

Newsletter Belgian Solar Observers

Results and news from solar observers

Volume 20

Number 228

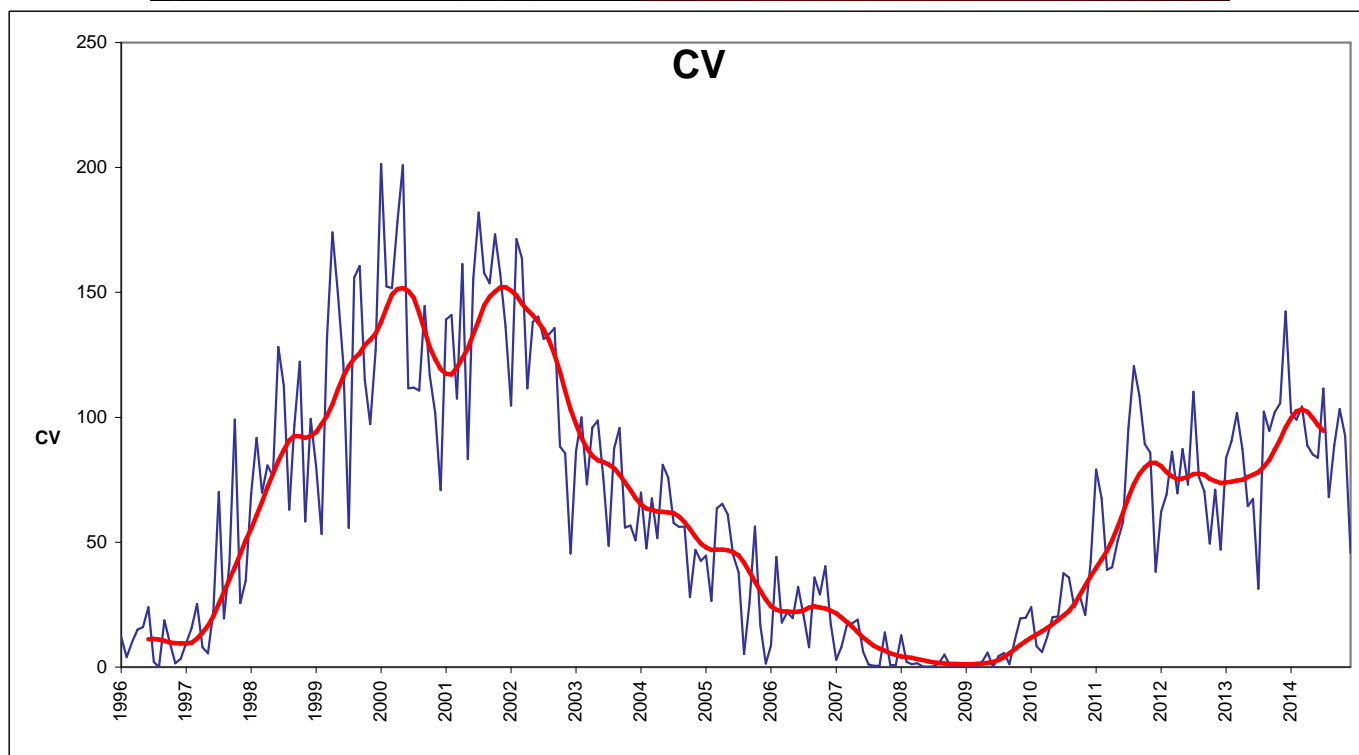
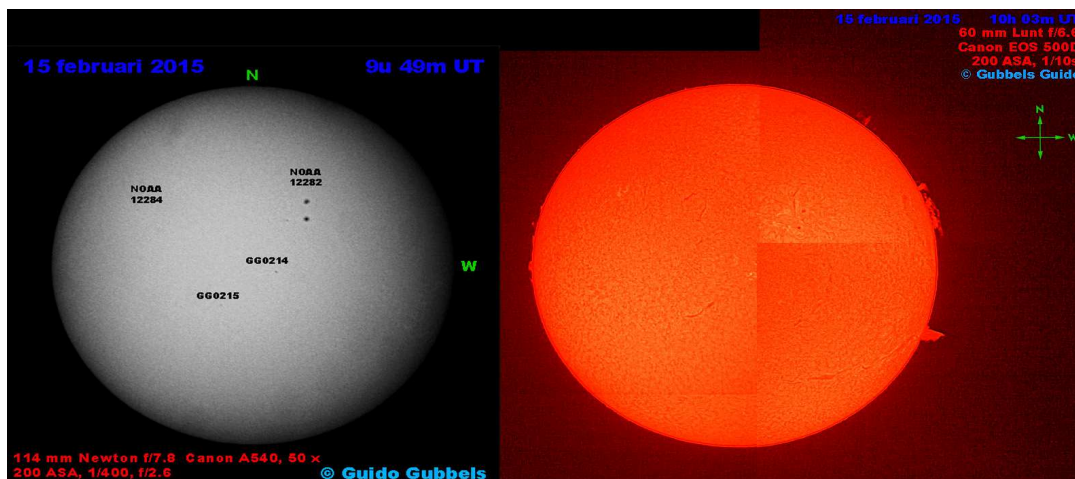
February 2015

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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 February 2015 observations

<u>Groups</u> :	N	2,92	<u>Wolfnumb</u> N	41,4	<u>Beck</u> :	401
	S	1,38	S	19,6	<u>CV</u>	45,7
	N+S	4,31	N+S	61	<u>SN</u>	57,1
266 observations	24 observers				<u>IS</u>	28,6

Sunspotnumbers VVS Belgium

Month: February 2015

Day	GROUPS			WOLFNUMBER								
	N	S	N+S	N	S	N+S	RE'	CV	SN	IS	OBS	
1												
2	3	3	6	61,4	40,3	102	926	89,8	95,5	62	13	
3	2	3	5	34,6	34,1	68,7	672	81,7	93,5	30	7	
4	3	2	5	71,8	26,2	98,0	1238	80,2	140,3	61,5	13	
5	3	1	4	60,9	19,9	80,8	1057	76,7	90,0	48	9	
6	3	2	5	43,8	31,8	75,6	567	67,4	82,3	38	16	
7	3	1	4	45,0	26,4	71,4	661	61,4	75,5	35	16	
8	4	1	5	50,7	31	81,3	775	84,2	104,5	48,5	13	
9	4	1	5	54,0	22,0	76,0	446	76,0			1	
10	4	1	5	60,0	21,0	81,0	544	98,0	99,0	36	2	
11	3	1	4	28,2	16,3	44,5	294	17,0	40,0		2	
12	3	1	4	33,5	12,5	46,0	229	33,0	35,0		9	
13	4	0	4	46,5	0	46,5	203	32,4	36,3	15	17	
14	4	0	4	53	0	53	181	34,3	31,5	21	5	
15	3	2	5	35,5	21,5	57,0	169	30,9	32,8	21	20	
16	2	1	3	24,7	14,3	39	127	23,0	23,0	9	9	
17	2	1	3	22,2	9,0	31,2	158	25,6	24,0	9	11	
18	4	3	7	45,8	36,2	82,0	333	42,5	62,7	32	12	
19	4	3	7	47,3	33,1	80,4	298	49,3	69,3	23,5	12	
20	3	1	4	41,0	12,0	53,0	75	11,0	30,0	16	1	
21	2	2	4	30	20	50	181	31,5	24,0	18	9	
22	3	1	4	35	5	39,9	77	15,8	13,7	14	14	
23	2	1	3	37,3	14,6	51,9	169	19,8	31,3	19,5	12	
24	2	2	4	32,1	15,5	47,6	158	17,3	29,7	24	11	
25	2	0	2	18	0	18	144	19,0			1	
26												
27	2	1	3	32	25	57	415	28,2	48,7	31	15	
28	2	1	3	30,3	24,5	54,8	332	42,1	57,0	17,5	16	
	2,92	1,38	4,31	41,4	19,6	61,0	401,0	45,7	57,1	28,6	266	

Monthly mean: **61,0** Covering: **26/28** Spotless days: **0**
 Observations: **266** Number of observers: **24**

V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS

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Observers:

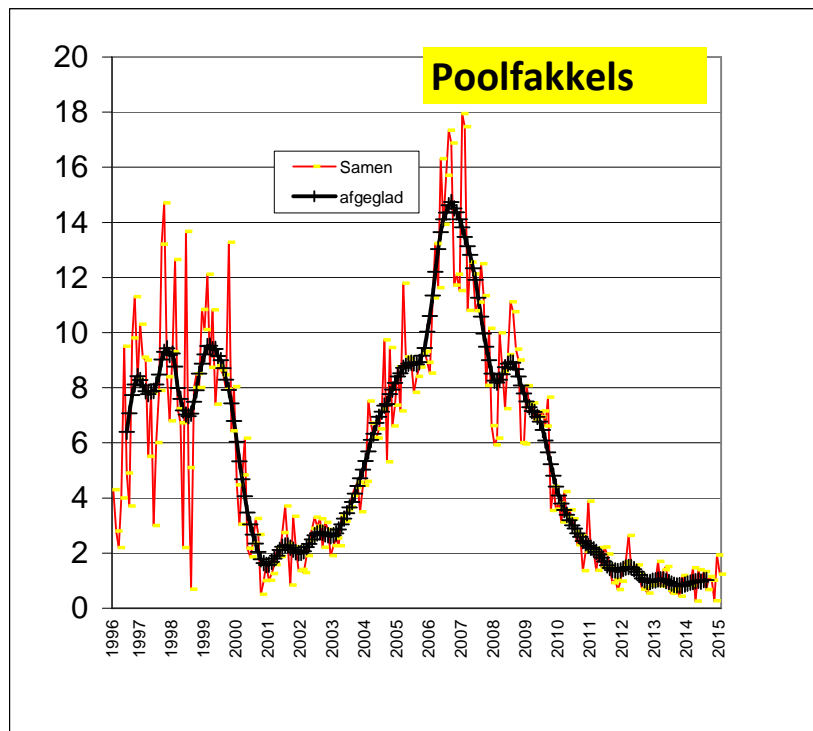
E.De Ceuninck ; J.Janssens ; Publ obs Mira ; J.Bourgeois ; R.Dezeure ; F.Feys
 H. De Backer; F.Dubois ; B.Taillieu ; J.Carels ; E.Neven ; R.De Laet ; G.Verbanck
 L.Meeus ; O.Steen ; KSB ; L.Claeys ; B.Thooris ; G.Gubbels ; J.De Wit
 J.Claes ; R.Verboven ; F. Van Loo ; A.T.Son ; H.Coeckelberghs ; D.Van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

Belgian Solar Observers

Polar Faculae

Month: February 2015

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	2	3	1	0	3,5													
3																			
4	2	1	3													0	0	4	
5																			
6																			
7	0	1	3	0	0	3,5										0	0	3	
8				1	1	3,5	0	0	4										
9																			
10																			
11																			
12																			
13							0	0	4										
14				0	1	3,5													
15	0	3	3	0	1	3,5	0	0	4	1	2	4							
16							0	0	4										
17	0	1	3				0	0	4										
18	0	3	4	0	0	3,0													
19																			
20													0	2	3				
21				0	0	3,5													
22				0	2	3,5										0	2	3	
23													0	3	4				
24	1	5	4	0	1	3,5							0	1	4				
25																			
26																			
27				0	1	3,5											0	1	3
28																			
30																			
31																			
	0,43 2,29			0,20 0,70			0,0 0,0			1,0 2,0			0,00 2,00			0,00 0,75			



N.O.A.A.	ZICHTBAAR		N.O.A.A.	MAX	MAX	classificatie								
Regio	van	tot	breedte	lengte	AREA	LENGTE	Macintosh							
12251	27-12-14	04-01-15	S20	84	0160	13	HRX	CAO	CAI	DAC	DAI	DSO	DAO	HAX
12252	27-12-14	08-01-15	S20	26	0100	03	HSX	CAO	HAX	AXX				
12253	30-12-14	10-01-15	S07	3	0900	17	DAI	EAC	EKC	FKC	FAC	ESI	CSO	AXX
12254	31-12-14	03-01-15	S22	44	0020	04	CSO	CRO	AXX					
12255	01-01-15	14-01-15	S16	321	0160	12	HAX	CAO	DAI	DSO	CSO	HSX	EAO	DAO
12256	02-01-15	05-01-15	S08	72	0060	06	CRO	CAO						
12257	06-01-15	14-01-15	N07	320	0480	11	DAO	DAI	DKI	EKC	EAC	DAO		
12258	06-01-15	11-01-15	N13	256	0300	13	AXX	HRX	CRO	BXO				
12259	08-01-15	20-01-15	S16	241	0360	13	EAO	EKO	EKC	DAC	DAI	DAO	CSO	HSX
12260	09-01-15	16-01-15	N09	282	0070	09	DAO	CRO	DAI	DAO	CSO			
12261	09-01-15	18-01-15	S11	223	0030	02	HSX	AXX						
12262	10-01-15	15-01-15	S01	298	0040	07	CRO	AXX						
12263	15-01-15	18-01-15	N22	167	0030	06	CRO	DRO	BXO					
12264	16-01-15	16-01-15	N09	157	0010	01	AXX							
12265	18-01-15	23-01-15	S22	180	0020	04	CRO	CAO	CRO	HRX	AXX			
12266	18-01-15	25-01-15	S06	165	0130	09	CRI	DAI	DSO	DAO	DSO	CAO		
12267	19-01-15	25-01-15	N18	103	0030	04	HAX	HRX	CRO	BXO				
12268	22-01-15	03-02-15	S10	48	0510	18	DAO	EKC	EKI	FKC	FHC	FKI	FAI	
12269	22-01-15	28-01-15	N09	89	0030	06	BXO	CRO	CAI	AXX				
12270	23-01-15	23-01-15	S18	54	0010	01	AXX							
12271	25-01-15	01-02-15	N17	73	0230	12	CAO	DAI	DAC	EAO				
12272	26-01-15	02-02-15	N12	12	0040	06	CAO	HAX	HRX	AXX				
12273	26-01-15	01-02-15	S03	67	0090	05	BXO	DAO	CAO	HRX	AXX			
12274	26-01-15	26-01-15	S03	74	0010	03	BXO							
12275	26-01-15	01-02-15	S17	83	0200	08	CSO	DAI	DAO	CAO				
12276	28-01-15	31-01-15	S07	18	0010	05	BXO							
12277	28-01-15	10-01-15	N09	331	0510	28	HAX	FHC	FKC	FKO	FKI	CSO	HSX	
12278	29-01-15	31-01-15	S08	8	0010	06	BXO	AXX						
12279	02-02-15	04-02-15	S20	35	0030	06	CRO	AXX						
12280	02-02-15	13-02-15	S08	284	0300	11	BXO	DAI	DAC	EKC	DAC	CSO		
12281	03-02-15	11-02-15	N14	251	0110	14	CAO	DAO	DAC	EAC	CAO			
12282	07-02-15	19-02-15	N11	189	0250	13	HSX	CAO	DSO	EHO	ESO	CSO	HSX	
12283	12-02-15	14-02-15	N07	217	0020	03	CRO	BXO	AXX					
12284	13-02-15	18-02-15	N14	136	0030	06	CRO	BXO	AXX					
12285	15-02-15	17-02-15	S09	180	0020	03	CRO	BXO	AXX					
12286	18-02-15	19-02-15	S19	193	0030	02	CAO	HSX						
12287	18-02-15	26-02-15	N15	104	0050	07	DRO	DSI	DRO	CRO	AXX			
12288	18-02-15	21-02-15	S07	165	0040	08	CRO	DSO	CAO					
12289	18-02-15	26-02-15	S08	56	0010	06	AXX	BXO	AXX					
12290	18-02-15	02-03-15	N19	56	0070	08	AXX	DRO	DRI	DAO	CAO	CRO	HSX	
12291	22-02-15	22-02-15	N13	76	0010	03	AXX							
12292	23-02-15	04-03-15	S08	11	0180	08	BXO	AXX	DAI	DAC	CAI			
12293	26-02-15	06-03-15	N06	340	0090	10	AXX	DAC	DAI	DAO	CAO	AXX		
12294	27-02-15	02-03-15	S14	22	0090	09	DAI	BXO	AXX					
12295	05-03-15	05-03-15	S08	342	0010	02	BXO							
12296	06-03-15	06-03-15	S11	254	0010	02	BXO							
12297	05-03-15	19-03-15	S17	197	0420	16	HRX	DSI	DHC	DKC	EKC	FKC	CKO	
12298	11-03-15	13-03-15	S11	248	0010	05	BXO	CRO	AXX					
12299	12-03-15	19-03-15	S05	139	0010	05	CRO	BXO	AXX					
12300	13-03-15	13-03-15	N13	234	0010	03	BXO							
12301	13-03-15	17-03-15	S16	171	0020	03	CRO	BXO	AXX					
12302	17-03-15	19-03-15	N10	184	0080	07	CRI	CAI						