

Monthly Preliminary Report

MPR



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CV-Helios Network

Monthly Preliminary Report for October 2019

Solar Cycle 24: Month no. 132

Report id.: cv1910 - CV-report no.: 459

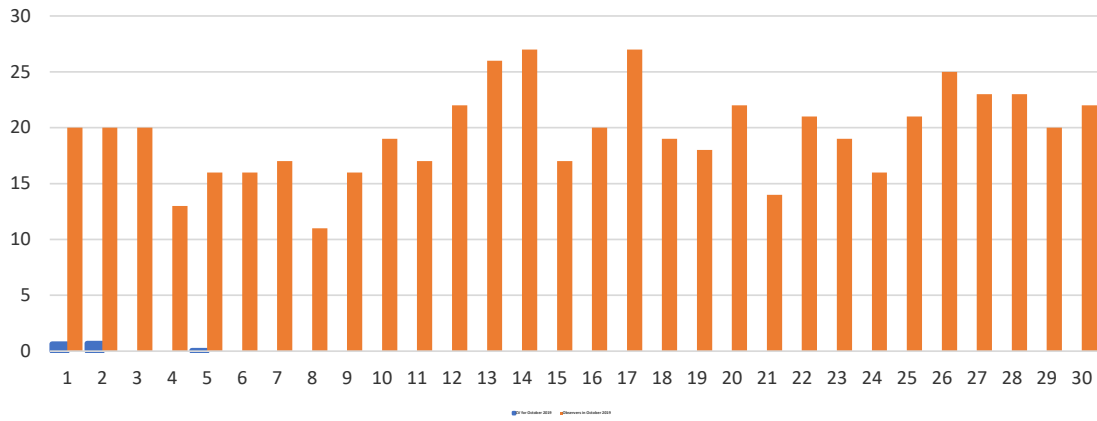
Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	0,1	20	1,128	8357
CV-009	BRAUCKHOFF, DIETER	GERMANY	0,0	17	0,000	1126
CV-010	DUBOIS, FRANKY	BELGIUM	0,1	22	3,076	8534
CV-019	JUNKER, ELMAR	GERMANY	0,0	13	0,000	3375
CV-020	HOLL, MANFRED	GERMANY	0,0	10	0,000	5328
CV-021	BARNES, HOWARD	NEW ZEALAND	0,0	11	0,000	4257
CV-022	VIERTEL, ANDREAS	GERMANY	0,0	13	0,000	5544
CV-023	BRETSCHNEIDER, HAR	GERMANY	0,0	26	0,868	4920
CV-038	MORALES, GERMAN	BOLIVIA	0,0	28	0,000	6975
CV-040	BATTAIOLA, ROBERTO	ITALY	0,0	5	0,000	1768
CV-041	ROTHERMEL, JENS	GERMANY	0,0	5	0,000	1064
CV-044	SCHRÖDER, GERD	GERMANY	0,0	9	0,000	4254
CV-068	THIMM, SVEN OVE	DENMARK	0,0	10	0,000	3585
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	0,2	15	4,512	2899
CV-080	JANSSENS, JAN	BELGIUM	0,5	2	11,280	1016
CV-082	URBANSKI, PIOTR	POLAND	0,0	23	0,000	4634
CV-086	TOS-POLAND	POLAND	0,1	31	1,455	7295
CV-091	DALEK, GRZEGORZ	POLAND	0,0	22	0,000	4010
CV-105	RYBACK, ALEXEY	RUSSIA	0,1	8	2,820	2884
CV-107	LEVENTHAL, MONTY	AUSTRALIA	0,0	24	0,000	4191
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	0,1	18	2,507	2405
CV-135	ARAUJO, GEMA	SPAIN	0,1	31	1,455	6102
CV-136	GARCÍA, FAUSTINO	SPAIN	0,0	18	0,000	3200
CV-139	ALONSO, JAVIER	SPAIN	0,1	21	2,149	3305
CV-151	CARELS, JEFFREY	BELGIUM	0,1	21	2,149	2500

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Memno.	Name	Country	CV	Obs	K	Obs. Tot.	
CV-171	MALUF, WALTER JOSE	BRAZIL	0,0	20	0,000	2019	
CV-177	BACKER, HENDRIK DE	BELGIUM	0,0	25	0,902	1444	
CV-181	DERDZIKOWSKI, ADAM	POLAND	0,0	6	0,000	883	
CV-201	BASU, SANTANU	INDIA	0,0	25	0,000	334	
CV-203	DEMEULENAERE, IVO	BELGIUM	0,0	17	0,000	396	
CV-204	MEISTER, STEFAN	SWITZERLAND	0,3	6	7,520	271	
CV-205	MANGELSDORF, TOM	UNITED STATES	0,0	1	0,000	25	
CV-206	FIGIEL, TADEUSZ	POLAND	0,0	3	0,000	136	
CV-207	ONDREJOV OBS. (AI CA	CZECH REPUBLIC	0,1	15	3,008	4991	
CV-208	NEYS, JOHAN	BELGIUM	0,0	5	0,000	242	
CV-209	MORAES, CAIO CRESPO	BRAZIL	0,0	5	0,000	509	
CV-210	BOURGEOIS, JEAN	BELGIUM	0,0	13	0,000	409	
CV-211	CEUNINCK, EDWIN DE	BELGIUM	0,2	20	3,384	288	
CV-212	ZAPATA MORALES, ANTONIO	SPAIN	0,0	18	0,000	189	
CV-213	LAURENT, DIRK	BELGIUM	0,1	10	2,256	141	
Totals	Observers	Days	CV	No	K		
	40	31	0,06	612	1,262		

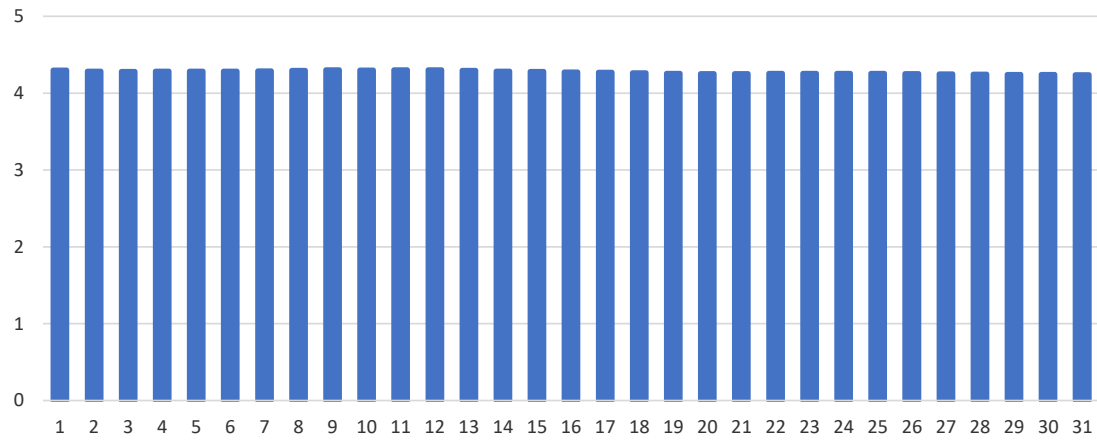
Results*CV-USAF prepared via data from
Joint USDC/NOAA, SWPC/USAF

Date	CV	Obsrvrs	Regions 6 rot.	* CV-USAF 6 rot.	CV-6 rot.	CV-13 rot.
1	0,65	20	0,22	2,05	2,43	4,30
2	0,70	20	0,23	2,06	2,43	4,29
3	0,00	20	0,23	2,06	2,43	4,28
4	0,00	13	0,23	2,06	2,43	4,29
5	0,06	16	0,23	2,06	2,42	4,29
6	0,00	16	0,23	2,06	2,43	4,28
7	0,00	17	0,23	2,06	2,44	4,29
8	0,00	11	0,23	2,06	2,45	4,30
9	0,00	16	0,23	2,06	2,45	4,30
10	0,00	19	0,23	2,06	2,45	4,30
11	0,00	17	0,23	2,06	2,46	4,31
12	0,00	22	0,23	2,06	2,46	4,30
13	0,00	26	0,23	2,06	2,46	4,30
14	0,00	27	0,22	1,82	2,44	4,29
15	0,00	17	0,21	1,57	2,32	4,28
16	0,00	20	0,21	1,27	2,21	4,28
17	0,00	27	0,20	1,15	2,03	4,27
18	0,00	19	0,18	1,02	1,81	4,26
19	0,00	18	0,17	0,91	1,55	4,26
20	0,00	22	0,16	0,80	1,35	4,25
21	0,00	14	0,15	0,70	1,14	4,26
22	0,00	21	0,13	0,59	0,97	4,26
23	0,00	19	0,12	0,49	0,76	4,26
24	0,00	16	0,11	0,40	0,56	4,26
25	0,00	21	0,10	0,34	0,39	4,26
26	0,00	25	0,09	0,27	0,29	4,25
27	0,00	23	0,09	0,23	0,23	4,25
28	0,00	23	0,08	0,19	0,18	4,25
29	0,00	20	0,07	0,15	0,11	4,24
30	0,00	22	0,07	0,15	0,11	4,24
31	0,04	25	0,07	0,15	0,11	4,24
Totals/ Avrgs	0,05	19,7	0,02	0,03	1,62	4,27

CV and CV observers



CV-13 rot. per October 2019



Solar Region Summary for October 2019

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

2749-01.10.19-02.10.19-S09-129-2222-0-0-1,0-AXX-0-0-0-0-0-0-0-0-0-0-0-

-----**:Product: Weekly Highlights and Forecasts**

:Issued: 2019 Nov 11 0043 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

04 - 10 November 2019

Solar activity was very low. The solar disk was spotless 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 reached high levels on 04-06, 08 Nov and moderate levels on 07, 09-10 Nov.

Geomagnetic field activity reached unsettled levels on 06 Nov and quiet levels throughout the remainder of the period, under a nominal solar wind regime.

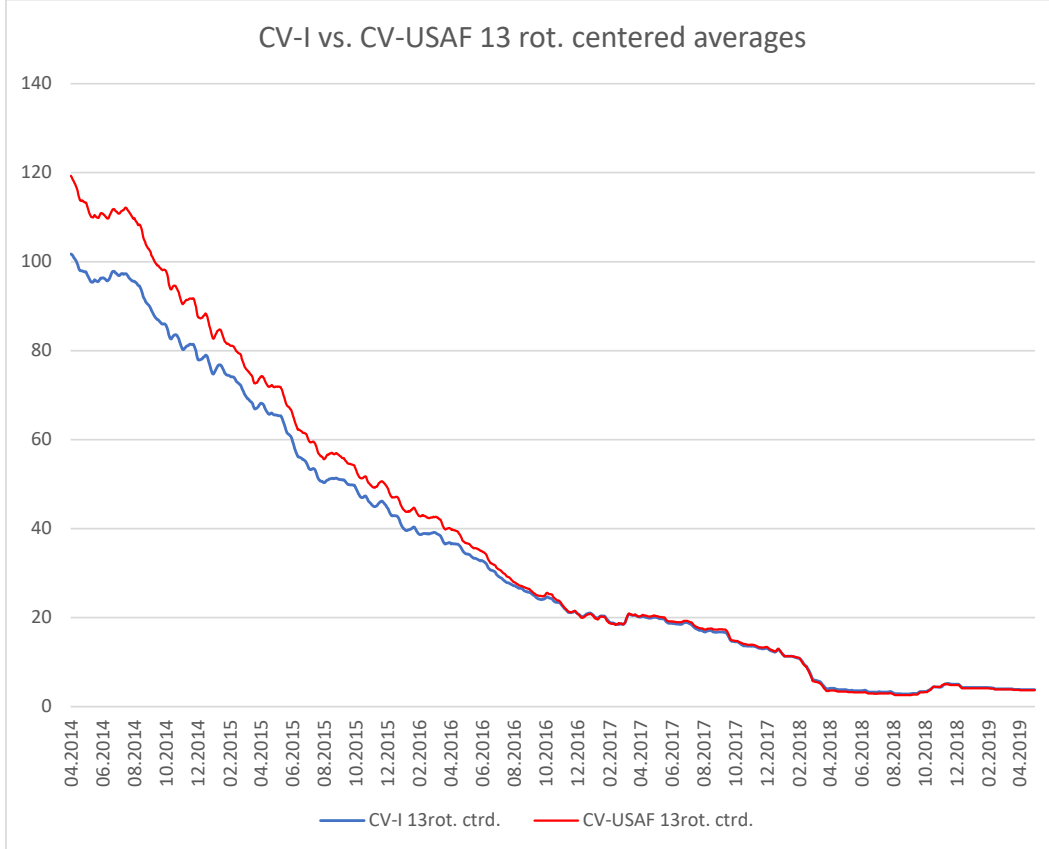
Forecast of Solar and Geomagnetic Activity

11 November - 07 December 2019

Solar activity is expected to be at very low levels throughout the outlook period.

CV-I vs CV-USAF graph

Solar minimum approaching



In these pre-min.-times we here present you graph above showing CV-I against CV-USAF as a 13-rot. centered average 07.04.2014-07.05.2019, hoping interesting sunspotregions appear again soon.

Awards this month

2

- CV-171 MALUF, WALTER JOSE: 2000 CV-obs. on 01.10.2019
- CV-091 DALEK, GRZEGORZ: 4000 CV-obs. on 17.10.2019

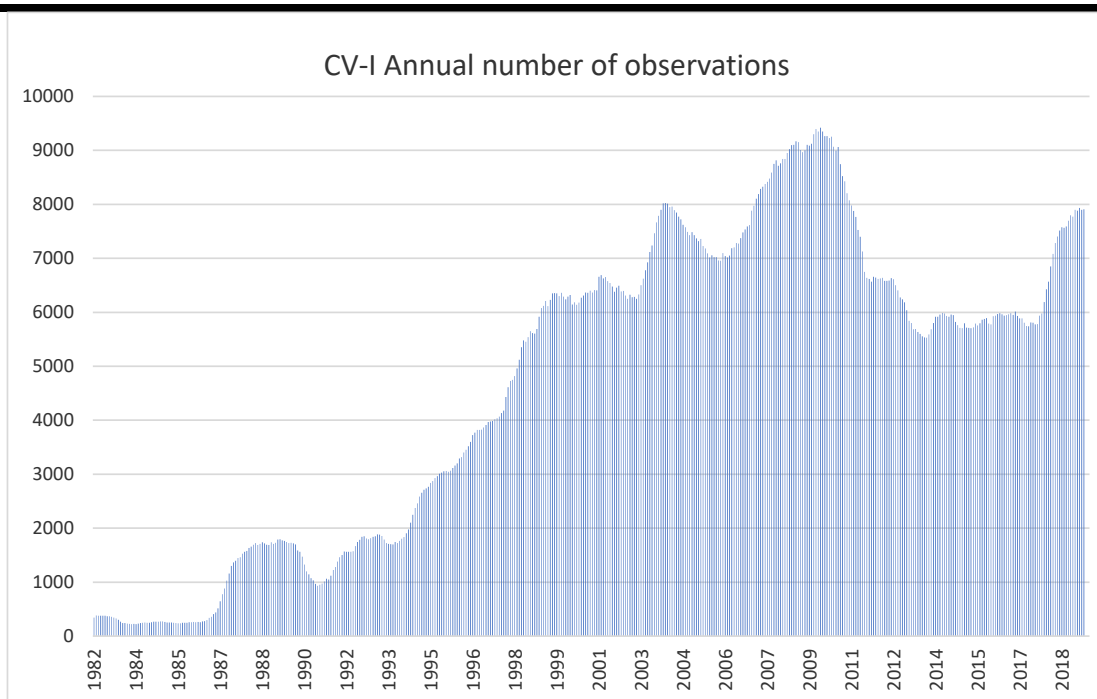
Congratulations!

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.



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 October 2019: Registration time average last 40 entries: 17 hours 37 minutes

CV-Helios Network
- over 36 years in solar amateur astronomy service!

There are now 11276 entries registered
 containing 179985 CV-observations!

This MPR issued 15th November 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: 15.11.2019 17:19 UTC