

# Newsletter Belgian Solar Observers

Results and news from solar observers

Volume 18

Number 213

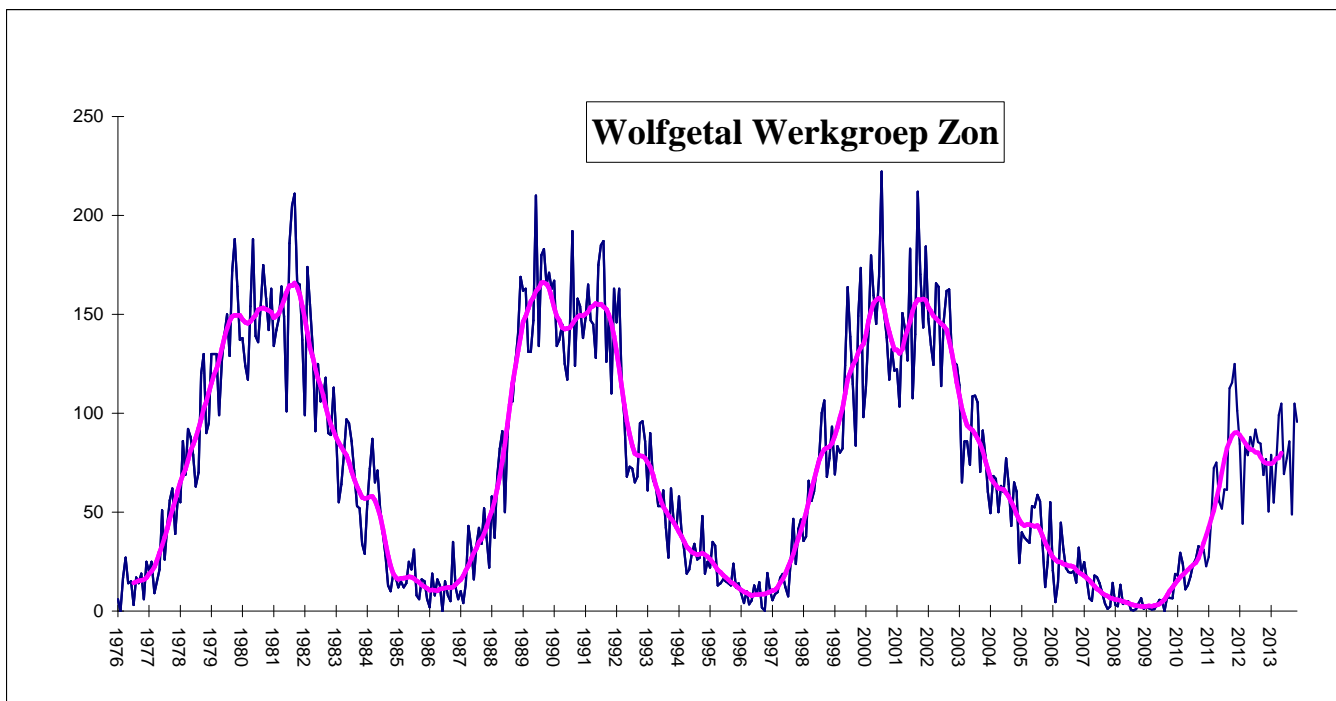
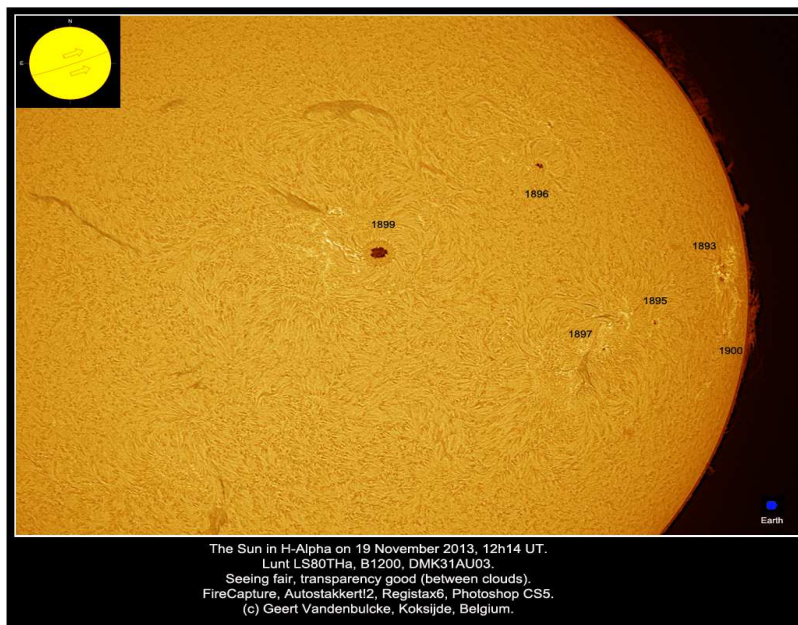
November 2013

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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 , Photo album and drawings



### Mean of November observations

Groups :	N	1,83	Wolfnumb N	23	Beck :	883
	S	4,75	S	72,6	CV	94,6
	N+S	6,58	N+S	95,6	SN	99,1
190 observations	22 observers				IS	35,3



# Sunspotnumbers VVS Belgium

Month: **November 2013**

Day	GROUPS			WOLFNUMBER			RE'	CV	SN	IS	OBS
	N	S	N+S	N	S	N+S					
1	1	5	6	10,6	70,4	<b>81,0</b>	839	88	74		4
2	1	5	6	9,9	83,9	<b>93,8</b>	633	73,7	92,0	29	4
3	1	6	7	18,1	84,5	<b>102,6</b>	744	127,8	119	42	13
4	1	6	7	25,3	97,2	<b>122,5</b>	1648	132,0	145	75	6
5											
6											
7											
8	1	6	7	19,7	100,5	<b>120,1</b>	1392	91,8	109	39	7
9	1	4	5	11,4	83,1	<b>94,5</b>	1319	80,3	115,5	52	16
10	2	5	7	19,9	77,1	<b>97</b>	993	98	112,8	39	19
11	1	5	6	11,9	85	<b>97</b>	1309	114,6	116	40	15
12	2	6	8	28,0	93,0	<b>121,0</b>					1
13	2	6	8	23	117	<b>139,9</b>	1503	156,3	184,5	51,0	14
14											
15	3	6	9	44	112,7	<b>156,8</b>	1989	146,7	153	74	9
16	3	5	8	47	123,8	<b>170,7</b>	2259	139,0	167		3
17											
18	3	7	10	35,0	95,0	<b>130,0</b>	1048	155	120	34	4
19	3	6	9	35	77,2	<b>112,4</b>	844	136,8	106,7	41	7
20	3	4	7	32,3	43,2	<b>75,6</b>	428	114,3	65	19	9
21	2	3	5	33,7	36,0	<b>69,7</b>	565	75	86	27	3
22	2	3	5	23,0	27,5	<b>50,5</b>	269	70,0			2
23	3	4	7	30,1	29,0	<b>59,2</b>	479	66,0	43	13,5	6
24	4	3	7	45,7	26,3	<b>72,0</b>	281	70,8	50	21,0	12
25	2	2	4	19,5	22,8	<b>42,2</b>	167	18,7	28	8,0	9
26	1	2	3	10,0	24,4	<b>34,3</b>	239	14,0	23	12	6
27	1	5	6	5,1	73,7	<b>79</b>	428	56	80	32,0	8
28											
29	0	5	5	0	73,0	<b>73,0</b>	446	68	91	26,0	1
30	1	5	6	14,1	85,9	<b>100,0</b>	486	83,8	100,5	32,0	12
	<b>1,83</b>	<b>4,75</b>	<b>6,58</b>	<b>23,0</b>	<b>72,6</b>	<b>95,6</b>	<b>882,9</b>	<b>94,6</b>	<b>99,1</b>	<b>35,3</b>	<b>190</b>

Monthly mean: **95,6**    Covering: **24/30**    Spotless days: **0**  
 Observations: **190**    Number of observers: **22**

**V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS**

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**Observers:**

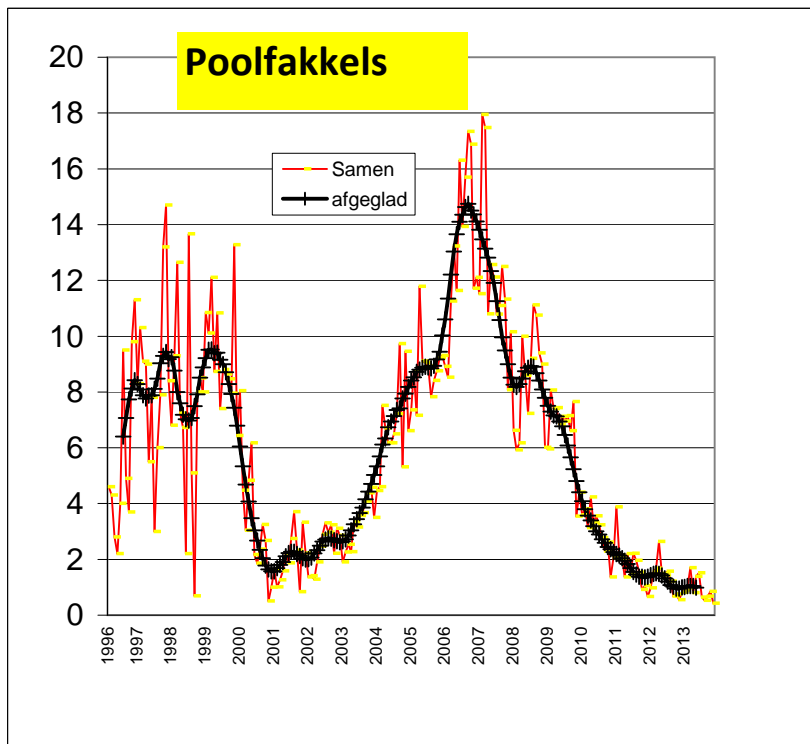
**E.De Ceuninck ; J.Janssens ; Publ obs Mira ; J.Bourgeois ; R.Dezeure ; F.Feys  
 H. De Backer; F.Dubois ; B.Taillieu ; J.Carels ; E.Neven ; R.De Laet ; M.Decks ; G.Verbanck  
 L.Meeus ; O.Steen ; KSB ; L.Claeys ; B.Thooris ; J.Bonse ; G.Gubbels ; J.De Wit  
 J.Claes ; R.Verboven ; F. Van Loo ; A.T.Son ; H.Coeckelberghs ; D.Van Hessche**

# Belgian Solar Observers

## Polar Faculae

Month: November 2013

Date	Dubois 125mm F20			Steen 102mm F15			T.Spaninks 127mm F15			G.Gubbels 114mm F7,8			J.Carels			Janssen 200mmF10		
	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q	North	South	Q
	1																	
2																		
3							0	0	3									
4	0	0	4															
5																		
6																		
7																		
8																		
9							0	0	3	0	0	4				0	0	3
10							0	0	4	0	0	3						
11										1	3	3				0	0	4
12																		
13				0	0	3,5												
14																		
15				0	0	3,5												
16																		
17																		
18																		
19	1	0	3															
20				1	0	3,5												
21																		
22																		
23																		
24				0	0	3,5												
25																		
26																		
27				1	0	3,5												
28																		
29																		
30				0	0	3,5	0	0	4							0	0	3,0
	0,50	0,00		0,33	0,00		0,0	0,0		0,3	1,0		#####	#####		0,00	0,00	



N.O.A.A.	ZICHTBAAR		N.O.A.A.	MAX	MAX	classificatie								
Regio	van	tot	breedte	lengte	AREA	LENGTE	Macintosh							
11890	02-11-13	15-11-13	S11	170	0950	14	HSX	EHC	EKC	EHC	EAO	AXX		
11891	06-11-13	09-11-13	S18	205	0120	07	CAO	DAC	DAI	DAO				
11892	06-11-13	08-11-13	S05	134	0010	04	AXX	BXO	AXX					
11893	08-11-13	20-11-13	S13	98	0480	12	HSX	CSO	DSO	DSI	DKC	EKI	EKC	DKC
11894	08-11-13	08-11-13	S07	201	0010	01	BXO							
11895	10-11-13	21-11-13	S16	78	0120	05	CAO	HSX	CSO	HSX				
11896	10-11-13	22-11-13	N11	68	0190	04	HSX	HAX	CSO	HSX				
11897	11-11-13	22-11-13	S20	66	0610	19	DAI	EKC	FKC	FAC	FAI	FSO	CSO	CRO
11898	11-11-13	15-11-13	S26	115	0020	04	AXX	CRO	BXO					
11899	12-11-13	24-11-13	N05	39	0630	10	HHX	DKI	DKO	CKO	DKO	HHX		
11900	14-11-13	20-11-13	S19	105	0150	09	DSO	DAC	DAI	CSO				
11901	14-11-13	17-11-13	S24	131	0030	09	BXO	CRO						
11902	15-11-13	18-11-13	N20	80	0050	03	DSO	CSO	AXX					
11903	17-11-13	30-11-13	S12	335	0150	05	HSX	HAX	CAO	CSO	HAX	HSX		
11904	23-11-13	25-11-13	N12	37	0130	10	DAI	HAX						
11905	23-11-13	27-11-13	N18	257	0080	09	DSO	DAO	BXO					
11906	25-11-13	25-11-13	S17	262	0000	01	AXX							
11907	26-11-13	01-12-13	S09	272	0200	13	DRO	DAO	EAC	CAO	HRX			
11908	27-11-13	06-12-13	S26	237	0230	11	DAO	EAO	DSO	HSX				
11909	27-11-13	09-12-13	S18	205	0350	11	DSO	DKC	EKC	DAI	DSO	CSO	HSX	
11910	28-11-13	02-12-13	N01	273	0030	06	CRO	AXX	BXO	DAO	BXO			
11911	30-11-13	06-12-13	S11	224	0050	05	CSO	DAO	HRX	BXO	AXX			
11912	01-12-13	14-12-13	S21	143	0120	14	HSX	CAO	HSX					
11913	02-12-13	04-12-13	S14	267	0130	09	DAO	CAO	DAO					
11914	02-12-13	02-12-13	S18	230	0010	02	AXX							
11915	03-12-13	07-12-13	S30	206	0080	10	BXO	CAO	DRO	BXO				
11916	04-12-13	12-12-13	S13	167	0350	12	BXO	DAO	DAC	DAI	EAC	EKC		

