

Monthly Preliminary Report

MPR



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CV-Helios Network

Monthly Preliminary Report for November 2019

Solar Cycle 24: Month no. 133

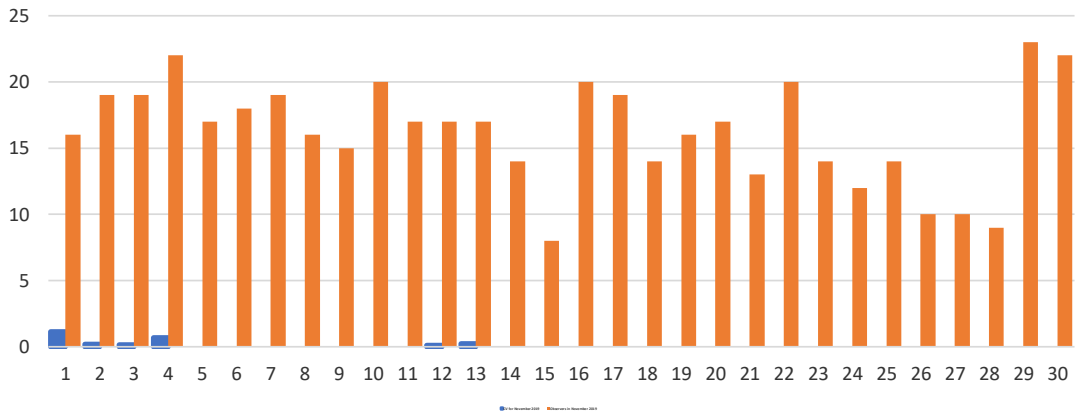
Report id.: cv1911 - CV-report no.: 460

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	0,1	16	1,294	8373
CV-009	BRAUCKHOFF, DIETER	GERMANY	0,4	20	4,140	1146
CV-010	DUBOIS, FRANKY	BELGIUM	0,0	24	0,000	8558
CV-019	JUNKER, ELMAR	GERMANY	0,0	5	0,000	3380
CV-020	HOLL, MANFRED	GERMANY	0,0	12	0,000	5340
CV-021	BARNES, HOWARD	NEW ZEALAND	0,0	16	0,000	4273
CV-022	VIERTEL, ANDREAS	GERMANY	0,0	7	0,000	5551
CV-023	BRETSCHNEIDER, HAR	GERMANY	0,0	17	0,000	4937
CV-038	MORALES, GERMAN	BOLIVIA	0,0	25	0,000	7000
CV-041	ROTHERMEL, JENS	GERMANY	0,0	1	0,000	1065
CV-044	SCHRÖDER, GERD	GERMANY	0,0	7	0,000	4261
CV-068	THIMM, SVEN OVE	DENMARK	0,0	3	0,000	3588
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	0,0	10	0,000	2909
CV-080	JANSSENS, JAN	BELGIUM	0,0	2	0,000	1018
CV-082	URBANSKI, PIOTR	POLAND	0,4	8	3,881	4642
CV-086	TOS-POLAND	POLAND	0,2	30	2,070	7325
CV-091	DALEK, GRZEGORZ	POLAND	0,0	10	0,000	4020
CV-103	STEEN, OCTAAF	BELGIUM	0,2	22	1,882	5165
CV-105	RYBACK, ALEXEY	RUSSIA	0,1	10	1,035	2894
CV-107	LEVENTHAL, MONTY	AUSTRALIA	0,0	19	0,000	4210
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	0,3	12	2,587	2417
CV-135	ARAUJO, GEMA	SPAIN	0,3	29	2,855	6131
CV-136	GARCÍA, FAUSTINO	SPAIN	0,1	10	1,035	3210
CV-139	ALONSO, JAVIER	SPAIN	0,0	11	0,000	3316
CV-151	CARELS, JEFFREY	BELGIUM	0,1	21	0,986	2521

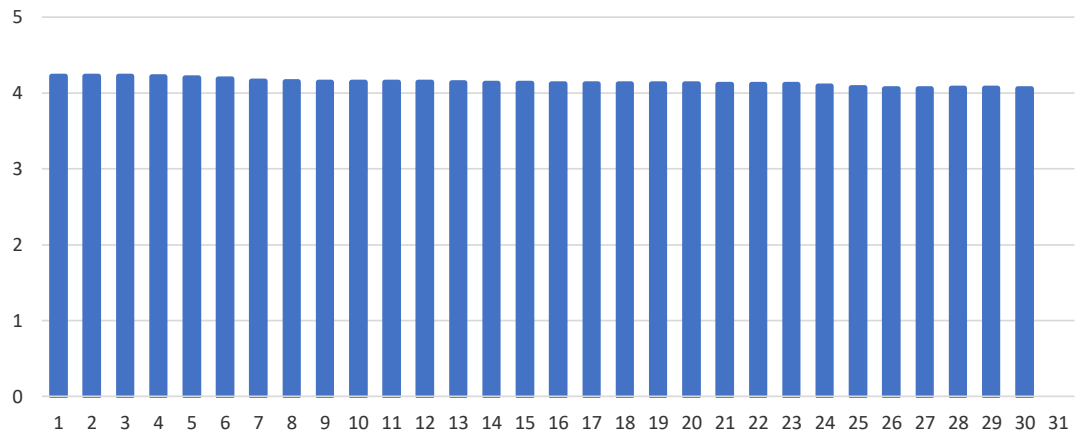
Volume 39 Number 11		MPR no. 460		November 2019		ISSN 2535-3780	
Memno.	Name	Country	CV	Obs	K	Obs. Tot.	
CV-171	MALUF, WALTER JOSE	BRAZIL	0,0	15	0,000	2034	
CV-177	BACKER, HENDRIK DE	BELGIUM	0,0	24	0,431	1468	
CV-201	BASU, SANTANU	INDIA	0,0	22	0,000	356	
CV-203	DEMEULENAERE, IVO	BELGIUM	0,0	17	0,000	413	
CV-205	MANGELSDORF, TOM	UNITED STATES	0,0	1	0,000	26	
CV-206	FIGIEL, TADEUSZ	POLAND	0,0	1	0,000	137	
CV-207	ONDREJOV OBS. (AI CA	CZECH REPUBLIC	0,7	6	6,899	4997	
CV-208	NEYS, JOHAN	BELGIUM	0,0	5	0,000	247	
CV-209	MORAES, CAIO CRESPO	BRAZIL	0,0	1	0,000	510	
CV-210	BOURGEOIS, JEAN	BELGIUM	0,0	6	0,000	415	
CV-211	CEUNINCK, EDWIN DE	BELGIUM	0,2	20	1,552	308	
CV-212	ZAPATA MORALES, ANTON	SPAIN	0,0	10	0,000	199	
CV-213	LAURENT, DIRK	BELGIUM	0,0	12	0,000	153	
Totals	Observers	Days	CV	No	K		
	38	30	0,08	487	0,806		

Results						*CV-USAF prepared via data from Joint USDC/NOAA, SWPC/USAF	Prelim. MIN
Date	CV	Obsrvrs	Regions 6 rot.	* CV-USAF 6 rot.	CV-6 rot.	CV-13 rot.	
1	1,13	16	0,08	0,15	0,11	4,22	
2	0,21	19	0,09	0,16	0,11	4,22	
3	0,16	19	0,09	0,16	0,11	4,22	
4	0,68	22	0,09	0,16	0,12	4,21	
5	0,00	17	0,09	0,16	0,12	4,20	
6	0,00	18	0,09	0,16	0,12	4,18	
7	0,00	19	0,09	0,16	0,12	4,15	
8	0,00	16	0,09	0,16	0,12	4,15	
9	0,00	15	0,09	0,16	0,11	4,15	
10	0,00	20	0,09	0,16	0,11	4,14	
11	0,00	17	0,09	0,16	0,11	4,14	
12	0,12	17	0,09	0,16	0,12	4,14	
13	0,24	17	0,09	0,16	0,12	4,13	
14	0,00	14	0,09	0,16	0,12	4,13	
15	0,00	8	0,09	0,16	0,12	4,13	
16	0,00	20	0,09	0,16	0,12	4,12	
17	0,00	19	0,09	0,16	0,12	4,12	
18	0,00	14	0,09	0,16	0,12	4,12	
19	0,00	16	0,09	0,16	0,12	4,12	
20	0,00	17	0,09	0,16	0,12	4,12	
21	0,00	13	0,09	0,16	0,12	4,11	
22	0,00	20	0,09	0,16	0,12	4,11	
23	0,00	14	0,09	0,16	0,12	4,11	
24	0,00	12	0,09	0,16	0,12	4,09	
25	0,00	14	0,09	0,16	0,12	4,07	
26	0,00	10	0,09	0,16	0,12	4,06	
27	0,00	10	0,09	0,16	0,12	4,06	
28	0,00	9	0,09	0,16	0,12	4,06	
29	0,00	23	0,09	0,16	0,12	4,06	
30	0,00	22	0,09	0,16	0,12	4,05	
Totals/ Avrgs	0,08	16,2	0,07	0,10	0,12	4,13	

CV and CV observers



CV-13 rot. per November 2019



Solar Region Summary for November 2019

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

2750-01.11.19-01.11.19-S28-116-2223-10-1-1,0-AXX-0-0-0-0-0-0-0-0-0-0-0-0-

2751-02.11.19-02.11.19-N05-154-2223-10-1-2,0-BXO-0-0-0-0-0-0-0-0-0-0-0-0-

:Product: Weekly Highlights and Forecasts

:Issued: 2019 Dec 09 0053 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

02 - 08 December 2019

Solar activity was very low throughout the period. No active regions with sunspots were observed and no earth-directed CMEs were detected in satellite imagery.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal and normal to moderate levels throughout the week.

Geomagnetic field activity was quiet throughout the week under a nominal solar wind regime.

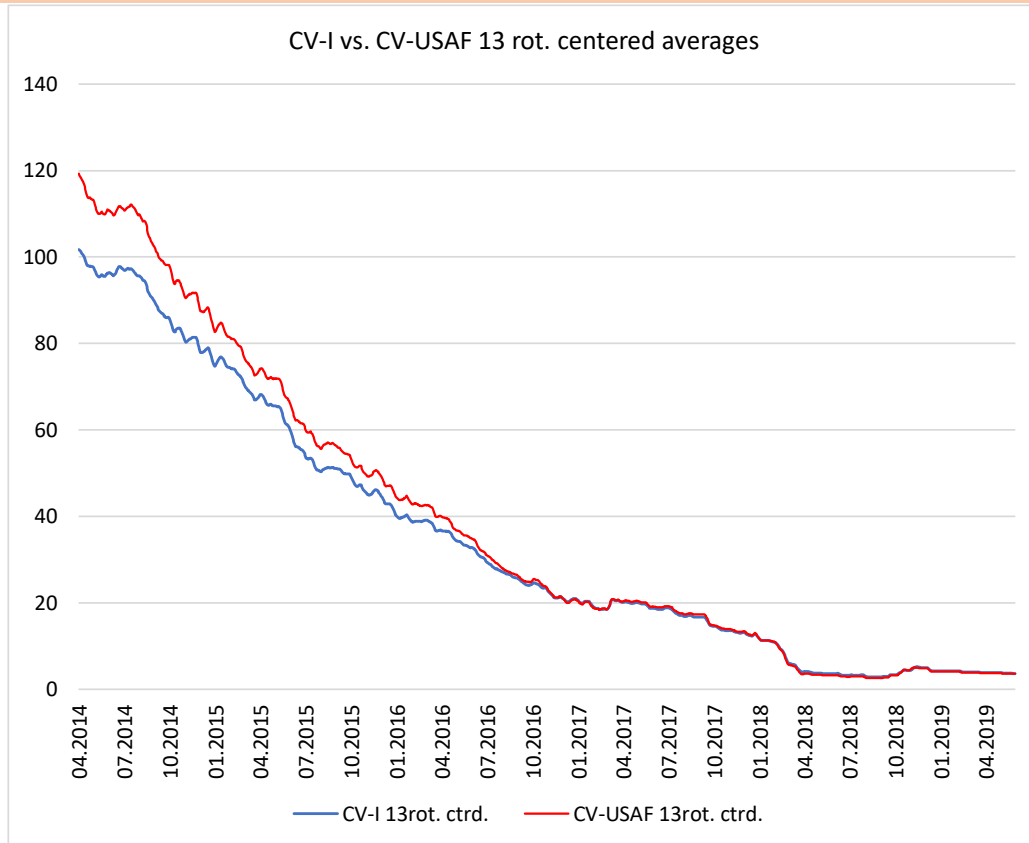
Forecast of Solar and Geomagnetic Activity

09 December - 04 January 2020

Solar activity is expected to be very low 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 07.04.2014-06.06.2019, hoping interesting sunspotregions appear again soon.

Awards this month

1

CV-038 MORALES, GERMAN: 7000 CV-obs. on 30.11.2019

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 November 2019: Registration time average last 40 entries: 21 hours 5 minutes

CV-Helios Network

- over 36 years in solar amateur astronomy service!

There are now 11315 entries registered
containing 180499 CV-observations!

This MPR issued 15th December 2019



CV-Helios Network

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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: 15.12.2019 19:30 UTC