

Monthly Preliminary Report

MPR



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CV-Helios Network

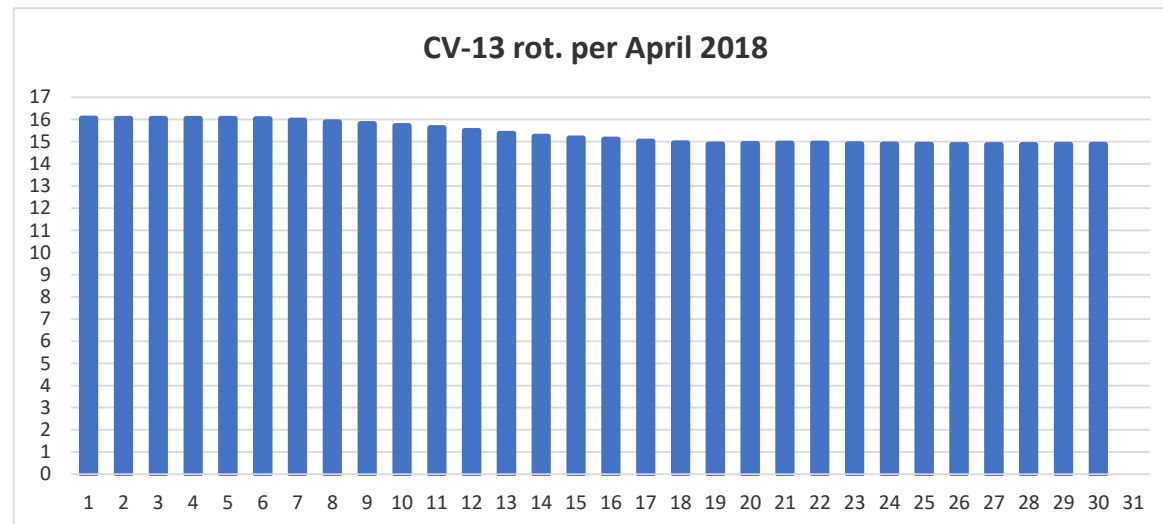
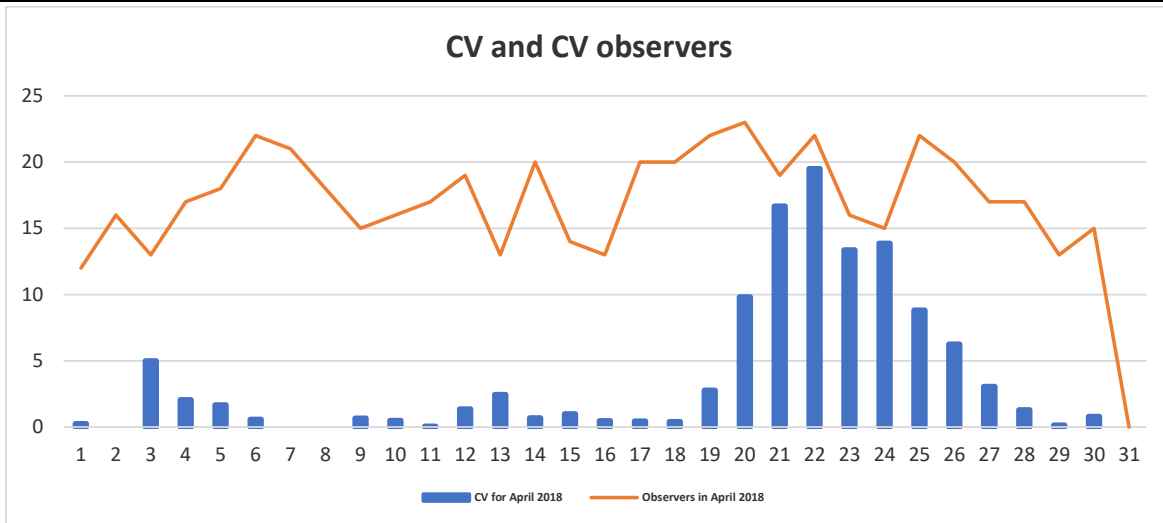
Monthly Preliminary Report for April 2018

Solar Cycle 24: Month no. 114

Report id.: cv1804.xls - CV-report no.: 441

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	3,1	20	0,762	7980
CV-010	DUBOIS, FRANKY	BELGIUM	3,2	28	0,790	8085
CV-019	JUNKER, ELMAR	GERMANY	4,2	14	1,036	3224
CV-020	HOLL, MANFRED	GERMANY	3,5	27	0,856	4984
CV-021	BARNES, HOWARD	NEW ZEALAND	1,1	8	0,277	4023
CV-023	BRETSCHNEIDER, HAR	GERMANY	3,1	27	0,765	4593
CV-038	MORALES, GERMAN	BOLIVIA	6,2	29	1,517	6486
CV-040	BATTAIOLA, ROBERTO	ITALY	8,6	5	2,114	1690
CV-044	SCHRÖDER, GERD	GERMANY	2,3	26	0,577	3966
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	6,3	7	1,545	2575
CV-080	JANSENS, JAN	BELGIUM	9,6	7	2,353	927
CV-082	URBANSKI, PIOTR	POLAND	1,9	28	0,474	4252
CV-086	TOS-POLAND	POLAND	2,8	30	0,680	6746
CV-091	DALEK, GRZEGORZ	POLAND	4,2	27	1,038	3664
CV-104	MEEUS, LIEVE	BELGIUM	6,4	7	1,580	2133
CV-105	RYBACK, ALEXEY	RUSSIA	3,1	10	0,762	2713
CV-107	LEVENTHAL, MONTY	AUSTRALIA	19,0	21	4,670	3821
CV-116	BJERKGÅRD, TERJE	NORWAY	1,8	13	0,435	812
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	2,0	25	0,482	2046
CV-135	ARAUJO, GEMA	SPAIN	4,1	29	1,017	5562
CV-136	GARCÍA, FAUSTINO	SPAIN	1,8	21	0,433	2950
CV-139	ALONSO, JAVIER	SPAIN	4,4	14	1,071	2963
CV-151	CARELS, JEFFREY	BELGIUM	4,4	21	1,077	2119
CV-171	MALUF, WALTER JOSE	BRAZIL	4,0	15	0,983	1699
CV-181	DERDZIKOWSKI, ADAM	POLAND	1,6	17	0,390	778
CV-202	ZAMORA, JORDI	SPAIN	2,7	29	0,670	503
CV-204	MEISTER, STEFAN	SWITZERLAND	3,4	19	0,841	37
CV-206	FIGIEL, TADEUSZ	POLAND	5,0	1	1,229	1
Totals	Observers	Days	CV	No	K	
	28	30	4,42	525	1,086	

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Results						
Date	CV	Obsrvrs	USAF	std.dev.	CV-6 rot.	CV-13 rot.
1	0,25	12			4,55	16,06
2	0,00	16			4,54	16,03
3	5,00	13	1,46	2,50	4,51	16,05
4	2,06	17	0,27	1,27	4,46	16,05
5	1,67	18	0,15	1,07	4,37	16,04
6	0,59	22			4,27	16,02
7	0,00	21			4,13	15,96
8	0,00	18			4,04	15,88
9	0,67	15			3,93	15,80
10	0,50	16			3,85	15,72
11	0,06	17			3,78	15,62
12	1,37	19	0,08	0,91	3,76	15,49
13	2,46	13	0,40	1,46	3,77	15,36
14	0,70	20			3,76	15,24
15	1,00	14	0,00	0,71	3,77	15,16
16	0,46	13			3,78	15,10
17	0,45	20			3,77	15,01
18	0,40	20			3,77	14,94
19	2,77	22	0,51	1,60	3,79	14,89
20	9,83	23	4,07	4,07	3,88	14,91
21	16,68	19	8,52	5,78	4,01	14,92
22	19,50	22	10,51	6,36	4,19	14,92
23	13,38	16	6,29	5,01	4,29	14,90
24	13,87	15	6,61	5,13	4,39	14,89
25	8,82	22	3,48	3,77	4,46	14,87
26	6,25	20	2,08	2,95	4,51	14,86
27	3,06	17	0,62	1,72	4,45	14,85
28	1,29	17	0,06	0,87	4,37	14,86
29	0,15	13			4,33	14,87
30	0,80	15			4,27	14,87
Totals/ Avrgs	3,80	17,5	2,82	2,82	6,46	16,13



Solar Region Summary for April 2018

<u>Reg.-First day-Last day-Lat.-Lon.-Rot.-Area-Lgth.-CVtot.-class14d</u>
2703-31.03.18-01.04.18-S08-192-2202-10-1-1,0-AXX-AXX
2704-13.04.18-15.04.18-N10-30-2202-30-2-1,7-BXO-BXO-AXX
2706-20.04.18-28.04.18-N04-281-2203-20-2-8,2-BXO-CAO-DAO-DAO-CAO-CAO-CRO-HRX-AXX
2707-22.04.18-22.04.18-S10-294-2203-10-0-1,0-AXX

:Product: Weekly Highlights and Forecasts

:Issued: 2018 May 14 0629 UTC
 # Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center
 # Product description and SWPC contact on the Web
 # <http://www.swpc.noaa.gov/weekly.html>
 #
 # Weekly Highlights and Forecasts
 #
 Highlights of Solar and Geomagnetic Activity
 07 - 13 May 2018

Solar activity was very low throughout the period and no reportable events were observed.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached very high levels on 9-11 May and high levels were observed throughout the remainder of the period.

Geomagnetic field activity was at quiet to active levels on 07-09, 11-12 May due to the influence of a negative polarity coronal hole/high speed solar wind stream. Quiet to unsettled levels were observed on 10 May, and conditions were quiet on 13 May.

Forecast of Solar and Geomagnetic Activity
 14 May - 09 June 2018

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

Image Reports

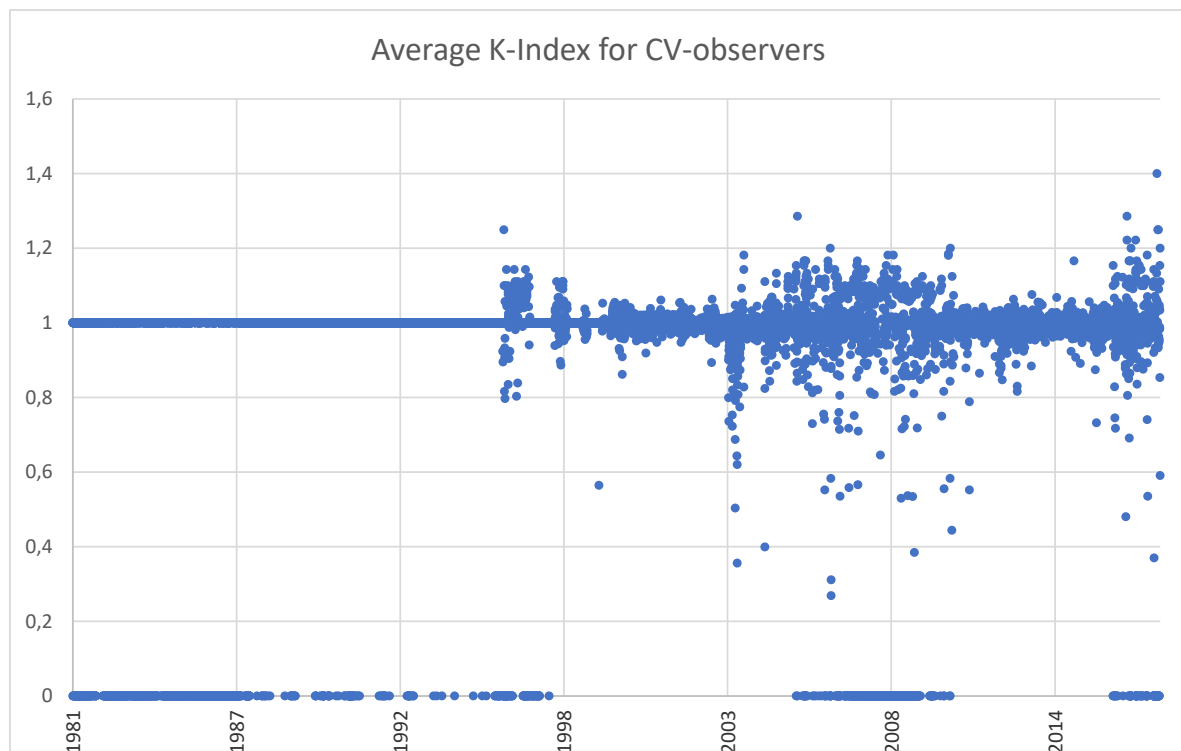


Monty Leventhal OAM. May 3rd 2018 23.40hrs UT.
Supported by the Donovan Astronomical Trust.
Double Arch Prominence. Height approximately 65,000km, &
140,000km wide

Digital snapshot of the Sun showing an active Prominence on the NE limb.
The eruption could come from the region 2709 that showed up later on in May.
CV-107 Monty Leventhal OAM, Australia.

[Please check out www.cv-helios.net/cvrep2.html](http://www.cv-helios.net/cvrep2.html) for updates of files!

MINIMUM Cycle 24/25 is expected to occur at the very end of 2019/start 2020.
Predicted extreme early April/May 2019, but most likely min. is March 2020.



Want Solar Coordinates?

Daily list of Solar Ephemeris for 2018 available at:

<http://www.cv-helios.net/helio2018/>

Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. for the year 2017.

Comes with tilted Stoneyhurst-chart to use for observations!

For your convenience and security, use the mif2002,

<http://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.

CV-Helios Network: Monitor MPR progress as entries are made!

In order for the observers to monitor that their submissions

have been registered at CV-Helios Network, a new feature has been made in March 2014:

Just enter the following link in your internet browser and you will see a page containing today's date and a further link into an excel sheet that is created automatically for every Entry made to the CV-Helios Network database and also one copy for every day of the year.

The preliminary MPR visible will remain visible for the entire calendar month.

The data are available fresh from about 10:00 UTC until local midnight.

Another feature made gives you daily information for the last 6 rotations for:

Date, USAF-CV, USAF-CV6rot, FluxAdj, FluxAdj6rot, FluxObs, FluxObs6rot, SunspotArea,

SunspotArea6rot, PIndex6rot, Lat. N/S hem.6rot, SolarWind, SolarWind6rot.

Use this link to see also this feature.

<http://cv-helios.net/helios/cv/web/mprpost.html>

Daily Report issued 10:00 UTC

<http://www.cv-helios.net/cgi/data/datlist.txt>

for checking of Entries Summary

IMPORTANT NOTICE!

2017 Sep 07

Due to cases of spamming and our host does not appreciate us using cgi-scripts during submission of observer forms, the scripts have been altered. Observers will not notice the changes made, but they should now be much safer when we now go over to php-scripts. Good Luck!

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

<http://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!



CV-Helios Network

- over 36 years in solar amateur astronomy service!

There are now 10202 entries registered containing 161973 CV-observations!

This MPR issued 15th Mai 2018



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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: 15.05.2018 18:39 UTC