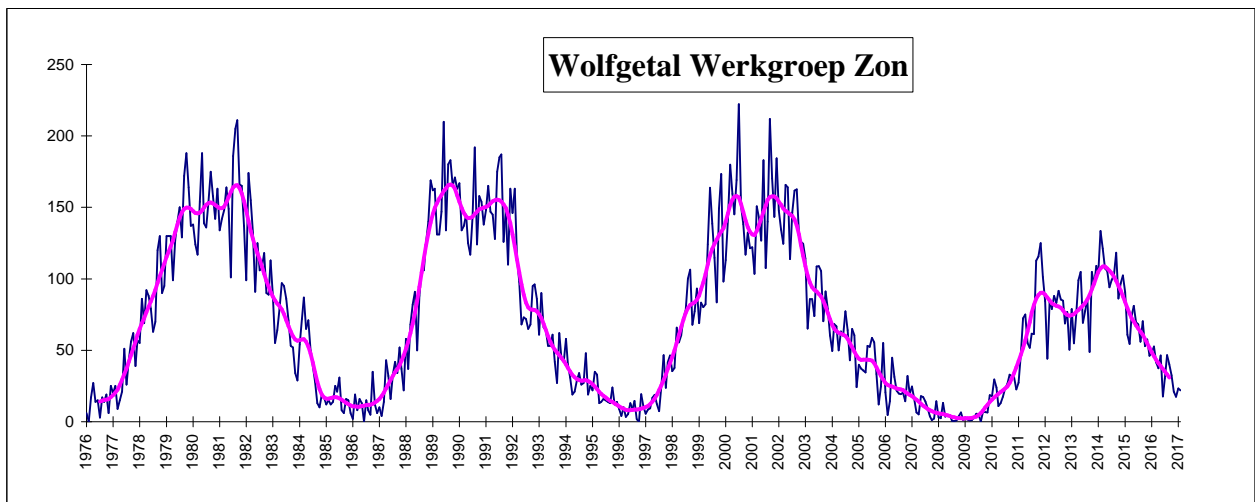


# NIEUWSBRIEF V.V.S. WERKGROEP ZON

Waarnemingsresultaten en nieuws voor zonneaarnemers	Jaargang : 22	Nummer: 252	Februari 2017
Franky Dubois Poelkappellestraat 57 Langemark 8920			
Web site: <a href="http://www.bso.vvs.be/">http://www.bso.vvs.be/</a> e-mail <a href="mailto:astrosun@skynet.be">astrosun@skynet.be</a>			

## Testopstelling Ivo Demeulenaere



### Gemiddelden werkgroep zon Februari 2017

Groepen : N	1,55	Wolfgetal : N	19,5	RE'	68,3
S	0,25	S	2,5	CV	13,5
N+S	1,80	N+S	22	SN	15,8
173 waarnemingen 19 waarnemers				IS	6,4



# Sunspotnumbers VVS Belgium

Month: February 2017

Day	GROUPS			WOLFNUMBER			RE'	CV	SN	IS	OBS
	N	S	N+S	N	S	N+S					
1	2	0	2	25	0	25	109	20			2
2	3	0	3	39	0	38,8	169	28,3	37,3	12,5	9
3	3	0	3	34	0	33,8	102	19,2	29,0	9,5	9
4	0	0	0	0	0	0	0	0	0	0	1
5											
6	1	0	1	9	0	9	11	2	1	1	12
7											
8											
9											
10	1	0	1	17	0	17	117	22	25	7	2
11											
12	1	0	1	16,4	0	16,4	120	19,0	25,5	8,0	5
13	1	0	1	15,4	0	15,4	72	19,2	20,0	6,5	16
14	1	0	1	15	0	15	34	8,3	14,0	6,0	14
15	2	0	2	21,5	0	21,5	46	8,3	9,0	4,0	14
16	2	0	2	15,7	0	16	25	4,8	6,0	4,0	15
17	1	0	1	13,8	0	13,8	14	1,5	4,0		4
18	1	1	2	11,5	2	13,3	14	1,3	2,0	1,0	14
19	1	1	2	10,5	11	21,2	13	2,7	2,7	3,5	11
20											
21											
22											
23	1	0	1	18,0	0	18,0	66	11,8	17,7	9,0	8
24	1	1	2	14,7	10	25,1	30	12,3	14,0	5,0	8
25	1	1	2	14	13	27	76	18,0	21,0	6,5	14
26	2	1	3	24	13	37	36				1
27	3	0	3	34	0	34	96	20,3	25,5	14,0	6
28	3	0	3	44,1	0	44,1	217	39,0	31,0	11,0	8
	1,55	0,25	1,80	19,5	2,5	22,0	68,3	13,5	15,8	6,4	173

Monthly mean: 22,0    Covering: 20/28    Spotless days: 1  
 Observations: 173    Number of observers: 21

V.V.S. BELGIUM SOLAR SECTION    FRANKY DUBOIS

Poekapellestraat 57  
 B8920 Langemark  
 Belgium  
 e-mail : astrosun@skynet.be

Observers:

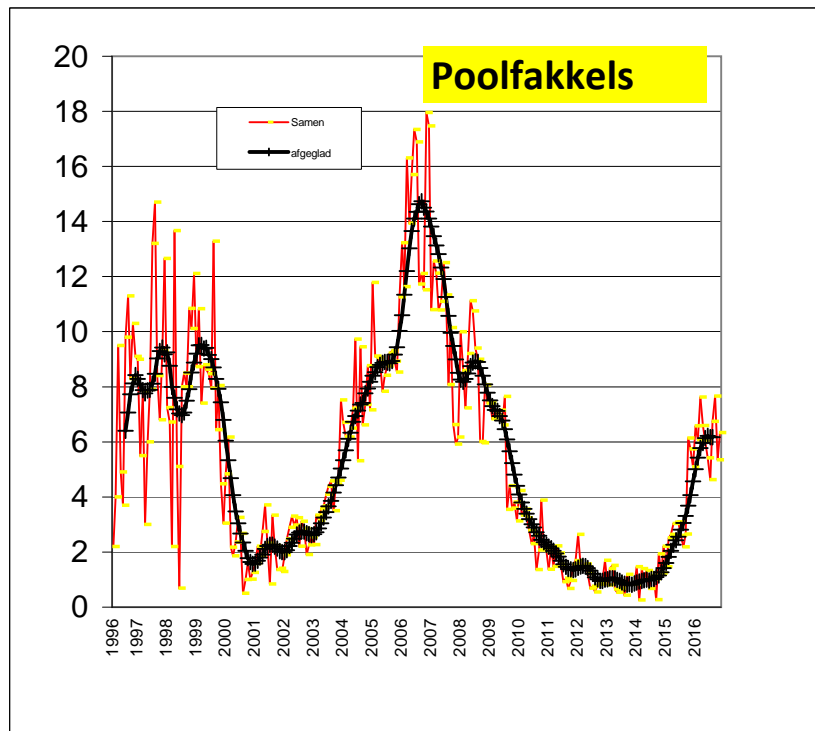
E.De Ceuninck ; J.Janssens ; Publ obs Mira ; J.Bourgeois ; R.Dezeure ; F.Feys  
 H. De Backer; F.Dubois ; B.Taillieu ; J.Carels ; G.Verbanck; J.Claes  
 L.Meeus ; O.Steen ; KSB ; L.Claeys ; B.Thooris ; G.Gubbels ; J.De Wit; J. Neys  
 R.Verboven ;F. Van Loo ; A.T.Son ; H.Coeckelberghs ; D.Van Hessche;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

# Belgian Solar Observers

## Polar Faculae

Month: February 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																		
3																		
4																		
5							0	0	3									
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13							0	0	4									
14																		
15	2	4	3	0	2	3,5												
16				1	3	3,0												
17																		
18				1	5	3,5	0	0	4						1	11	3	
19																		
20																		
21																		
22																		
23				0	4	3,0												
24				1	7	3,5												
25							0	0	3						4	13	3	
26																		
27																		
28																		
	2,00	4,00		0,60	4,20		0,0	0,0		#####	#####		#####	#####		2,50	12,00	



N.O.A.A.	ZICHTBAAR		N.O.A.A.	MAX	MAX	classificatie					
Regio	van	tot	breedte	lengte	AREA	LENGTE	Macintosh				
12621	26-12-16	28-12-16	N10	234	0030	07	BXO	CRO	BXO		
12622	30-12-16	31-12-16	N11	196	0010	01	AXX				
12623	no spots										
12624	03-01-17	03-01-17	S08	141	0000	01	AXX				
12625	12-01-17	22-01-17	N01	252	0060	08	HSX	CSO	HAX	AXX	
12626	13-01-17	24-01-17	N08	244	0140	03	HSX	CAO	HSX	AXX	
12627	20-01-17	25-01-17	N06	193	0110	07	DAO	DAI	CRO	BXO	
12628	20-01-17	29-01-17	N13	172	0220	13	BXO	DAI	DSO	EAO	CAO CSO HSX
12629	24-01-17	04-02-17	N15	110	0220	08	CAO	DAO	CSO	HSX	HAX
12630	30-01-17	30-01-17	N16	39	0010	01	AXX				
12631	30-01-17	31-01-17	S04	113	0010	04	BXO				
12632	31-01-17	05-02-17	N15	83	0060	08	BXO	DAO	CAO	AXX	
12633	02-02-17	03-02-17	N14	100	0010	08	BXO				
12634	05-02-17	07-02-17	N04	302	0010	01	AXX				
12635	08-02-17	16-02-17	N12	304	0110	07	DAI	CSO	HRX		
12636	15-02-17	19-02-17	N11	184	0020	03	AXX	HRX	CRO	BXO	AXX
12637	19-02-17	20-02-17	S03	131	0020	01	AXX				
12638	20-02-17	03-03-17	N18	109	0150	10	DAO	DSO	CSO	HSX	
12639	24-02-17	26-02-17	S08	153	0020	02	HRX	CRO	BXO		
12640	26-02-17	02-03-17	N08	71	0030	04	BXO	AXX			
12641	27-02-17	05-03-17	N15	36	0100	11	CRO	CAO	BXO		
12642	01-03-17	03-03-17	N15	43	0040	05	CRO	BXO			

Ivo Demeulenaere

Daily Sunspot Evaluation

date: 5 March 2017, day of week: SUN, start time UT: 7:55, end time UT: 10:00, Carrington rotation / day: 1, number of groups (g): 1, number of spots (s): 1, Wolf number (w): 11, Cx: 1

location	telescope	eyepiece	magnification	filters
<input checked="" type="checkbox"/> Evertel	<input type="checkbox"/> Sky-Watcher 130mm/650mm/Ref.	<input type="checkbox"/> 20 mm ES/McV	<input type="checkbox"/> 53 = 475 / 9	<input type="checkbox"/> Baader Solar Visor
<input type="checkbox"/> Oostende	<input type="checkbox"/> SkyMax 127mm / 1500 mm Mak	<input type="checkbox"/> 15 mm ES	<input type="checkbox"/> 54 = 650 / 12	<input checked="" type="checkbox"/> Green CCD interference
<input type="checkbox"/> on the road	<input type="checkbox"/> Skyhawk 114mm / 475mm / Ref.	<input type="checkbox"/> 12 mm Vixen	<input type="checkbox"/> 62 = 1250 / 20	<input type="checkbox"/> Blue CCD interference
<input type="checkbox"/>	<input checked="" type="checkbox"/> Orion 90mm / 1250mm Mak	<input type="checkbox"/> 9 mm TS P HR	<input type="checkbox"/> 72 = 650 / 9	<input type="checkbox"/> Green glassfilter
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 75 = 1300 / 20	<input type="checkbox"/> Blue 38A 435 nm (glass)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> image mirrored	<input type="checkbox"/>	<input type="checkbox"/> projection	<input type="checkbox"/>

Sun height (°): 25°, clouds (N/8): 1/8, transparency (W): var, wind (B): strong, West drift: X, seeing: var, granulation visibility: yes, SIDC G-index (n/S): 3

group	# spots	class & Class Value	NOAA/SWPC (AR/S)	group	# spots	class & Class Value	NOAA/SWPC (AR/S)
a	1	Axx = 1		b			
b				c			
c				d			
d				e			
e				f			
f				← total	1	1	1

Observer: ivo.demeulenaere@gmail.com

Notes: previous obs was 2 weeks ago!

Sun Observation Form -ID -rev 12- E -upd 2017-01-15