

Monthly Preliminary Report

MPR



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CV-Helios Network

Monthly Preliminary Report for July 2018

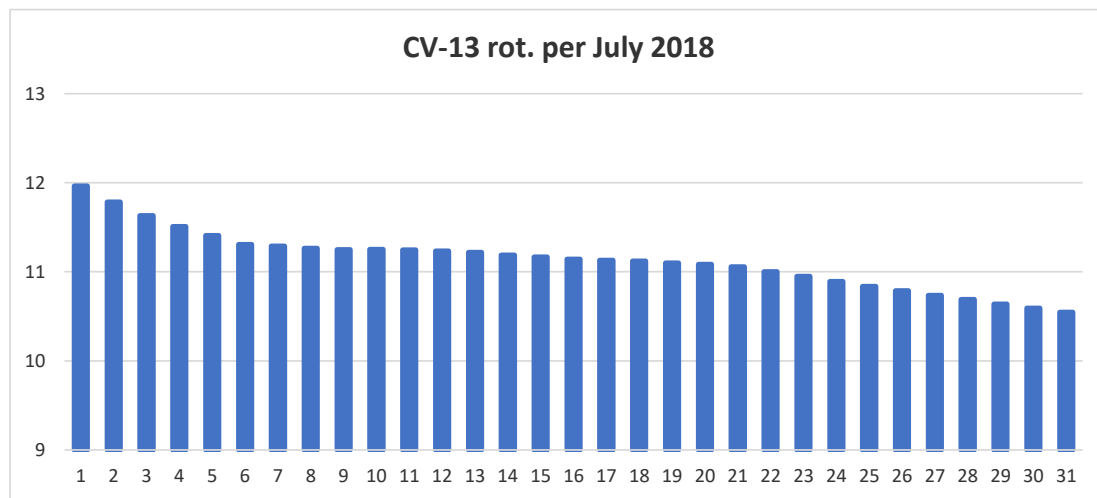
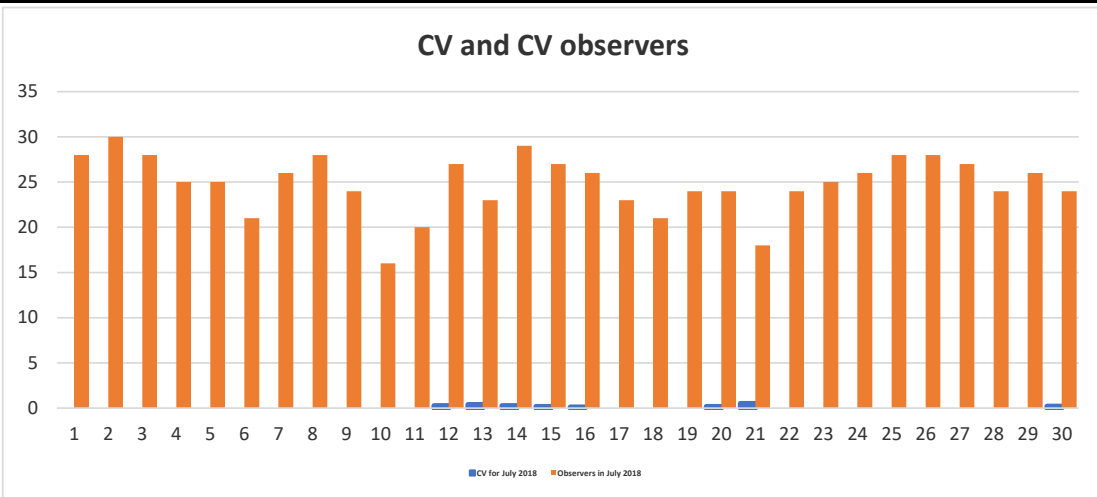
Solar Cycle 24: Month no. 117

Report id.: cv1807.xls - CV-report no.: 444

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	0,0	27	0,000	8060
CV-010	DUBOIS, FRANKY	BELGIUM	0,1	31	1,461	8165
CV-019	JUNKER, ELMAR	GERMANY	0,0	11	0,000	3256
CV-020	HOLL, MANFRED	GERMANY	0,1	29	1,562	5064
CV-021	BARNES, HOWARD	NEW ZEALAND	0,0	10	0,000	4057
CV-022	VIERTEL, ANDREAS	GERMANY	0,0	25	0,000	5333
CV-023	BRETSCHNEIDER, HART	GERMANY	0,1	29	1,562	4667
CV-038	MORALES, GERMAN	BOLIVIA	0,0	31	0,000	6575
CV-041	ROTHERMEL, JENS	GERMANY	0,1	14	2,157	953
CV-044	SCHRÖDER, GERD	GERMANY	0,0	23	0,000	4034
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	0,0	26	0,000	2645
CV-080	JANSSENS, JAN	BELGIUM	0,4	8	5,662	948
CV-082	URBANSKI, PIOTR	POLAND	0,1	28	1,078	4337
CV-086	TOS-POLAND	POLAND	0,1	31	1,948	6838
CV-091	DALEK, GRZEGORZ	POLAND	0,3	16	3,775	3739
CV-102	MOSEER, PAULO ROBER	BRAZIL	0,0	15	0,000	2126
CV-103	STEEN, OCTAAF	BELGIUM	0,2	30	3,020	4756
CV-104	MEEUS, LIEVE	BELGIUM	0,2	9	3,355	2155
CV-105	RYBACK, ALEXEY	RUSSIA	0,0	15	0,000	2756
CV-107	LEVENTHAL, MONTY	AUSTRALIA	0,0	26	0,000	3885
CV-116	BJERKGÅRD, TERJE	NORWAY	0,0	4	0,000	840
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	0,0	18	0,000	2109
CV-135	ARAUJO, GEMA	SPAIN	0,2	31	2,922	5654
CV-136	GARCÍA, FAUSTINO	SPAIN	0,2	14	3,235	3000
CV-139	ALONSO, JAVIER	SPAIN	0,1	16	0,944	3010
CV-151	CARELS, JEFFREY	BELGIUM	0,1	24	1,258	2186
CV-171	MALUF, WALTER JOSE	BRAZIL	0,0	25	0,000	1752
CV-177	BACKER, HENDRIK DE	BELGIUM	0,0	30	0,503	1048
CV-181	DERDZIKOWSKI, ADAM	POLAND	0,0	10	0,000	797
CV-189	HESSCHE, DIRK VAN	BELGIUM	0,3	8	3,775	206
CV-203	DEMEULENAERE, IVO	BELGIUM	0,1	26	1,161	101
CV-204	MEISTER, STEFAN	SWITZERLAND	0,0	19	0,000	96
CV-205	MANGELSDORF, TOM	UNITED STATES	0,0	2	0,000	10
CV-206	FIGIEL, TADEUSZ	POLAND	0,1	9	1,678	54
CV-207	EXNEROVÁ, MARTINA	CZECH REPUBLIC	0,0	26	0,000	46
CV-208	NEYS, JOHAN	BELGIUM	0,1	18	0,839	81
CV-209	MORAES, CAIO CRESPO	BRAZIL	0,0	26	0,000	383
CV-210	BOURGEOIS, JEAN	BELGIUM	0,0	30	0,000	134
Totals	Observers 33	Days 31	CV 0,07	No 770	K 1,102	

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	28	0	0,00	5,59	11,96
2	0,00	30	0	0,00	5,56	11,78
3	0,00	28	0	0,00	5,53	11,63
4	0,00	25	0	0,00	5,51	11,51
5	0,00	25	0	0,00	5,50	11,41
6	0,00	21	0	0,00	5,49	11,31
7	0,00	26	0	0,00	5,47	11,29
8	0,00	28	0	0,00	5,44	11,26
9	0,00	24	0	0,00	5,42	11,25
10	0,00	16	0	0,00	5,42	11,25
11	0,00	20	0	0,00	5,41	11,25
12	0,26	27	0	0,18	5,39	11,23
13	0,39	23	0	0,28	5,38	11,22
14	0,28	29	0	0,20	5,36	11,19
15	0,19	27	0	0,13	5,34	11,17
16	0,12	26	0	0,08	5,32	11,14
17	0,00	23	0	0,00	5,30	11,13
18	0,00	21	0	0,00	5,27	11,12
19	0,00	24	0	0,00	5,21	11,10
20	0,17	24	0	0,12	5,08	11,08
21	0,50	18	1	0,35	4,95	11,06
22	0,00	24	0	0,00	4,82	11,00
23	0,00	25	0	0,00	4,69	10,95
24	0,00	26	0	0,00	4,59	10,89
25	0,00	28	0	0,00	4,46	10,84
26	0,00	28	0	0,00	4,31	10,79
27	0,00	27	0	0,00	4,14	10,73
28	0,00	24	0	0,00	4,02	10,69
29	0,00	26	0	0,00	3,95	10,64
30	0,21	24	0	0,15	3,92	10,59
31	0,04	25	0	0,03	3,91	10,55
Totals/ Avrgs	0,07	24,8	0,06	0,09	6,46	16,13



Solar Region Summary for July 2018

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

2716-21.07.18-21.07.18-N16-199-2206-10-1-1,0-AXX

:Product: Weekly Highlights and Forecasts

:Issued: 2018 Aug 13 0125 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>

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Weekly Highlights and Forecasts

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Highlights of Solar and Geomagnetic Activity

06 - 12 August 2018

Solar activity was very low throughout the period. No Earth-directed CMEs were observed in available satellite imagery.

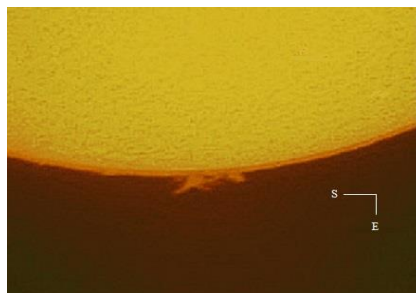
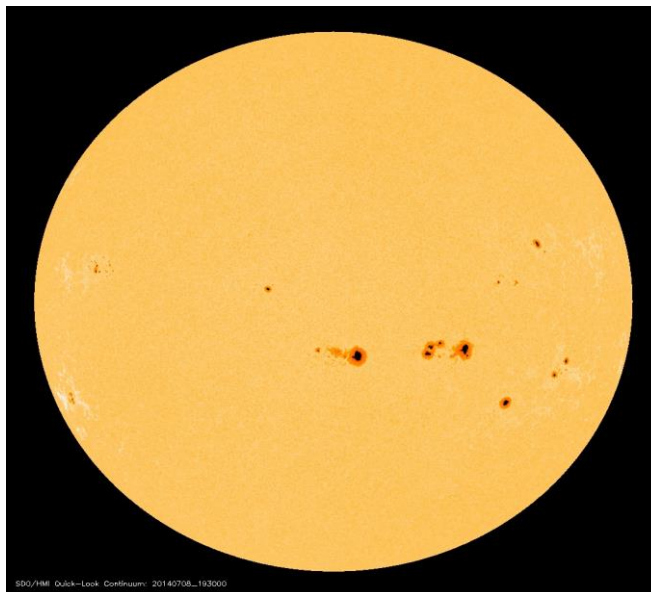
No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was normal background levels throughout the period.

Geomagnetic field activity was ranged from quiet to active. Quiet levels were observed on 06 Aug, 08-10 Aug and 12 Aug; unsettled levels were reached on 07 Aug and active levels were reached on 11 Aug. Mostly nominal solar wind conditions were observed through the period. A SSBC followed by very weak influence from a negative polarity CH HSS occurred on 11 Aug. Total magnetic field strength briefly reached 11 nT around 11/0400 UTC but no significant periods of southward Bz were observed.

Image Reports**Nostalgia**Right picture:

In times where amazing sunspotgroups have become more and more rare, this image from 2014, July 08, should be from the most active day in solar cycle 24



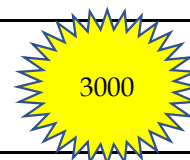
Monty Leventhal OAM. August 3rd 2018. 23:15 hrs. UT.
Supported by the Donovan Astronomical Trust.

Left picture:

Active prominence on NE limb. Monty Leventhal OAM on 2018 August 3, 2315 UTC.

Passed 3000 CV-observations:

Congratulations to CV-139 ALONSO, JAVIER
who passed 3000 CV-observations on 10 July 2018!

**New member:**

CV-210 BOURGEOIS, JEAN
BELGIUM

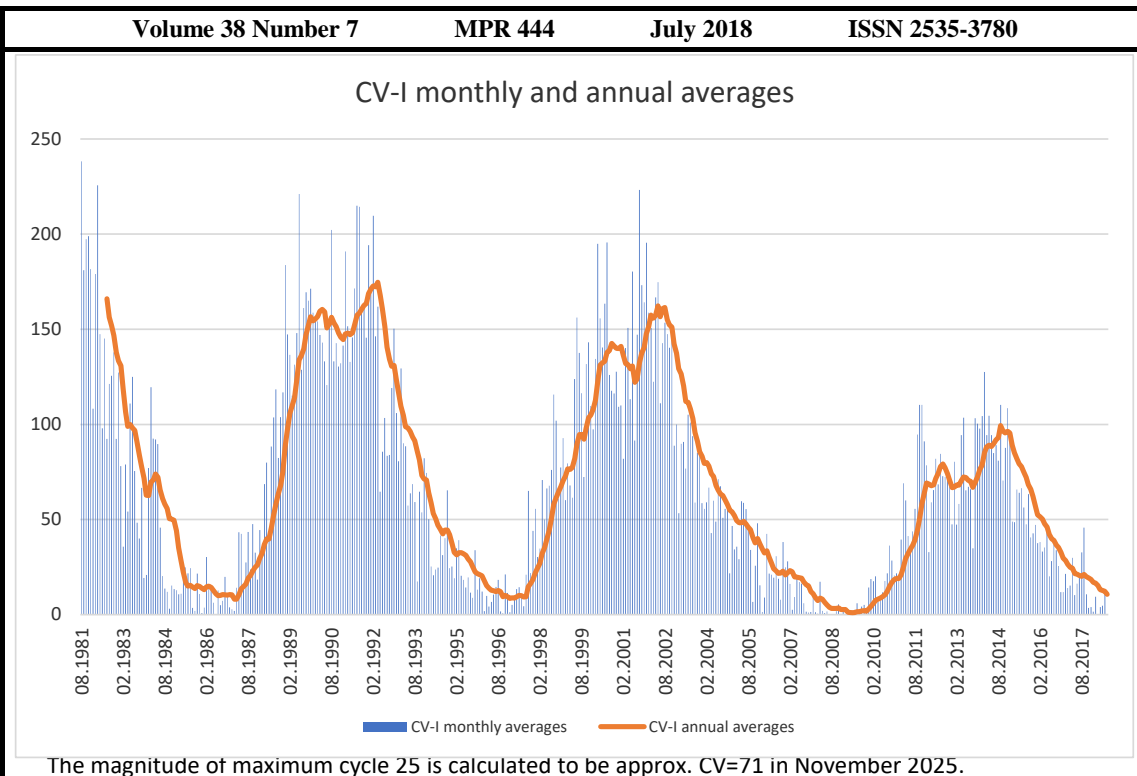
Joined: 18.07.2018

Welcome to CV-Helios Network!

We are now 51 active members

Please check out 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.
Latest: Predicted minimum March to May 2020.



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 2018.

Comes with tilted Stoneyhurst-chart to use for observations!

Calculating CV

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.

Monitor MPR daily progress

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

Monitor your submissions as they are registered:

<http://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:

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

Log on to:

<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 10373 entries registered
containing 164944 CV-observations!

This MPR issued 15th August 2018



CV-Helios Network

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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: 15.08.2018 17:32 UTC