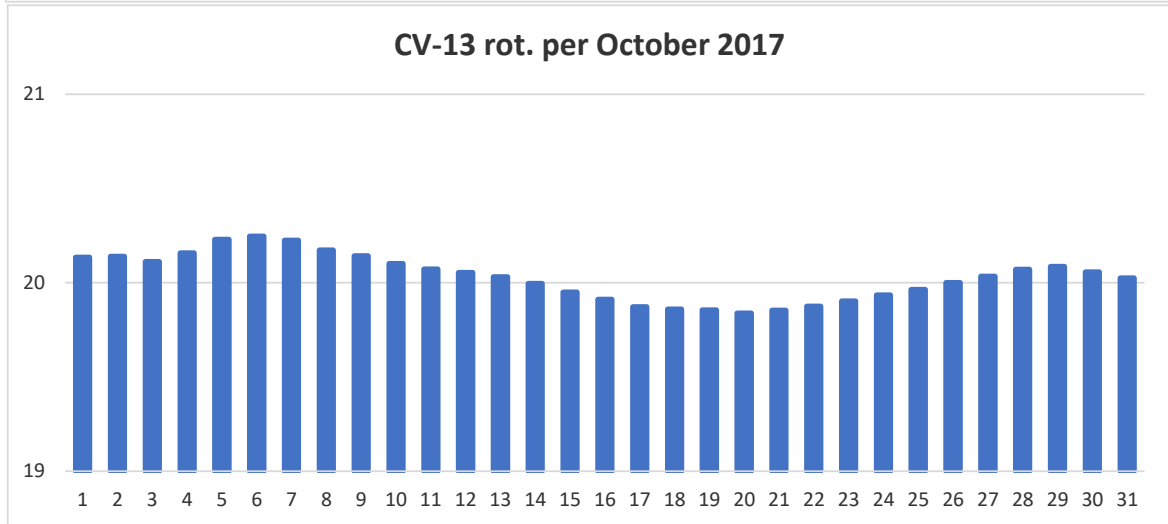
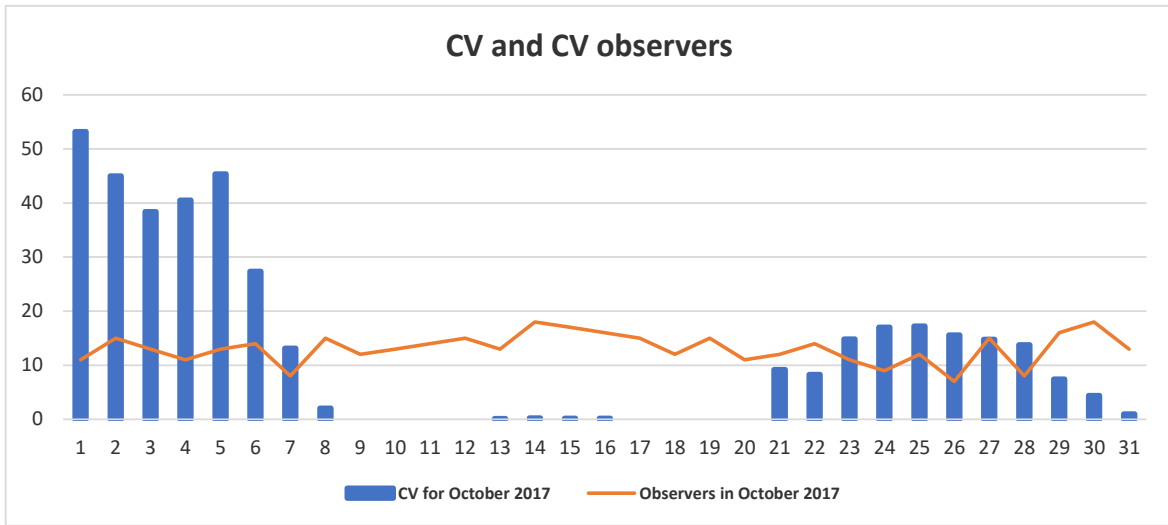


Volume 37 Number 10		MPR 435	October 2017	ISSN 2535-3780		
Results						
Date	CV	Obsrvrs	USAF	std.dev.	CV-6 rot.	CV-13 rot.
1	53,18	11	38,33	10,50	24,97	20,14
2	45,00	15	31,07	9,85	25,24	20,14
3	38,38	13	25,40	9,18	25,37	20,11
4	40,55	11	27,23	9,42	25,48	20,16
5	45,38	13	31,41	9,88	25,60	20,23
6	27,36	14	16,42	7,73	25,59	20,25
7	13,13	8	6,13	4,95	25,49	20,23
8	2,07	15	0,27	1,27	25,30	20,17
9	0,00	12			25,06	20,14
10	0,00	13			24,83	20,10
11	0,00	14			24,67	20,07
12	0,00	15			24,53	20,05
13	0,15	13	-0,05	0,15	24,37	20,03
14	0,22	18	-0,06	0,20	24,25	20,00
15	0,18	17	-0,06	0,16	24,16	19,95
16	0,19	16	-0,06	0,17	24,14	19,91
17	0,00	15			24,06	19,87
18	0,00	12			23,92	19,86
19	0,00	15			23,80	19,86
20	0,00	11			23,69	19,84
21	9,17	12	3,68	3,88	23,67	19,85
22	8,29	14	3,18	3,61	23,67	19,88
23	14,82	11	7,25	5,35	23,75	19,90
24	17,00	9	8,74	5,84	23,85	19,94
25	17,25	12	8,91	5,90	23,95	19,96
26	15,57	7	7,75	5,53	24,04	20,00
27	14,80	15	7,23	5,35	24,13	20,03
28	13,75	8	6,54	5,10	24,21	20,07
29	7,44	16	2,71	3,35	24,25	20,09
30	4,39	18	1,18	2,27	24,28	20,06
31	1,00	13	0,00	0,71	24,24	20,03
Totals/ Avrgs	12,56	13,1	10,14	4,80	24,47	20,03



Solar Region Summary for October 2017

<u>Reg.-First day-Last day-Lat.-Lon.-Rot.-Area-Lgth.-CVtot.-class14d</u>
2681-21.09.17-02.10.17-S12-178-2195-60-2-10,3-HSX-HSX-HSX-CSO-HSX-CSO-CSO-HSX-HSX-HSX-HSX-HSX
2682-25.09.17-07.10.17-S09-127-2195-180-3-9,1-HSX-HAX-HAX-HAX-CAO-CAO-CSO-HSX-HSX-HSX-HSX-HSX
2683-26.09.17-08.10.17-N11-109-2195-260-3-33,5-HKX-DAO-HKX-HKX-HKX-HKX-HKX-HKX-CKO-CKO-CKO-HKX-HAX
2684-16.10.17-16.10.17-N11-312-2196-10-2-2,0-BXO
2685-22.10.17-31.10.17-S11-128-2196-50-2-6,1-HAX-HAX-HAX-HSX-HSX-HSX-HRX-HRX-AXX-AXX
2686-24.10.17-01.11.17-N12-108-2196-30-2-5,0-HAX-HAX-HSX-HRX-HAX-HRX-HRX-AXX-AXX

:Product: Weekly Highlights and Forecasts

:Issued: 2017 Nov 13 0513 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
 06 - 12 November 2017

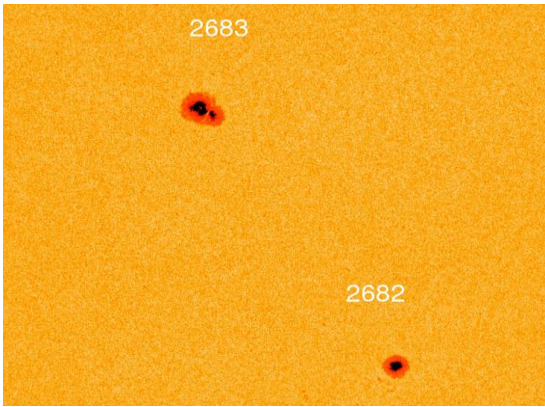
Solar activity was very low throughout the period under a spotless disk. The only activity was an eruptive filament observed in the NE quadrant beginning at 10/0630 UTC in SDO/AIA 304 imagery. An associated CME was observed off the eastern limb in SOHO/LASCO C2 imagery beginning at 10/0824 UTC, however subsequent analysis showed no Earth-directed component. No Earth-directed CMEs were observed.

No proton events were observed at geosynchronous orbit.

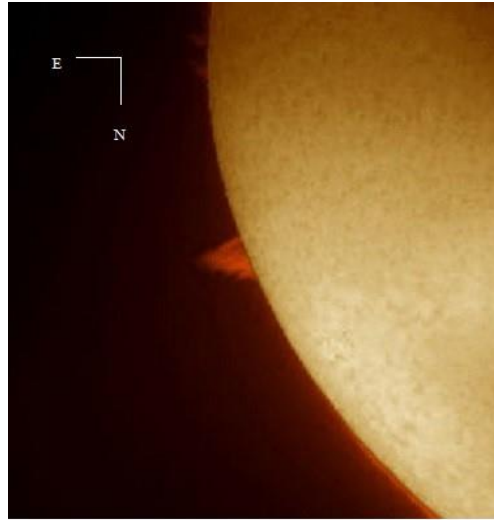
The greater than 2 MeV electron flux at geosynchronous orbit was at normal levels on 06-07 Nov and reached high levels on 08-12 Nov. The largest flux of the period was 25,349 pfu observed at 11/1435 UTC.

Geomagnetic field activity was at quiet to G2 (Moderate) storm levels over the period. The period began with solar wind speeds between 285-355 km/s and total field around 4 nT. At approximately 07/0300 UTC, phi angle switched from a negative solar sector to positive. Additionally, an increase in solar wind speed and total field was observed due to the arrival of a co-rotating interaction

Image Reports



**SOHO image
from 2017 Oct 01 at 0000 UTC.**



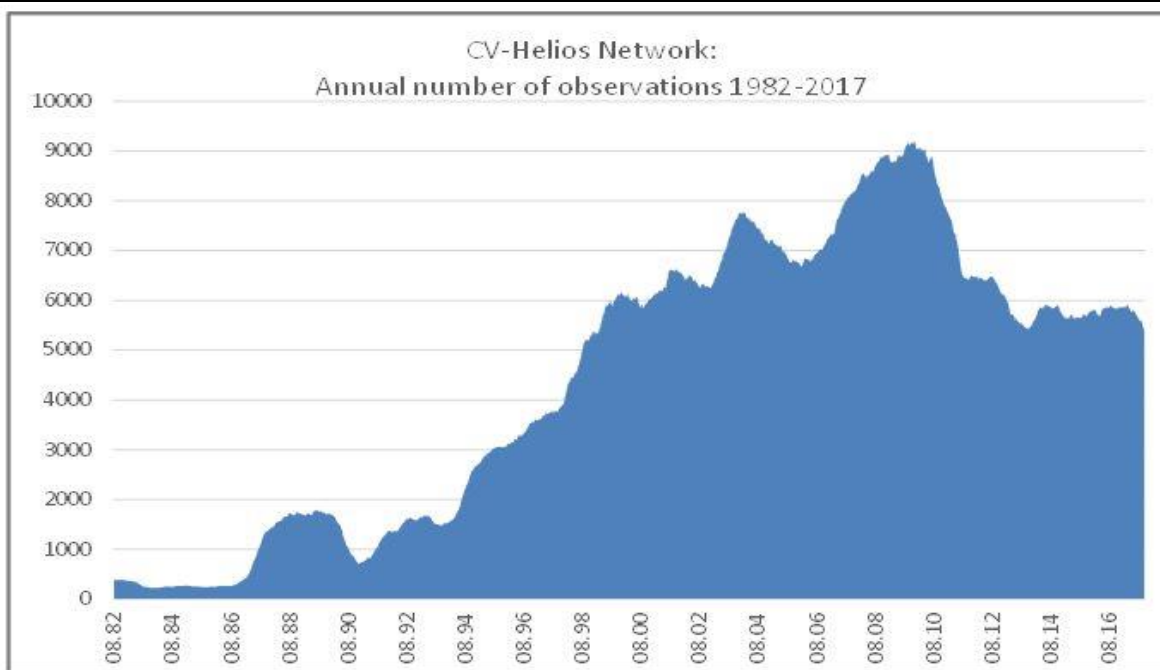
Monty Leventhal OAM, November 10th 2017, 20.40 hrs. UT.
Supported by the Donovan Astronomical Trust.
Pyramid type Prominence. Height approximately 56,000km



**Two beautiful Aurora borealis pictures
from November 7, by CV-116 Terje Bjerkgaard
Trondheim, Norway**

All of our web has now been refreshed and edited.
New scripts are in place for the 2 observation submission options,
and even for the joining platform.
This has been done for everyone's safety.

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



Unfortunately, the annual number of CV-observations have dropped, and we need more observers! Currently we are now at a level comparable to Mar 1999!
Join in at www.cv-helios.net/join2.php

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 9986 entries registered
containing 158606 CV-observations!

This MPR issued 15th November 2017



CV-Helios Network

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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: 15.11.2017 18:41 UTC