

Newsletter Belgian Solar Observers

Results and news for solar observers

Volume 13

Number 149

July 2008

Franky Dubois Poelkapellestraat 39 langemark 8920

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Content Newsletter

Graphics and relative number for this month

Daily Wolfnumbers by the members

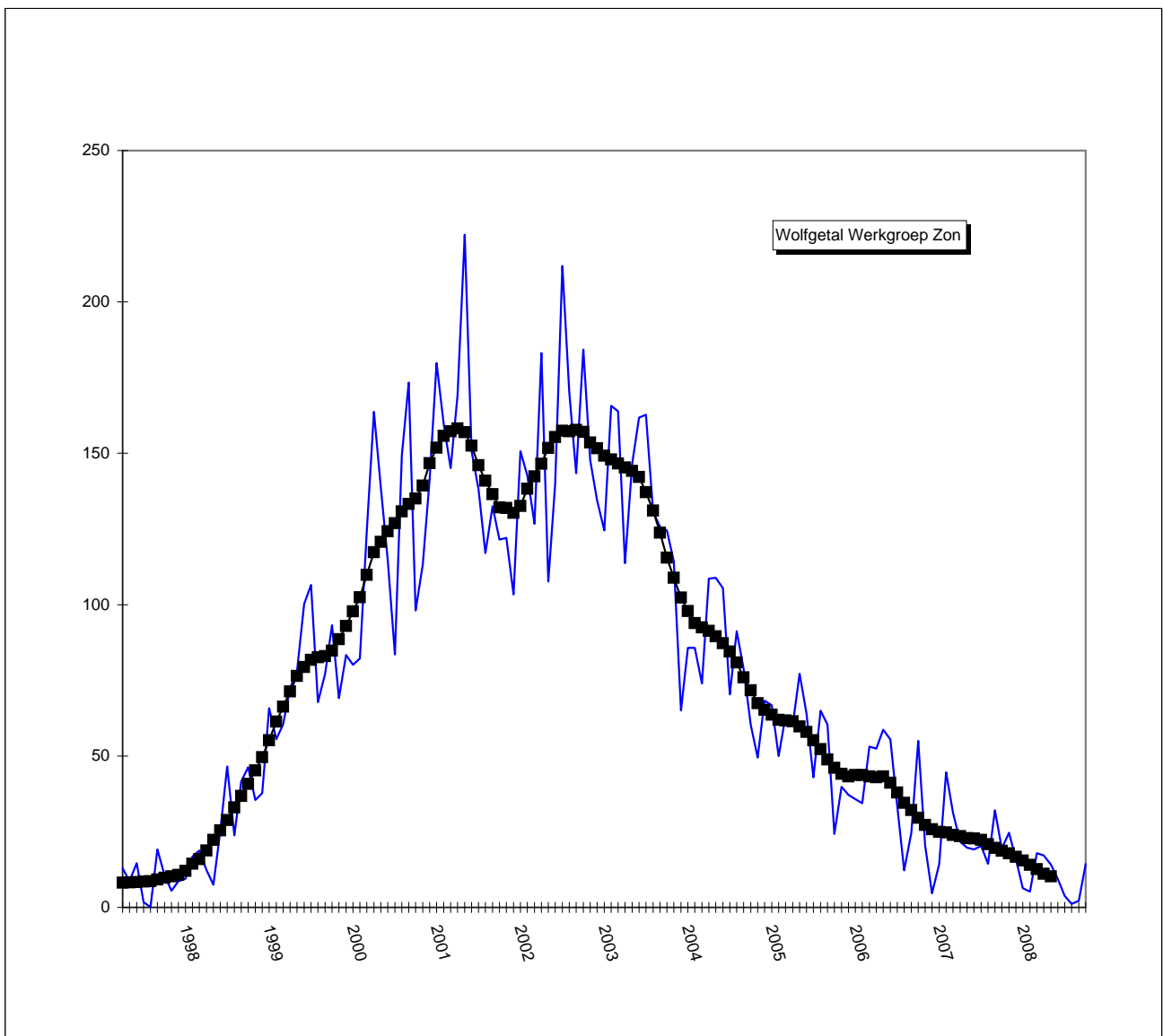
Monthly sunspot report

Polar faculae and CV numbers

Prominence numbers by the members

Monthly prominence report

Photo album and drawings



Mean of June observations

Groups :	N	0,00	Wolfnumb N	0	Beck :	1
	S	0,06	S	0,7	CV	0,2
	N+S	0,06	N+S	0,7		
498 observations	31 observers					

Sunspotnumbers VVS Belgium

Month: 'july 2008

Day	GROUPS			WOLFNUMBER			RE'	CV	OBS
	N	S	N+S	N	S	N+S			
1	0	0	0	0	0	0	0	0	17
2	0	0	0	0	0	0	0	0	16
3	0	0	0	0	0	0	0	0	6
4	0	0	0	0	0	0	0	0	17
5	0	0	0	0	0	0	0	0	16
6	0	0	0	0	0	0	0	0	16
7	0	0	0	0	0	0	0	0	11
8	0	0	0	0	0	0	0	0	13
9	0	0	0	0	0	0	0	0	4
10	0	0	0	0	0	0	0	0	6
11	0	0	0	0	0	0	0	0	18
12	0	0	0	0	0	0	0	0	20
13	0	0	0	0	0	0	0	0	24
14	0	0	0	0	0	0	0	0	22
15	0	0	0	0	0	0	0	0	9
16	0	0	0	0	0	0	0	0	16
17	0	0	0	0	0	0	0	0	7
18	0	1	1	0	10,7	10,7	12	2	6
19	0	1	1	0	11,6	11,6	19	5	18
20	0	0	0	0	0	0	0	0	22
21	0	0	0	0	0	0	0	0	13
22	0	0	0	0	0	0	0	0	20
23	0	0	0	0	0	0	0	0	16
24	0	0	0	0	0	0	0	0	25
25	0	0	0	0	0	0	0	0	22
26	0	0	0	0	0	0	0	0	18
27	0	0	0	0	0	0	0	0	23
28	0	0	0	0	0	0	0	0	19
29	0	0	0	0	0	0	0	0	20
30	0	0	0	0	0	0	0	0	21
31	0	0	0	0	0	0	0	0	17
	0,00	0,06	0,06	0,0	0,7	0,7	1,0	0,2	498

Monthly mean: **0,7** Covering: **31/31** Spotless days: **29**
 Observations: **498** Number of observers: **31**

V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS

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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 ; Dekelver

Prominence number Rp

Belgian solar observers

Month: July 2008

Day	Q	Wedel		H	e	Rp	el. Obs	Stdev	OBS
1	3,7	1,5		3,3	5,5	38,5		5,2	6
2	3,4	2,3		3,8	5,4	43,4		9,6	5
3	3,3	2		3,5	4,5	39,5		9,2	2
4	3,8	1,7		3	3,3	33,3		7	6
5	2,8	2		1,8	2,2	20,2	1	8,6	7
6	3,8	2,1		3,7	4,3	41,3	2	5,5	8
7	3	1		2,5	3	28		7,1	2
8	2,8	1		2,4	4,4	28,4	2	5,9	7
9	3	1		4	6	46			1
10	3,3	2,3		2,5	3,5	28,5			2
11	2,7	2,2		3,7	4,5	41,5		11,9	6
12	3,3	1,7		3,3	4,1	37,1		5,9	7
13	3,4	2		2,9	4,5	33,5		9,6	11
14	3,4	1,6		3,9	4	43	3	13,3	10
15	3,8	2		5,5	7	62	1	7,1	3
16	3	2,3		3,4	6,4	40,4	1	18	6
17	3,3	2,5		2,5	3	28			2
18	4	2		4	6	46			1
19	3	2,4		3,5	5,8	40,8		10,4	8
20	3	1,9		3,1	4,3	35,3	1	10,8	9
21	3,1	1,9		4	6,8	46,8		11,1	4
22	2,9	2,4		4,4	9,1	53,1	1	10,4	9
23	3	2,1		4,8	6,2	54,2	1	9,4	6
24	2,7	2,3		2,8	3,4	31,4	2	9,5	10
25	3,1	2,1		3,5	5,1	40,1		5,9	8
26	3,6	2,3		2,6	3,1	29,1		9,5	7
27	3,8	1,9		3,3	8,1	41,1		10,9	8
28	3	2		2,5	3	28	2	6,4	6
29	3,3	1,8		3,2	4,4	36,4	3	14,9	8
30	3,5	1,7		2,7	3,7	30,7	2	6,4	5
31	3,9	1,8		4,6	6,6	52,6	1	5	6
	3,28	1,93		3,4	4,9	38,7	23	9,1	186

Monthly mean: **38,7** Covering: **31/31**
 Observations: **186** Number of observers: **13**

V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS

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Observers:

Steen ; Dubois ; Meeus ; De Ceuninck ; Coeckelberghs ; Janssens
 Hamsch ; 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 : $H \cdot 10^e$

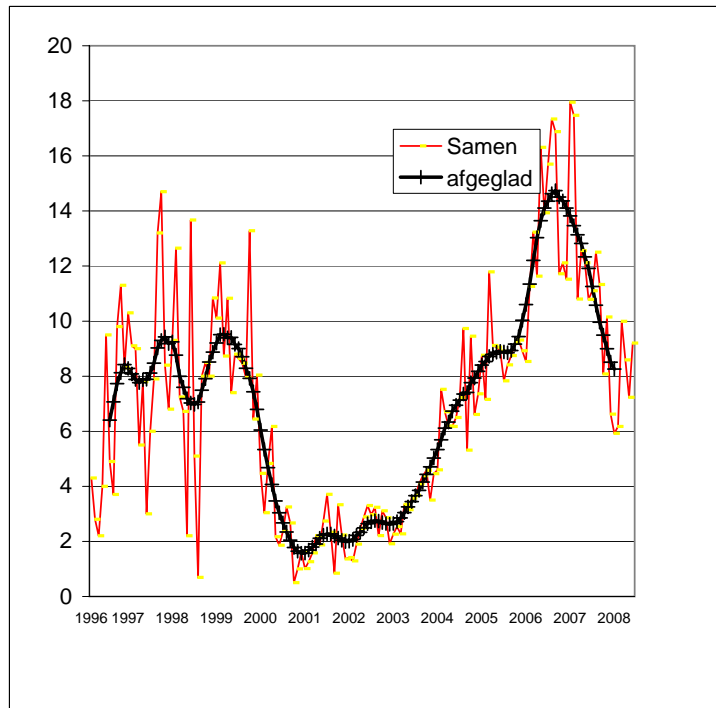
More info at : <http://members.chello.be/j.janssens/>

Belgian Solar Observers

Polar Faculae

Month: July 2008

Date	Dubois			Steen			Deman			Gabriel			Carels			Janssen			T.Spaninks			G.Gubbels				
	125mm F20			102mm F15			150mmF15			250 mm F20			150mm F8			200mmF10			127mm F15							
	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South
1				6	5	3,5				20	9	4							0	0	4	5	3	3,5		
2				6	3	3,5	26	11	3	18	7	4							0	0	4	5	4	3,5		
3				5	4	3,5				22	10	3														
4				7	5	3,5	24	9	4	25	9	4							1	0	4					
5																1	2	4,0	1	1	4	7	3	3		
6				5	3	3,5	29	12	4	22	7	4				4	5	4,0				6	5	3		
7				2	3	3,0				23	5	3														
8	8	4	3	5	3	3,0				19	8	3	6	4	4				1	2	4	7	2	3,5		
9										20	6	3														
10																										
11				7	4	3,5													1	0	4					
12	7	3	3	6	6	3,5																7	2	3,5		
13	8	2	4	10	5	3,5	17	9	4	19	5	4				3	1	3,0	0	0	4	8	1	4		
14	7	2	4	8	8	3,5	14	7	4	22	6	4				5	1	3,0	0	0	4	6	3	4,5		
15				4	2	3,5				24	5	4											4	2	3,5	
16										22	6	4														
17																										
18																										
19	14	4	4	6	4	3,5													2	0	4	0	3	3,5		
20	6	5	3	6	3	3,5				24	7	3				4	0	3,0	0	0	4	3	5	3,5		
21	10	3	3	6	2	3,5	18	4	3	29	8	3														
22	13	4	4	4	3	3,5													4	1	4	6	4	3,5		
23				4	4	3,5																	5	2	3	
24	9	8	3	5	6	3,5				19	6	4							2	1	4	5	3	2,5		
25				5	5	3,5				20	5	3							0	2	4	3	2	4,5		
26				5	3	3,5													0	0	5	5	1	3,5		
27				5	3	4	20	8	5	28	8	5				0	2	3,5	1	0	4	5	3	3		
28				7	6	4				24	6	4											8	4	3	
29										22	6	4							0	0	4	10	3	4,5		
30				6	4	3,5	19	7	5	18	5	4							1	0	4	8	2	3		
31				10	6	3,5				27	7	5							3,0	0,0	4	6,0	4,0	3,0		
	9,11	3,89		5,83	4,17		20,9	8,4		22,2	6,7		6,00	4,00		2,83	1,83		1,05	0,47		5,59	2,77			



Different Relative Sunspotnumbers

Month : July 2008

CV										Pettisindex SN				Intersol IS			Becknumber																	
Date	F.Dubois	O.Steen	L.Meeus	J.Carels	J.Janssens	G.Gubbels	H.De Backer	S.Durfoer	Mean	G.Gubbels	F.Dubois	O.Steen	J.Carels	F.Dubois	J.Carels	G.Gubbels	F.Dubois	O.Steen	L.Meeus	P.J. Dekelver	J.Carels	G.Gubbels	S.Durfoer	D.Van Hessche	A.T.Son	J.Bourgeois	H.Coeckelberghs	De Backer	Pbl Obs Mira	J.Claes	Mean	Date		
1	0	0	0	0	0	0	0	0	0,0	0	0	0		0	0	0																0	1	
2	0	0	0	0	0	0	0	0	0,0	0	0	0		0	0	0									0	0	0	0	0	0	0	0	2	
3	0	0	0	0	0	0	0	0	0,0	0	0	0		0	0	0											0	0	0	0	0	0	0	3
4	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	4
5	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	5
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	6
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	7
8	0	0	0	0	0	0	0	0	0,0	0	0	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	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		0	0	0											0	0	0	0	0	0	0	10
11	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
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	12
13	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
14	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	14
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	15
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	16
17	0	0	0	0	0	0	0	0	0,0	0	0	0		0	0	0											0	0	0	0	0	0	0	17
18	0	5	0	0	0	2	0	0	2,3	0	0	0		0	0	0											8	8	8	8	12	18		
19	1	2	5	5	2	12	1	0	4,0	6	2	3	11	3	3	7	8	12	24	8	24	4				37	32	4	4	17	19			
20	0	0	1	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	4	0	0	0	0				0	0	0	0	0	0	0	20	
21	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	0	21
22	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	0	22
23	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	0	23
24	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	0	0	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	0	0	0	0	0	0	0	25
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	0	0	26
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	0	0	0	27
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	0	0	0	0	0	28
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	0	0	0	0	0	29
30	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	0	0	30
31	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	0	31
##	0,0	0,1	0,6	0,2	0,0	0,1	0,5	0,1	0,2	0,3	0,1	0,1	0,4	0,1	0,1	0,3	0,33	0	3	0,0	0	1	0	0	0	0	3	1	0,0	0,6	0,9			

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 394 from 2008 Jul 14

SOLAR ACTIVITY

Solar activity was very low during the whole week with no flaring activity at all. The 10.7cm flux, uncorrected for the Sun-Earth distance variation, was constant at 65 SFU during this period. A small sunspot group (Catania 83, NOAA 11000) emerged on July 18, developed a beta configuration on July 20, and decayed again afterwards.

GEOMAGNETIC ACTIVITY

Following a high wind speed stream from a coronal hole last week, we had a monotonically decaying wind speed from above 600 km/s in the beginning of the week down to 300 km/s at the end of the week. NOAA's estimated Kp index was at most Kp=3 in the beginning of the week, and at most Kp=2 towards the end of the week.



SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 395 from 2008 Jul 21

SOLAR ACTIVITY

No solar activity was noticed this week: X-ray flux stayed below the measurement level of the satellite GOES10, the estimated international sunspot number was zero for 7 days on a row. An equatorial coronal hole was seen in EIT195.

GEOMAGNETIC ACTIVITY

From Jul 22 until Jul 24, the global magnetic field of earth was disturbed slightly: three active periods were measured. The strength of the magnetic field carried by the solar wind associated with the coronal hole mentioned in the previous section, rose to 10 nT giving a low upper bound to the north-south component. The other days, unsettled to quiet conditions were measured.



SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 396 from 2008 Jul 28

SOLAR ACTIVITY

Quiet conditions prevailed during the week, with no activity reported. Radio and Xray solar flux remained at lowest levels.

GEOMAGNETIC ACTIVITY

Geomagnetic activity was very quiet during the whole week.

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 397 from 2008 Aug 04

SOLAR ACTIVITY

The solar activity was very low during the full week.

GEOMAGNETIC ACTIVITY

Geomagnetic activity was quiet during most of the week. On August 9-10 the arrival of the fast solar wind from a coronal hole caused an increase in geomagnetic activity, reaching minor storm levels.

