

Monthly Preliminary Report

MPR



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CV-Helios Network

Monthly Preliminary Report for June 2019

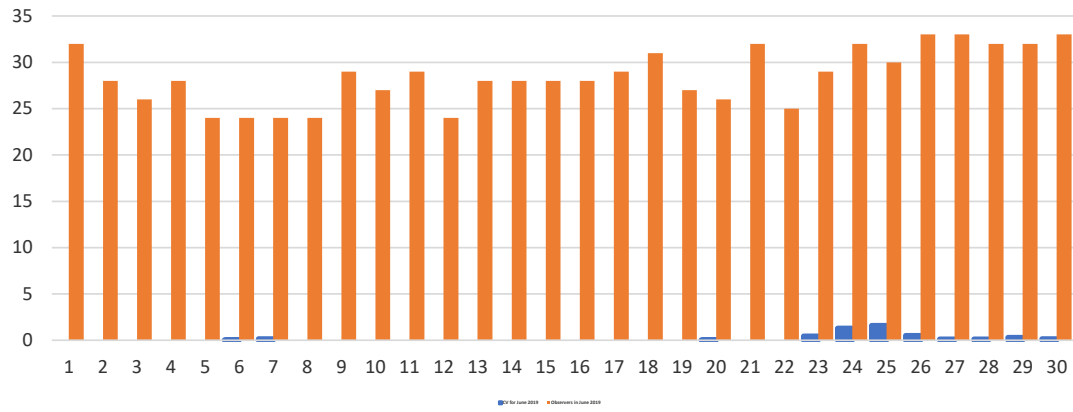
Solar Cycle 24: Month no. 128

Report id.: cv1906.xls - CV-report no.: 455

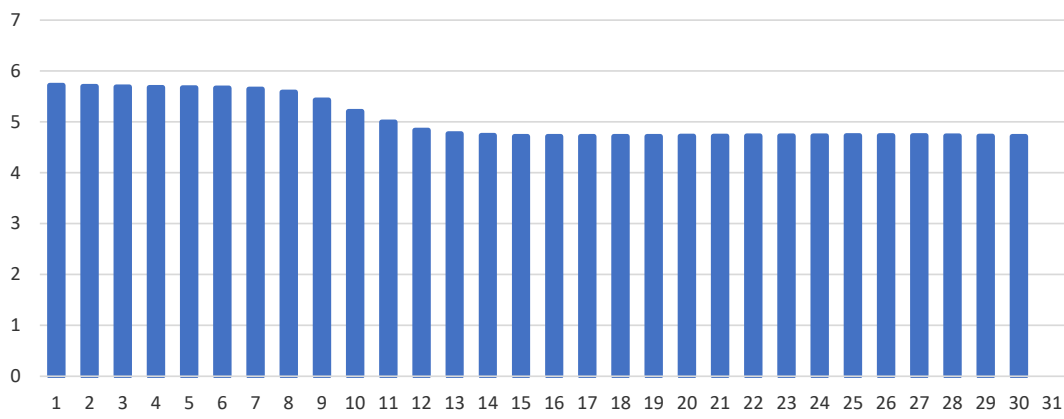
Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	0,2	24	0,906	8273
CV-009	BRAUCKHOFF, DIETER	GERMANY	0,5	30	2,899	1025
CV-010	DUBOIS, FRANKY	BELGIUM	0,2	30	0,906	8432
CV-019	JUNKER, ELMAR	GERMANY	0,1	14	0,776	3343
CV-020	HOLL, MANFRED	GERMANY	0,1	27	0,604	5262
CV-021	BARNES, HOWARD	NEW ZEALAND	0,0	16	0,000	4208
CV-023	BRETSCHNEIDER, HAR	GERMANY	0,2	23	0,945	4819
CV-038	MORALES, GERMAN	BOLIVIA	0,5	29	2,811	6862
CV-040	BATTAIOLA, ROBERTO	ITALY	0,0	8	0,000	1757
CV-041	ROTHERMEL, JENS	GERMANY	0,4	12	2,265	1030
CV-044	SCHRÖDER, GERD	GERMANY	0,0	26	0,000	4213
CV-068	THIMM, SVEN OVE	DENMARK	0,0	15	0,000	3552
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	0,0	16	0,000	2822
CV-080	JANSSENS, JAN	BELGIUM	0,0	3	0,000	1001
CV-082	URBANSKI, PIOTR	POLAND	0,2	30	1,268	4531
CV-086	TOS-POLAND	POLAND	0,3	30	1,631	7172
CV-091	DALEK, GRZEGORZ	POLAND	0,2	28	0,971	3931
CV-103	STEEN, OCTAAF	BELGIUM	0,2	30	1,087	5030
CV-105	RYBACK, ALEXEY	RUSSIA	0,3	16	1,359	2848
CV-107	LEVENTHAL, MONTY	AUSTRALIA	0,2	19	0,858	4105
CV-116	BJERKGÅRD, TERJE	NORWAY	1,0	4	5,435	881
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	0,4	29	2,249	2322
CV-135	ARAUJO, GEMA	SPAIN	0,3	30	1,631	5979
CV-136	GARCÍA, FAUSTINO	SPAIN	0,0	19	0,000	3120
CV-139	ALONSO, JAVIER	SPAIN	0,0	15	0,000	3212

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Results				*CV-USAF prepared via data from Joint USDC/NOAA, SWPC/USAF			
Date	CV	Obsrvrs	*USAF-CV	std.dev.	CV-6 rot.	CV-13 rot.	
1	0,00	32	0	0,00	8,89	5,72	
2	0,00	28	0	0,00	8,86	5,70	
3	0,00	26	0	0,00	8,81	5,69	
4	0,00	28	0	0,00	8,79	5,67	
5	0,00	24	0	0,00	8,75	5,67	
6	0,04	24	0	0,03	8,72	5,66	
7	0,17	24	0	0,12	8,70	5,64	
8	0,00	24	0	0,00	8,68	5,58	
9	0,00	29	0	0,00	8,65	5,43	
10	0,00	27	0	0,00	8,62	5,20	
11	0,00	29	0	0,00	8,58	4,99	
12	0,00	24	0	0,00	8,56	4,84	
13	0,00	28	0	0,00	8,51	4,77	
14	0,00	28	0	0,00	8,45	4,73	
15	0,00	28	0	0,00	8,37	4,71	
16	0,00	28	0	0,00	8,26	4,71	
17	0,00	29	0	0,00	8,19	4,71	
18	0,00	31	0	0,00	8,13	4,71	
19	0,00	27	0	0,00	8,09	4,71	
20	0,04	26	0	0,03	8,06	4,72	
21	0,00	32	0	0,00	8,02	4,72	
22	0,00	25	0	0,00	7,99	4,72	
23	0,45	29	1	0,39	7,96	4,72	
24	1,31	32	1	0,22	7,93	4,73	
25	1,60	30	0	1,13	7,89	4,73	
26	0,52	33	0	0,36	7,84	4,73	
27	0,12	33	0	0,09	7,82	4,73	
28	0,13	32	0	0,09	7,77	4,72	
29	0,31	32	0	0,22	7,74	4,72	
30	0,15	33	0	0,11	7,70	4,71	
Totals/ Avrgs	0,16	28,5	0,16	0,09	6,46	16,13	

CV and CV observers



CV-13 rot. per June 2019



Solar Region Summary for June 2019

Reg.-First day-Last day-Lat.-Lon.-Rot.-Area-Lgth.-CVtot.-class14d

2742-23.06.19-23.06.19-N04-92-2218-10-1-1,0-AXX

2743-24.06.19-24.06.19-N03-111-2218-10-2-1,0-AXX-AXX-AXX-AXX

:Product: Weekly Highlights and Forecasts

:Issued: 2019 Jul 15 0223 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>

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Weekly Highlights and Forecasts

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Highlights of Solar and Geomagnetic Activity

08 - 14 July 2019

Solar activity was at very low levels throughout the reporting period. Region 2744 (S27, Lo=209, class/area=Bxo/020 on 07 Jul) decayed to played by 08 Jul. A coronal dimming was observed in SDO/AIA 193 beginning around 14/0030 UTC from near the vicinity of old Region 2744 (S27W46). A subsequent CME signature associated with the event was observed in SOHO/LASCO C2 imagery beginning at 14//0236 UTC. The slow-moving, narrow and faint signature from the SW limb was modeled and the resulting WSA-Enlil output suggested no Earth-directed component was present.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal background levels on 08-09 Jul. An increase to moderate to high levels, in response to activity from a negative polarity CH HSS, was observed on 10 Jul and persisted through 14 Jul.

Image Reports

July 02 Total Solar Eclipse

CV-038 and many of his friends went to Chile to see this spectacular eclipse. A few of these pictures are featured here.

**June 2019's regions**

In June 2019 we had only two tiny groups. Regions 2742 and 2743 only reached class AXX and only stayed on disk for 1 and 4 days respectively.



You can find the access link through facebook:

<https://www.facebook.com/AstronomiaSigmaOctante/posts/2138457856265545>

Or direct to our web pages:

<http://www.astronomia.org.bo/astro/256-MemoriasEclipseTotalSol.pdf>

Awards this month

2

CV-009 BRAUCKHOFF, DIETER: 1000 CV-obs. on 05.06.2019

CV-080 JANSSENS, JAN: 1000 CV-obs. on 23.06.2019

Congratulations!

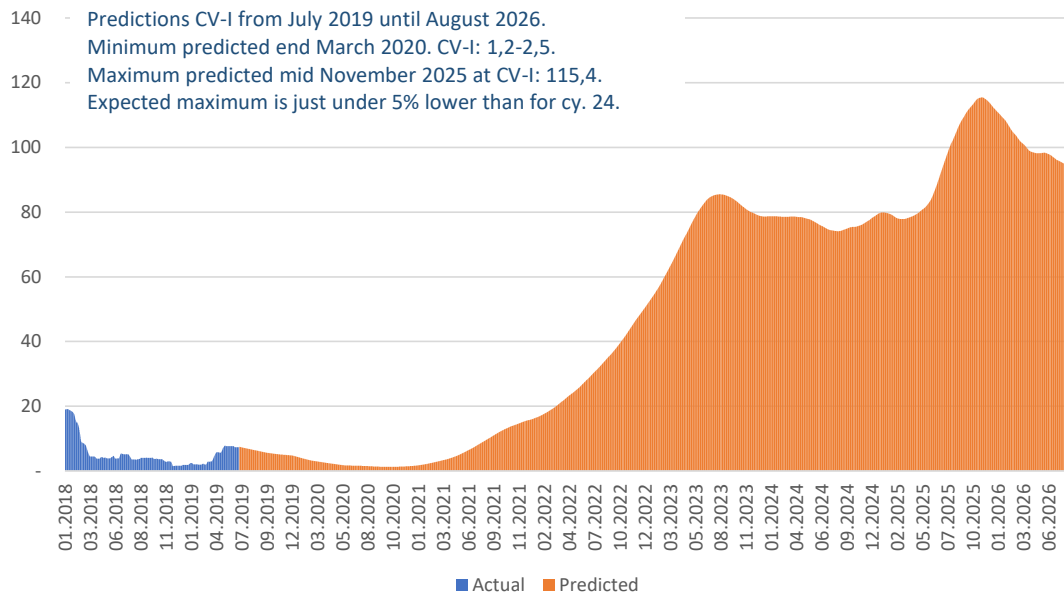
New member:

We are now 47 active members (last 12 mo.)

Please check out www.cv-helios.net/cvrep2.html for updates of files!

MINIMUM Cycle 24/25 is expected to occur between November 2019/May 2020.
Latest: Predicted minimum April 2020. Value: Approx. 2008/2009 low values.

End of solar cycle 24 and predictions for solar cycle 25

**Solar Coordinates**

Daily list of Solar Ephemeris for 2019 available at:

<https://www.cv-helios.net/helio2019/>

Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. for the year 2019.

Comes with tilted Stoneyhurst-chart to use for observations!

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!

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.

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

Registration data

Check if your CV-observations have been registered:

<https://www.cv-helios.net/cgi/data/datlist.txt> for checking of Entries Summary

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

SUBMISSIONS OF CV-OBSERVATIONS

Please note: We have improved! Please note the SECURE site "https" !

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

Log on to:

<https://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!



Per June 2019: Registration time average last 40 entries: 13 hours 48 minutes

CV-Helios Network

- over 36 years in solar amateur astronomy service!

There are now 11114 entries registered
containing 177084 CV-observations!

This MPR issued 15th July 2019



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(NOTE! from Dec 2018 a SECURE site)

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: 16.07.2019 08:43 UTC