

Newsletter Belgian Solar Observers

Results and news from solar observers

Volume 20

Number 233

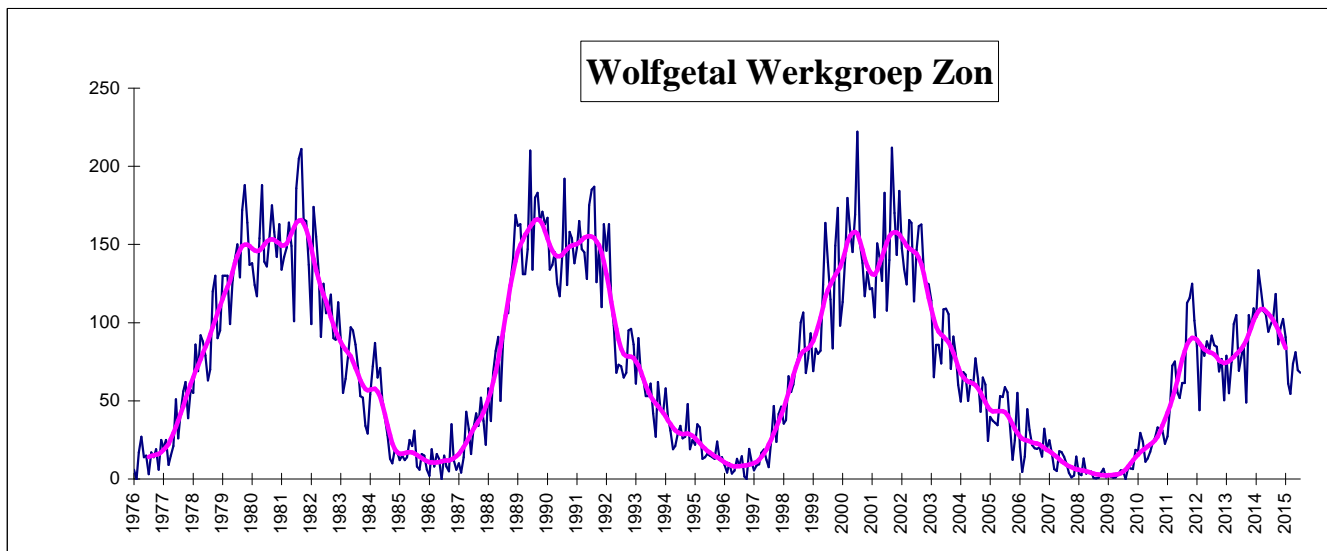
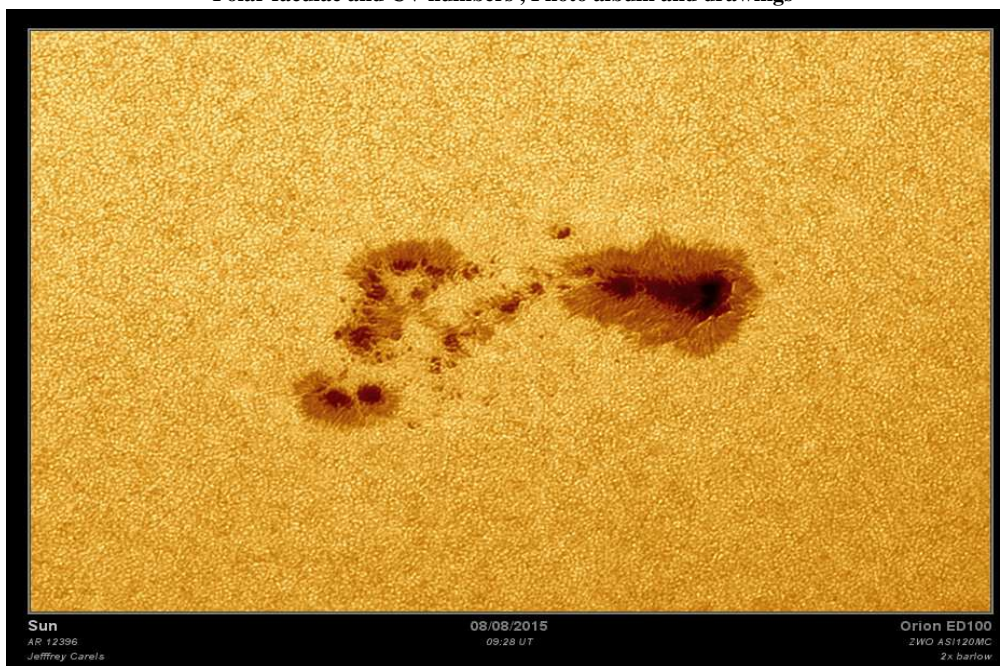
July 2015

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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 July 2015 observations

<u>Groups</u> :	N	2,37	<u>Wolfnumb</u> N	35,5	<u>Beck</u> :	400,8
	S	2,47	S	32,5	<u>CV</u>	58,5
	N+S	4,83	N+S	68	<u>SN</u>	60,4
354 observations	23 observers				<u>IS</u>	26,2

Sunspotnumbers VVS Belgium

Month: **July 2015**

Day	GROUPS			WOLFNUMBER			RE'	CV	SN	IS	OBS
	N	S	N+S	N	S	N+S					
1	3	1	4	48	11,8	60	393	54,8	67,5	22	15
2	3	3	6	40	36,4	77	373	61,0	77,5	28	16
3	2	4	6	36,6	50,1	86,7	435	65,7	85,5	33,5	17
4	4	3	7	62,0	44,8	106,8	411	66,2	98,5	48,5	17
5	4	4	8	58,9	48,0	106,9	538	82,8	106,0	29,0	14
6	3	3	6	55,1	40,7	95,8	590	95,0	100,5	38,0	15
7	3	5	8	64	55,1	119,3	852	107,2	129,5	59,0	13
8	3	5	8	53,5	66	119,0	1079	132,0			4
9	3	5	8	42,8	68,9	111,6	767	117,7	86,0	35	11
10	3	5	8	51,6	57,5	109,1	841	122,0	102,5	52,5	14
11	2	5	7	41,0	54,7	95,8	705	87,6	76,5	34	15
12	2	4	6	39,0	42,0	81,0	585	89,0	74,0	18,0	2
13											
14	2	1	3	27	14	41	268	72,0			3
15	3	1	4	38,3	12,7	51,0	146	42,0			7
16	3	1	4	40,2	15,2	55	150	32,3	42,5	17	14
17	3	1	4	30,1	16,5	46,6	215	41,3	47,0	17	15
18	3	1	4	37,2	16,6	53,8	270	46,5	34,5	39,5	14
19	3	1	4	37,2	11,0	48,2	271	37,0	49,5	15,5	11
20	2	1	3	39,6	1,7	41,3	336	34,3	36,0	20	9
21	2	0	2	36	0	36	199	27,0	39,0	14,5	12
22	2	0	2	33	0	33,4	168	23,3	33,0	17	13
23	2	0	2	29,5	0,0	29,5	58	12,0	13,5	5,5	14
24	1	2	3	11,0	19,8	30,8	39	8,7	15,0	8	8
25	0	2	2	0	39	39	260	26,0	37,0	21	7
26	0	2	2	0	40	40	326	32,5	35,5	26,5	13
27	1	2	3	9	41	50	334	51,0	49,0	17	9
28	1	3	4	14	46,1	59,8	446	48,5	50,0	23	9
29	2	3	5	14,1	55,7	69,8	349	34,0	45,5	23	13
30	3	3	6	40	34,2	74,5	311	46,3	52,5	21	13
31	3	3	6	37	34,8	71,4	310	58,25	47	24	17
	2,37	2,47	4,83	35,5	32,5	68,0	400,8	58,5	60,4	26,2	354

Monthly mean:

68,0

Covering:

30/31

Spotless days:

0

Observations:

354

Number of observers:

23

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; Neys J.

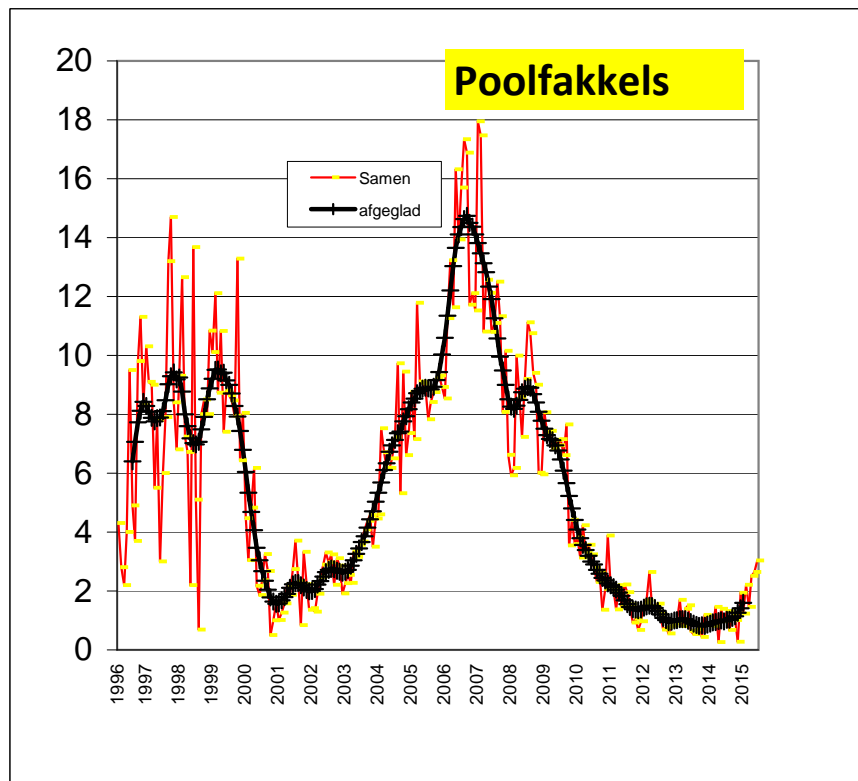
J.Claes ; R.Verboven ; F. Van Loo ; A.T.Son ; H.Coeckelberghs ; D.Van Hessche

Belgian Solar Observers

Polar Faculae

Month: July 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				0	1	4,0												
2																		
3				1	2	4,0												
4				1	1	3,0										3	5	4
5																0	3	4
6	1	4	3															
7				2	3	3,5												
8																		
9	2	3	3	0	3	4,0						0	1	3				
10	3	5	4	3	1	4,0												
11	0	4	3	1	1	3									0	2	4	
12																		
13																		
14																		
15				0	1	3,5												
16																		
17																		
18																		
19																		
20				0	1	3,5												
21												0	0	3	0	3	4	
22	2	3	4	0	3	4,0												
23	1	3	3	1	3	4,0												
24																		
25																		
26	3	0	3	0	2	3,5									2	4	4	
27																		
28																		
29	0	2	4	1	3	4,0												
30																		
31				1	3	4,0									0,0	5,0	5,0	
	1,50	3,00		0,79	2,00		####	#####		#####	#####		0,00	0,50		0,83	3,67	



N.O.A.A.	ZICHTBAAR		N.O.A.A.	MAX	MAX	classificatie								
Regio	van	tot	breedte	lengte	AREA	LENGTE	Macintosh							
12348	14-05-15	25-05-15	S11	24	0110	04	HSX	HAX	HSX					
12349	18-05-15	26-05-15	S20	359	0060	07	BXO	CAO	DAO	CSO				
12350	18-05-15	19-05-15	S16	11	0010	04	BXO	AXX						
12351	19-05-15	22-05-15	N22	334	0020	05	BXO	CSO	AXX					
12352	22-05-15	23-05-15	N05	329	0030	06	BXI	BXO						
12353	22-05-15	27-05-15	N07	341	0070	06	CRO	DAO	CAO	HRX				
12354	23-05-15	27-05-15	S21	341	0010	03	CRO	AXX						
12355	24-05-15	26-05-15	S10	273	0030	04	CAO	BXO	HAX					
12356	27-05-15	08-06-15	S16	200	0070	03	HAX	CSO	CAO	HSX				
12357	29-05-15	31-05-15	N09	200	0020	03	BXO	CRO	AXX					
12358	31-05-15	07-06-15	S03	147	0060	03	HSX	HAX	CSO	BXO	AXX			
12359	01-06-15	05-06-15	S15	208	0010	05	BXO	AXX						
12360	03-06-15	14-06-15	N15	132	0220	13	DAO	EAC	EAI	CAO				
12361	04-06-15	11-06-15	N17	105	0110	09	DAI	CAO	CSO	AXX				
12362	04-06-15	14-06-15	N06	102	0210	08	DAO	DAI	DSO	CSO	HRX			
12363	05-06-15	07-06-15	N04	170	0010	03	BXO	AXX						
12364	06-06-15	10-06-15	S05	79	0010	03	BXO	AXX						
12365	06-06-15	17-06-15	S14	80	0140	07	CSO	CAO	CSO	HSX				
12366	07-06-15	15-06-15	N17	83	0060	09	CRO	DAO	DAI	CAI	BXO	AXX		
12367	10-06-15	23-06-15	S20	2	0400	14	DRO	EKI	EKC	EHC	EKI	DAC	EAC	
12368	13-06-15	15-06-15	S06	100	0010	03	BXO	AXX						
12369	13-06-15	18-06-15	N06	352	0060	04	AXX	BXO	HSX	BXO				
12370	14-06-15	17-06-15	N17	14	0020	06	CRI	CRO	BXO	AXX				
12371	16-06-15	28-06-15	N13	302	1180	17	DSO	EKC	FKC	EKC	CAO			
12372	22-06-15	22-06-15	N20	357	0010	03	BXO							
12373	28-06-15	10-07-15	N16	143	0150	20	DSO	FSO	CAO	CSO	HSX			
12374	28-06-15	29-06-15	N09	211	0010	03	BXO	AXX						
12375	29-06-15	11-07-15	S10	126	0080	02	HSX	HAX						
12376	30-06-15	10-07-15	N13	128	0150	14	EAO	EAI	DAO	CAO	AXX			
12377	02-07-15	05-07-15	S10	192	0010	02	HRX	AXX						
12378	02-07-15	11-07-15	S17	86	0090	05	CSO	DSO	HAX	BXO	AXX			
12379	03-07-15	10-07-15	S14	97	0030	09	BXO	CRO	DRO	CRO	BXO	AXX		
12380	04-07-15	05-07-15	N09	159	0010	02	HRX	AXX						
12381	04-07-15	15-07-15	N15	74	0550	16	CRO	DAO	EKC	EKO	FKO	ESO		
12382	05-07-15	06-07-15	S05	115	0010	01	BXO	AXX						
12383	07-07-15	11-07-15	S06	85	0050	06	DRO	BXO						
12384	08-07-15	19-07-15	S18	16	0180	04	HSX	CSO	CAO	HSX				
12385	10-07-15	12-07-15	N08	104	0110	08	DRI	DAO	DAO					
12386	12-07-15	24-07-15	N11	314	0120	04	HSX							
12387	16-07-15	24-07-15	N17	274	0120	10	CAI	DAC	DAI	CSI	BXO			
12388	16-07-15	18-07-15	N08	24	0020	07	CAO	BXO						
12389	24-07-15	30-07-15	S11	166	0080	07	CAI	DAI	CRO	BXO	AXX			
12390	24-07-15	02-08-15	S16	198	0170	10	BXO	DAI	DAC	DAI	CAO	CSO		
12391	27-07-15	04-08-15	N06	117	0060	02	HSX	HAX	AXX					
12392	29-07-15	01-08-15	S04	114	0020	01	HRX	AXX						
12393	30-07-15	09-08-15	N18	99	0090	07	DAO	CAO	HAX	HSX	HRX	AXX		
12394	30-07-15	11-08-15	N12	78	0140	07	HSX	HAX	CAO	DAI	CAO	HSX		
12395	03-08-15	08-08-15	N12	28	0030	02	HSX	HAX	HRX	AXX				
12396	03-08-15	14-08-15	S17	38	0840	14	HAX	DAI	DKC	EKC	EAC	CAO		
12397	05-08-15	08-08-15	S11	102	0020	04	CRO	HAX	AXX					
12398	07-08-15	12-08-15	N15	341	0030	02	HAX	HRX	AXX					
12399	11-08-15	12-08-15	S16	347	0010	03	BXO							
12400	11-08-15	16-08-15	N17	313	0050	05	BXO	DAO	CAO	AXX				
12401	13-08-15	21-08-15	S10	270	0070	09	BXO	CAI	DAI	CSO	DAI	DAO	HRX	
12402	18-08-15	18-08-15	N05	293	0010	01	AXX							