

Monthly Preliminary Report

MPR



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CV-Helios Network

Monthly Preliminary Report for May 2018

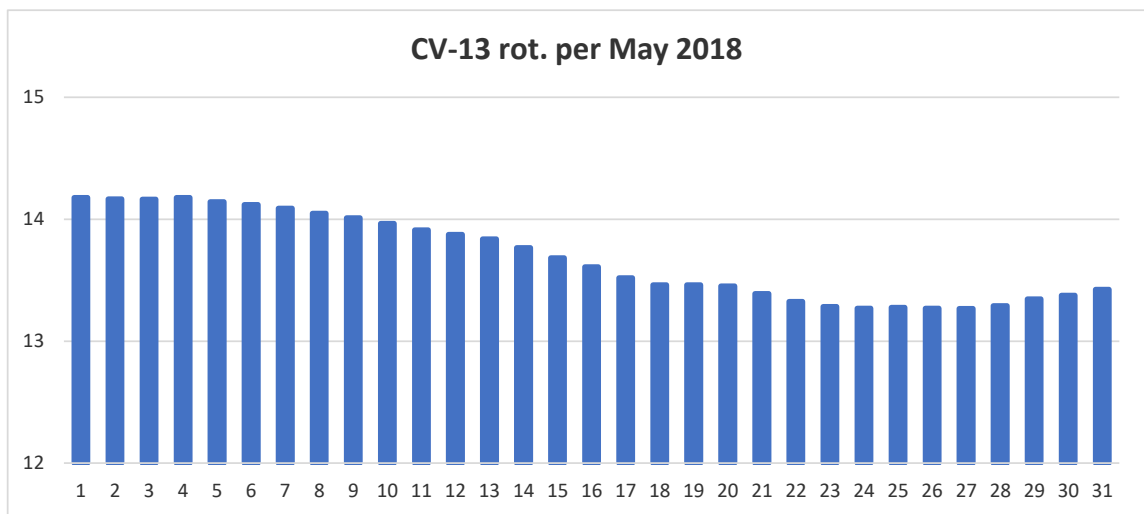
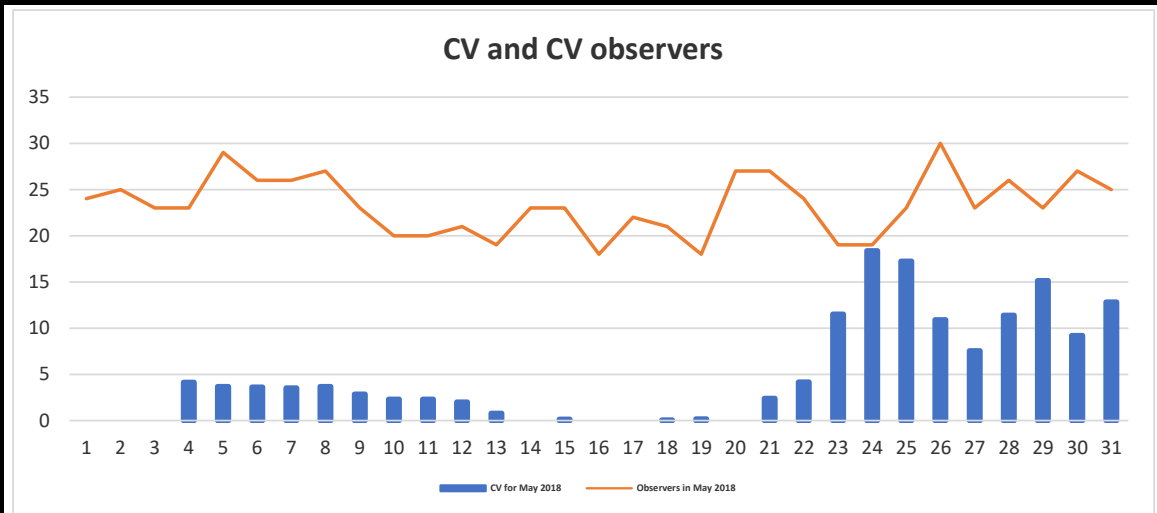
Solar Cycle 24: Month no. 115

Report id.: cv1805.xls - CV-report no.: 442

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	5,1	29	1,040	8009
CV-010	DUBOIS, FRANKY	BELGIUM	4,2	27	0,860	8112
CV-019	JUNKER, ELMAR	GERMANY	4,2	10	0,856	3234
CV-020	HOLL, MANFRED	GERMANY	5,3	30	1,087	5014
CV-021	BARNES, HOWARD	NEW ZEALAND	9,3	14	1,892	4037
CV-022	VIERTEL, ANDREAS	GERMANY	2,7	25	0,546	5284
CV-023	BRETSCHNEIDER, HART	GERMANY	3,4	21	0,689	4614
CV-038	MORALES, GERMAN	BOLIVIA	10,4	31	2,110	6517
CV-044	SCHRÖDER, GERD	GERMANY	4,4	23	0,904	3989
CV-068	THIMM, SVEN OVE	DENMARK	2,3	17	0,467	3450
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	2,1	22	0,435	2597
CV-080	JANSSENS, JAN	BELGIUM	3,4	8	0,688	935
CV-082	URBANSKI, PIOTR	POLAND	3,5	30	0,720	4282
CV-086	TOS-POLAND	POLAND	4,8	31	0,973	6777
CV-091	DALEK, GRZEGORZ	POLAND	4,6	30	0,944	3694
CV-102	MOSER, PAULO ROBER	BRAZIL	3,4	21	0,689	2093
CV-103	STEEN, OCTAAF	BELGIUM	4,3	29	0,878	4698
CV-104	MEEUS, LIEVE	BELGIUM	5,3	7	1,077	2140
CV-105	RYBACK, ALEXEY	RUSSIA	5,1	15	1,046	2728
CV-107	LEVENTHAL, MONTY	AUSTRALIA	7,3	22	1,491	3843
CV-116	BJERKGÅRD, TERJE	NORWAY	4,4	14	0,888	826
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	1,8	26	0,368	2072
CV-135	ARAUJO, GEMA	SPAIN	5,8	31	1,183	5593
CV-139	ALONSO, JAVIER	SPAIN	3,5	16	0,713	2979
CV-151	CARELS, JEFFREY	BELGIUM	4,6	24	0,942	2143
CV-171	MALUF, WALTER JOSE	BRAZIL	16,2	15	3,301	1714
CV-177	BACKER, HENDRIK DE	BELGIUM	5,4	30	1,100	989
CV-181	DERDZIKOWSKI, ADAM	POLAND	4,6	9	0,928	787
CV-189	HESSCHE, DIRK VAN	BELGIUM	5,1	11	1,037	190
CV-202	ZAMORA, JORDI	SPAIN	4,3	28	0,866	531
CV-203	DEMEULENAERE, IVO	BELGIUM	3,1	17	0,623	57
CV-204	MEISTER, STEFAN	SWITZERLAND	5,8	21	1,184	58
CV-205	MANGELSDORF, TOM	UNITED STATES	1,0	1	0,204	5
CV-206	FIGIEL, TADEUSZ	POLAND	4,5	21	0,922	22
CV-208	NEYS, JOHAN	BELGIUM	4,2	18	0,849	46
Totals	Observers	Days	CV	No	K	
	35	31	4,84	724	0,986	

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	24	0	0,00	4,10	14,18
2	0,00	25	0	0,00	4,08	14,16
3	0,00	23	0	0,00	4,06	14,16
4	4,13	23	0	2,92	4,07	14,18
5	3,69	29	5	0,93	4,09	14,14
6	3,62	26	2	1,14	4,10	14,12
7	3,54	26	2	1,09	4,12	14,09
8	3,67	27	2	1,18	4,10	14,05
9	2,87	23	3	0,09	4,02	14,01
10	2,30	20	2	0,21	3,98	13,97
11	2,30	20	1	0,92	3,95	13,91
12	2,00	21	1	0,71	3,91	13,88
13	0,79	19	0	0,56	3,89	13,84
14	0,00	23	0	0,00	3,87	13,77
15	0,13	23	0	0,09	3,85	13,68
16	0,00	18	0	0,00	3,84	13,61
17	0,00	22	0	0,00	3,82	13,52
18	0,05	21	0	0,03	3,80	13,46
19	0,17	18	0	0,12	3,78	13,46
20	0,00	27	0	0,00	3,75	13,45
21	2,41	27	0	1,70	3,75	13,39
22	4,17	24	5	0,59	3,78	13,33
23	11,53	19	2	6,74	3,85	13,28
24	18,37	19	21	1,86	3,95	13,27
25	17,26	23	21	2,64	4,07	13,28
26	10,90	30	19	5,73	4,17	13,27
27	7,57	23	13	3,84	4,21	13,27
28	11,38	26	7	3,10	4,30	13,29
29	15,13	23	12	2,21	4,41	13,34
30	9,19	27	12	1,99	4,49	13,38
31	12,84	25	5	5,54	4,58	13,42
Totals/ Avrgs	4,84	23,4	3,04	3,11	4,20	13,41



Solar Region Summary for May 2018

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

2708-05.05.18-10.05.18-S09-204-2203-30-3-2,3-CRO-BXO-BXO-BXO-BXO-AXX

2709-09.05.18-12.05.18-N05-34-2203-10-2-1,0-AXX-AXX-AXX-AXX

2710-22.05.18-25.05.18-N16-223-2204-20-2-2,5-CRO-BXO-BXO-AXX

2711-24.05.18-28.05.18-N06-288-2204-40-5-9,2-DAO-CAI-CSO-CRO-BXO

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

:Product: Weekly Highlights and Forecasts

:Issued: 2018 Jun 11 0344 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

04 - 10 June 2018

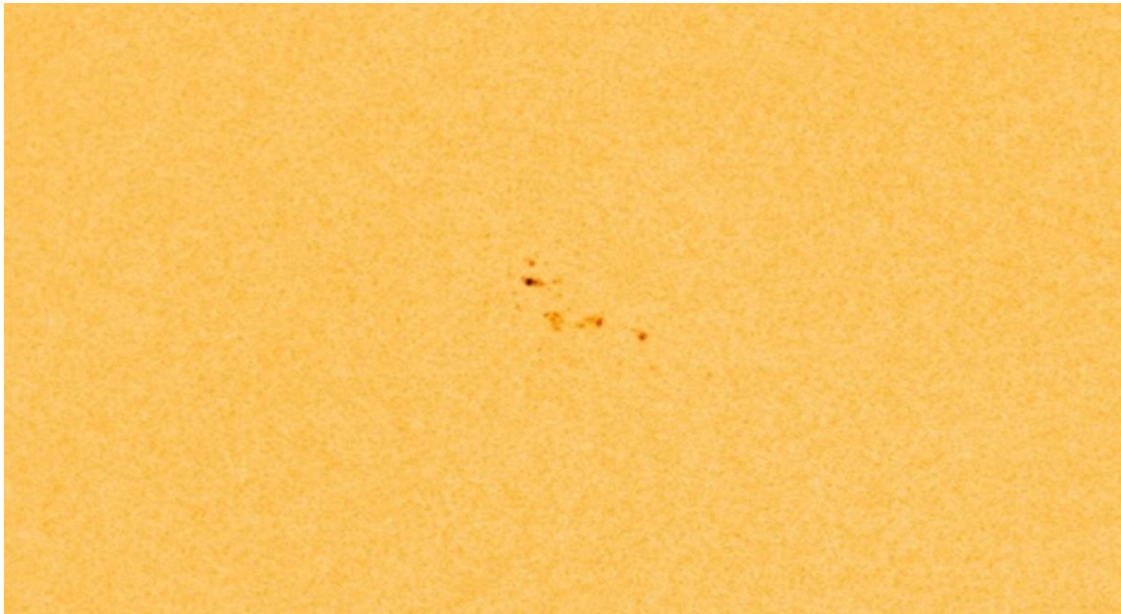
Solar activity was mostly at very low levels with an isolated C-class flare observed at 06/1100 UTC from Region 2712 (N15, L=176, class/area Csi/080 on 28 May) from just beyond the West limb. The solar disk was spotless from 06-10 Jun. No Earth-directed coronal mass ejections (CMEs) were observed during the reporting period.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels throughout the period with a maximum flux of 19,491 pfu observed at 06/1705 UTC.

Geomagnetic field activity ranged from quiet to active levels over the period. Solar wind speed was in decline from a negative polarity coronal hole high speed stream (CH HSS) on 04-05 Jun with solar wind speeds declining from approximately 630 km/s to near 450 km/s while total field ranged from 2 nT to 9 nT. The geomagnetic field was at quiet levels on 04-05 Jun. By midday on 06 Jun, an enhancement in total field was observed reaching a maximum of 11 nT at 07/0635 UTC.

Image Reports



SOHO picture of region 2712 from 29 May 2018.

Passed 5000 CV-observations:

**Congratulations to CV-020 Manfred Holl
who passed 5000 CV-observations on 16 May 2018!**

**New member:
CV-207 EXNEROVÁ, MARTINA
CZECH REPUBLIC
Joined: 08.06.2018**

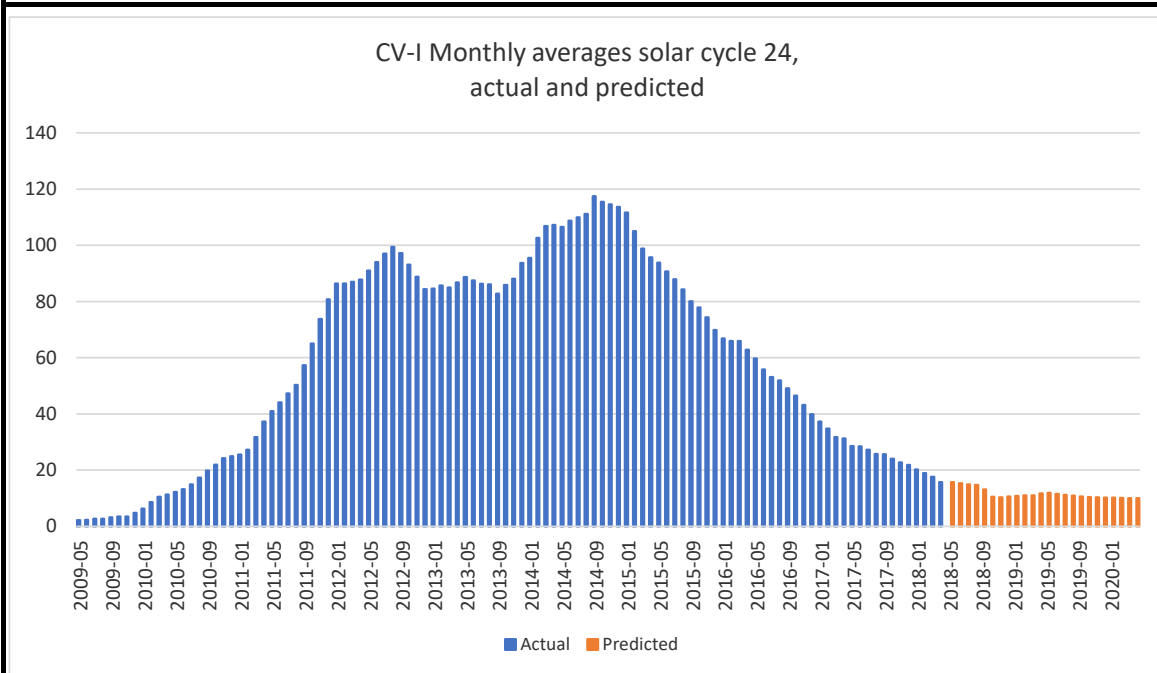
Welcome to CV-Helios Network!

**New member:
CV-208 NEYS, JOHAN
BELGIUM
Joined: 11.06.2018**

Welcome to CV-Helios Network!

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

**MINIMUM Cycle 24/25 is expected to occur at the very end of 2019/start 2020.
Latest: Predicted minimum March to May 2020.**



It is calculated that minimum will occur May 2020 and next maximum approx. November 2025.

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

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>

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

Daily Report issued 10:00 UTC
for checking of Entries Summary

