

Monthly Preliminary Report

MPR



Kjell Inge Malde, Director/Editor
 Børeholen 20, N-4085 Hundvaag NORWAY

Web: <http://www.cv-helios.net>
 Email: cvhelios@gmail.com

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CV-Helios Network

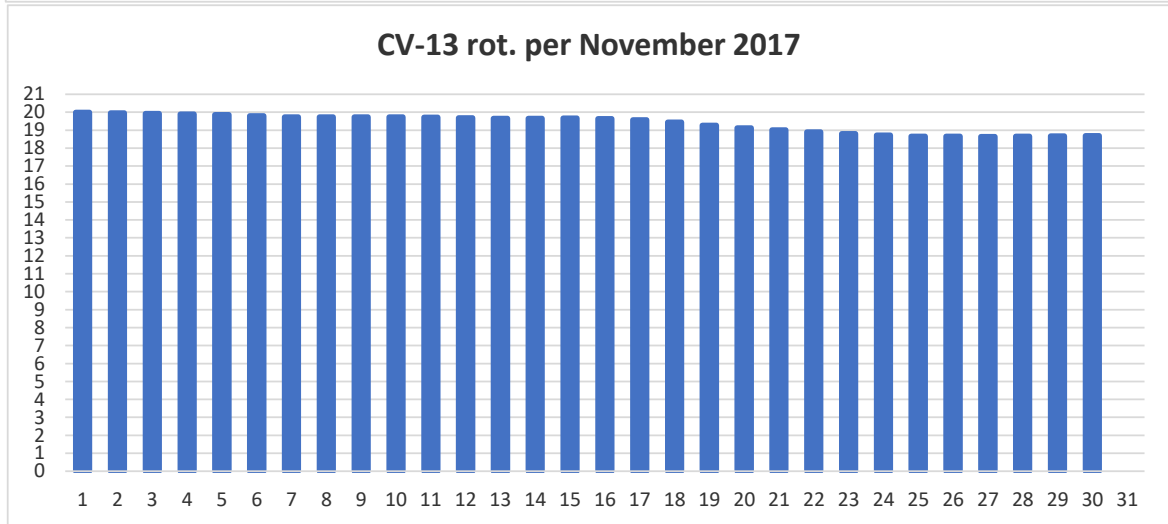
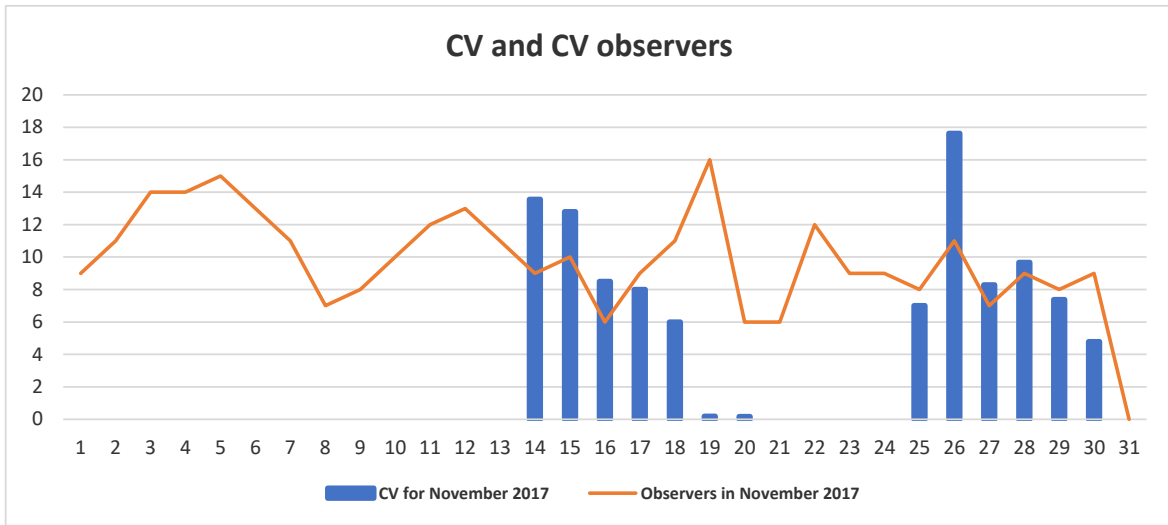
Monthly Preliminary Report for November 2017

Solar Cycle 24: Month no. 109

Report id.: cv1711.xls - CV-report no.: 436

| Memno. | Name | Country | CV | Obs | K | Obs. Tot. |
|--------|--------------------|----------------|------|-----|-------|-----------|
| CV-001 | MALDE, KJELL INGEB | NORWAY | 2,7 | 13 | 0,547 | 7893 |
| CV-010 | DUBOIS, FRANKY | BELGIUM | 2,4 | 23 | 0,620 | 7043 |
| CV-019 | JUNKER, ELMAR | GERMANY | 3,6 | 5 | 0,852 | 3189 |
| CV-020 | HOLL, MANFRED | GERMANY | 0,8 | 14 | 0,294 | 4913 |
| CV-022 | VIERTEL, ANDREAS | GERMANY | 9,3 | 3 | 1,033 | 5207 |
| CV-023 | BRETSCHNEIDER, HAR | GERMANY | 3,5 | 8 | 0,794 | 4515 |
| CV-038 | MORALES, GERMAN | BOLIVIA | 4,4 | 28 | 1,169 | 6365 |
| CV-040 | BATTAIOLA, ROBERTO | ITALY | 6,3 | 4 | 2,083 | 1676 |
| CV-068 | THIMM, SVEN OVE | DENMARK | 3,0 | 8 | 0,740 | 3426 |
| CV-077 | JOHNSTON, ANDREW | UNITED KINGDOM | 2,0 | 9 | 0,696 | 2516 |
| CV-080 | JANSSENS, JAN | BELGIUM | 0,0 | 4 | | 910 |
| CV-082 | URBANSKI, PIOTR | POLAND | 1,7 | 7 | 2,317 | 4176 |
| CV-086 | TOS-POLAND | POLAND | 3,2 | 30 | 0,880 | 6595 |
| CV-091 | DALEK, GRZEGORZ | POLAND | 2,2 | 12 | 0,576 | 3574 |
| CV-103 | STEEN, OCTAAF | BELGIUM | 3,6 | 25 | 0,873 | 4558 |
| CV-104 | MEEUS, LIEVE | BELGIUM | 1,6 | 7 | 1,138 | 2108 |
| CV-105 | RYBACK, ALEXEY | RUSSIA | 3,3 | 4 | 5,997 | 2659 |
| CV-122 | FEIK, VLASTISLAV | CZECH REPUBLIC | 4,6 | 7 | 0,784 | 1960 |
| CV-135 | ARAUJO, GEMA | SPAIN | 3,8 | 29 | 1,459 | 5414 |
| CV-139 | ALONSO, JAVIER | SPAIN | 4,0 | 23 | 0,863 | 2887 |
| CV-151 | CARELS, JEFFREY | BELGIUM | 1,8 | 14 | 0,614 | 2050 |
| CV-202 | ZAMORA, JORDI | SPAIN | 2,6 | 26 | 0,702 | 384 |
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| | | | | | | |
| Totals | Observers | Days | CV | No | K | |
| | 22 | 30 | 3,19 | 303 | 1,192 | |

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|---------------------|-------------|-------------|---------------|----------------|--------------|--------------|
| Results | | | | | | |
| Date | CV | Obsrvrs | USAF | std.dev. | CV-6 rot. | CV-13 rot. |
| 1 | 0,00 | 9 | | | 24,17 | 19,99 |
| 2 | 0,00 | 11 | | | 24,13 | 19,96 |
| 3 | 0,00 | 14 | | | 24,06 | 19,93 |
| 4 | 0,00 | 14 | | | 23,99 | 19,90 |
| 5 | 0,00 | 15 | | | 23,90 | 19,85 |
| 6 | 0,00 | 13 | | | 23,80 | 19,80 |
| 7 | 0,00 | 11 | | | 23,73 | 19,74 |
| 8 | 0,00 | 7 | | | 23,66 | 19,73 |
| 9 | 0,00 | 8 | | | 23,55 | 19,73 |
| 10 | 0,00 | 10 | | | 23,43 | 19,73 |
| 11 | 0,00 | 12 | | | 23,29 | 19,72 |
| 12 | 0,00 | 13 | | | 23,14 | 19,69 |
| 13 | 0,00 | 11 | | | 23,05 | 19,66 |
| 14 | 13,56 | 9 | 6,41 | 5,05 | 23,13 | 19,66 |
| 15 | 12,80 | 10 | 5,92 | 4,87 | 23,21 | 19,66 |
| 16 | 8,50 | 6 | 3,30 | 3,68 | 23,17 | 19,63 |
| 17 | 8,00 | 9 | 3,02 | 3,52 | 23,09 | 19,57 |
| 18 | 6,00 | 11 | 1,95 | 2,86 | 22,98 | 19,44 |
| 19 | 0,19 | 16 | | 0,17 | 22,85 | 19,27 |
| 20 | 0,17 | 6 | | 0,16 | 22,76 | 19,13 |
| 21 | 0,00 | 6 | | | 22,70 | 19,01 |
| 22 | 0,00 | 12 | | | 22,66 | 18,90 |
| 23 | 0,00 | 9 | | | 22,64 | 18,81 |
| 24 | 0,00 | 9 | | | 22,64 | 18,72 |
| 25 | 7,00 | 8 | 2,47 | 3,20 | 22,68 | 18,66 |
| 26 | 17,64 | 11 | 9,18 | 5,98 | 22,79 | 18,66 |
| 27 | 8,29 | 7 | 3,18 | 3,61 | 22,83 | 18,64 |
| 28 | 9,67 | 9 | 3,98 | 4,02 | 22,85 | 18,65 |
| 29 | 7,38 | 8 | 2,67 | 3,33 | 22,81 | 18,67 |
| 30 | 4,78 | 9 | 1,36 | 2,42 | 22,70 | 18,68 |
| 31 | | | | | | |
| Totals/ Avrgs | 3,47 | 10,1 | 3,33 | 3,30 | 23,21 | 19,37 |



Solar Region Summary for November 2017

Reg.-First day-Last day-Lat.-Lon.-Rot.-Area-Lgth.-CVtot.-class14d
 2686-24.10.17-01.11.17-N12-108-2196-30-2-5,0-HAX-HAX-HSX-HRX-HAX-HRX-HRX-AXX-AXX
 2687-15.11.17-19.11.17-S08-181-2197-50-7-7,0-CAO-CAO-CAO-HAX-HRX
 2688-18.11.17-18.11.17-N11-238-2197-10-4-2,0-BXO
 2689-26.11.17-01.12.17-N13-108-2197-20-5-8,2-CSO-CAO-CSO-CAO-HAX-HRX

:Product: Weekly Highlights and Forecasts

:Issued: 2017 Dec 11 0147 UTC
 # Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center
 # Product description and SWPC contact on the Web
 # <http://www.swpc.noaa.gov/weekly.html>
 #
 # Weekly Highlights and Forecasts
 #
 Highlights of Solar and Geomagnetic Activity
 04 - 10 December 2017

Solar activity was at very low levels. Regions 2690 (N07, L=332, class/area Bxo/010 on 06 Dec) and 2691 (S03, L=221, class/area Axx/010 on 10 dec) were both relatively quiet and stable throughout the period. No Earth-directed CMEs were observed.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at moderate levels on 04-05 Dec and increased to high levels on 06-10 Dec following CH HSS influence.

Geomagnetic field activity was at quiet to active levels on 04-06 Dec with G1 (Minor) storm conditions observed on 05 Dec due to influence from a positive polarity CH HSS. Quiet to unsettled conditions were observed on 07 Dec as CH HSS effects waned. Quiet conditions prevailed for the remainder of the period.

Forecast of Solar and Geomagnetic Activity
 11 December - 06 January 2018

Image Reports

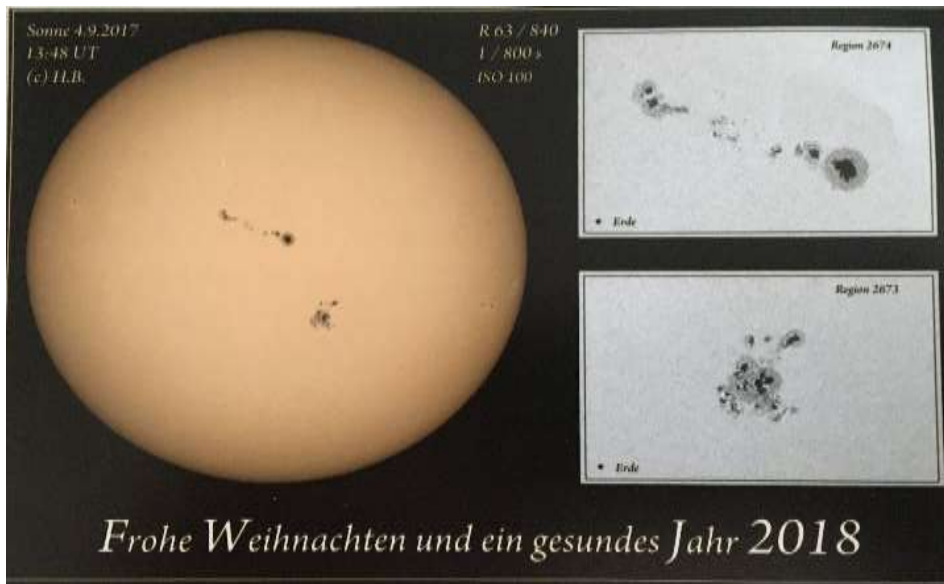


Left:

CV-139 Javier Alonso, Spain, was the observer who contributed with CV-Helios Network's milestone and Entry no. 10.000 received on December 02, 2017. Congratulations!

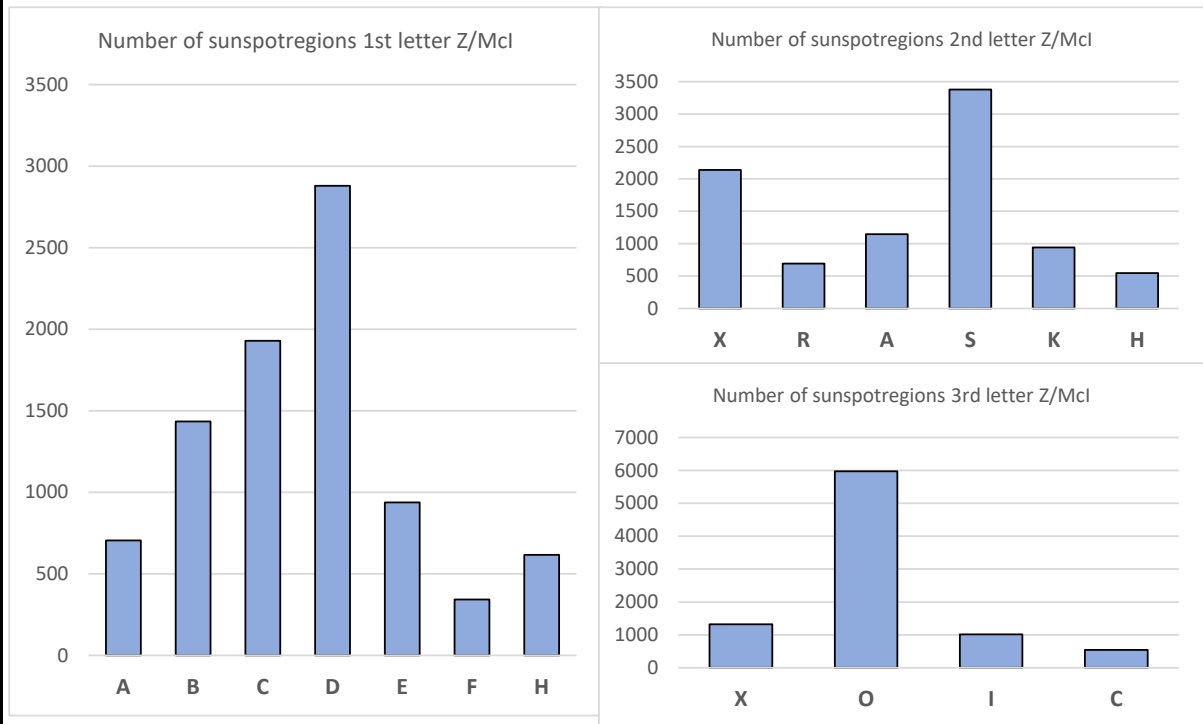
Below:

Christmas Greetings from CV-023 Hartmut Bretschneider, Germany Showing major groups 2673 and 2674 picture taken 4 September 2017



MINIMUM Cycle 24/25 is expected to occur at the very end of 2019. Predicted extreme between April/May 2019 and March/April 2020.

NOAA/USAF regions August 1981 - November 2017

**Want Solar Coordinates?**

Daily list of Solar Ephemeris for 2017 available at:

<http://www.cv-helios.net/helio2017/>

Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. for the year 2017.

Comes with tilted Stoneyhurst-chart to use for observations!

For your convenience and security, use the mif2002,

<http://www.cv-helios.net/mif2002.xls>

the Monthly Input Form, which you can use for all of your next reportings!

Note! A new .php script is going to be launched this year,

instead of the old, outdated and unsecure .cgi that has been used for about 17 years.

CV-Helios Network: Monitor MPR progress as entries are made!

In order for the observers to monitor that their submissions

have been registered at CV-Helios Network, a new feature has been made in March 2014:

Just enter the following link in your internet browser and you will see a page containing today's date and a further link into an excel sheet that is created automatically for every Entry made to the CV-Helios Network database and also one copy for every day of the year.

The preliminary MPR visible will remain visible for the entire calendar month.

The data are available fresh from about 10:00 UTC until local midnight.

Another feature made gives you daily information for the last 6 rotations for:

Date, USAF-CV, USAF-CV6rot, FluxAdj, FluxAdj6rot, FluxObs, FluxObs6rot, SunspotArea, SunspotArea6rot, PIndex6rot, Lat. N/S hem.6rot, SolarWind, SolarWind6rot.

Use this link to see also this feature.

<http://cv-helios.net/helios/cv/web/mprpost.html>

<http://www.cv-helios.net/cgi/data/datlist.txt>

Daily Report issued 10:00 UTC
for checking of Entries Summary

IMPORTANT NOTICE!

2017 Sep 07

Due to cases of spamming and our host does not appreciate us using cgi-scripts during submission of observer forms, the scripts have been altered. Observers will not notice the changes made, but they should now be much safer when we now go over to php-scripts. Good Luck!

Please go to: <http://www.cv-helios.net/observations/index.html>

<http://www.cv-helios.net/observations/index.html>

login

solaris

password

cvheliosobs

We now use php-scripts that are safer!

Submission before 15th of proceeding month 18:00 UTC.

MPR issue 15th of month 2000 UTC. Good luck CV-observing!



CV-Helios Network

- over 36 years in solar amateur astronomy service!

There are now 10011 entries registered
containing 158985 CV-observations!

This MPR issued 15th December 2017



CV-Helios Network

Director/Coordinator: Kjell Inge Malde

Phone: +47 98 69 28 56

cvhelios@gmail.com

www.cv-helios.net

Worldwide Amateur Solar Observing Network
Magnetic Sunspot Classifications Zürich/McIntosh system
CV - Classification Values (Malde/1981) - numeric system
Serving Amateur Solar Astronomy since 1981

Editorial close: 15.12.2017 18:55 UTC