

# Newsletter Belgian Solar Observers

Results and news from solar observers

Volume 22

Number 257

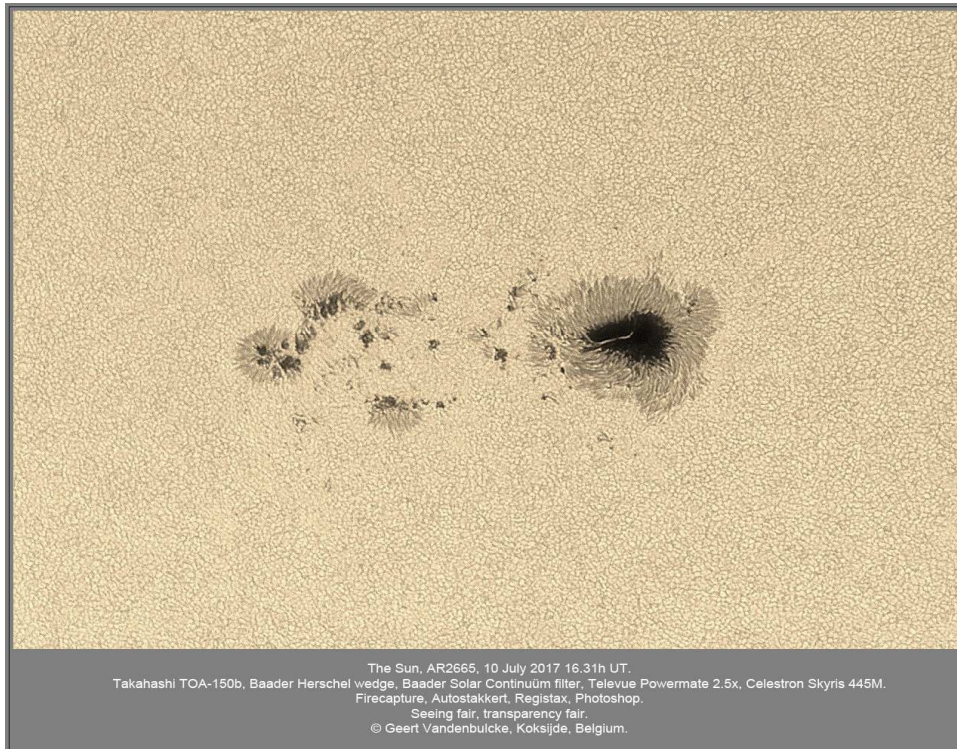
July 2017

Franky Dubois Poelkappellestraat 57 langemark 8920

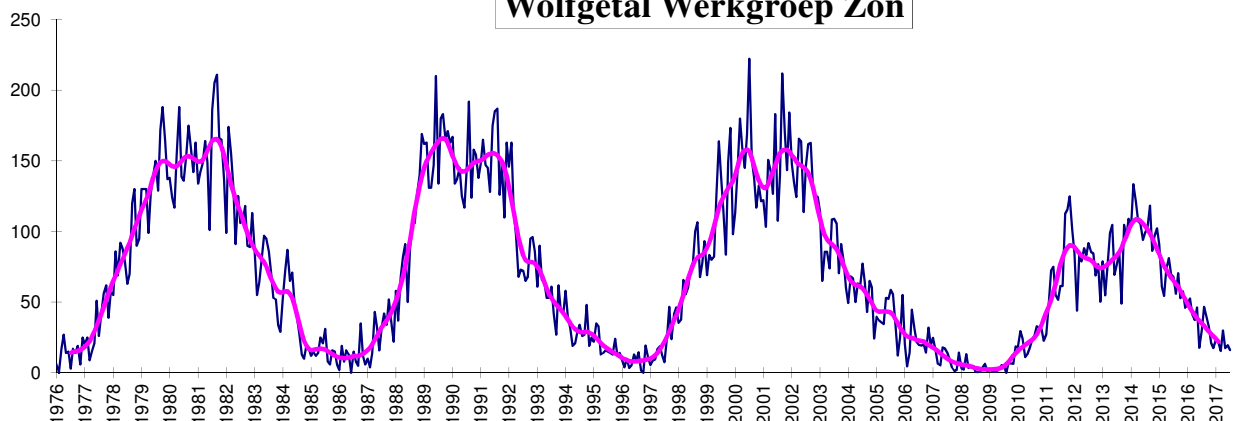
Web site: <http://www.bso.vvs.be> e-mail [astrosun@skynet.be](mailto:astrosun@skynet.be)

## Content Newsletter

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



### Wolfgetal Werkgroep Zon



### Mean of July 2017 observations

<u>Groups</u> :	N	0,61	<u>Wolfnumb</u> N	5,8	<u>Beck</u> :	157
	S	0,42	S	10,4	<u>CV</u>	18,9
	N+S	1,03	N+S	16,2	<u>SN</u>	17,3
408 observations	23 observers				<u>IS</u>	9,1



# Sunspotnumbers VVS Belgium

Month: July 2017

Day	GROUPS			WOLFNUMBER			RE'	CV	SN	IS	OBS
	N	S	N+S	N	S	N+S					
1	1	0	1	12,8	0	12,8	33	10	10	1,0	6
2	1	0	1	9,5	0	9,5	21	4,0	5,5	1,0	15
3	0	0	0	0	0	0	0	0	0	0	19
4	0	0	0	0	0	0	0	0	0	0	16
5	0	1	1	0	2	2,1	2	2	3	0	16
6	0	1	1	0	16	15,8	88	26	24	8	14
7	0	1	1	2,6	23	25,6	244	33	37	16	18
8	0	1	1	3,0	28	30,6	425	47	47	24	14
9	1	1	2	8,6	33	42	617	57	53	30	16
10	1	1	2	7,4	34	42	596	56	58	30	13
11	0	1	1	0	37	37	461	56	54	27	8
12	2	1	3	23,5	40	63,3	619	57	53	41	13
13	2	1	3	25,6	36	62,0	887	56	80	42	17
14	2	1	3	31,4	27	58,1	532	58	56	39	12
15	1	1	2	12,4	17	29,4	207	40	20	7	8
16	1	1	2	5,5	16	21,4	37	40	18	7	8
17	1	1	2	5,1	14	18,7	77	39	12	4	14
18	0	0	0	0	0	0	0	0	0	0	16
19	0	0	0	0	0	0	0	0	0	0	13
20	0	0	0	0	0	0	0	0	0	0	11
21	0	0	0	0	0	0	0	0	0	0	15
22	1	0	1	3,7	0	3,7	1	0	0	0	16
23	0	0	0	0	0	0	0	0	0	0	14
24	0	0	0	0	0	0	0	0	0	0	11
25	1	0	1	2,8	0	2,8	2	0,6	1,0	0	13
26	1	0	1	1,9	0	1,9	2	0,3	1,0	0,5	12
27	0	0	0	0	0	0	0	0	0	0	13
28	1	0	1	6,0	0	6,0	6	1,3	2,0	3,0	10
29	1	0	1	7,3	0	7,3	6	0,8	2,0	0	9
30	1	0	1	9,8	0	9,8	5	1	1	1	13
31	0	0	0	0	0	0	0	0	0	0	15
	<b>0,61</b>	<b>0,42</b>	<b>1,03</b>	<b>5,8</b>	<b>10,4</b>	<b>16,2</b>	<b>157,0</b>	<b>18,9</b>	<b>17,3</b>	<b>9,1</b>	<b>408</b>

Monthly mean: **16,2** Covering: **31/31** Spotless days: **10**  
 Observations: **408** Number of observers: **23**

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Observers:

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 H. De Backer; F.Dubois ; B.Taillieu ; J.Carels ; G.Verbanck; J.Claes  
 L.Meeus ; O.Steen ; KSB ; L.Claeys ; B.Thooris ; G.Gubbels ; J.De Wit; J. Neys  
 R.Verboven ; F. Van Loo ; A.T.Son ; H.Coeckelberghs ; D.Van Hessche; I. Demeulenaere

# Belgian Solar Observers

## Polar Faculae

Month: July 2017

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							0	0	4									
3	6	4	3				1	0	4									
4				1	2	3,0												
5	6	5	3	1	2	3	1	0	5									
6				2	3	3,0	0	0	5									
7	12	6	4	3	5	3,0	0	0	5									
8							0	0	4									
9	10	8	4	5	4	4,0	0	0	4							7	5	5
10							0	2	5									
11																		
12																		
13	4	5	4	4	8	4,0	0	0	5									
14							0	0	4									
15							0	0	4									
16							0	0	4									
17							0	0	4									
18				1	4	3,5	0	0	4									
19				3	5	3,5	0	0	3									
20				3	3	3,5	0	0	4									
21				4	3	4,0	0	0	5							4	3	4
22				1	1	3,0										8	5	4
23	10	5	4	3	3	4												
24				1	3	3,5												
25	14	12	5	3	4	3,5												
26				5	5	4												
27																		
28																		
29																		
30																		
31																		
	8,86	6,43		2,67	3,67		0,1	0,1		#####	#####		#####	#####		6,33	4,33	

