

Monthly Preliminary Report

MPR



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CV-Helios Network

Monthly Preliminary Report for February 2020

Solar Cycle 24: Month no. 136

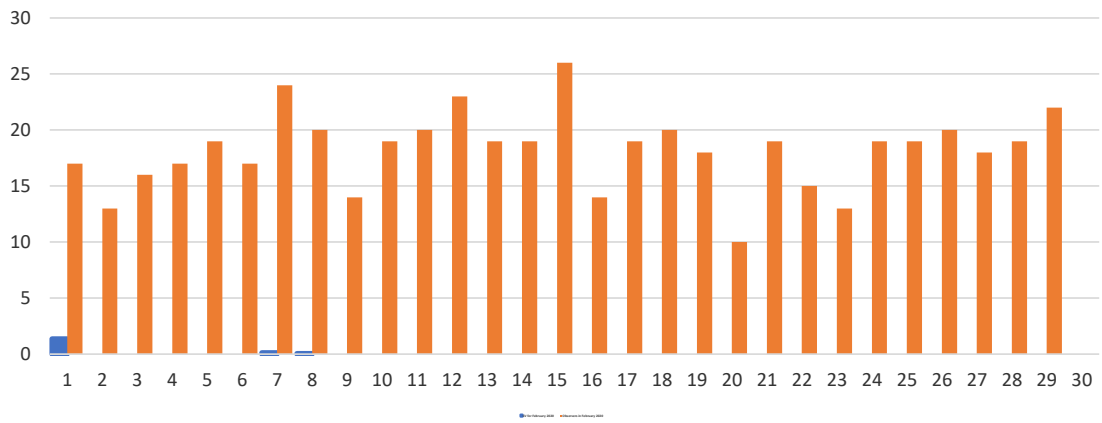
Report id.: cv2002 - CV-report no.: 463

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	0,0	16	0,000	8415
CV-009	BRAUCKHOFF, DIETER	GERMANY	0,0	23	0,000	1214
CV-010	DUBOIS, FRANKY	BELGIUM	0,0	22	1,024	8615
CV-019	JUNKER, ELMAR	GERMANY	0,0	10	0,000	3408
CV-021	BARNES, HOWARD	NEW ZEALAND	0,0	16	0,000	4315
CV-022	VIERTEL, ANDREAS	GERMANY	0,0	9	0,000	5575
CV-023	BRETSCHNEIDER, HAR	GERMANY	0,0	19	0,000	4994
CV-038	MORALES, GERMAN	BOLIVIA	0,0	18	0,000	7070
CV-040	BATTAIOLA, ROBERTO	ITALY	0,0	6	0,000	1782
CV-041	ROTHERMEL, JENS	GERMANY	0,0	7	0,000	1080
CV-044	SCHRÖDER, GERD	GERMANY	0,0	17	0,000	4315
CV-068	THIMM, SVEN OVE	DENMARK	0,0	3	0,000	3596
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	0,1	18	1,251	2958
CV-080	JANSSENS, JAN	BELGIUM	0,0	2	0,000	1023
CV-082	URBANSKI, PIOTR	POLAND	0,0	14	0,000	4678
CV-091	DALEK, GRZEGORZ	POLAND	0,0	17	0,000	4059
CV-103	STEEN, OCTAAF	BELGIUM	0,1	29	1,553	5235
CV-105	RYBACK, ALEXEY	RUSSIA	0,0	5	0,000	2912
CV-107	LEVENTHAL, MONTY	AUSTRALIA	0,0	14	0,000	4239
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	0,0	16	0,000	2464
CV-135	ARAUJO, GEMA	SPAIN	0,2	29	3,883	6219
CV-136	GARCÍA, FAUSTINO	SPAIN	0,0	13	0,000	3252
CV-139	ALONSO, JAVIER	SPAIN	0,0	25	0,000	3375
CV-151	CARELS, JEFFREY	BELGIUM	0,1	20	1,126	2569
CV-171	MALUF, WALTER JOSE	BRAZIL	0,0	10	0,000	2080

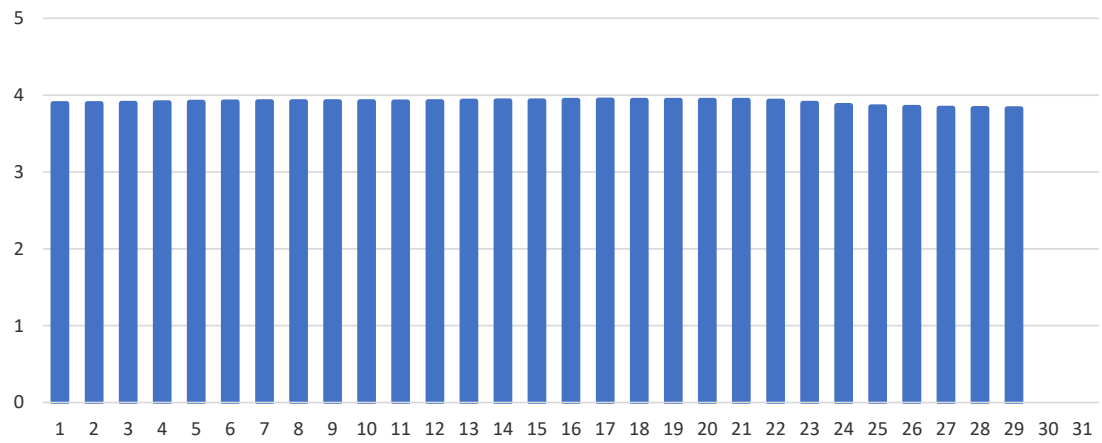
Results*CV-USAF prepared via data from
Joint USDC/NOAA, SWPC/USAF

Date	CV	Obsvrs	Regions 6 rot.	* CV-USAF 6 rot.	CV-6 rot.	CV-13 rot.
1	1,35	17	0,15	0,55	0,59	3,89
2	0,00	13	0,15	0,55	0,59	3,89
3	0,00	16	0,15	0,55	0,59	3,89
4	0,00	17	0,15	0,55	0,60	3,90
5	0,00	19	0,15	0,55	0,60	3,91
6	0,00	17	0,15	0,55	0,60	3,91
7	0,13	24	0,15	0,55	0,60	3,91
8	0,05	20	0,15	0,55	0,60	3,91
9	0,00	14	0,15	0,55	0,60	3,91
10	0,00	19	0,15	0,55	0,61	3,91
11	0,00	20	0,15	0,55	0,61	3,91
12	0,00	23	0,14	0,54	0,59	3,91
13	0,00	19	0,13	0,48	0,58	3,92
14	0,00	19	0,13	0,48	0,58	3,93
15	0,00	26	0,13	0,48	0,58	3,93
16	0,00	14	0,13	0,48	0,58	3,93
17	0,00	19	0,13	0,48	0,58	3,93
18	0,00	20	0,13	0,48	0,58	3,93
19	0,00	18	0,13	0,48	0,59	3,93
20	0,00	10	0,13	0,48	0,59	3,93
21	0,00	19	0,13	0,48	0,59	3,93
22	0,00	15	0,13	0,48	0,59	3,92
23	0,00	13	0,13	0,48	0,59	3,89
24	0,00	19	0,13	0,48	0,59	3,86
25	0,00	19	0,13	0,48	0,60	3,85
26	0,00	20	0,13	0,48	0,60	3,84
27	0,00	18	0,13	0,48	0,60	3,83
28	0,00	19	0,13	0,48	0,60	3,83
29	0,00	22	0,13	0,48	0,60	3,82
			0,13	0,48		
Totals/ Avrgs	0,05	18,2	0,04	0,00	0,59	3,90

CV and CV observers

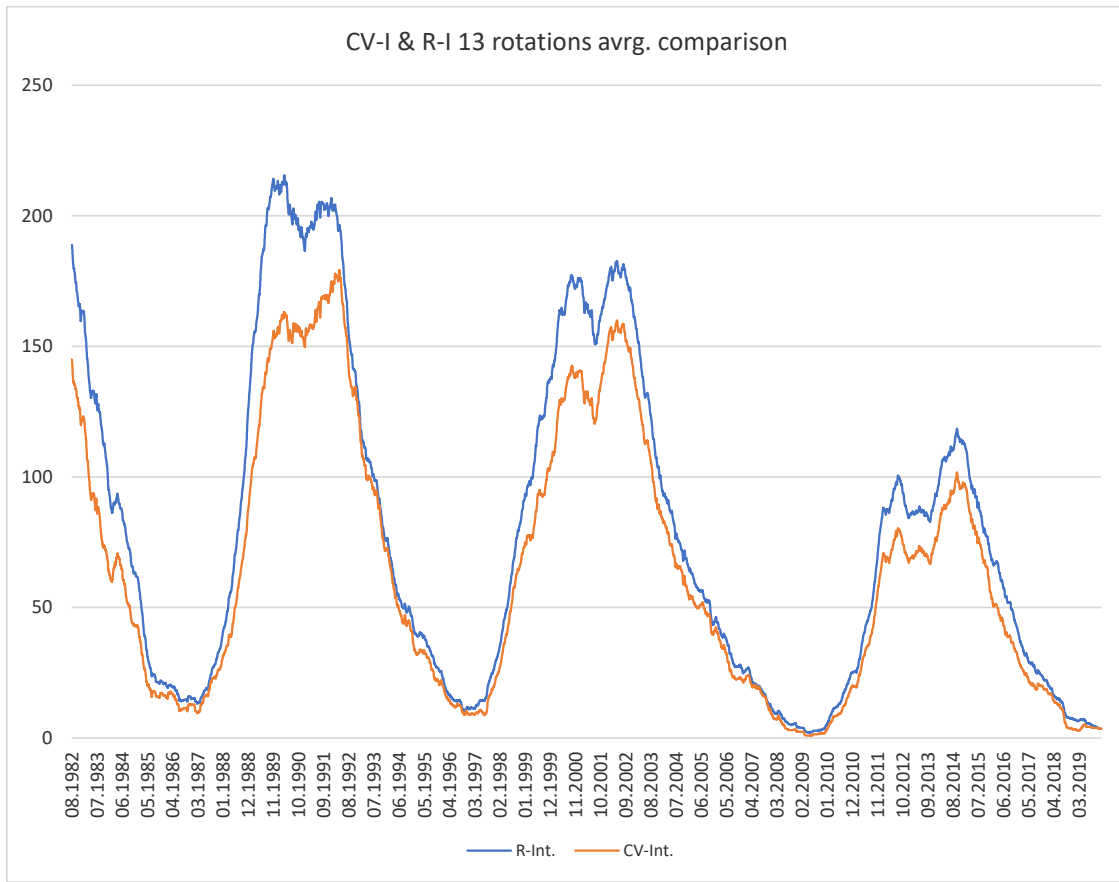


CV-13 rot. per February 2020



CV-I vs R-I graph

Solar minimum approaching



[Awards this month](#)

0

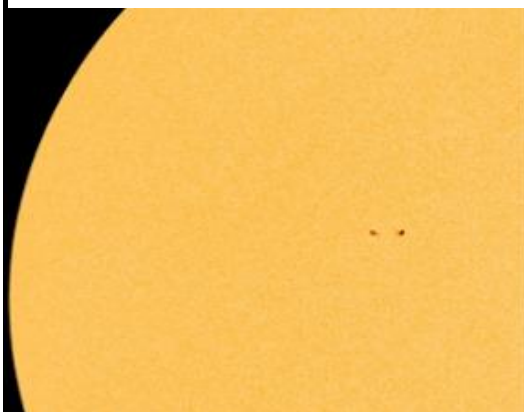
[New member:](#)

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

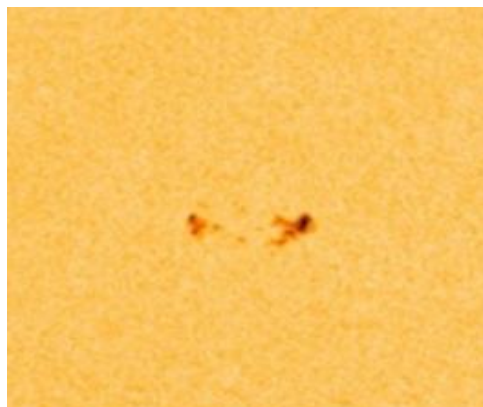
Please check out www.cv-helios.net/cvrep2.html for updates of files!

MINIMUM Cycle 24/25 was expected to occur between November 2019/May 2020.

Latest: MINIMUM MAY HAVE OCCURRED END DEC. 2019. See page 10 for more.

January 2020 news

Reg. 2757 N04 85
left - and right close up
(rot. 2225)
Old cycle 24



Region 2757 left us as an AXX on Feb 1st.
Here are again the pictures from January.

Sun was blank for 28 days (2nd to 29th)

A preliminary low on Adj. Solar Flux on 2019 Dec 22 & 2020 Jan 06. More news later.

Solar Coordinates

Daily list of Solar Ephemeris for 2020 available at:

[Daily list of Solar Ephemeris for 2020](#)

Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec.
for the year 2020.

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

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 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

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

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



Per February 2020: Registration time average last 40 entries: 4 hours 51 minutes

CV-Helios Network
- over 38 years in solar amateur astronomy service!

There are now 11434 entries registered
containing 182135 CV-observations!

This MPR issued 15th March 2020



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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: 16.03.2020 12:57 UTC