

# Monthly Preliminary Report

## MPR



Kjell Inge Malde, Director/Editor  
Böreholen 20, N-4085 Hundvaag NORWAY

Web: <http://www.cv-helios.net>  
Email: [cvhelios@gmail.com](mailto:cvhelios@gmail.com)

Volume 38 Number 6

MPR 443

June 2018

ISSN 2535-3780

### CV-Helios Network

Monthly Preliminary Report for June 2018

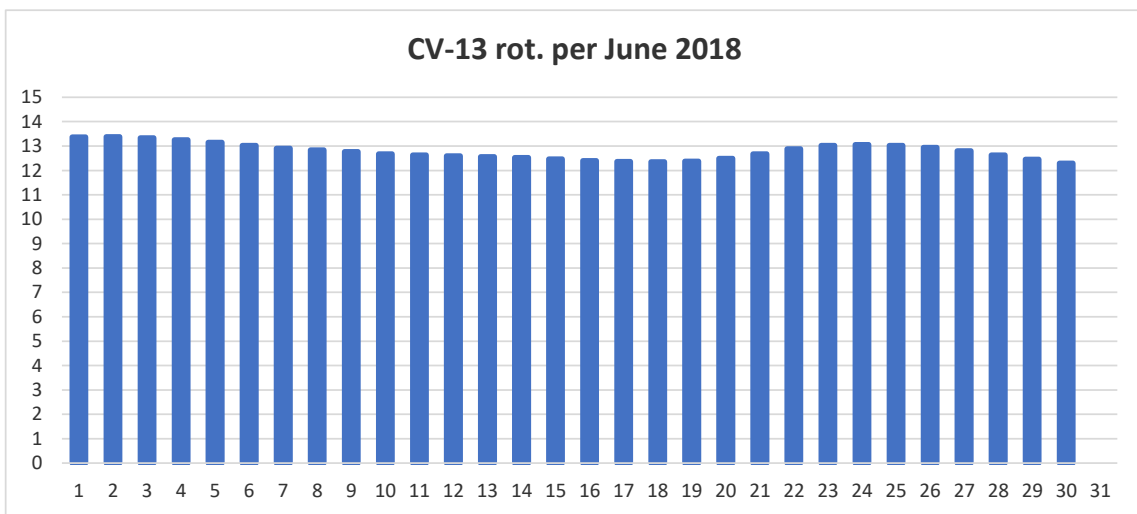
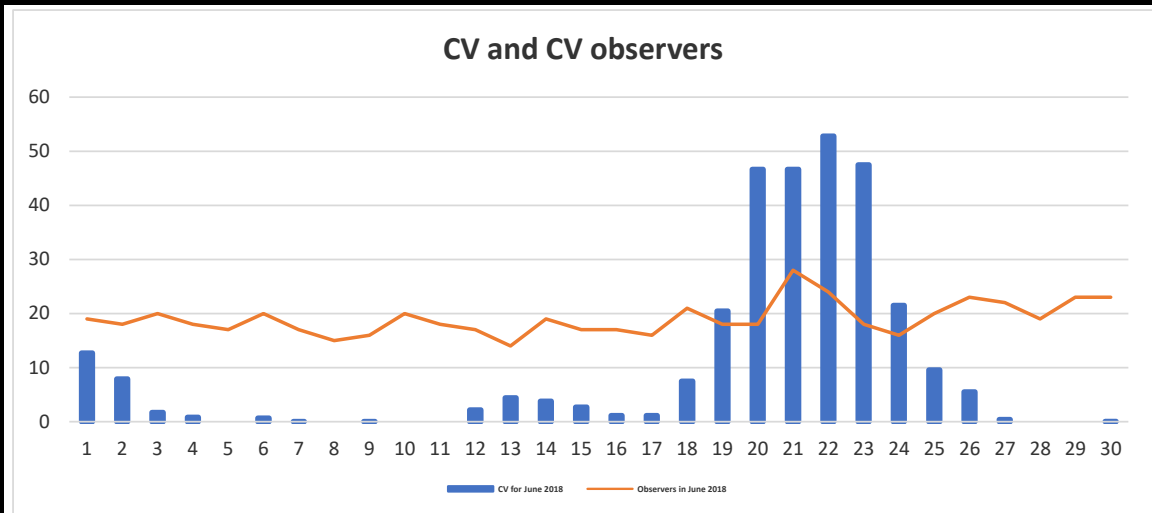
Solar Cycle 24: Month no. 116

Report id.: cv1806.xls - CV-report no.: 443

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	6,3	24	0,579	8033
CV-010	DUBOIS, FRANKY	BELGIUM	11,9	22	1,099	8134
CV-019	JUNKER, ELMAR	GERMANY	24,4	11	2,256	3245
CV-020	HOLL, MANFRED	GERMANY	9,4	21	0,869	5035
CV-021	BARNES, HOWARD	NEW ZEALAND	6,7	10	0,620	4047
CV-022	VIERTEL, ANDREAS	GERMANY	5,3	24	0,490	5308
CV-023	BRETSCHNEIDER, HART	GERMANY	7,7	24	0,714	4638
CV-038	MORALES, GERMAN	BOLIVIA	18,2	27	1,687	6544
CV-040	BATTAIOLA, ROBERTO	ITALY	18,5	11	1,717	1701
CV-044	SCHRÖDER, GERD	GERMANY	14,5	22	1,347	4011
CV-068	THIMM, SVEN OVE	DENMARK	13,2	12	1,219	3462
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	10,5	22	0,968	2619
CV-080	JANSSENS, JAN	BELGIUM	18,0	5	1,667	940
CV-082	URBANSKI, PIOTR	POLAND	9,9	27	0,919	4309
CV-086	TOS-POLAND	POLAND	9,6	30	0,889	6807
CV-091	DALEK, GRZEGORZ	POLAND	8,7	29	0,808	3723
CV-102	MOSER, PAULO ROBER	BRAZIL	12,9	18	1,199	2111
CV-104	MEEUS, LIEVE	BELGIUM	21,3	6	1,976	2146
CV-105	RYBACK, ALEXEY	RUSSIA	6,5	13	0,605	2741
CV-107	LEVENTHAL, MONTY	AUSTRALIA	8,9	16	0,822	3859
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	4,3	19	0,400	2091
CV-135	ARAUJO, GEMA	SPAIN	10,3	30	0,957	5623
CV-136	GARCÍA, FAUSTINO	SPAIN	9,0	19	0,833	2986
CV-139	ALONSO, JAVIER	SPAIN	18,1	15	1,673	2994
CV-151	CARELS, JEFFREY	BELGIUM	12,9	19	1,199	2162
CV-171	MALUF, WALTER JOSE	BRAZIL	10,9	13	1,012	1727
CV-204	MEISTER, STEFAN	SWITZERLAND	11,6	19	1,072	77
CV-205	MANGELSDORF, TOM	UNITED STATES	10,3	3	0,957	8
CV-206	FIGIEL, TADEUSZ	POLAND	5,2	23	0,479	45
CV-207	EXNEROVÁ, MARTINA	CZECH REPUBLIC	9,6	20	0,889	20
CV-209	MORAES, CAIO CRESPO	BRAZIL	13,9	17	1,286	357
Totals	Observers 31	Days 30	CV 11,57	No 571	K 1,071	

**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	12,68	19	13	0,22	4,59	13,37
2	7,89	18	5	2,04	4,60	13,38
3	1,70	20	1	0,49	4,54	13,34
4	0,83	18	0	0,59	4,45	13,26
5	0,00	17	0	0,00	4,34	13,15
6	0,65	20	0	0,46	4,26	13,03
7	0,06	17	0	0,04	4,18	12,91
8	0,00	15	0	0,00	4,11	12,84
9	0,06	16	0	0,04	4,10	12,77
10	0,00	20	0	0,00	4,09	12,68
11	0,00	18	0	0,00	4,08	12,63
12	2,18	17	2	0,12	4,09	12,59
13	4,43	14	2	1,72	4,10	12,56
14	3,79	19	3	0,56	4,12	12,53
15	2,71	17	3	0,21	4,13	12,47
16	1,12	17	2	0,62	4,13	12,40
17	1,13	16	1	0,09	4,10	12,36
18	7,48	21	4	2,46	4,12	12,35
19	20,44	18	15	3,85	4,24	12,38
20	46,67	18	29	12,49	4,50	12,49
21	46,64	28	46	0,45	4,89	12,68
22	52,79	24	56	2,27	5,27	12,88
23	47,50	18	50	1,77	5,54	13,02
24	21,50	16	50	20,15	5,63	13,06
25	9,55	20	9	0,39	5,66	13,03
26	5,52	23	4	1,08	5,68	12,94
27	0,41	22	0	0,29	5,66	12,81
28	0,00	19	0	0,00	5,64	12,63
29	0,00	23	0	0,00	5,57	12,45
30	0,04	23	0	0,03	5,51	12,30
Totals/ Avrgs	<b>9,93</b>	<b>19,0</b>	<b>9,52</b>	<b>1,75</b>	<b>6,46</b>	<b>16,13</b>



**Solar Region Summary for June 2018**

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

2712-25.05.18-04.06.18-N13-172-2204-80-6-8,5-CSO-CAO-CAO-CRO-CSI-CSI-CRO-DRO-DRO-CRO-AXX

2713-13.06.18-25.06.18-N03-286-2205-10-5-8,2-BXO-BXO-BXI-BXI-BXO-AXX-BXO-BXO-BXO-DSO-DSO-DAO-DAO

2714-19.06.18-22.06.18-N08-317-2205-10-4-4,3-BXO-CAO-CRO-BXO

2715-20.06.18-27.06.18-N07-231-2205-30-3-19,0-CRO-DAI-DAO-DAC-DAC-DAC-CAI-HRX

-----  
 -----  
 -----  
 -----  
 -----  
 -----

**:Product: Weekly Highlights and Forecasts**

:Issued: 2018 Jul 09 0254 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

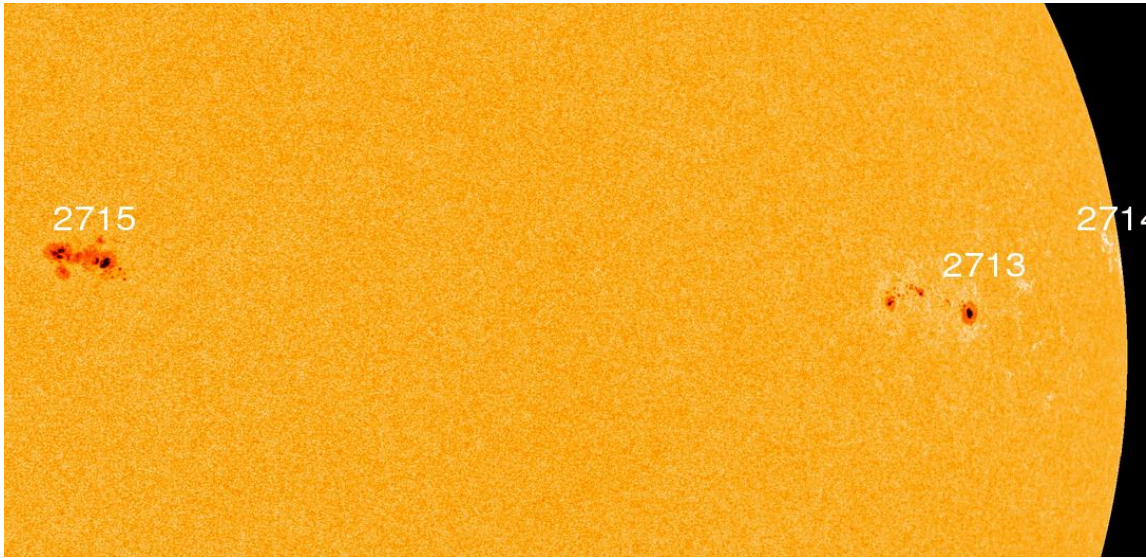
02 - 08 July 2018

Solar activity was very low levels through most of the reporting period. However, on 06 Jul, A C1 flare was observed at 06/2007 UTC from an area of enhanced flux, as observed in STEREO AHEAD 195 imagery, from around the E. limb. The area later rotated onto the visible disk as spotless plage. Several DSFs were observed on 05 Jul from the NE quadrant, though none were thought to have produced Earth-directed CMEs.

A coronal dimming in the SW quadrant was observed in SDO/AIA 193, around 04/2325 UTC, which was followed by an observation of a slow-moving CME first observed in STEREO AHEAD COR2 imagery beginning around 04/0324 UTC. No clear signature was observed in SOHO LASCO C2 or C3 imagery. Modeling of the event suggested the possibility of an Earth-directed component becoming geoeffective sometime after 09 Jul.

No proton events were observed at geosynchronous orbit.

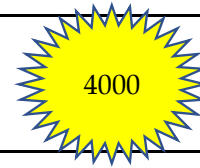
Image Reports



SOHO picture of regions 2713/-14/-15 from 22 June 2018. (ref. spaceweather.com)

**Passed 4000 CV-observations:**

**Congratulations to CV-044 Gerd Schröder  
who passed 4000 CV-observations on 14 June 2018!**



**New member:**

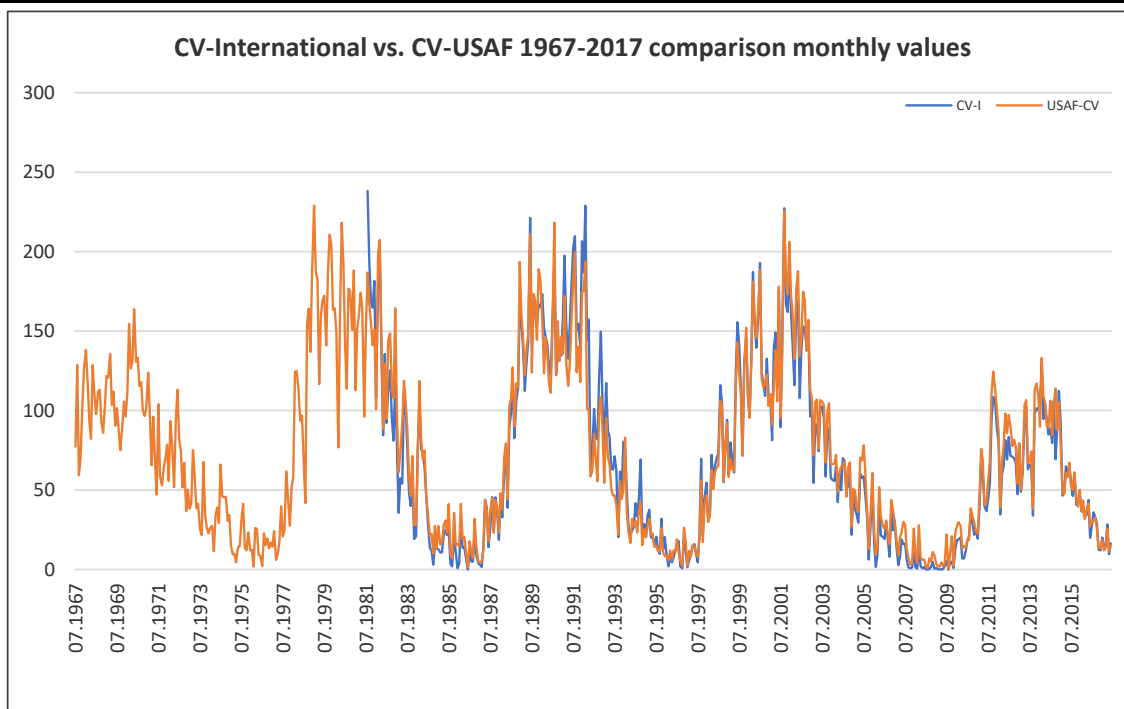
**CV-209 MORAES, CAIO CRESPO  
BRAZIL  
Joined: 26.06.2018**

**Welcome to CV-Helios Network!**

We are now 50 active members

**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.  
Latest: Predicted minimum March to May 2020.



The magnitude of maximum cycle 25 is calculated to be approx. CV=71 in November 2025.

### 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](mailto: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 10323 entries registered  
containing 163960 CV-observations!

**This MPR issued 15th July 2018**



**CV-Helios Network**

Director/Coordinator: Kjell Inge Malde

Phone: +47 98 69 28 56

[cvhelios@gmail.com](mailto:cvhelios@gmail.com)

[www.cv-helios.net](http://www.cv-helios.net)

-----  
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: 15.07.2018 18:57 UTC