

Newsletter Belgian Solar Observers

Results and news for solar observers

Volume 10

Number 117

November 2005

Franky Dubois Poelkapellestraat 39 langemark 8920

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Content Newsletter

Graphics and relative number for this month

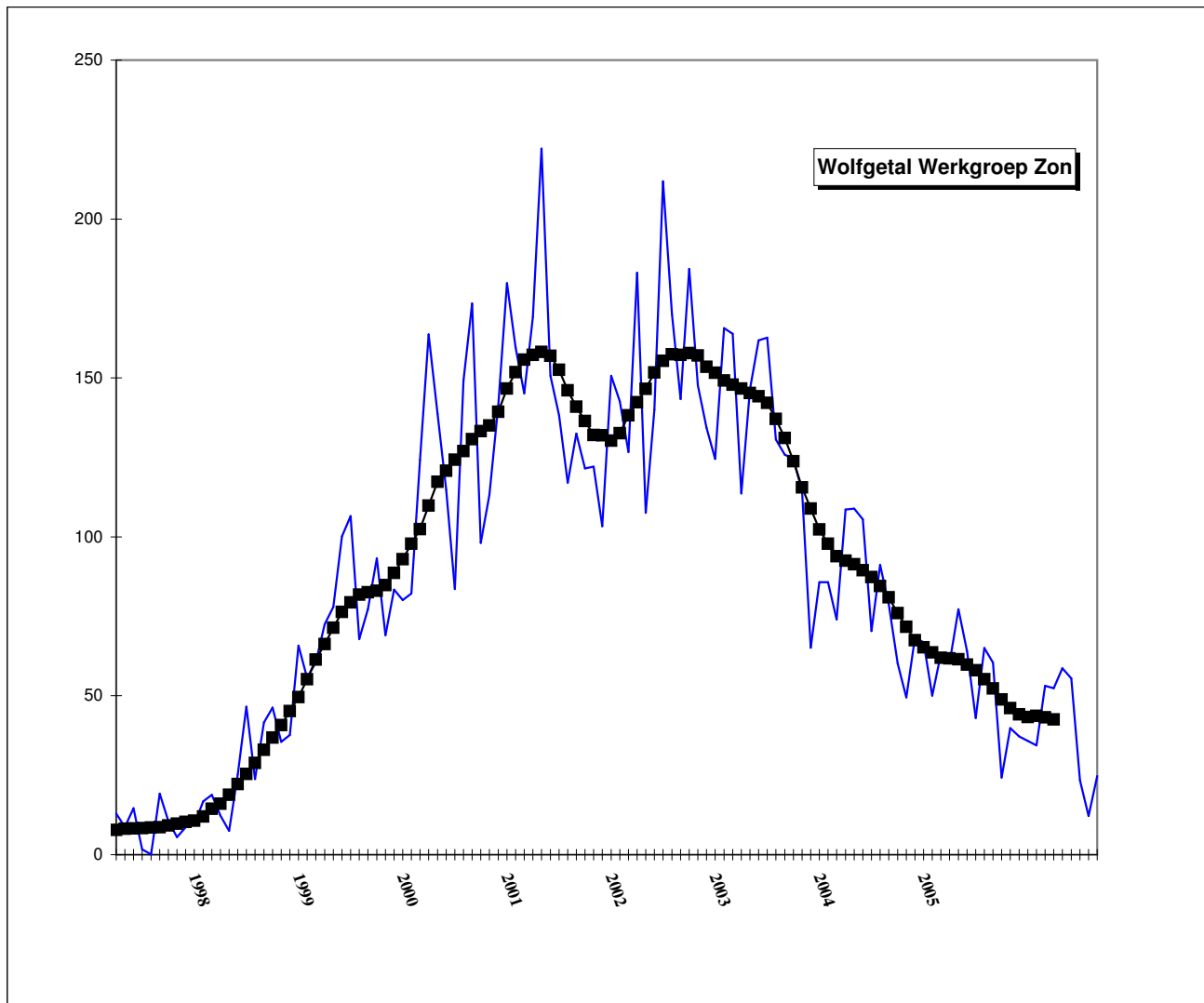
Daily Wolfnumbers by the members

Monthly report

Polar faculae and CV numbers

Prominence numbers by the members

Photo album and drawings



Mean of november observations

| | | | | | | |
|----------|-----|------|------------|------|--------|------|
| Groups : | N | 0,07 | Wolfnumb N | 0,4 | Beck : | 239 |
| | S | 1,48 | S | 24,3 | CV | 25,8 |
| | N+S | 1,55 | N+S | 24,7 | | |

253 observations 22 observers

Sunspotnumbers VVS Belgium

Month: **November 2005**

| Day | GROUPS | | | WOLFNUMBER | | | RE' | CV | OBS |
|-----|-------------|-------------|-------------|------------|-------------|-------------|--------------|-------------|------------|
| | N | S | N+S | N | S | N+S | | | |
| 1 | 0 | 1 | 1 | 0 | 24,4 | 24,4 | 128 | 10 | 12 |
| 2 | 0 | 1 | 1 | 0 | 21,3 | 21,3 | 41 | 3 | 4 |
| 3 | 0 | 1 | 1 | 0 | 13,4 | 13,4 | 22 | 5 | 16 |
| 4 | 0 | 1 | 1 | 0 | 9,4 | 9,4 | 7 | 1 | 5 |
| 5 | 0 | 2 | 2 | 0 | 22 | 22,0 | 63 | 15 | 13 |
| 6 | 0 | 2 | 2 | 0 | 21,6 | 21,6 | 144 | 19 | 17 |
| 7 | 0 | 2 | 2 | 0 | 28,8 | 28,8 | 159 | 18 | 12 |
| 8 | 0 | 1 | 1 | 0 | 12 | 12,0 | 27 | 8 | 14 |
| 9 | 0 | 1 | 1 | 0 | 8 | 8,0 | 2 | 1 | 3 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 12 | 0 | 1 | 1 | 0 | 11 | 11,0 | 37 | 7 | 1 |
| 13 | 0 | 1 | 1 | 0 | 17,9 | 17,9 | 138 | 40 | 16 |
| 14 | 0 | 1 | 1 | 0 | 26,9 | 26,9 | 426 | 52 | 11 |
| 15 | | | | | | | | | |
| 16 | 0 | 1 | 1 | 0 | 35,1 | 35,1 | 716 | 55 | 12 |
| 17 | 1 | 1 | 2 | 3,1 | 41 | 44,1 | 975 | 57 | 13 |
| 18 | 0 | 1 | 1 | 0 | 39,4 | 39,4 | 994 | 55 | 17 |
| 19 | 0 | 2 | 2 | 0 | 39 | 39,0 | 801 | 54 | 11 |
| 20 | 0 | 3 | 3 | 0 | 47,7 | 47,7 | 518 | 63 | 7 |
| 21 | 0 | 2 | 2 | 0 | 33,9 | 33,9 | 393 | 76 | 8 |
| 22 | 0 | 2 | 2 | 0 | 39,8 | 39,8 | 409 | 72 | 12 |
| 23 | 0 | 2 | 2 | 0 | 35,2 | 35 | 233 | | 6 |
| 24 | 0 | 3 | 3 | 0 | 34 | 34,0 | | | 1 |
| 25 | 0 | 2 | 2 | 0 | 22 | 22 | 69 | 12 | 4 |
| 26 | 0 | 2 | 2 | 0 | 19,5 | 20 | 48 | 13 | 2 |
| 27 | 0 | 1 | 1 | 0 | 13,7 | 14 | 40 | 11 | 6 |
| 28 | 0 | 2 | 2 | 0 | 23,2 | 23 | 55 | 12 | 5 |
| 29 | 0 | 2 | 2 | 0 | 29 | 29 | 51 | 12 | 4 |
| 30 | 1 | 2 | 3 | 8,2 | 36,1 | 44,3 | 191 | 25 | 9 |
| | 0,07 | 1,48 | 1,55 | 0,4 | 24,3 | 24,7 | 238,8 | 25,8 | 253 |

Monthly mean: **24,3** Covering: **29/30** Spotless days: **2**
 Observations: **253** Number of observers: **22**

V.V.S. BELGIUM SOLAR SECTION FRANKY DUBOIS

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 Belgium
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Observers:

**Devriese ; De Ceuninck ; Janssens ; Publ obs Mira
 De Backer ; Dubois ; Gysel ; Kleber ; Deman ; Taillieu
 Meeus ; Steen ; KSB ; Gabriel ; Claeys ; Gadyne
 Claes ; Verboven ; Van Loo ; Son ; Carels ; Coeckelberghs**

Belgian Solar Observers

Polar Faculae

Month: november 2005

| Date | Dubois | | | Steen | | | Deman | | | Gabriel | | | Carels | | | Janssen | | |
|------|--------|-------|---|-------|-------|-----|-------|-------|---|---------|-------|---|--------|-------|---|---------|-------|---|
| | North | South | Q | North | South | Q | North | South | Q | North | South | Q | North | South | Q | North | South | Q |
| 1 | 7 | 2 | 3 | 8 | 3 | 3,5 | | | | | | | | | | 12 | 4 | 4 |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | 13 | 7 | 3 | | | | 1 | 1 | | | | | | | | | | |
| 4 | 5 | 1 | 3 | 4 | 3 | 3,5 | | | | | | | | | | | | |
| 5 | | | | 5 | 2 | 3,0 | | | | | | | 2 | 1 | 3 | | | |
| 6 | | | | 4 | 4 | 3,0 | | | | | | | | | | 8 | 4 | 3 |
| 7 | 8 | 2 | 3 | 5 | 2 | 3,5 | 15 | 2 | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | 3 |
| 12 | | | | | | | | | | | | | | | | | | |
| 13 | 5 | 2 | 2 | | | | 18 | 5 | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | 6 | 5 | 3 | | | | | | | | | | | | | | | |
| 17 | 10 | 3 | 4 | 4 | 3 | 3,5 | | | | | | | | | | | | |
| 18 | | | | 5 | 4 | 3,5 | 9 | 3 | | | | | | | | | | |
| 19 | 6 | 3 | 3 | 6 | 3 | 3,5 | 16 | 7 | | | | | | | | 9 | 7 | 3 |
| 20 | 8 | 3 | 3 | 4 | 2 | 3,0 | 10 | 4 | | | | | | | | | | |
| 21 | 9 | 6 | 3 | 6 | 3 | 3,5 | 0 | 0 | | | | | | | | | | |
| 22 | 6 | 3 | 3 | 4 | 3 | 3,5 | 17 | 3 | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | |
| 27 | | | | 5 | 4 | 3,0 | | | | | | | | | | | | |
| 28 | | | | 3 | 2 | 3,5 | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | 11 | 6 | 4 | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| | 7,83 | 3,58 | | 4,85 | 2,92 | | 10,75 | 3,13 | | ##### | ##### | | 2,00 | 1,00 | | 9,67 | 5,00 | |

Cv numbers in november 2005

| Dag | Steen | Dubois | Janssens | Meeus | Dag | Steen | Dubois | Janssens | Meeus |
|-----|-------|--------|----------|-------|-----|-------|--------|----------|-------|
| 1 | 17 | 6 | 6 | | 16 | 57 | 54 | | 54 |
| 2 | 3 | 2 | | | 17 | 58 | 56 | | |
| 3 | 4 | 3 | | 7 | 18 | 57 | 54 | | 54 |
| 4 | 1 | 1 | | | 19 | 48 | 54 | 56 | 56 |
| 5 | 23 | | | | 20 | 60 | 66 | | |
| 6 | 22 | 17 | 16 | 19 | 21 | 75 | 76 | | |
| 7 | 23 | 7 | | 25 | 22 | 62 | 79 | | 76 |
| 8 | | 7 | | 8 | 23 | | | | |
| 9 | | 1 | | | 24 | | | | |
| 10 | | | | 0 | 25 | 12 | 12 | | |
| 11 | | | | | 26 | 13 | | | |
| 12 | | 7 | | | 27 | 11 | 11 | | |
| 13 | | 55 | | 46 | 28 | 11 | | | 13 |
| 14 | 54 | 56 | | 47 | 29 | 12 | | | |
| 15 | | | | | 30 | 24 | 25 | | |
| | | | | | 31 | | | | |

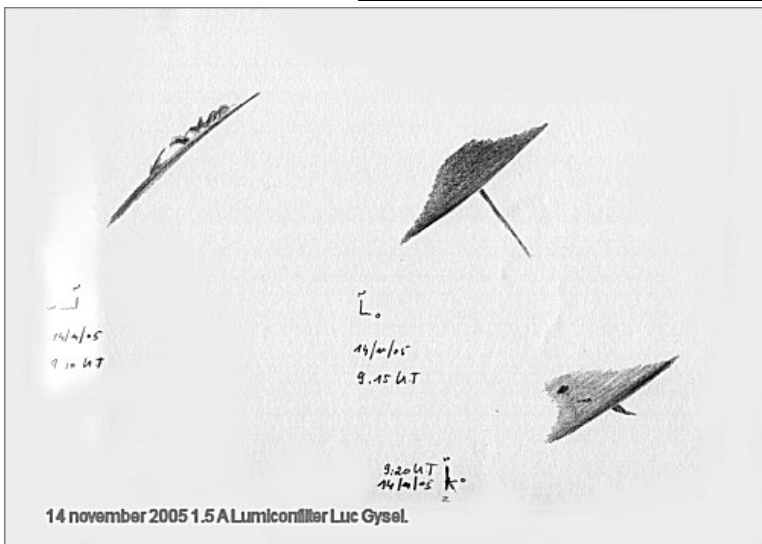
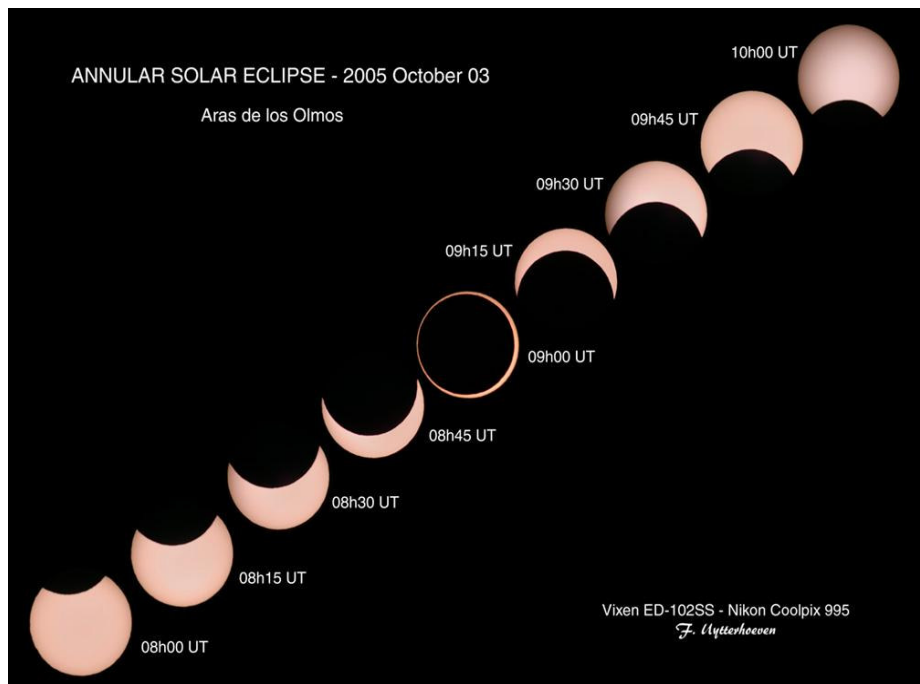
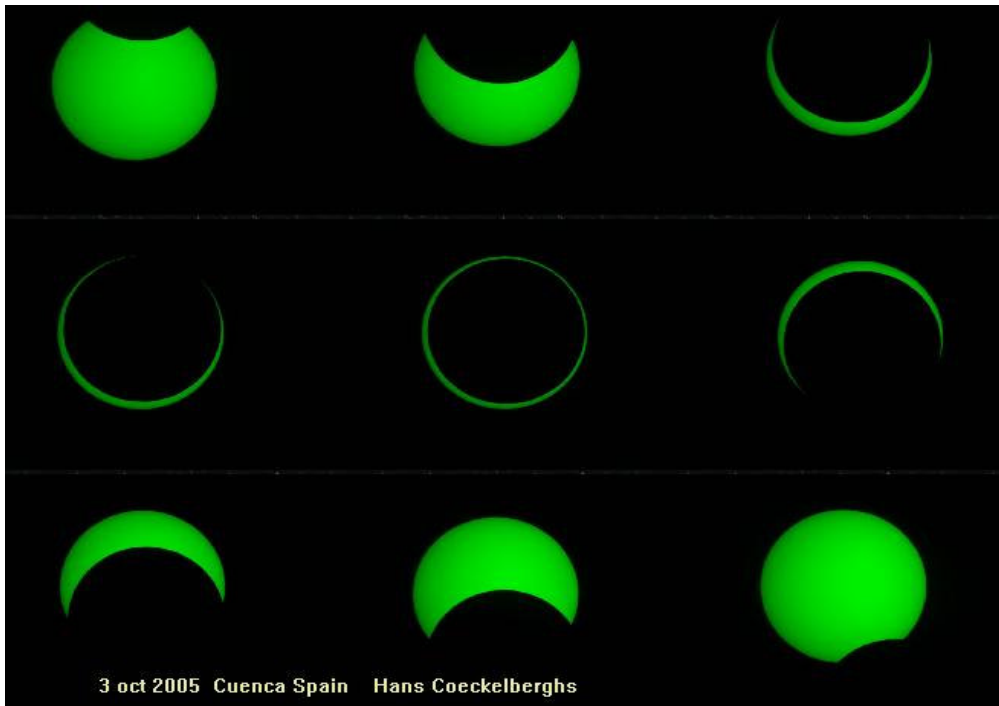
VVS Belgian Solar Observers Prominence number

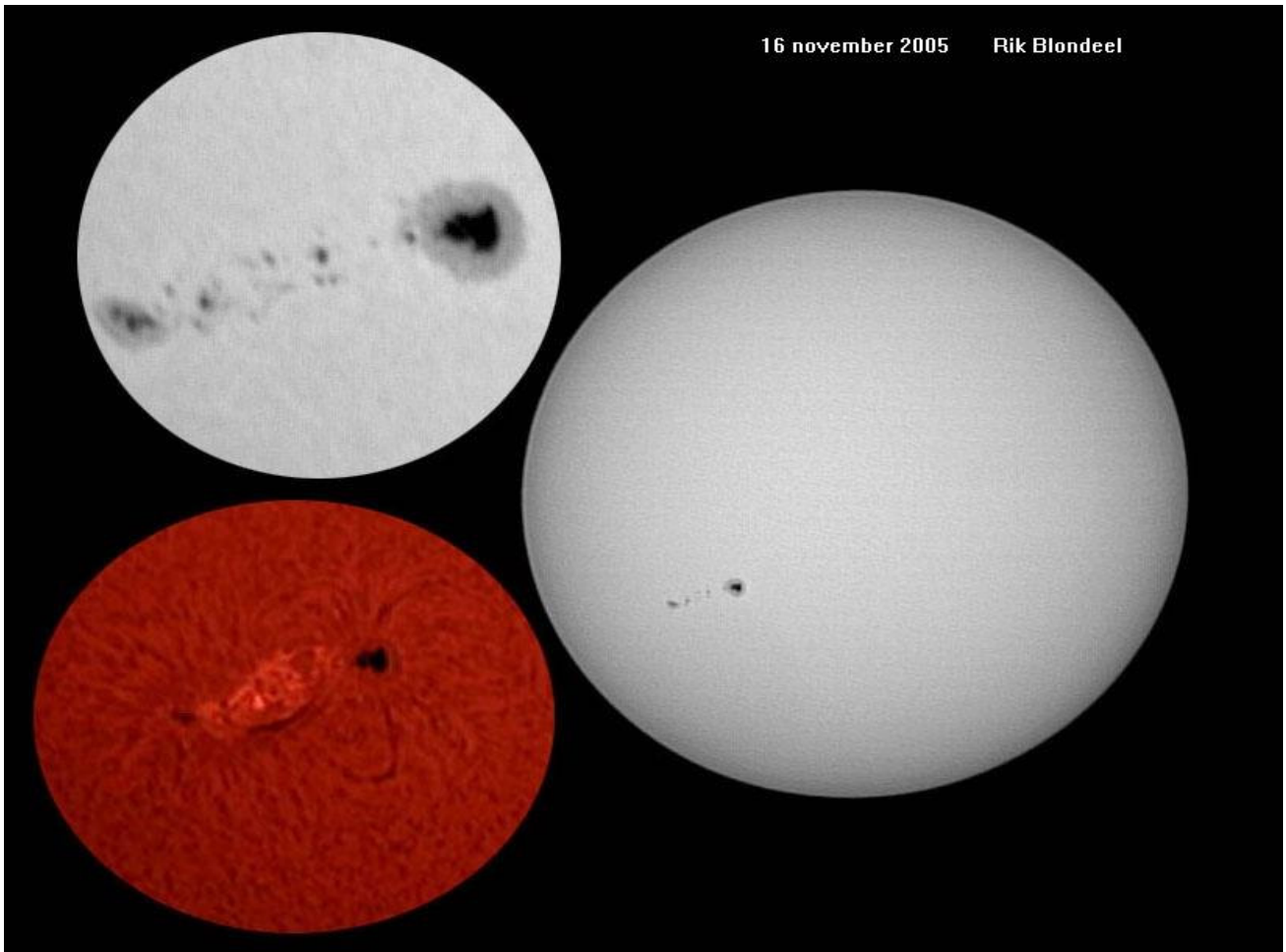
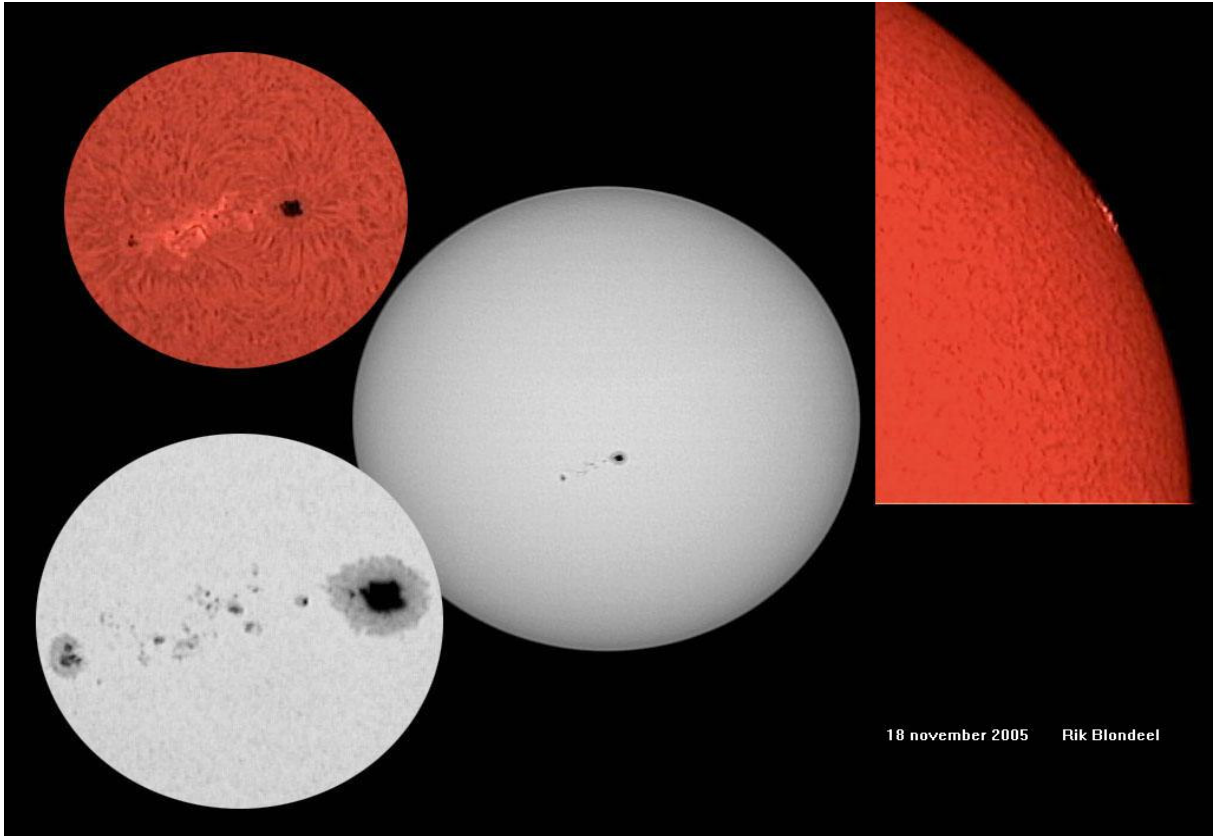
Month : November 2005

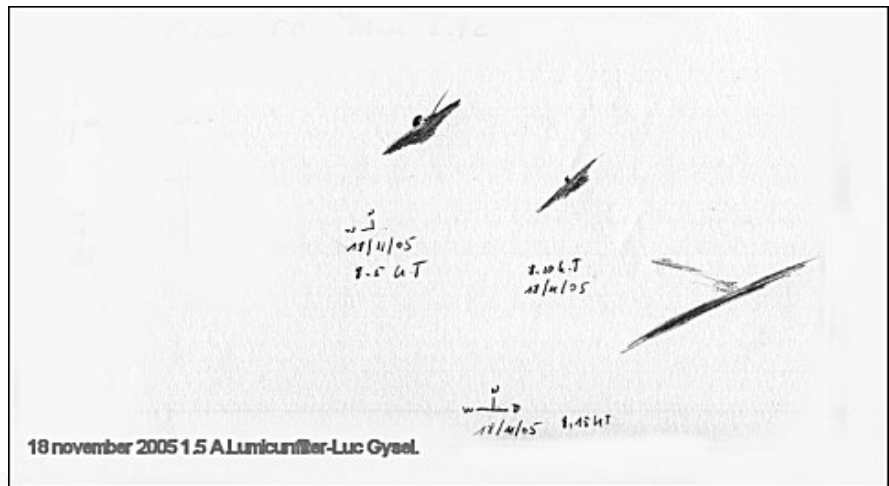
| Day | J. Janssens | | | | | | F. Dubois | | | | | | E. De Ceunick | | | | | | L. Meeus | | | | | |
|-----|-------------|-------|------|------|-------|-----|-----------|-----|-------|-------|-------|-----|---------------|-------|-------|-----|------|-----|----------|-----|-----|-----|------|-----|
| | time | Q | W | H | e | PST | time | Q | W | H | e | PST | time | Q | W | H | e | PST | time | Q | W | H | e | PST |
| 1 | 9,30 | 3,5 | 2,5 | 8 | 16 | 96 | | | | | | | 11,00 | 2 | 2,5 | 7 | 10 | 80 | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | 9,00 | 1 | 3 | 3 | 3 | 33 | | | | | | |
| 4 | | | | | | | | | | | | | 13,15 | 2 | 2 | 3 | 4 | 34 | | | | | | |
| 5 | | | | | | | | | | | | | 12,45 | 1 | 2,5 | 5 | 6 | 56 | | | | | | |
| 6 | 8,35 | 3 | 3 | 4 | 10 | 50 | 10,52 | 2 | 3 | 4 | 6 | 46 | 9,00 | 1 | 2,5 | 4 | 5 | 45 | | | | | | |
| 7 | | | | | | | 9,16 | 3 | 2 | 7 | 13 | 83 | 9,30 | 3 | 2 | 7 | 15 | 85 | | | | | | |
| 8 | | | | | | | | | | | | | 11,30 | 2 | 2 | 6 | 7 | 67 | 10,20 | 2 | 3 | 8 | 10 | 90 |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 9,10 | 2,5 | 3 | 6 | 5 | 65 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | 10,31 | 2,5 | 3 | 7 | 9 | 79 | 9,30 | 2 | 2 | 7 | 13 | 83 | 12,10 | 3 | 3 | 6 | 10 | 70 |
| 14 | | | | | | | 12,45 | 2 | 3 | 6 | 10 | 70 | 10,25 | 2 | 3 | 5 | 8 | 58 | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | 10,05 | 2,5 | 2,5 | 2 | 5 | 25 | 10,10 | 2 | 2 | 4 | 6 | 46 | | | | | | |
| 17 | | | | | | | 12,56 | 2 | 2 | 4 | 4 | 44 | 9,30 | 3 | 2 | 4 | 4 | 44 | | | | | | |
| 18 | | | | | | | 14,40 | 3,5 | 3 | 4 | 4 | 44 | 10,00 | 2 | 2,5 | 2 | 3 | 23 | 10,10 | 3 | 2 | 5 | 8 | 58 |
| 19 | 9,30 | 3 | 3 | 3 | 4 | 34 | 9,51 | 2 | 3 | 1 | 1 | 11 | 10,30 | 3 | 2 | 3 | 4 | 34 | 12,05 | 2 | 3 | 2 | 5 | 25 |
| 20 | | | | | | | 14,45 | 3 | 2,5 | 5 | 5 | 55 | 11,00 | 2 | 3 | 4 | 4 | 44 | | | | | | |
| 21 | | | | | | | 9,31 | 2,5 | 2,5 | 8 | 13 | 93 | 10,00 | 2 | 2 | 6 | 13 | 73 | | | | | | |
| 22 | | | | | | | 10,28 | 3,5 | 2 | 5 | 8 | 58 | 10,00 | 2 | 2,5 | 6 | 12 | 72 | 10,20 | 2 | 3 | 6 | 12 | 72 |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | 9,30 | 1 | 3 | 5 | 10 | 60 | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | 10,04 | 2 | 3 | 6 | 6 | 66 | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | 10,10 | 3,5 | 2 | 8 | 10 | 90 | 9,30 | 2 | 2,5 | 6 | 9 | 69 | 12,45 | 3 | 3 | 6 | 14 | 74 |
| 30 | | | | | | | | | | | | | 10,00 | 2 | 2 | 11 | 14 | 124 | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 3 | 2,875 | 5,25 | 8,75 | 61,25 | 13 | 2,6 | 2,6 | 5,154 | 7,231 | 58,77 | 19 | 1,947 | 2,368 | 5,158 | 7,9 | 59,5 | 6 | 2,5 | 2,8 | 5,5 | 9,8 | 64,8 | |

| Day | O. Steen | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|-----|--|
| | time | Q | W | H | e | PST | time | Q | W | H | e | PST | time | Q | W | H | e | PST | time | Q | W | H | e | PST | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 13,50 | 3,5 | 2 | 5 | 10 | 60 | | | | | | | | | | | | | | | | | | | |
| 19 | 13,10 | 3,5 | 2,5 | 4 | 9 | 49 | | | | | | | | | | | | | | | | | | | |
| 20 | 13,45 | 3 | 2 | 5 | 7 | 57 | | | | | | | | | | | | | | | | | | | |
| 21 | 9,45 | 3 | 2 | 10 | 14 | 114 | | | | | | | | | | | | | | | | | | | |
| 22 | 9,45 | 3 | 2,5 | 6 | 9 | 69 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 9,20 | 2,5 | 3 | 6 | 11 | 71 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 9,00 | 3 | 2,5 | 8 | 12 | 92 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 8,40 | 2,5 | 2,5 | 5 | 10 | 60 | | | | | | | | | | | | | | | | | | | |
| 30 | 9,00 | 3 | 2,5 | 9 | 14 | 104 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 3 | 2,389 | 6,444 | 10,67 | 75,11 | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | | | |

Time : Beginning of observation
Q : Seeing scale SIDC
W : transparency scale of Wedel , see <http://members.chello.be/j.janssens/>
H : number of prominence groups at the limb
e : total of individual prominences at the limb
Rp : H*10+e
 More info at : <http://members.chello.be/j.janssens/>







NOAA 0822

