

Newsletter Belgian Solar Observers

Results and news from solar observers

Volume 21

Number 239

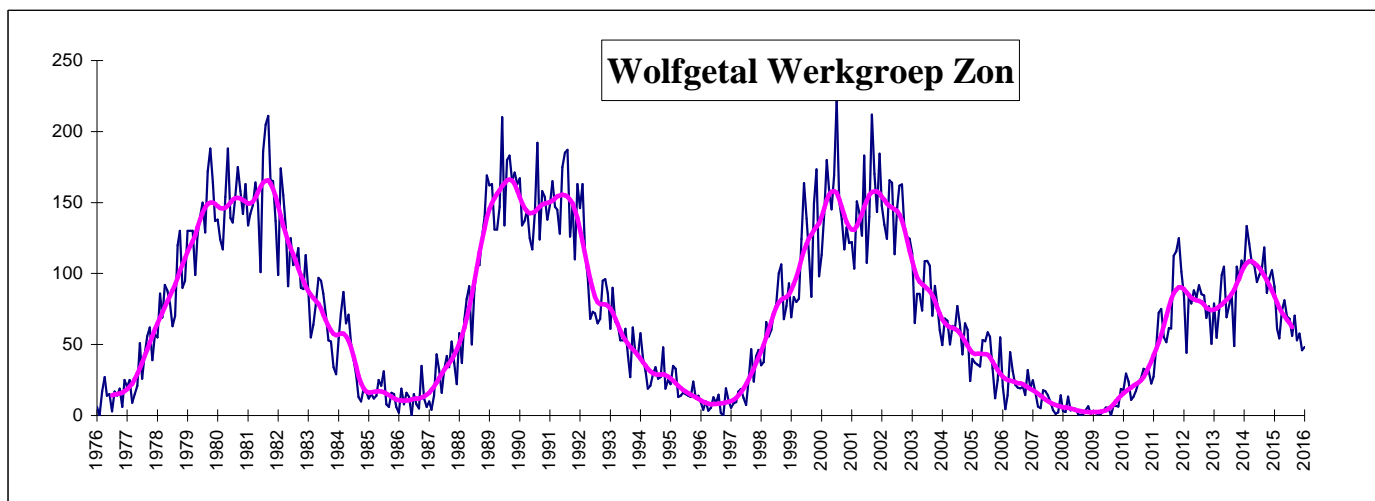
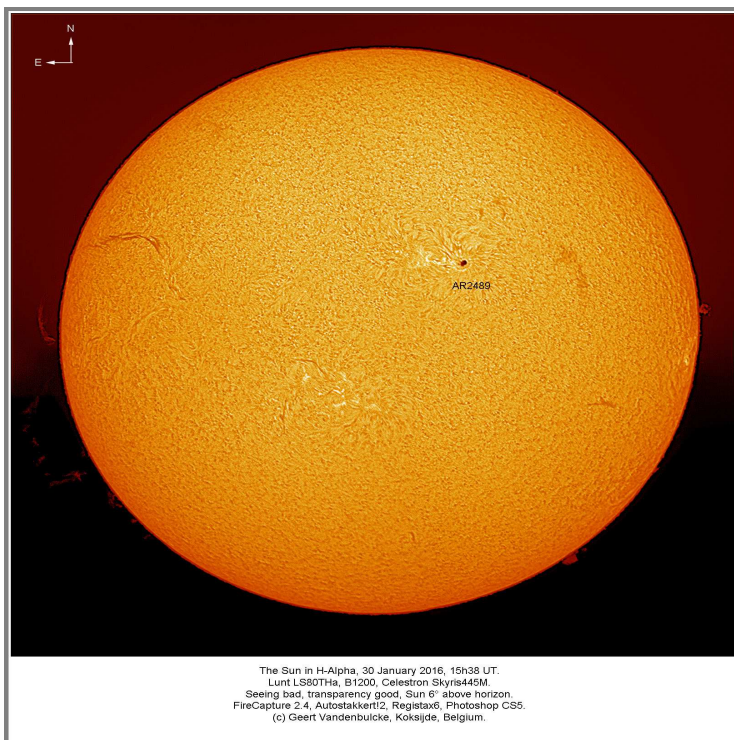
January 2016

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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 January 2016 observations

| | | | | | | |
|------------------|--------------|------|-------------------|------|---------------|-------|
| <u>Groups</u> : | N | 2,48 | <u>Wolfnumb</u> N | 32,9 | <u>Beck</u> : | 227,3 |
| | S | 1,30 | S | 15,3 | <u>CV</u> | 36,2 |
| | N+S | 3,78 | N+S | 48,2 | <u>SN</u> | 42,5 |
| 230 observations | 24 observers | | | | <u>IS</u> | 15,6 |

Sunspotnumbers VVS Belgium

Month: January 2016

| Day | GROUPS | | | WOLFNUMBER | | | RE' | CV | SN | IS | OBS |
|-----|--------|------|------|------------|------|------|-------|------|------|------|-----|
| | N | S | N+S | N | S | N+S | | | | | |
| 1 | 1 | 2 | 3 | 4,6 | 21,0 | 26 | 168 | 25,6 | 35,5 | 13,0 | 12 |
| 2 | 1 | 2 | 3 | 12,0 | 22,8 | 34,9 | 101 | 21,3 | 25,0 | 7,0 | 8 |
| 3 | 1 | 1 | 2 | 12,2 | 21,1 | 33,3 | 112 | 18,0 | | | 4 |
| 4 | 3 | 2 | 5 | 37,8 | 30,6 | 68,4 | 135 | 23,3 | 34,5 | 19,0 | 5 |
| 5 | 1 | 1 | 2 | 13,5 | 17,8 | 31,3 | 55 | 12,5 | 14,5 | 6,0 | 3 |
| 6 | 2 | 1 | 3 | 20,7 | 5,4 | 26,1 | 79 | 19,3 | 21,0 | 2,0 | 8 |
| 7 | 2 | 1 | 3 | 27,0 | 13,0 | 40,0 | 202 | 37,0 | | | 1 |
| 8 | 4 | 2 | 6 | 52,9 | 19 | 71,8 | 377 | 58,8 | 70,0 | 24,0 | 17 |
| 9 | 4 | 2 | 6 | 44,8 | 30,6 | 75,3 | 204 | 62,0 | | | 6 |
| 10 | 4 | 2 | 6 | 57,4 | 12,5 | 69,9 | 351 | 57,6 | 68,5 | 24,0 | 19 |
| 11 | 3 | 1 | 4 | 31,0 | 8,0 | 39,0 | 215 | 29,0 | 31,0 | 5,0 | 2 |
| 12 | 2 | 1 | 3 | 29,8 | 8,4 | 38,2 | 170 | 43,8 | 35,0 | 12,5 | 11 |
| 13 | 3 | 0 | 3 | 33,8 | 0 | 33,8 | 127 | 32,0 | 32,5 | 8,0 | 8 |
| 14 | 3 | 0 | 3 | 43 | 0 | 43 | 155 | 25,3 | 26,0 | 10,0 | 9 |
| 15 | 3 | 0 | 3 | 41,0 | 0,0 | 41,0 | 209 | 23,0 | 29,0 | | 1 |
| 16 | 3 | 0 | 3 | 39,0 | 0,0 | 39 | 160 | 25,7 | 32,3 | 10,5 | 16 |
| 17 | 4 | 2 | 6 | 39,7 | 12,4 | 52,1 | 148 | 33,5 | 40,3 | 13,0 | 18 |
| 18 | 3 | 1 | 4 | 25,4 | 12,8 | 38,1 | 164 | 23,0 | | | 7 |
| 19 | 4 | 2 | 6 | 31,1 | 20,2 | 51,3 | 129 | 20,7 | 28,3 | 17,0 | 15 |
| 20 | | | | | | | | | | | |
| 21 | 1 | 2 | 3 | 20 | 34 | 54 | 451 | 43,8 | 64,0 | 24,0 | 12 |
| 22 | 1 | 2 | 3 | 27 | 20 | 46,8 | 334 | 49,5 | 78,0 | 21,0 | 4 |
| 23 | 1 | 2 | 3 | 25,3 | 29,0 | 54,3 | 310 | 25,8 | 48,3 | 28,5 | 4 |
| 24 | 3 | 0 | 3 | 41,0 | 0 | 41,0 | 110 | | | | 1 |
| 25 | 2 | 2 | 4 | 37 | 17 | 54 | 327 | 51,2 | 58,3 | 20,5 | 19 |
| 26 | 2 | 2 | 4 | 39 | 21 | 59 | 264 | 40,3 | 45,7 | 25,5 | 7 |
| 27 | | | | | | | | | | | |
| 28 | 3 | 1 | 4 | 45,2 | 19,1 | 64,3 | 666 | 72,7 | 56,0 | | 12 |
| 29 | 3 | 1 | 4 | 60,0 | 18,0 | 78,0 | 416 | 64,0 | 62,0 | 42,0 | 1 |
| 30 | | | | | | | | | | | |
| 31 | | | | | | | | | | | |
| | 2,48 | 1,30 | 3,78 | 32,9 | 15,3 | 48,3 | 227,3 | 36,1 | 42,5 | 16,6 | 230 |

Monthly mean:

48,3

Covering:

27/30

Spotless days:

0

Observations:

230

Number of observers:

24

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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 ; 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: January 2016

| 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 | 4 |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | 0 | 2 | 3,5 | | | | 1 | 2 | 4 | 3 | 0 | 3 | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | 2 | 1 | 4 | | | | 0 | 3 | 3 |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | 1 | 9 | 3 | | | | | | | 5 | 7 | 2 | | | | | | |
| 13 | 0 | 7 | 4 | | | | | | | | | | | | | | | |
| 14 | 2 | 6 | 3 | 1 | 4 | 3,5 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | 3 | 11 | 3 | 0 | 3 | 3,0 | | | | 3 | 5 | 3 | | | | 1 | 6 | 4 |
| 17 | 4 | 7 | 3 | 0 | 2 | 3,5 | | | | 3 | 7 | 3 | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | |
| 19 | 2 | 8 | 4 | | | | | | | 3 | 8 | 3 | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | |
| 21 | 2 | 7 | 3 | 1 | 2 | 3,5 | | | | | | | | | | | | |
| 22 | | | | | | | | | | 2 | 5 | 1 | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | 2 | 6 | 2 | | | | | | |
| 26 | 1 | 9 | 3 | 0 | 2 | 3,5 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | |
| 28 | | | | 0 | 3 | 3,5 | | | | | | | | | | | | |
| 29 | 0 | 5 | 3 | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| | 1,67 | 7,67 | | 0,29 | 2,57 | | #### | ##### | | 2,6 | 5,1 | | 3,00 | 0,00 | | 0,33 | 4,33 | |

