

Newsletter Belgian Solar Observers

Results and news for solar observers

Volume 13

Number 151

September 2008

Franky Dubois Poelkapellestraat 39 langemark 8920

Web site: <http://www.bso.vvs.be> e-mail astrosun@skynet.be

Content Newsletter

Graphics and relative number for this month

Daily Wolfnumbers by the members

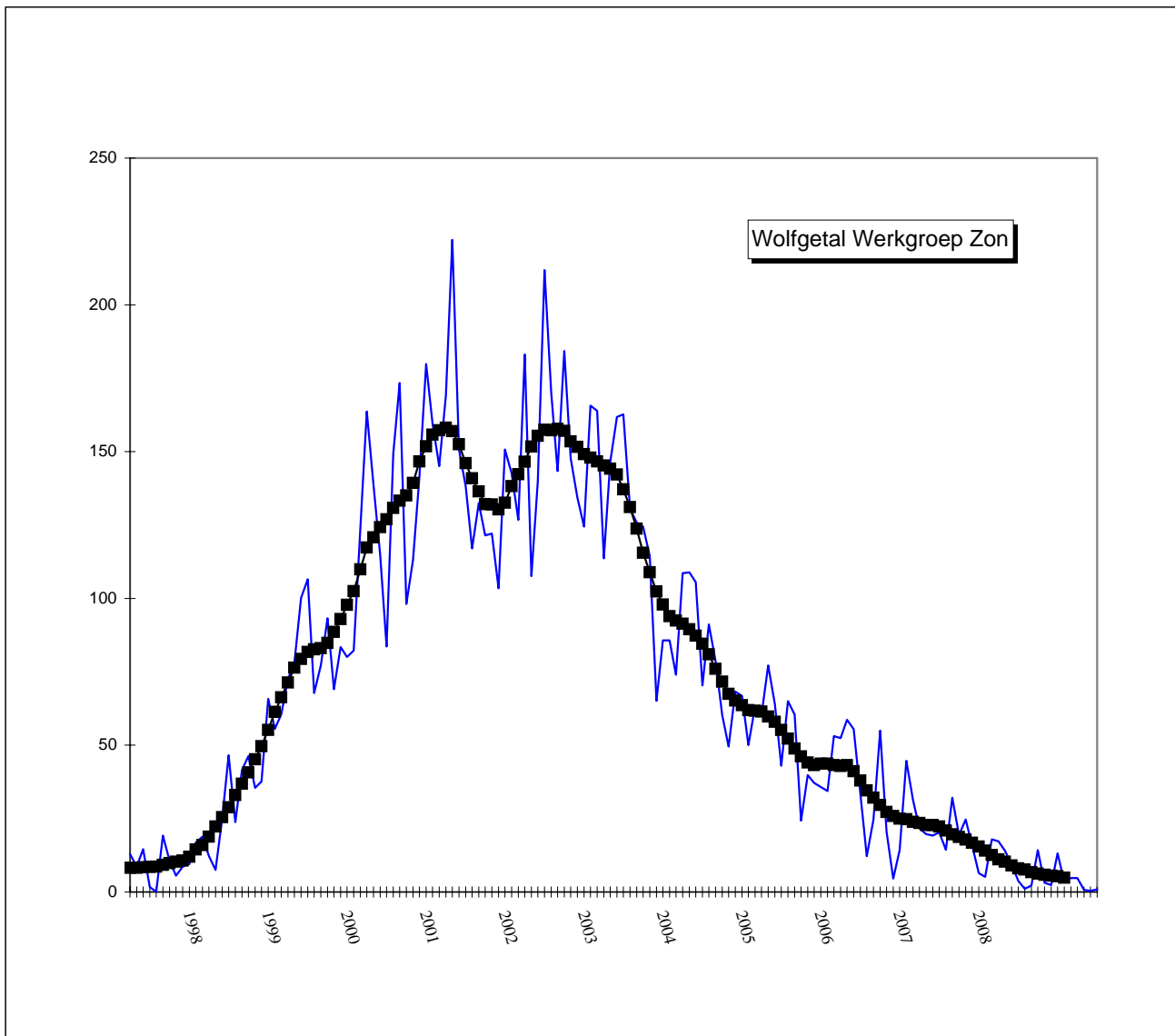
Monthly sunspot report

Polar faculae and CV numbers

Prominence numbers by the members

Monthly prominence report

Photo album and drawings



Mean of September observations

Groups :	N	0,10	Wolfnumb	N	0,9	Beck :	1,6
	S	0,00		S	0	CV	0,3
	N+S	0,10		N+S	0,9		
462 observations	27 observers						

Wolfnumbers Belgian Solar Observers

Month: **September 2008**

Dag	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 Gabriel			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		0	0	0								0	0	0	0	0	0	1	1	11	0	0	0							0	0	0	1		
2		0	0	0								0	0	0	0	0	0	1	2	12	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	3		
4		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	5		
6		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	7		
8		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	9		
10		0	0	0								0	0	0	0	0	0	0	0	0	0	0	0							0	0	0	10		
11		7	1	2	12							1	2	12	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	12		
13		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	1	1	11	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	15		
16		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	17		
18		0	0	0								0	0	0	0	0	0	0	0	0	0	0	0							0	0	0	18		
19		0	0	0								0	0	0	0	0	0	0	0	0	0	0	0							0	0	0	19		
20		0										0	0	0	0	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	21		
22		8	1	4	14							1	5	15	1	4	14				1	4	14	1	4	14				0	0	0	22		
23		9										1	2	12																0	0	0	23		
24		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	25		
26		0	0	0								1	2	12	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	0	0	0	0	0	0	0	0							0	0	0	28		
29		8	0	0								1	1	11	1	1	11	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	30		
31												1																						31	
#	1,1	1,2			0,0			####			2,1			0,9			1,8			0,6			1,0			1,5			0,7			1,8			

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

Dag	SIDC	R. Dezeure			J. Bourgeois			KSB			Carels			G.Gubbels			J. Claes			E. De Ceuninck			S. Kleber			B. Tailieu			S. Dufour			F. van Loo			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				
1		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	1			
2		0						0	0	0																							2		
3		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									4			
5		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									6			
7		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									8			
9		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									10			
11		7	0	0								0	0	0	1	2	12	1	1	11	0	0	0									11			
12		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									13			
14		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									15			
16		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									17			
18		0	0	0								0	0	0	0	0	0	0	0	0	0	0	0									18			
19		0	0	0								0	0	0	0	0	0	0	0	0	0	0	0									19			
20		0	0	0								0	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									21			
22		8	1	4	14							1	4	14										1	6	16						22			
23		9										1	5	15																		23			
24		0										0	0	0																		24			
25		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									26			
27		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									28			
29		8	0	0								0	0	0	1	3	13	0	0	0	1	1	11	0	0	0	1	1	11	0	0	0	29		
30		0										0	0	0																		30			
31												1																					31		
#	1,1	0,6			1,7			0,6			1,1			1,4			0,0			1,6			0,0			1,4			0,0			####			

Dag	SIDC	K.Dewaele			Verboven			J.Bavais			R. Gadyne			F.Feys			D.V.Hessche			A. De Kerchove			L.Gysel			P.J. Dekelver			Dag
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Sunspotnumbers VVS Belgium

Month: **September 2008**

Day	GROUPS			WOLFNUMBER			RE'	CV	OBS
	N	S	N+S	N	S	N+S			
1	0	0	0	0	0	0	0	0	18
2	0	0	0	0	0	0	0	0	9
3	0	0	0	0	0	0	0	0	13
4	0	0	0	0	0	0	0	0	12
5	0	0	0	0	0	0	0	0	6
6	0	0	0	0	0	0	0	0	15
7	0	0	0	0	0	0	0	0	11
8	0	0	0	0	0	0	0	0	20
9	0	0	0	0	0	0	0	0	18
10	0	0	0	0	0	0	0	0	19
11	1	0	1	3,7	0	3,7	3	1	19
12	0	0	0	0	0	0	0	0	14
13	0	0	0	0	0	0	0	0	10
14	0	0	0	0	0	0	0	0	24
15	0	0	0	0	0	0	0	0	17
16	0	0	0	0	0	0	0	0	15
17	0	0	0	0	0	0	0	0	15
18	0	0	0	0	0	0	0	0	21
19	0	0	0	0	0	0	0	0	20
20	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	19
22	1	0	1	13,6	0	13,6	30	5	16
23	1	0	1	10,5	0	10,5	14	2	4
24	0	0	0	0	0	0	0	0	11
25	0	0	0	0	0	0	0	0	17
26	0	0	0	0	0	0	0	0	20
27	0	0	0	0	0	0	0	0	20
28	0	0	0	0	0	0	0	0	20
29	0	0	0	0	0	0	0	0	17
30	0	0	0	0	0	0	0	0	2
	0,10	0,00	0,10	0,9	0,0	0,9	1,6	0,3	462

Monthly mean: **0,9** Covering: **30/30** Spotless days: **27**
 Observations: **462** Number of observers: **27**

V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS

Poekapellestraat 39
 B8920 Langemark
 Belgium
 e-mail : astrosun@skynet.be

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 ; Feys
 S.Dufoer ; G.Gubbels ; jeugdwerking Astrolab ; J Bavais ; A. De Kerchove

Prominence number Rp

Belgian solar observers

Month: **September 2008**

Day	Q	Wedel		H	e	Rp	el. Obs	Stdev	OBS
1	3,3	2		3,9	7,5	46,5		10,5	8
2	3,5	1		4,5	7,5	52,5		0,7	2
3	3,5	1,8		3	6	36	1	10,5	7
4	2,9	2		3,8	5,8	43,8	2	11,3	8
5	4	2		4	6	46		0	2
6	3,3	1,5		5	7,8	57,8	2	9,4	6
7	3,1	1,9		4	6,3	46,3		9,4	4
8	3,5	2		4,2	6	48	2	12,9	7
9	2,8	1,9		3	3,7	33,7	2	9,8	9
10	3,5	1,9		2,7	5,2	32,2	1	10,3	7
11	3	1,9		2,8	4,2	32,2	2	9,2	8
12	2,8	1,9		3,8	4,2	42,2	1	9,9	6
13	3	2,8		1,5	2	17	1	7,1	3
14	3,2	1,7		6,1	8,9	69,9	3	11,3	10
15	3	2,1		4	5	45	2	14	6
16	2,8	1,8		4,5	5,5	50,5	2	7,8	4
17	3,3	2,8		4	5,5	45,5	1	0,7	3
18	2,9	1,9		3,3	4,9	37,9		10,3	8
19	2,9	2,6		3	4,4	34,4	1	9,7	8
20	3,3	2,4		3,2	4,7	36,7	3	12	9
21	2,8	2		4,3	7,8	50,8	3	6	7
22	3,4	1,9		3,7	3,8	40,8		8,8	6
23	3	3		4	7	47			1
24	3	2,3		2,5	4	29	1	8,5	3
25	3,5	2		3,9	7,1	46,1		5,8	8
26	2,9	2		6	9,2	69,2	2	8,4	8
27	3,7	2		5,1	8,4	59,4	2	13,1	9
28	3,3	1,8		4,3	7	50	2	6,1	8
29	3	1,8		4,8	12,3	60,3	1	2,4	5
30	3,5	1		4	23	63			1
	3,19	1,99		3,9	6,7	45,7	37	8,4	181

Monthly mean: **45,7** Covering: **30/30**
 Observations: **181** Number of observers: **11**

V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS

Poekapellestraat 39
 B8920 Langemark
 Belgium
 e-mail : astrosun@skynet.be

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 : $H \cdot 10 + e$

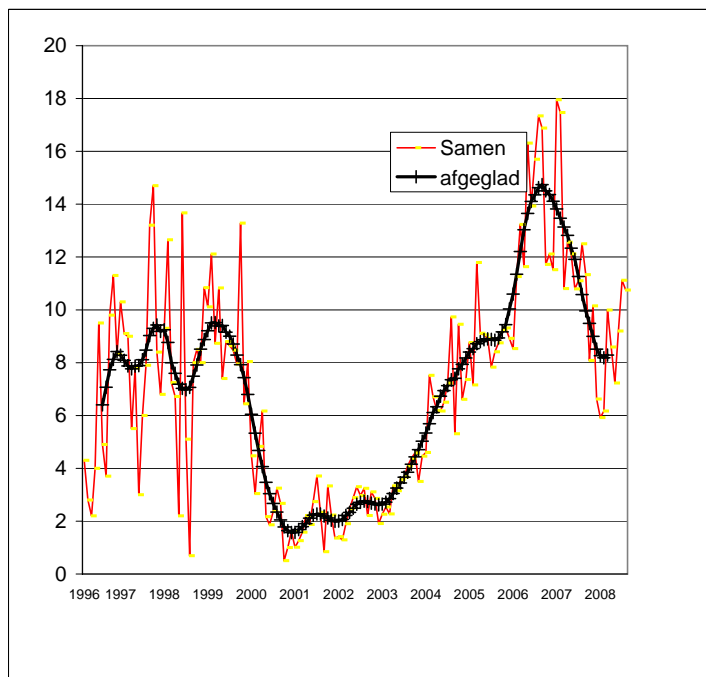
More info at : <http://members.chello.be/j.janssens/>

Belgian Solar Observers

Polar Faculae

Month: September 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	Q		
1				6	4	3,5														1	1	4	9	1	4				
2																													
3				6	4	3,5														0	0	3	15	5	3,5				
4																				0	0	4							
5																													
6				8	4	3,5																							
7																													
8				5	3	3,5				18	7	4																	
9				7	5	3,5	21	4	3	19	6	3																	
10										21	13	4																	
11				10	4	3,5				24	9	3																	
12				7	4	3,5																							
13				4	0	3,0							6	4	5														
14				9	4	3,5	26	5	3	20	7	3																	
15				7	2	3,5	20	3	3	23	7	3																	
16				5	3	3,0	24	2	4	19	6	3																	
17				3	2	3,5																							
18				4	3	3,5				22	8	3																	
19				5	3	3,0				22	9	3																	
20				12	5	3,5	17	4	3	19	10	4																	
21				5	2	3,5				21	10	3																	
22				7	4	3,5	19	5	3	19	9	4																	
23																													
24				4	2	3,0																							
25				8	2	3,5				19	11	4																	
26				6	2	3,0				18	10	3																	
27	9	3	4	7	4	3	22	6	5	18	13	3																	
28	15	4	4	6	2	3	17	4	4	25	10	5	5	2	4	13	3	4,0	0	0	4	9	5	4					
29	6	2	4	5	3	3,0				17	12	3																	
30																													
31																													
	10,00	3,00		6,35	3,09		20,8	4,1		20,2	9,2		4,00	2,75		7,67	2,00		0,92	0,23		10,57	4,29						



Different Relative Sunspotnumbers

Month : September 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	F.Feys	Mean	Date																		
1	0	0	0	0		0		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	2																
3	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	4																	
5	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	6																
7	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	0	8																	
9	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	10																
11	0	1	1	2		1	0	0	0,7		1	0	2	2			0	3	1																11																
12	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	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	0	0	0	0	14																
15	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	16															
17	0	0		0		0	0		0,0		0	0	0	0			0	0	0						0									0	0	17															
18	0	0	0	0		0	0	0	0,0		0	0	0	0			0	0	0						0	0							0	0	0	18															
19	0	0	0	0		0	0	0	0,0		0	0	0	0			0	0	0														0	0	0	19															
20	0	0		0	0	0	5	0	0,7		0	0	0	0			0	0	0				0	0	0	0	0	0	32				3	20																	
21	0	0	0	0		0		0	0,0		0	0	0	0			0	0	0						0	0	0	0						0	0	21															
22	5	6	5	6			0		4,4		13	14	14			5	6								16	14							26	22																	
23		2					0		1,0			2														15		0						8	23																
24	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	25																
26	0	1	0	0		0	0		0,2		0	0	2	0			0	0	0						0	0	0	0						1	26																
27	0	0		0	0	0	1	0	0,1		0	0	0	0			0	0	0				0			0	4							0	27																
28	0	0	0	0		0			0,0		0	0	0	0			0	0	0						0	0					0			0	28																
29	1	1	0	0		2		0	0,7		3	1	1	0			1	0	4														0	3	29																
30		0							0,0				0																						0	30															
##	0,2	0,4	0,3	0,3	0,0	0,2	0,4	0,0	0,3		0,2	0,5	0,7	0,6			0,2	0,4	0,3																1,29	2,3	1,9	2,0	1,9	0,9	0	0	1	2	0,0	2,1	####	0,0			1,4

N.O.A.A.	ZICHTBAAR		N.O.A.A.		MAX	MAX	classificatie		
Regio	van	tot	breedte	lengte	AREA	LENGTE			Macintosh
10999	16-06-08	22-06-08	S02	206	0020	01	AXX	HSX	
11000	18-07-08	20-07-08	S12	179	0020	02	HRX	BXO	AXX
11001	11-09-08	11-09-08	N06	179	0020	03	BXO		
11002	22-09-08	23-09-08	N26	76	0030	04	DSO	CRO	
11003	04-10-08	04-10-08	S23	222	0010	01	AXX		
11004	10-10-08	10-10-08	S08	188	0010	01	AXX		

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 403 from 2008 Sep 15

SOLAR ACTIVITY

Very quiet conditions prevailed during the week concerning the solar activity.

GEOMAGNETIC ACTIVITY

Geomagnetic activity was relatively quiet during the week. Between Sept. 15 and 18, isolated periods of unsettled conditions were observed at planetary levels ($K_p=4$) and at local levels (Dourbes, $K=4$) due the influence of a coronal hole. The rest of the week was very low in terms of geomagnetic activity.

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 404 from 2008 Sep 22

SOLAR ACTIVITY

No flaring activity was measured by GOES although the estimated international sunspot index was not zero for the first two days of the week. The sunspot was situated at a high latitude and belongs to the new solar cycle. No coronal hole was visible in EIT195 at geoeffective position.

GEOMAGNETIC ACTIVITY

No geomagnetic disturbances were measured. The highest value of the estimated planetary K index was 3.

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 405 from 2008 Sep 29

SOLAR ACTIVITY

No flaring activity was measured by GOES, the ISN was 0 during the full week.

GEOMAGNETIC ACTIVITY

On October 4, the estimated planetary K index reached 5, during one 3-hour period.

SIDC Weekly bulletin on Solar and Geomagnetic activity
WEEK 406 from 2008 Oct 06

SOLAR ACTIVITY

No flaring activity was measured by GOES. A new cycle sunspot appeared on October 11, it became NOAA AR 1005. At present it counts with 6 sunspots and beta magnetic configuration.

GEOMAGNETIC ACTIVITY

Geomagnetic activity was quiet until October 11, when the arrival of a fast solar wind stream from a coronal hole produced a geomagnetic storm. K_p reached 7 and Dourbes K-index peaked at 5. On Sunday 12 the geomagnetic conditions were mostly unsettled.
