

# Monthly Preliminary Report

## MPR



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### CV-Helios Network

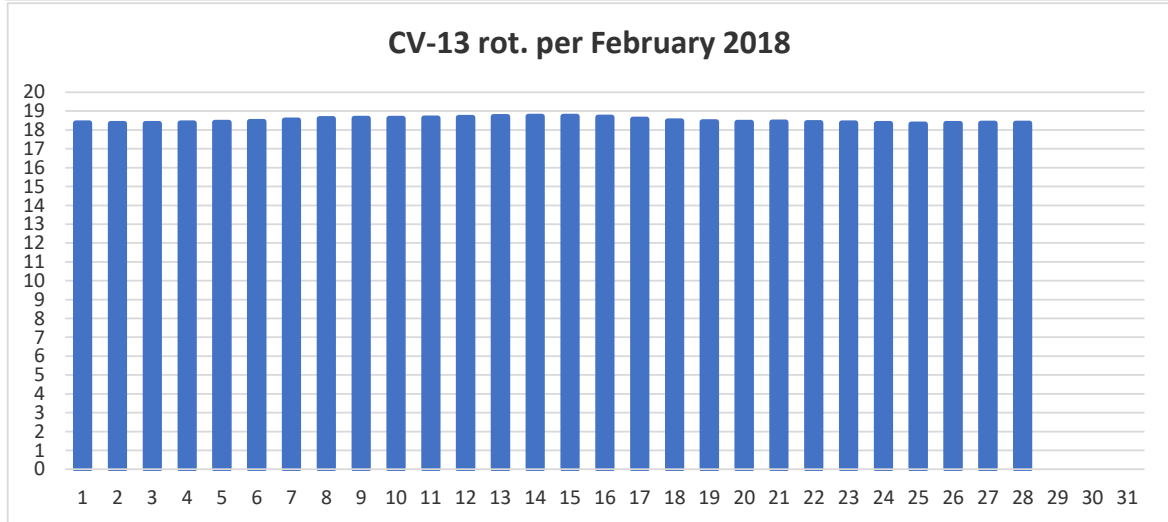
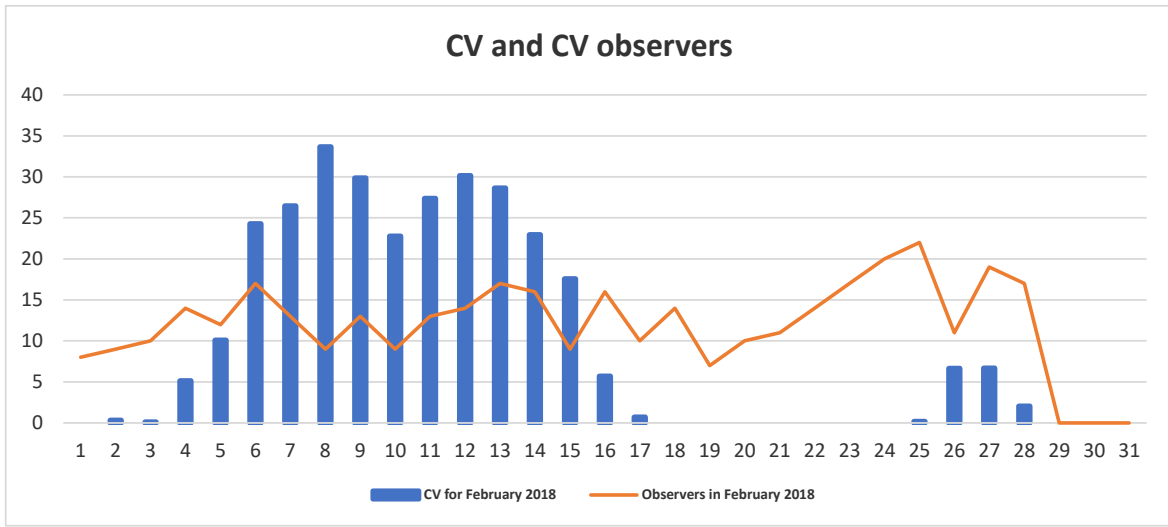
Monthly Preliminary Report for February 2018

Solar Cycle 24: Month no. 112

Report id.: cv1802.xls - CV-report no.: 439

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	9,0	21	0,844	7943
CV-010	DUBOIS, FRANKY	BELGIUM	9,8	24	0,910	8036
CV-019	JUNKER, ELMAR	GERMANY	5,3	4	0,490	3204
CV-020	HOLL, MANFRED	GERMANY	12,6	21	1,173	4948
CV-021	BARNES, HOWARD	NEW ZEALAND	9,3	10	0,868	3998
CV-022	VIERTEL, ANDREAS	GERMANY	9,9	12	0,925	5228
CV-023	BRETSCHNEIDER, HART	GERMANY	10,4	15	0,970	4547
CV-038	MORALES, GERMAN	BOLIVIA	8,9	20	0,830	6430
CV-044	SCHRÖDER, GERD	GERMANY	16,4	9	1,534	3928
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	8,3	17	0,774	2557
CV-080	JANSENS, JAN	BELGIUM	1,3	4	0,117	919
CV-082	URBANSKI, PIOTR	POLAND	4,1	14	0,386	4210
CV-086	TOS-POLAND	POLAND	11,0	28	1,026	6685
CV-091	DALEK, GRZEGORZ	POLAND	7,6	18	0,710	3617
CV-104	MEEUS, LIEVE	BELGIUM	10,4	10	0,970	2118
CV-105	RYBACK, ALEXEY	RUSSIA	11,7	13	1,091	2687
CV-107	LEVENTHAL, MONTY	AUSTRALIA	22,4	15	2,090	3800
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	6,5	18	0,606	2004
CV-135	ARAUJO, GEMA	SPAIN	9,3	28	0,870	5503
CV-139	ALONSO, JAVIER	SPAIN	12,4	12	1,158	2938
CV-151	CARELS, JEFFREY	BELGIUM	8,6	18	0,803	2084
CV-171	MALUF, WALTER JOSE	BRAZIL	20,9	18	1,949	1658
CV-181	DERDZIKOWSKI, ADAM	POLAND	0,0	1	0,000	752
CV-202	ZAMORA, JORDI	SPAIN	15,3	14	1,426	447
CV-204	MEISTER, STEFAN	SWITZERLAND	8,7	7	0,813	7
Totals	Observers	Days	CV	No	K	
	25	28	10,00	371	0,933	

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Results						
Date	CV	Obsrvrs	USAF	std.dev.	CV-6 rot.	CV-13 rot.
1	0,00	8			19,47	18,36
2	0,33	9			18,99	18,34
3	0,10	10			18,50	18,34
4	5,14	14	1,53	2,56	18,04	18,36
5	10,08	12	4,23	4,14	17,72	18,39
6	24,29	17	14,06	7,24	17,55	18,45
7	26,46	13	15,72	7,59	17,51	18,51
8	33,67	9	21,47	8,62	17,55	18,59
9	29,85	13	18,38	8,10	17,36	18,61
10	22,78	9	12,91	6,97	16,97	18,62
11	27,38	13	16,44	7,74	16,66	18,63
12	30,14	14	18,62	8,15	16,19	18,66
13	28,65	17	17,43	7,93	15,79	18,70
14	22,94	16	13,03	7,00	15,21	18,71
15	17,56	9	9,12	5,96	14,54	18,71
16	5,69	16	1,79	2,75	13,65	18,66
17	0,70	10			12,92	18,57
18	0,00	14			12,04	18,47
19	0,00	7			11,47	18,42
20	0,00	10			10,74	18,40
21	0,00	11			10,36	18,41
22	0,00	14			10,20	18,39
23	0,00	17			10,09	18,37
24	0,00	20			9,98	18,34
25	0,18	22			9,86	18,30
26	6,64	11	2,28	3,08	9,83	18,33
27	6,68	19	2,30	3,10	9,77	18,35
28	2,06	17	0,27	1,27	9,69	18,35
29						
30						
31						
Totals/ Avrgs	<b>10,76</b>	<b>13,3</b>	<b>10,60</b>	<b>5,76</b>	<b>13,64</b>	<b>16,99</b>



**Solar Region Summary for February 2018**

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

2697-31.01.18-01.02.18-S10-263-2200-10-3-1,5-BXO-AXX

2698-03.02.18-03.02.18-S03-194-2200-10-2-1,0-AXX

2699-05.02.18-17.02.18-S04-171-2200-80-2-19,2-HSX-CSO-DSO-DAI-DAI-DAI-DAI-DAI-DAI-DSI-DSO-CAO-HAX

2700-27.02.18-03.03.18-N06-328-2201-30-4-2,0-CRO-BXO-AXX-AXX-AXX

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**:Product: Weekly Highlights and Forecasts**

:Issued: 2018 Mar 12 0049 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

#

Highlights of Solar and Geomagnetic Activity

05 - 11 March 2018

Solar activity was very low throughout the period.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached moderate levels on 10 Mar with normal levels observed through the remainder of the week.

Geomagnetic field activity reached active levels late on 09 Mar and early on 10 Mar due to the combined influences of a coronal hole high speed stream and a weak transient solar wind feature.

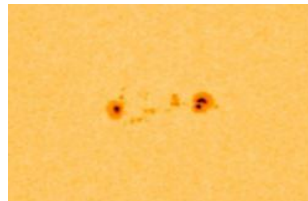
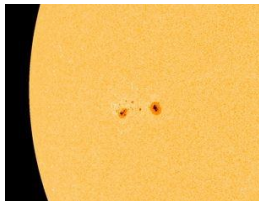
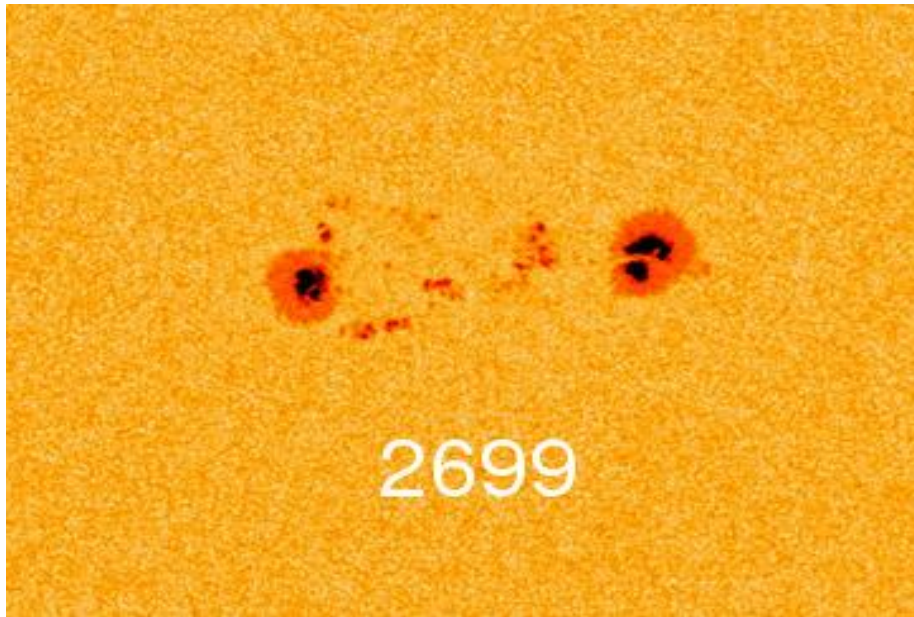
Forecast of Solar and Geomagnetic Activity

12 March - 07 April 2018

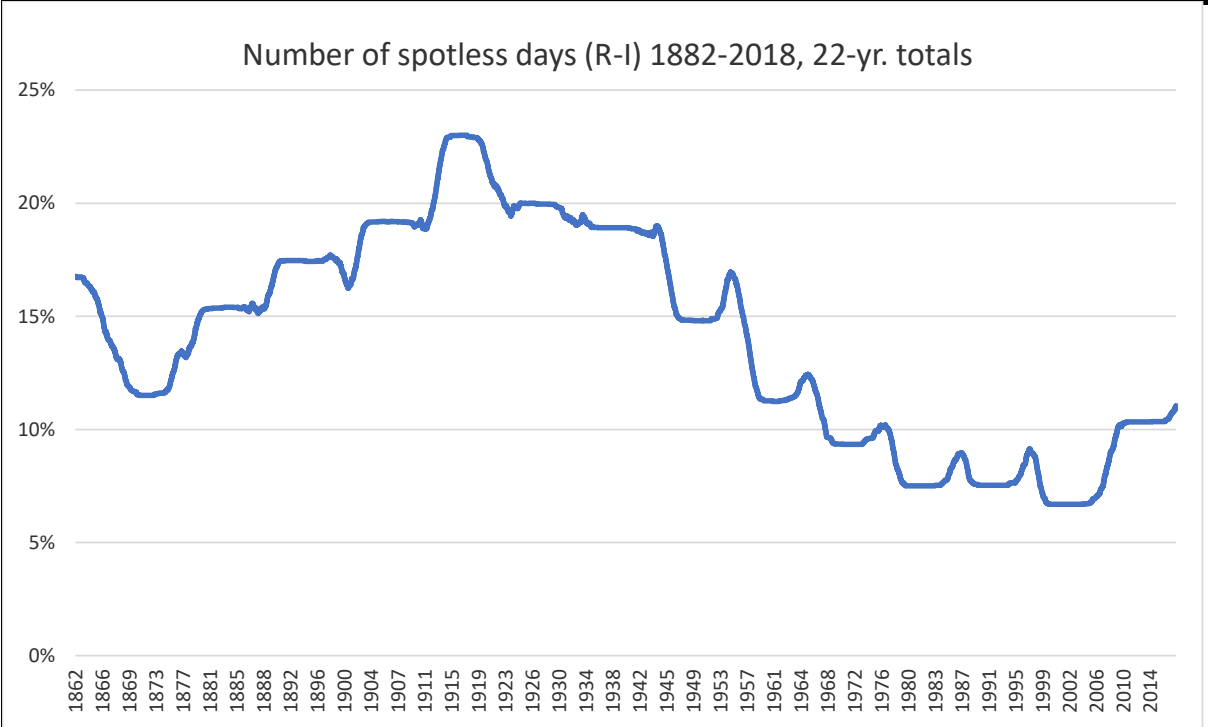
Solar activity is expected to continue at very low levels throughout the outlook period.

No proton events are expected at geosynchronous orbit.

Image Reports



*... This issue of MPR sent to you from Gran Canaria, Spain ... back in Norway 22nd March*





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

There are now 10149 entries registered  
containing 161044 CV-observations!

**This MPR issued 15th March 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: 20.03.2018 19:06 UTC