

# Monthly Preliminary Report

## MPR



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## CV-Helios Network

Monthly Preliminary Report for September 2018

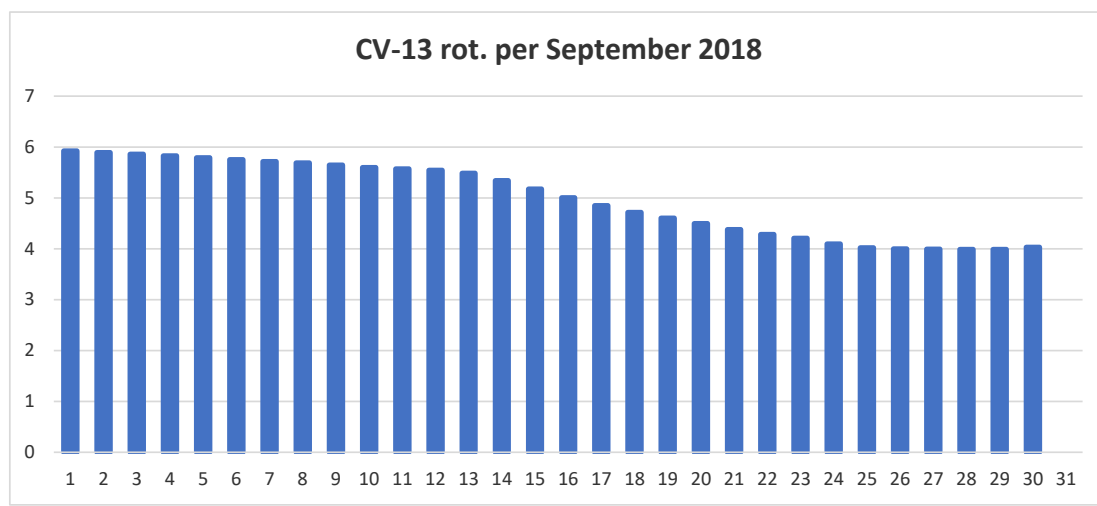
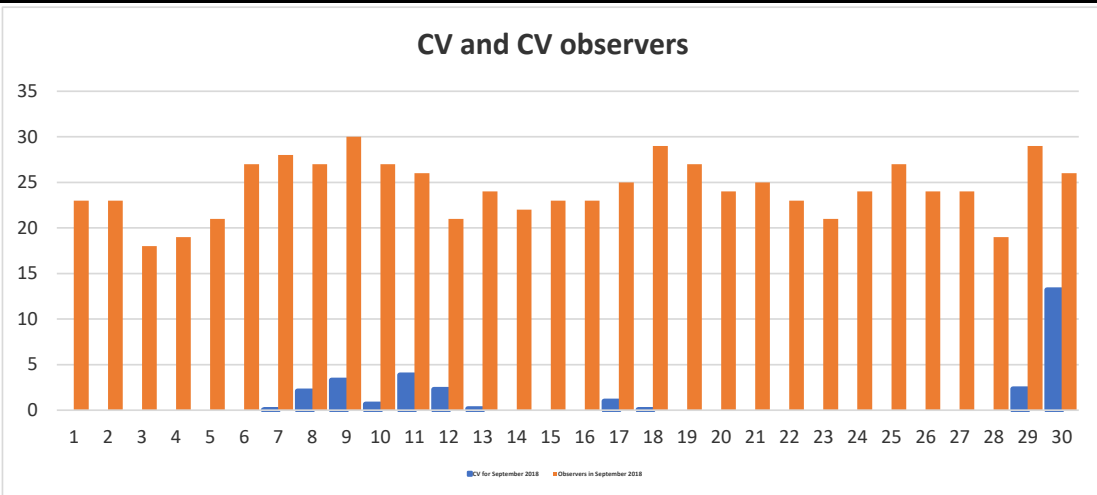
Solar Cycle 24: Month no. 119

Report id.: cv1809.xls - CV-report no.: 446

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	0,5	19	0,453	8097
CV-009	BRAUCKHOFF, DIETER	GERMANY	1,6	22	1,520	821
CV-010	DUBOIS, FRANKY	BELGIUM	0,9	28	0,853	8220
CV-019	JUNKER, ELMAR	GERMANY	3,6	9	3,397	3270
CV-020	HOLL, MANFRED	GERMANY	1,3	21	1,228	5113
CV-021	BARNES, HOWARD	NEW ZEALAND	1,9	12	1,831	4080
CV-022	VIERTEL, ANDREAS	GERMANY	0,2	18	0,159	5379
CV-023	BRETSCHNEIDER, HAR	GERMANY	1,6	23	1,495	4690
CV-038	MORALES, GERMAN	BOLIVIA	3,3	30	3,121	6636
CV-040	BATTAIOLA, ROBERTO	ITALY	1,4	8	1,314	1709
CV-041	ROTHERMEL, JENS	GERMANY	3,3	10	3,153	977
CV-044	SCHRÖDER, GERD	GERMANY	0,6	19	0,553	4079
CV-068	THIMM, SVEN OVE	DENMARK	0,0	6	0,000	3482
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	0,1	14	0,136	2678
CV-080	JANSSENS, JAN	BELGIUM	0,0	5	0,000	959
CV-082	URBANSKI, PIOTR	POLAND	1,0	26	0,919	4390
CV-086	TOS-POLAND	POLAND	1,2	30	1,115	6899
CV-091	DALEK, GRZEGORZ	POLAND	1,1	27	1,097	3793
CV-102	MOSER, PAULO ROBER	BRAZIL	0,0	3	0,000	2136
CV-103	STEEN, OCTAAF	BELGIUM	0,9	29	0,857	4815
CV-104	MEEUS, LIEVE	BELGIUM	0,0	12	0,000	2167
CV-105	RYBACK, ALEXEY	RUSSIA	1,1	13	1,029	2778
CV-107	LEVENTHAL, MONTY	AUSTRALIA	1,3	19	1,257	3929
CV-116	BJERKGÅRD, TERJE	NORWAY	0,0	4	0,000	853
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	0,6	22	0,565	2157

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Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-135	ARAUJO, GEMA	SPAIN	1,1	30	1,051	5715
CV-139	ALONSO, JAVIER	SPAIN	0,6	20	0,573	3049
CV-151	CARELS, JEFFREY	BELGIUM	0,5	24	0,438	2230
CV-171	MALUF, WALTER JOSE	BRAZIL	0,8	18	0,743	1785
CV-177	BACKER, HENDRIK DE	BELGIUM	0,5	29	0,461	1108
CV-181	DERDZIKOWSKI, ADAM	POLAND	2,6	12	2,468	819
CV-189	HESSCHE, DIRK VAN	BELGIUM	0,0	5	0,000	216
CV-202	ZAMORA, JORDI	SPAIN	0,3	23	0,291	583
CV-203	DEMEULENAERE, IVO	BELGIUM	0,5	23	0,457	147
CV-204	MEISTER, STEFAN	SWITZERLAND	1,4	19	1,358	132
CV-205	MANGELSDORF, TOM	UNITED STATES	0,5	4	0,478	15
CV-206	FIGIEL, TADEUSZ	POLAND	1,2	13	1,176	79
CV-207	ONDREJOV OBSERVATO	CZECH REPUBLIC	1,1	20	1,051	2717
CV-208	NEYS, JOHAN	BELGIUM	2,1	11	1,998	107
CV-209	MORAES, CAIO CRESPO	BRAZIL	0,0	6	0,000	402
CV-210	BOURGEOIS, JEAN	BELGIUM	0,1	21	0,136	182
CV-211	CEUNINCK, EDWIN DE	BELGIUM	1,1	22	1,086	46
<b>Totals</b>	<b>Observers</b> <b>42</b>	<b>Days</b> <b>30</b>	<b>CV</b> <b>0,99</b>	<b>No</b> <b>729</b>	<b>K</b> <b>0,948</b>	

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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	23	0	0,00	4,26	5,92
2	0,00	23	0	0,00	4,25	5,89
3	0,00	18	0	0,00	4,24	5,86
4	0,00	19	0	0,00	4,25	5,83
5	0,00	21	0	0,00	4,25	5,79
6	0,00	27	0	0,00	4,24	5,75
7	0,04	28	0	0,03	4,23	5,72
8	2,11	27	2	0,08	4,23	5,69
9	3,30	30	2	0,92	4,24	5,65
10	0,67	27	0	0,47	4,24	5,60
11	3,85	26	2	1,31	4,25	5,57
12	2,29	21	1	0,91	4,25	5,54
13	0,17	24	0	0,12	4,26	5,49
14	0,00	22	0	0,00	4,24	5,34
15	0,00	23	0	0,00	4,23	5,17
16	0,00	23	0	0,00	4,23	5,00
17	1,00	25	0	0,71	4,24	4,85
18	0,07	29	0	0,05	4,24	4,71
19	0,00	27	0	0,00	4,24	4,60
20	0,00	24	0	0,00	4,23	4,49
21	0,00	25	0	0,00	4,23	4,38
22	0,00	23	0	0,00	4,23	4,28
23	0,00	21	0	0,00	4,23	4,21
24	0,00	24	0	0,00	4,21	4,10
25	0,00	27	0	0,00	4,21	4,02
26	0,00	24	0	0,00	4,20	4,00
27	0,00	24	0	0,00	4,19	3,99
28	0,00	19	0	0,00	4,20	3,99
29	2,34	29	2	0,24	4,21	3,99
30	13,19	26	13	0,14	4,28	4,03
Totals/ Avrgs	<b>0,97</b>	<b>24,3</b>	<b>0,71</b>	<b>0,57</b>	<b>6,46</b>	<b>16,13</b>



**Solar Region Summary for September 2018**

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

2721-08.09.18-09.09.18-N09-286-2208-10-3-2,0-BXO-BXO

2722-11.09.18-12.09.18-S07-215-2208-10-5-1,5-BXO-AXX

2723-29.09.18-05.10.18-S08-355-2208-10-1-10,4-BXO-DRO-DSO-DSO-CRO-BXO-AXX

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**:Product: Weekly Highlights and Forecasts**

:Issued: 2018 Oct 15 0146 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

08 - 14 October 2018

Solar activity was very low this period. Regions 2724 (S08, L=126, class/area, Hrx/20 on 12 Oct) and 2725 (S11, L=113, class/area, Axx/10 on 14 Oct) were the only numbered sunspots on the visible disk but were quiet and stable throughout the period. No Earth-directed CMEs were observed during the summary period.

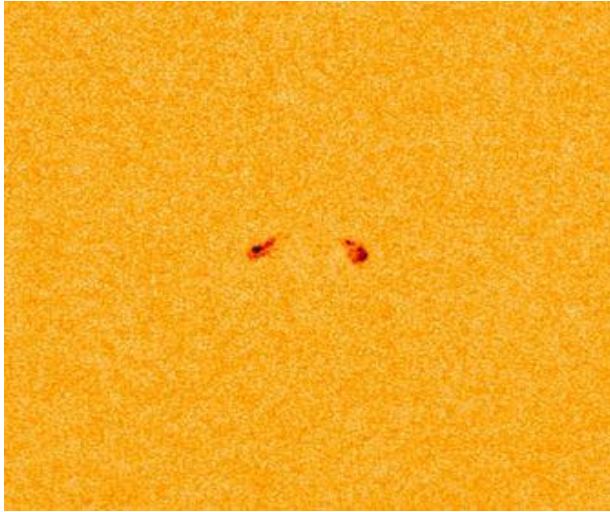
No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels on 08-13 Oct then decreased to moderate levels on 14 Oct.

Geomagnetic field activity reached G1 (Minor) geomagnetic storm levels on 10 and 13 Oct, active conditions on 08-09 Oct, unsettled levels on 11 Oct, and quiet conditions on 12 and 14 Oct due to CH HSS influence.

**Image Reports**

The activity we see these days is not high at all, approaching solar minimum, and the spots we see normally have a short life, rarely living more than a few days. On the very last day of September, AR 2723 peaked. This shot taken from SOHO and from spaceweather.com:



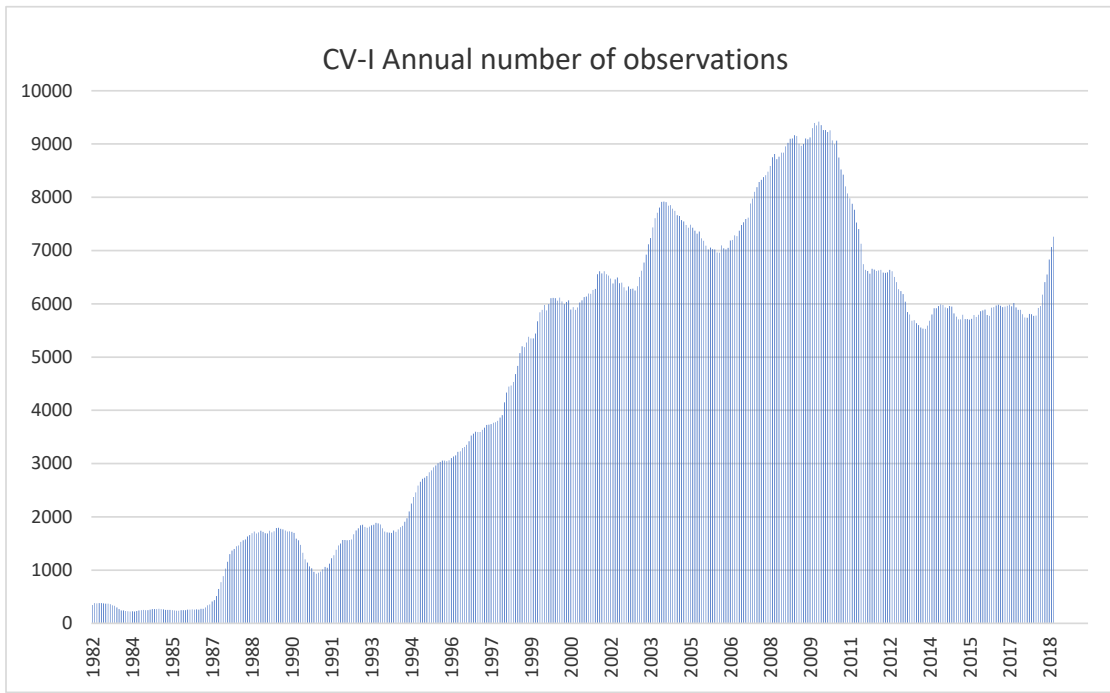
**No new Awards this month**

**New member:**

**No new members this month**

We are now 51 active members

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





**CV-Helios Network**  
**- over 36 years in solar amateur astronomy service!**

There are now 10639 entries registered  
containing 169238 CV-observations!

**This MPR issued 15th October 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: 16.10.2018 17:06 UTC