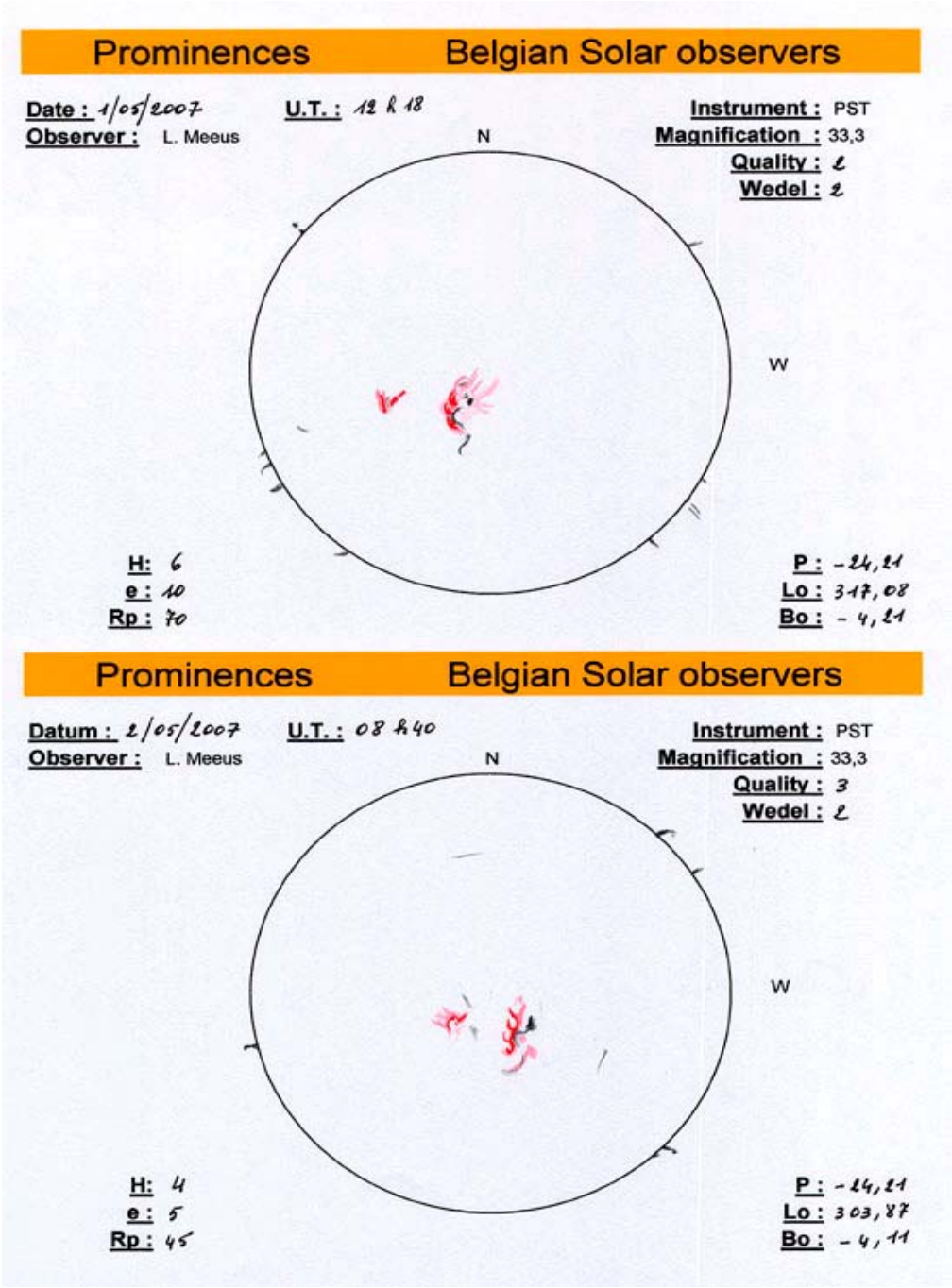
Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
O. Steen	54	54	51	51	51	51		0			15	9	16	12	55	13	52	77	47	21	12	12	3	1	0		0	0	11	5	2	25,0

Special events and observations in may 2007

1/mei/07 Naked eye spot ,(G.Deman, G.Gubbels , O.steen), Photosferic island in 953 (G.Gubbels)
2/mei/07 Naked eye spot (G.Deman, J.Carels , G.gubbels , O.Steen)
3/mei/07 Naked eye spot (G.Deman, J.Carels , G.gubbels , O.Steen)
4/mei/07 Naked eye spot (J.Carels , G.Gubbels)
17/mei/07 Naked eye spot (J.Carels , O.Steen)
18/mei/07 Naked eye spot (J.Carels , O.Steen)



N.O.A.A.	ZICHTBAAR		N.O.A.A.		MAX	MAX	classificatie							
Regio	van	tot	breedte	lengte	AREA	LENGTE	Macintosh							
10942	16-02-07	23-02-07	S11	129	0060	09	CAO	HSX	CSO	DSO	BXO	AXX		
10943	19-02-07	20-02-07	S12	156	0050	03	CAO	BXO						
10944	22-02-07	06-03-07	S06	45	0120	03	HSX	AXX						
10945	26-02-07	07-03-07	S05	3	0070	02	HSX	AXX	DAO	DRO	BXO	AXX		
10946	10-03-07	12-03-07	N10	315	0070	05	BXO	DSO	HSX					
10947	23-03-07	25-03-07	S14	158	0020	03	CSO	HSX	AXX					
10948	26-03-07	28-03-07	S02	103	0030	04	DAO	AXX						
10949	28-03-07	03-04-07	N06	332	0030	05	HAX	CSO	BXO	CSO	CRO	AXX		
10950	03-04-07	03-04-07	N08	345	0010	02	BXO							
10951	14-04-07	14-04-07	S12	137	0010	01	AXX							
10952	17-04-07	17-04-07	S08	202	0020	02	HRX							
10953	25-04-07	08-05-07	S10	308	0520	11	HSX	HKX	DKC	DKI	CKO	CAO	HKX	AXX
10954	30-04-07	03-05-07	S06	290	0040	04	CAO	BXO						
10955	09-05-07	16-05-07	S09	176	0250	10	DAO	DSO	DAO	CAO	BXO	AXX		
10956	19-05-07	24-05-07	N04	70	0280	07	DKO	DAC	DAI	DAO	B	CSO		
10957	16-05-07	19-05-07	S05	139	0030	05	BXO	CRO	BXO					
10958	29-05-07	08-06-07	S12	230	0030	05	AXX	HAX	AXX	BXO	HSX	BXO	AXX	
10959	01-06-07	08-06-07	S12	200	0030	04	BXO	CSO	BXO	AXX	BXI	BXO		
10960	01-06-07	13-06-07	S07	176	0540	16	DKI	FKC	EKC	ESI	ESC	DAO	DSO	HSX



SIDC Weekly bulletin on Solar and Geomagnetic activity WEEK 332 from 2007 May 07

SOLAR ACTIVITY

Solar activity was mostly low during the week. NOAA AR 0953 was the likely source of a B7.7 and a B6.3 flare on May 9th, the latter one being associated with a CME. At the time of both events, AR 0953 was just behind the west limb, and the soft-Xray flux recorded by the GOES spacecraft dropped significantly by the end of May 9th. A new active region, NOAA AR 0955, numbered on May 10th while it was close to the central meridian, produced several A and weak B flares from May 11th to May 13th.

GEOMAGNETIC ACTIVITY

Geomagnetic activity was mostly quiet during the week. On May 7th, unsettled to minor storm conditions were observed both with planetary estimated K indices (Kp) and local K measured at Dourbes Station. Dourbes K measurements revealed one isolated period of minor storm conditions (K=5) on May 7th from 15 to 18 UT. The origin of this activity was a fast solar wind stream originating from a coronal hole.The top solar wind speed was about 600km/s. From May 8th onwards, the geomagnetic activity ranged from quiet to very low, with isolated unsettled conditions on May 8th.

SIDC Weekly bulletin on Solar and Geomagnetic activity WEEK 333 from 2007 May 14

SOLAR ACTIVITY

Solar activity was rather higher than it has typically been of late. The week began with NOAA AR 0956 (Catania group 36), a new old-cycle region, completing its E limb transit and within a few days had increased in magnetic complexity to beta-gamma-delta level. This was accompanied by increases in the background soft X-ray and 10.7cm radio fluxes, and also in flaring - the region yielded a C1.0 flare on May 15th and a C2.5 flare on May 16th, then a B9.5 flare on May 19th. This latter event was accompanied by a Type II/2 radio burst with inferred speed of 882km/s and though no LASCO data was available at the time, H-alpha data from Kanzelhohe showed that a significant filament had vanished from the NW of the region. A faint partial halo CME spanning 116 degrees over the N pole was detected by Cactus once LASCO data was available, with median and maximum speeds of 309 and 618km/s, respectively. On May 15th a fairly compact coronal hole transitted the central meridian, though it was not entirely clear if this was a new hole, or the remnant of a recurrent one that had led to active and minor storm conditions during previous rotations.

GEOMAGNETIC ACTIVITY

Geomagnetic activity was quiet during the first half of the week, with the Kp index varying between 0 and 2 for the first four days. The fast solar wind stream from the coronal hole described about was first observed early on May 18th with a rather gradual intensification of the IMF and then a major southward excursion of Bz to almost -20nT. However, the solar wind speed at the time was quite slow (~350km/s) and the excursion fairly short-lived so only active conditions ensued. Thereafter the IMF remained mainly positive and began to weaken soon after, so although the solar wind speed remained high all week only unsettled conditions were recorded. By the end of the week the solar wind speed was still ~650km/s, but showing the first signs of decreasing.

SIDC Weekly bulletin on Solar and Geomagnetic activity WEEK 334 from 2007 May 21

FLARING ACTIVITY

First part of the week, flaring activity was little agitated. Sunspot group 36 (NOAA AR 0956) continued producing B-flares. On May 19, a filament had disappeared. This event was accompanied by type II radio outburst. On May 22 and 23, two more type II outbursts were measured, respectively at 14:36UT and 07:22UT with both an estimated speed of around 580 km/s. Both events were linked with a long duration B-flare from sunspot group 36 (NOAA AR 0956) at that moment at the west side of the solar disk. >From the second part of May 23, Flaring activity decreased dramatically with a background radiation below the A-level.

We note that the SOHO/EIT CCD bake-out is still ongoing. On the TRACE 171 mosaic, a southern coronal hole was visible at the solar disk center on May 22.

GEOMAGNETIC ACTIVITY

During the first part of May 22, a small shock was noticed in the magnetic field/density data measured by ACE and speed/temperature data measured by CELIAS. An interplanetary corona mass ejection (ICME) could be recognized. This ICME was possibly linked with the filament disappearance and type II outburst on May 19. Geomagnetic disturbances caused by this shock arrival were overruled by the arrival of the co-rotating interaction region of a recurrent coronal hole. May 24, we entered the fast wind stream itself emanating from a geoeffective oronal hole. Mainly on May 23, Earth experienced a major geomagnetic storm. On May 24, 25 and the first part of May 26, we had active conditions. The two type II outburst of May 22 and 23, were not geoeffective. The associated CME\\\'s were not clearly detected by CACTus and the source region was located at the west at the moment of the outburst.

SIDC Weekly bulletin on Solar and Geomagnetic activity WEEK 335 from 2007 May 28

FLARING ACTIVITY

Solar activity was dominated by an outburst of solar flares of C and M-class levels. This activity started on May 30th with a C2.2 flare, originating from a region still behind the east solar limb. It was probably partially occulted at that time. This region, numbered by NOAA as AR0960, produced from June 1st to June 3rd 8 M-class flares, the most energetic one beeing a M7 flare, peaking at 02:12 UT on June 3rd. This active region had on June 3rd a beta-gamma-delta magnetic configuration suggesting a strong potential for new M flares and possibly major flares activity.

GEOMAGNETIC ACTIVITY

Geomagnetic activity was very low during the whole week. A recurrent coronal hole was expected to produce unsettled conditions on June 2nd and 3rd, but only an isolated period of unsettled conditions (Kp=4) was observed on June 3rd, between 18:00 and 22:00 UT.

SIDC Weekly bulletin on Solar and Geomagnetic activity WEEK 336 from 2007 Jun 04

SOLAR ACTIVITY

Like previous week, solar activity was dominated by NOAA active region 0960. The associated Catania sunspot group number was 43. The flares were less intensive and less frequent. An M8.9 flare occurred on Jun 04 and an M1.0 flare was fired off on Jun 09. From Jun 06, the active region was on its detour to a less mixed magnetic configuration. The 12 C-flares spread over this week originated from this group or from the vicinity of it. The sunspot group did not have further consequences for space weather. A faint coronal hole was seen in EIT195 passing the central meridian on Jun 06.

GEOMAGNETIC ACTIVITY

The beginning of the week, we were in the aftermath of a moderate coronal wind emanating from a recurrent coronal hole which was responsible for unsettled conditions and one active period between Jun 02 and 05. The co-rotating interaction region had already arrived on May 31. This period was followed by quiet conditions. On Jun 08, the coronal hole mentioned above introduced unsettled conditions lasting until Jun 10. The geo-effect of this hole was minor.