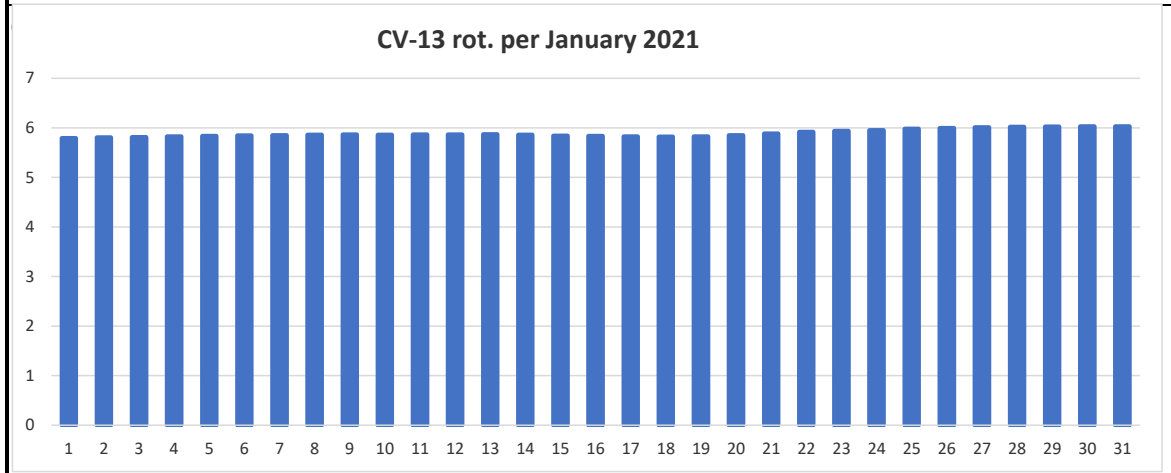
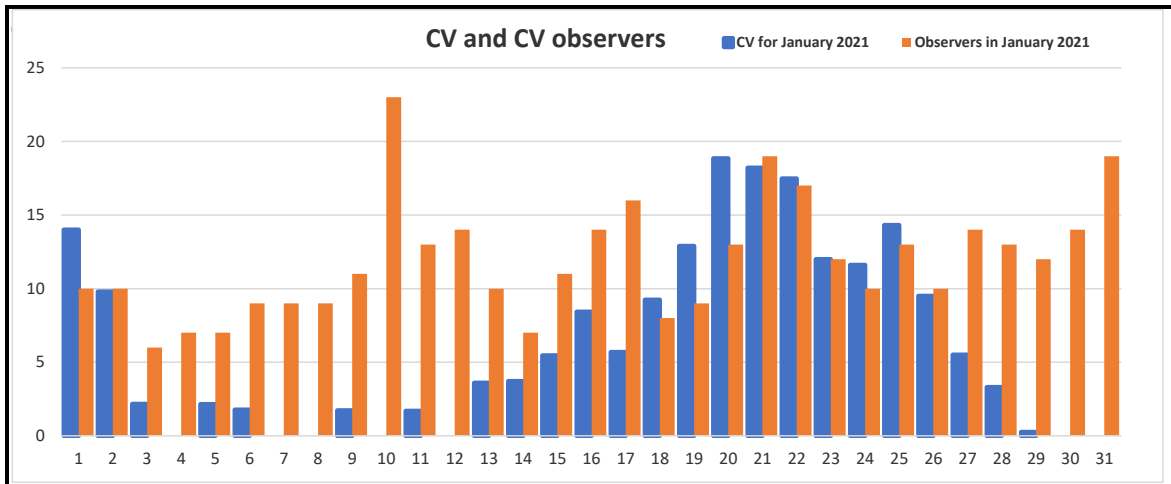


Results						
Date	CV	Obsrvrs	Regions 6 rot.	CV-USAF 6-rot.	CV-6 rot.	CV-13 rot.
1	14,00	10	1,12	12,96	11,79	5,79
2	9,80	10	1,13	12,97	11,80	5,81
3	2,17	6	1,12	12,91	11,80	5,81
4	0,00	7	1,12	12,85	11,77	5,82
5	2,14	7	1,11	12,79	11,76	5,83
6	1,78	9	1,10	12,73	11,74	5,84
7	0,00	9	1,09	12,60	11,71	5,85
8	0,00	9	1,08	12,54	11,67	5,86
9	1,73	11	1,07	12,47	11,62	5,86
10	0,00	23	1,05	12,35	11,54	5,86
11	1,69	13	1,04	12,27	11,51	5,86
12	0,00	14	1,03	12,21	11,46	5,87
13	3,60	10	1,02	12,20	11,47	5,87
14	3,71	7	1,01	12,13	11,49	5,86
15	5,45	11	1,01	12,10	11,49	5,84
16	8,43	14	1,01	12,04	11,48	5,84
17	5,69	16	1,02	12,04	11,47	5,82
18	9,25	8	1,02	12,02	11,47	5,82
19	12,89	9	1,02	12,01	11,49	5,82
20	18,85	13	1,02	12,05	11,53	5,85
21	18,21	19	1,03	12,12	11,60	5,88
22	17,47	17	1,03	12,19	11,69	5,92
23	12,00	12	1,04	12,23	11,77	5,94
24	11,60	10	1,05	12,27	11,85	5,95
25	14,31	13	1,06	12,38	11,94	5,98
26	9,50	10	1,07	12,39	12,02	6,00
27	5,50	14	1,09	12,41	12,10	6,01
28	3,31	13	1,09	12,41	12,16	6,02
29	0,25	12	1,08	12,40	12,15	6,02
30	0,00	14	1,07	12,37	12,12	6,03
31	0,00	19	1,07	12,35	12,12	6,03
Totals/ Avrgs	3,96	27,3	0,97	4,83	11,73	5,89



Sunspot Region Summary for January 2021
Reg.-First day-Last day-Lat.-Lon.-Rot.-CVavrg.-ZMcl day1 to day14
 2794,20.12.20,02.01.21,-16,346,2238-HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX,HSX
 2795,23.12.20,02.01.21,-18,318,2238-CRO,DAO,DAO,DAO,DSO,DAO,CAO,CRO,BXO,BXO,AXX,
 2796,15.01.21,17.01.21,-21,089,2239-CRO,BXO,AXX,
 2797,17.01.21,27.01.21,-18,340,2239-HSX,CAO,CAO,HSX,HAX,HAX,HAX,HAX,HRX,AXX,AXX,
 2798,20.01.21,23.01.21,-16,331,2239-CAO,CAO,CRO,AXX,
 2799,22.01.21,26.01.21,22,021,2239-BXO,AXX,AXX,DRO,AXX,
 2800,27.01.21,27.01.21,19,305,2240-BXO,

:Product: Weekly Highlights and Forecasts

:Issued: 2021 Feb 15 0206 UTC
 # Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center
 # Product description and SWPC contact on the Web
 # <https://www.swpc.noaa.gov/content/subscription-services>
 #
 # Weekly Highlights and Forecasts
 #
 Highlights of Solar and Geomagnetic Activity
 08 - 14 February 2021

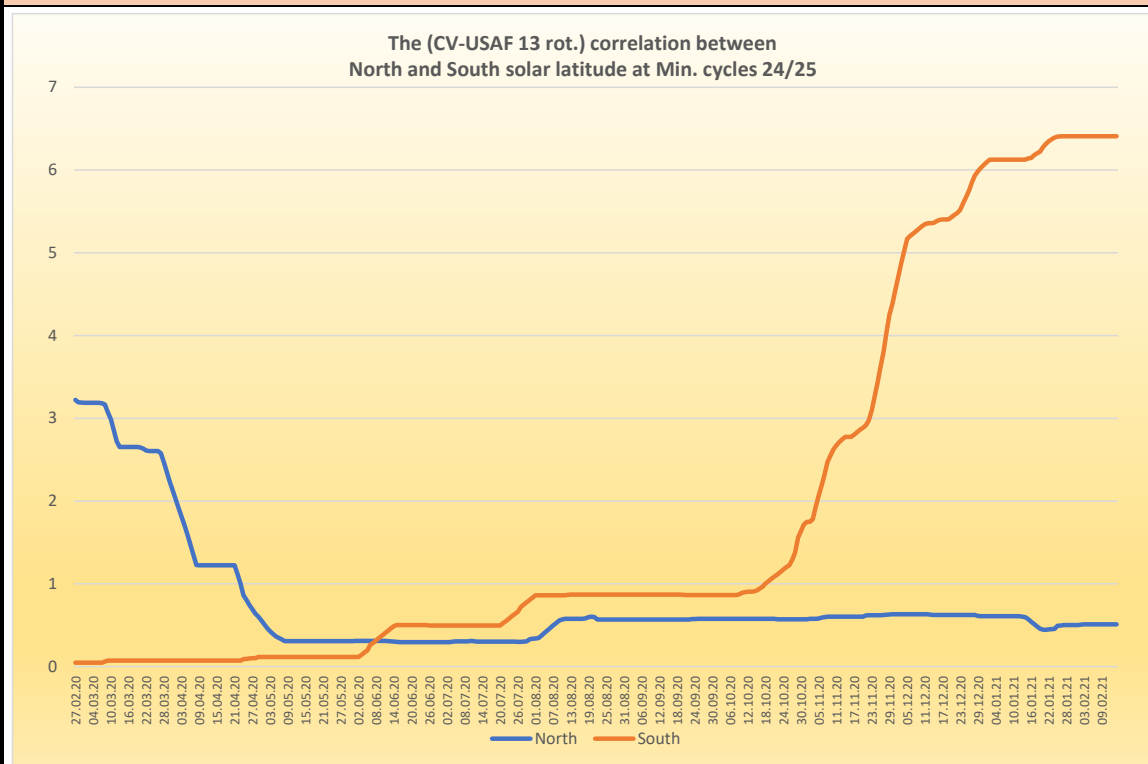
Solar activity was very low. A B5 flare was observed on 10/1206 UTC from a region of plage in the SE quadrant. The visible disk remained spotless. No Earth-directed CMEs were observed in available coronagraph imagery.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal to moderate levels over 08-14 Feb. A peak flux of 434 pfu was observed on 11/1615 UTC.

Geomagnetic field activity ranged from quiet to active levels. Weak influence from a positive polarity CH HSS was observed on 08 Feb. Quiet conditions followed nominal solar wind from 09-11 Feb. Unsettled conditions were observed on 12 Feb and active conditions on 13 Feb in response to the onset of a negative polarity CH HSS. Wind speeds briefly reached ~550 km/s early on 13 Feb and total

Monthly graph



News January 2021

Solar activity is nearly at standstill in this phase of the new solar cycle 25.

The rapid rise we saw in November 2020 and some of it in December 2020, have now gone into a stage of near standstill in activity.

No activity sunspotwise has been seen since February 3rd, and the photos from Stereo-A (ahead) show little promising interest ahead so far.

Region 2795, at lat. S18, long. 318, was at 120 mvh on 2 January, a bit decaying but managed to exit round west limb.

CORRELATION NORTH/SOUTH SUNSPOT REGION ACTIVITY

It is quite remarkable that our sun has different times of both minimum and maximum.

The difference seems to have an average of over 5 rotations difference when it comes to the minimum époque.

The difference may be even wider when we come to maximum.

There is a plan to go deeper into this subject at a later issue.

NEW MENU: DAILY RUN FILES

Located via the "Misc."-menu at <https://www.cv-helios.net/cvmisc3.html>:

DAILY RUN FILES

giving you daily updates on DAILY SOLAR & CV-REPORTS, CV-OBS. REG. UPDATES, TEXT LIST & TABLE DAILY CV-INT., CV-USAF NUMBERS & NOAA/USAF SUNSPOT REGIONS, SOHO GRIDDED IMAGES AND POSITIONAL TABLES, SOLAR FLUX & P-INDEX, SOLAR WIND.

The menu is dynamic in the green background fields, meaning it is date-dependant and should be available from about 10:00 UTC until local midnight.

NEW MENU: GRAPHICS/OBSERVATIONS/OBSERVER STATISTICS:

The new graphics page over CV-Int., observations and observers

is now ready from the main page or go to <https://www.cv-helios.net/cvobsgraph.html>

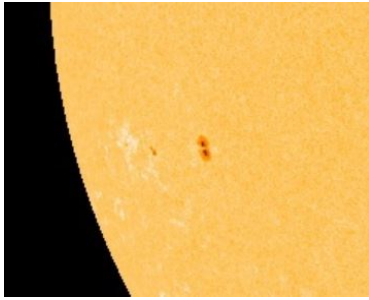
The page is updated every time new submissions have been registered.

New or revised features may appear in time.

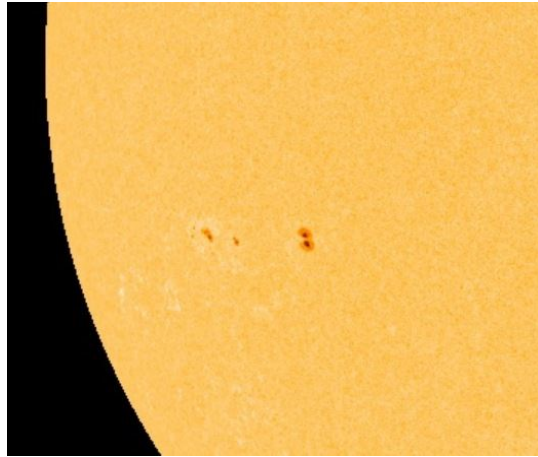
Pictures from last month - Observer contributions, etc.

SOLAR CYCLE 25

Largest Regions of January 2021



Region 2797
on 19 Jan 2021 1200 UTC
courtesy SDO/HMI NOAA gov



Region 2798
on 20 Jan 2021 1200 UTC
courtesy SDO/HMI NOAA gov

Awards this month

0

none

New member:

Welcome to:

CV-216 VISHAL SHARMA, India
enrolled 06.12.2020

Welcome to our New Member!

We are now 53 active members (last 12 mo.)

Solar Coordinates

New from April 2020

Daily list of Solar Ephemeris available at:

[Daily list of Solar Ephemeris and SDO on grid](#)

Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. and adjusted SOHO-picture on grid.

Calculating CV

For your convenience and security, use the mif2002,

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

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

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

Monitor your submissions as they are registered:

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

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

Content comprises CV-Report for latest month, CV-Report for latest month

individual results, Extracts from NOAA on forecasts/discussion,

Extracts from NOAA warehouse on SRS and other activity,

Last 24 months CV-data, This month CV acc. to USAF

NEW! A special **Graphic section** is underway soon available from front page of www.cv-helios.net

Registration data

Check if your CV-observations have been registered (please allow up to 24 hrs):

<https://www.cv-helios.net/helios/cv/web/datlist.htm>

for checking of Entries Summary

<https://www.cv-helios.net/helios/cv/web/cvobsmonth.htm>**CONTRIBUTE WITH YOUR PHOTOS AND OTHER OF INTEREST!**

We would like YOU to contribute with drawings or photos from last month

Also any other contribution that may have an interest for our observers.

Please send by email to:

cvhelios@gmail.com[Please check out www.cv-helios.net/cvrep2.html](http://www.cv-helios.net/cvrep2.html) for updates of files!**SUBMISSIONS OF CV-OBSERVATIONS**

Log on to:

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

login

solaris

password

cvheliosobs

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

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

Average Registration time over last 40 entries: 8 hours 51 minutes**CV-Helios Network****- over 39 years in solar amateur astronomy service!**

There are now 11849 entries registered
containing 190557 CV-observations!

Editorial close: 15.02.2021 16:17 UTC**CV-Helios Network**