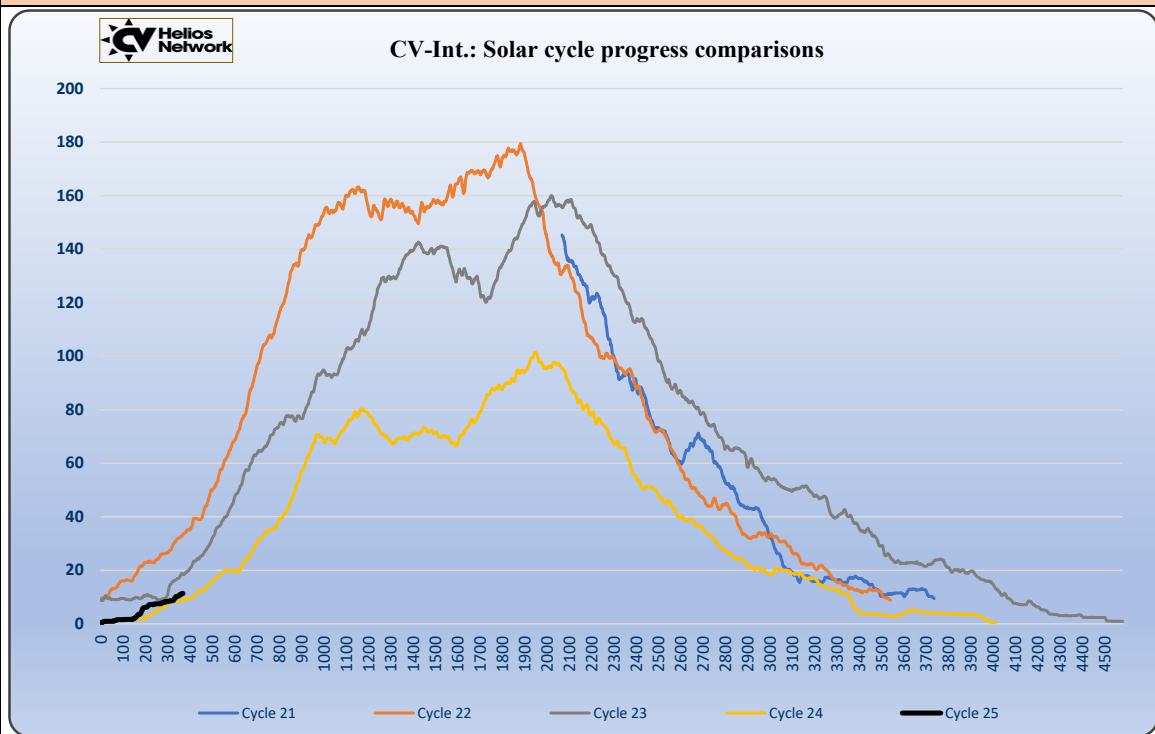




<b>Results</b>						
Date	CV	Obsrvrs	Regions 6 rot.	CV-USAF 6-rot.	CV-6 rot.	CV-13 rot.
1	34,17	18	1,85	16,97	18,64	15,75
2	43,27	22	1,86	17,14	18,83	15,90
3	28,85	20	1,86	17,21	18,89	16,01
4	47,48	21	1,88	17,35	19,03	16,16
5	78,04	25	1,89	17,75	19,47	16,44
6	87,65	23	1,90	18,16	19,94	16,73
7	104,05	20	1,92	18,74	20,48	17,05
8	105,39	23	1,95	19,50	21,09	17,41
9	100,47	19	1,98	20,32	21,60	17,70
10	101,55	11	2,00	21,11	21,97	17,91
11	86,67	15	2,02	21,90	22,38	18,14
12	62,59	17	2,04	22,15	22,72	18,32
13	37,88	16	2,04	22,32	22,94	18,42
14	21,81	16	2,04	22,38	23,07	18,50
15	4,00	10	2,04	22,37	23,14	18,54
16	7,20	10	2,04	22,37	23,20	18,58
17	3,53	15	2,04	22,36	23,26	18,59
18	1,23	13	2,04	22,42	23,31	18,60
19	11,73	15	2,04	22,54	23,39	18,65
20	25,94	16	2,05	22,70	23,54	18,74
21	49,80	15	2,07	23,09	23,77	18,89
22	58,81	16	2,09	23,56	24,07	19,02
23	56,21	14	2,11	23,74	24,29	19,15
24	43,18	17	2,13	23,93	24,50	19,30
25	35,53	15	2,14	24,12	24,63	19,39
26	30,39	18	2,16	24,25	24,73	19,47
27	17,31	16	2,15	24,27	24,78	19,53
28	25,14	14	2,16	24,30	24,88	19,60
29	53,67	15	2,18	24,74	25,09	19,72
30	62,82	17	2,18	24,82	25,23	19,88
Totals/ Avrgs	<b>3,96</b>	<b>27,3</b>	<b>0,97</b>	<b>4,83</b>	<b>22,56</b>	<b>18,20</b>



## Monthly graph



Progress of Solar Cycle 25 on overlay past solar cycles from Day 0 onwards.

## News September 2021

Solar activity is still low but number of regions are slowly increasing. As shown in this issue, the CV as 13-rot. centered averages are now higher than for solar cycle 24 at the same time of progress from minimum! According to solar flux we are now ahead with almost 5 percent compared to cycle 24.

There were a total of 18 sunspot regions developing in September 2021.

List of 10 significant sunspot regions developing in September 2021:

The LARGEST SUNSPOT REGIONS ( $\geq 100$  mvh) 01.09-30.09 were:

Reg.-First-Last--Lat.-Long.-Rot.-Area - ZMcI-history

2860: 24.08-02.09 Lat S28, Lo 002 Rt. 2247 220 m., CV 25, BXO DAO DAO EKI EKI EKC EAC DAI DSI DAI

2863: 02.09-11.09 Lat S16, Lo 258 Rt. 2248 130 m., CV 18, CAO DSO CSO CSO CSO HSX HSX HSX HSX HSX

2864: 03.09-11.09 Lat N24, Lo 251 Rt. 2248 152,5 m., CV 12,5, CRO DAO DAO DAO CSO HSX HSX CSO HSX

2866: 04.09-14.09 Lat S18,25, Lo 199 Rt. 2248 348,75 m., CV 42,25, BXO DAI DAI DKC DKC DKC DKC DAI DAO HSX

2868: 05.09-13.09 Lat S20,75, Lo 214 Rt. 2248 228,75 m., CV 34,125, DSO DSO DSO DHI DHI DKI DKI DAO CAO

2871: 18.09-29.09 Lat S28, Lo 355 Rt. 2248 215 m., CV 29, HSX DAO DAO DKO DKO DAO DAO DAC DAI CSO HRX AXX

2872: 20.09-26.09 Lat N17, Lo 005 Rt. 2248 120 m., CV 9, CRO BXO CAI CAI CAO CRO CRO

2873: 20.09-24.09 Lat N26, Lo 056 Rt. 2248 110 m., CV 19, BXI DAO DAO BXO BXO

2877: 26.09-03.10 Lat S17, Lo 327 Rt. 2249 165 m., CV 20,5, BXO CRO CRO DAI DAO DAO DAO HSX

2880: 28.09-06.10 Lat N30,5, Lo 245 Rt. 2249 300 m., CV 37, CRO DKC DAO DHO ESO DSO ESO CSO HRX

On the 8th September we had the highest CV-number for 4 years exactly ( Sep 2017) with 105,4.

Solar cycle 25 update, and comparison solar cycle 24

It seems the P-Index (fall-rise calculations on 13 solar rotations)

on solar flux activity hit it with the first curve culmination

beginning of September, which mean that next solar maximum

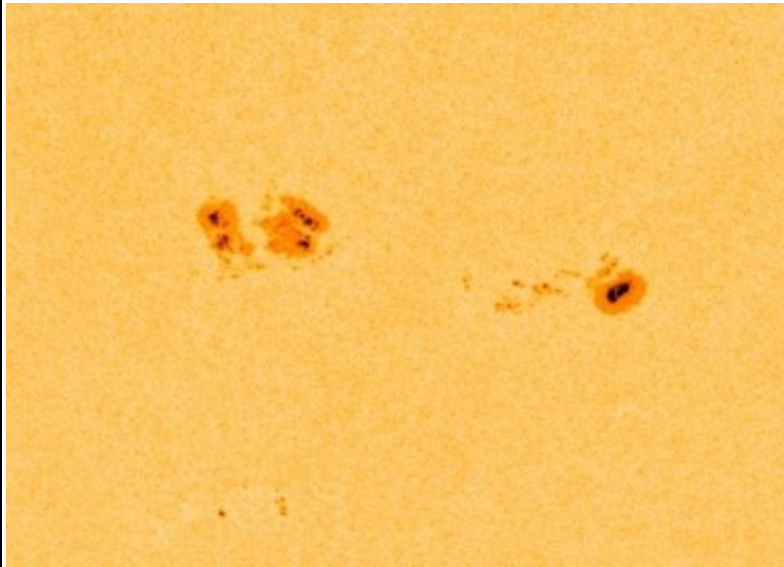
may hit in about 6 months earlier than predicted.

Originally July 2025, which now may occur end Feb/start March 2025.

We wish you all lots of sunny days, happy observing and good luck further on in 2021!

Please remember you are always welcome to contribute with drawings and photos!

**Pictures from last month - Observer contributions, etc.**



**Largest Regions of Sep. 2021**

Regions 2866 and 2868  
on August 28, 2021  
courtesy SDO/HMI NOAA gov  
(small region 2869 below)

**Awards this month** 0


none

**New members:** **Welcome to:**

none

none

We are now 54 active members (last 12 mo.)

<b>Solar Coordinates</b>	New from April 2020
Daily list of Solar Ephemeris available at: <a href="#">Daily list of Solar Ephemeris and SDO on grid</a> Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. and adjusted SOHO-picture on grid.	
<b>Calculating CV</b>	
For your convenience and security, use the mif2021, <a href="https://www.cv-helios.net/mif2021.xlsx">https://www.cv-helios.net/mif2021.xlsx</a> the Monthly Input Form, which you can use for all of your next reportings!	
<b>Monitor MPR daily progress</b>	
<b>CV-Helios Network: Monitor MPR progress as entries are made!</b> Monitor your submissions as they are registered: <a href="https://cv-helios.net/helios/cv/web/mprpost.html">https://cv-helios.net/helios/cv/web/mprpost.html</a> 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	
<b>Registration data</b>	
Check if your CV-observations have been registered (please allow up to 24 hrs): <a href="https://www.cv-helios.net/helios/cv/web/datlist.htm">https://www.cv-helios.net/helios/cv/web/datlist.htm</a> <a href="https://www.cv-helios.net/helios/cv/web/cvobsmonth.htm">https://www.cv-helios.net/helios/cv/web/cvobsmonth.htm</a> for checking of Entries Summary	
<b>CONTRIBUTE WITH YOUR PHOTOS AND OTHER OF INTEREST!</b>	
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: <a href="mailto:cvhelios@gmail.com">cvhelios@gmail.com</a>	
<a href="http://www.cv-helios.net/cvrep2.html">Please check out www.cv-helios.net/cvrep2.html</a> for updates of files!	
<b><u>SUBMISSIONS OF CV-OBSERVATIONS</u></b>	
Log on to: <a href="https://www.cv-helios.net/observations/index.html">https://www.cv-helios.net/observations/index.html</a> 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!	
<b>Average received to registered time: 01 hours 50 minutes</b>	
<b>CV-Helios Network</b> - over 40 years in solar amateur astronomy service!  There are now Entries reg.: 12168 entries registered containing 34749 CV-observations! Last 12 months 7208 CV-observations from 46 observers originating from 17 countries	
<b>Editorial close: 15.10.2021 14:22 UTC</b>	
 <b>CV-Helios Network</b>	