

Newsletter Belgian Solar Observers

Results and news from solar observers

Volume 19

Number 226

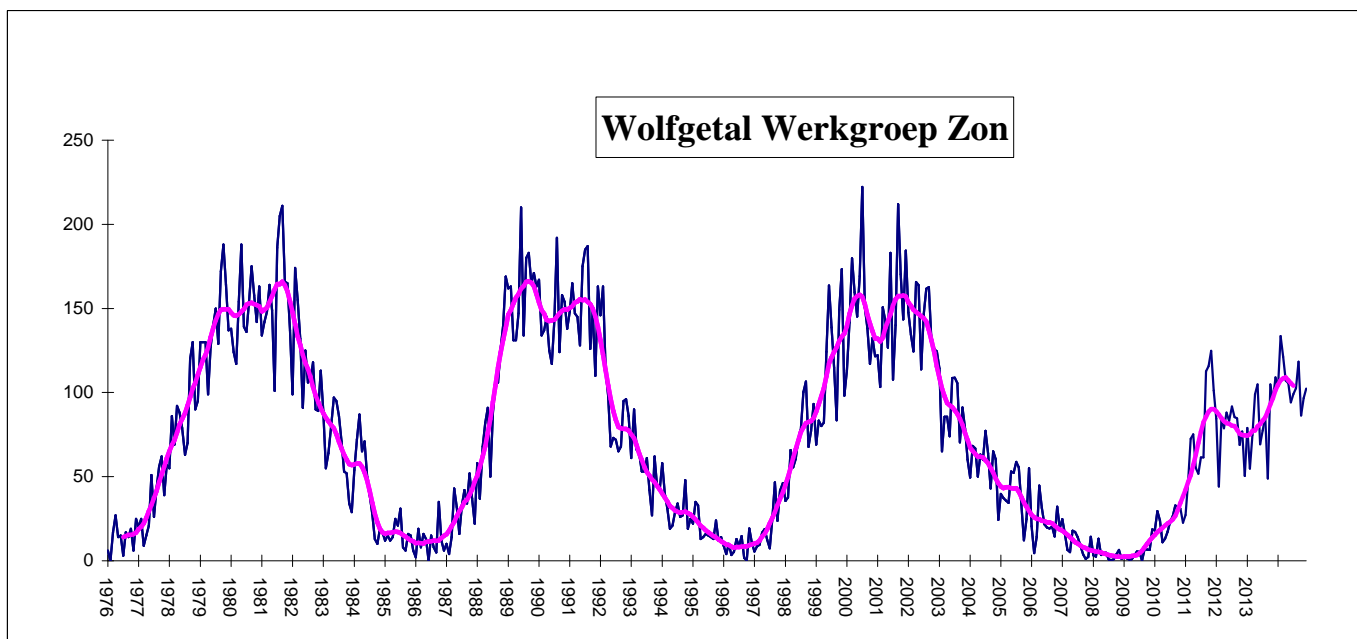
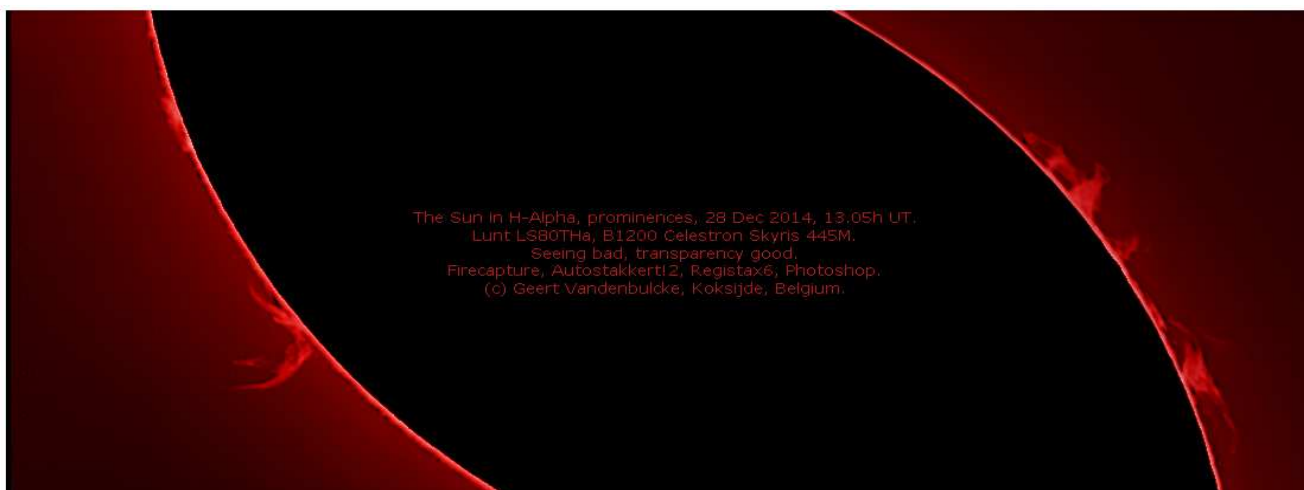
December 2014

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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 December 2014 observations

<u>Groups</u> :	N	2,55	<u>Wolfnumb</u> N	33,6	<u>Beck</u> :	748
	S	4,45	S	68,6	<u>CV</u>	103,3
	N+S	7,00	N+S	102,3	<u>SN</u>	108,8
278 observations	23 observers				<u>IS</u>	36,4

Sunspotnumbers VVS Belgium

Month: **December 2014**

Day	GROUPS			WOLFNUMBER			RE'	CV	SN	IS	OBS
	N	S	N+S	N	S	N+S					
1											
2											
3											
4											
5											
6	1	5	6	19	45,8	64,6	222	63,7	34,3	9	14
7	0	4	4	0	44,0	44,0	417	65,0			2
8	2	3	5	27,3	40,0	67,3	277	63,8	56	19	9
9	2	3	5	31,7	40,1	71,9	409	56,0	66,0	19	9
10	3	3	6	35,6	48,1	84	681	85	101,0	24	11
11	3	4	7	46,6	49	96	688	106,5	125		3
12											
13											
14	5	6	11	67	84,0	150,6	747	143,0	143,7	50,0	14
15	4	5	9	57	94,9	152,0	1529	153,5	165	77	6
16	4	5	9	58	108,1	166,5	1288	148,8	149	61	12
17											
18											
19	4	5	9	60	106,3	166,7	1963	160,5	159,0		3
20	3	4	7	37,6	88,4	126,0	1525	160,3	144	61	8
21	3	4	7	37,9	90,1	128,0	1406	167	151		3
22											
23	3	5	8	35,7	65,3	101,0	464	141,0	119	27,0	4
24	2	5	7	21	70,6	91,5	516				2
25	2	5	7	23,2	67,8	91,0	454	72,0	81	24,0	18
26	2	3	5	25	44,9	69,8	331	66,0			5
27											
28	2	5	7	22	68,8	91,1	387	67	79	31,5	18
29	2	5	7	23	69,2	92,0	469	86	94	30,5	8
30	3	5	8	34	66,1	100,3	549	73,0	81,0	40,0	13
31	1	5	6	10,7	81,0	91,6	642,0	85,0	104	37	12
	2,55	4,45	7,00	33,6	68,6	102,3	748,1	103,3	108,8	36,4	174

Monthly mean: **102,3** Covering: **20/31** Spotless days: **0**
 Observations: **174** Number of observers: **23**

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Observers:

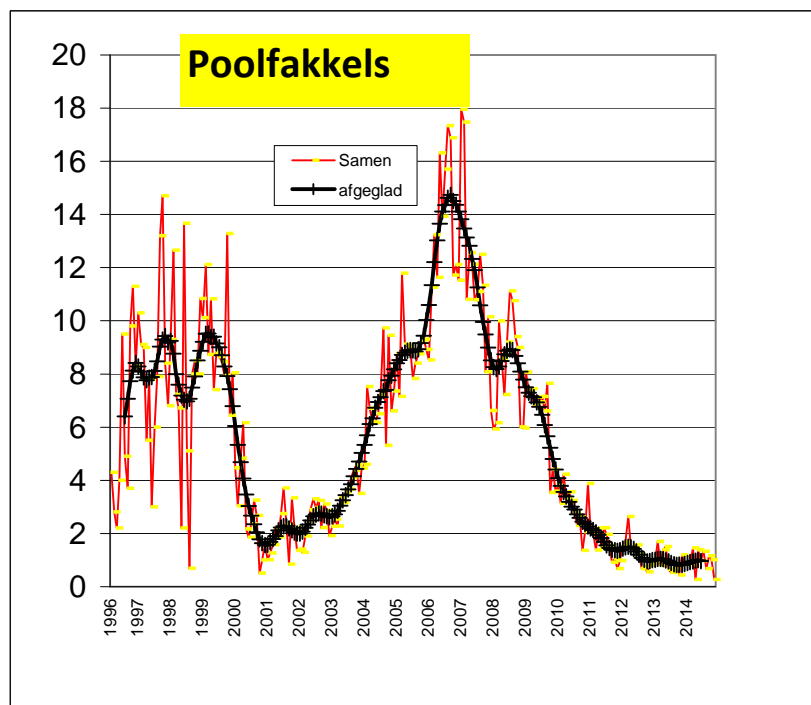
E.De Ceuninck ; J.Janssens ; Publ obs Mira ; J.Bourgeois ; R.Dezeure ; F.Feys
 H. De Backer ; F.Dubois ; B.Taillieu ; J.Carels ; E.Neven ; R.De Laet ; M.Decks ; G.Verbanck
 L.Meeus ; O.Steen ; KSB ; L.Claeys ; B.Thooris ; J.Bonse ; G.Gubbels ; J.De Wit
 J.Claes ; R.Verboven ; F. Van Loo ; A.T.Son ; H.Coeckelberghs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

Belgian Solar Observers

Polar Faculae

Month: December 2014

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																							
6				1	1	3,5	0	0	3														
7																							
8																0	0	3					
9																0	0	3					
10				0	0	3,5																	
11																							
12																							
13																							
14	0	1	3																				
15	0	0	4	0	0	3,5																	
16																0	0	4					
17																							
18																							
19				0	1	3,5																	
20																							
21																							
22																							
23																							
24																							
25	0	0	3													0	0	3					
26																							
27																							
28																							
29																							
30																							
31																0,0	0,0	3,0					
0,00	0,33			0,25	0,50			0,0	0,0			#####	#####			#####	#####			0,00	0,00		



N.O.A.A.	ZICHTBAAR		N.O.A.A.	MAX	MAX	classificatie								
Regio	van	tot	breedte	lengte	AREA	LENGTE	Macintosh							
12225	30-11-14	05-12-14	S17	43	0010	08	AXX	BXO						
12226	01-12-14	06-12-14	S19	109	0090	07	CAO	CAI	CRO	BXO	HAX			
12227	02-12-14	14-12-14	S03	1	0150	05	HSX	HAX	CSO	HSX				
12228	04-12-14	05-12-14	N08	64	0010	03	BXO							
12229	06-12-14	06-12-14	S23	359	0010	03	BXO							
12230	06-12-14	17-12-14	S15	320	0190	08	CRI	DAO	DAC	DSC	CAO	HAX		
12231	07-12-14	09-12-14	S05	356	0050	06	DAO	DAI	BXO					
12232	07-12-14	15-12-14	N10	291	0240	09	DAO	DSI	DAO	CAO	CRO	BXO		
12233	09-12-14	10-12-14	N03	325	0010	02	AXX	BXO						
12234	10-12-14	17-12-14	N04	311	0110	08	CRO	DAC	DAO	CAO	HSX			
12235	10-12-14	21-12-14	S07	264	0220	09	HSX	DSC	HSX	CAO	HAX			
12236	11-12-14	23-12-14	N31	240	0200	10	DSO	DAO	CAO	HAX	HSX			
12237	12-12-14	19-12-14	S14	250	0120	14	DSO	ESO	CSO	HSX	HAX	HRX		
12238	12-12-14	12-12-14	N01	253	0010	02	BXO							
12239	14-12-14	21-12-14	N14	251	0080	08	CAI	DAI	DSO	DAO	CSO	BXO		
12240	14-12-14	22-12-14	N11	217	0070	10	HAX	CAO	CSO	HAX	AXX			
12241	13-12-14	25-12-14	S10	217	0720	13	DAC	EAC	EKC	EHC	EHI	CKO	HSX	
12242	14-12-14	23-12-14	S18	237	1080	16	DAC	DKC	EKC	DKC				
12243	19-12-14	19-12-14	N09	184	0010	01	AXX							
12244	20-12-14	26-12-14	S03	157	0190	09	CAO	DAO	DRO	AXX				
12245	21-12-14	26-12-14	N09	123	0050	07	CAO	CRO	CAO	BXO	AXX			
12246	21-12-14	02-01-15	N19	107	0090	02	HSX							
12247	23-12-14	30-12-14	S24	97	0060	04	HAX	HSX	HRX	BXO	AXX			
12248	23-12-14	05-01-15	S19	84	0160	13	HSX	HAX	DAO	DSO	CSO	HAX		
12249	25-12-14	29-12-14	S12	164	0210	10	DAO	DAC	DAI					
12250	26-12-14	30-12-14	N08	146	0030	07	BXO	CSO	CAO	CRO	HRX			

