

Monthly Preliminary Report MPR

Web:

Email:



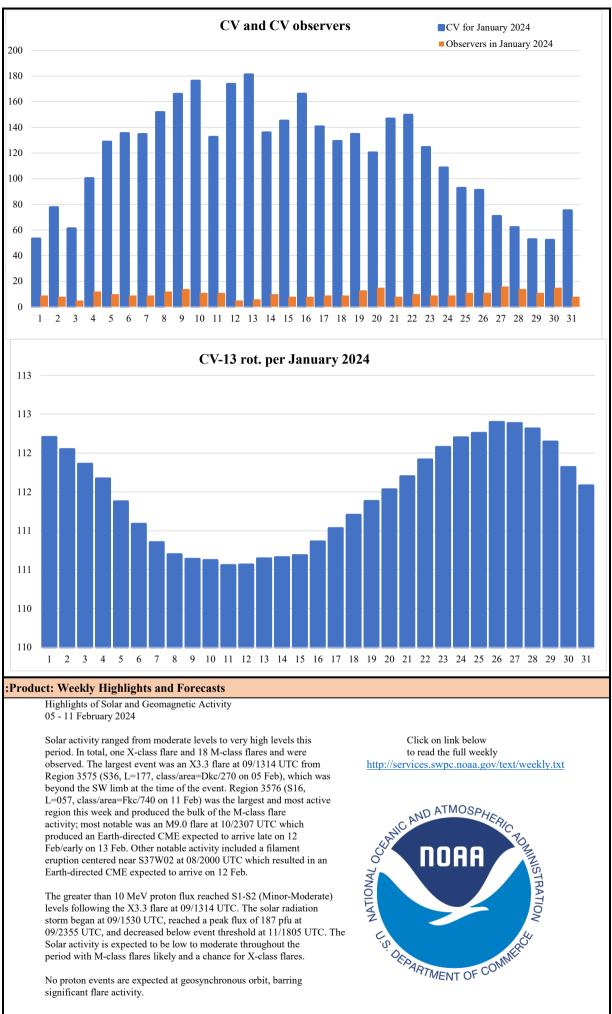
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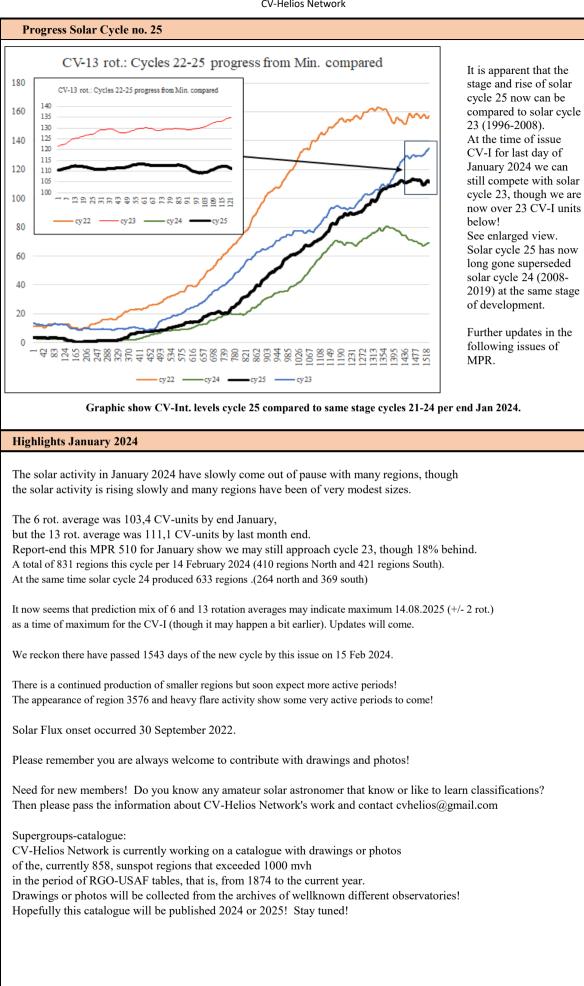
	Volume 44 Number 1	MPR no. 510	January 2024	ISSN 25	35-3780				
		CV-Helios No	etwork						
	Month	y Preliminary Repor	t for January 2024						
Solar Cycle 25: Month no. 50									
		oort id.: cv2401 - CV			-				
Memno.	Name	Country	CV	Obs	K	Obs. Tot.			
CV-001	KJELL INGE MALDE	NORWAY	137,5	19	1,043	9361			
CV-010	FRANKY DUBOIS	BELGIUM	101,8	18	0,921	9747			
CV-019 CV-023	ELMAR JUNKER	GERMANY	138,7	3	1,190	3865			
CV-023 CV-040	HARTMUT BRETSCHNEIDER		52,8	3	0,490	5967			
CV-040 CV-041	ROBERTO BATTAIOLA	ITALY	106,3	8	0,968	2157			
-	JENS ROTHERMEL	GERMANY	149,1 63,6	-	1,225	1455			
CV-068	SVEN OVE THIMM	DENMARK		7	0,510	4317			
CV-077	ANDREW JOHNSTON	UNITED KINGDOM	97,0	10	0,818	3711			
CV-080	JAN JANSSENS	BELGIUM	77,0	1	1,087	1231			
CV-082	PIOTR URBANSKI	POLAND	150,0	6	1,366	5583			
CV-086	TOS POLAND	POLAND	123,2	31	1,047	8814			
CV-091	GRZEGORZ DALEK	POLAND	89,1	9	0,756	4811			
CV-102	PAULO ROBERTO MOSER	BRAZIL	105,5	25	0,859	3179			
CV-105	ALEXEY RYBACK	RUSSIA	112,0	8	1,039	3521			
CV-122	VLASTISLAV FEIK	CZECH REPUBLIC	103,0	5	1,018	3215			
CV-135	GEMA ARAUJO	SPAIN	153,2	30	1,323	7617			
CV-136	FAUSTINO GARCIA	SPAIN	80,8	12	0,701	4024			
CV-139	JAVIER ALONSO	SPAIN	92,3	9	0,963	4185			
CV-151	JEFFREY CARELS	BELGIUM	61,2	6	0,795	3285			
CV-171	WALTER JOSE MALUF	BRAZIL	184,8	19	1,581	3092			
CV-204	STEFAN MEISTER	SWITZERLAND	131,0	2	1,288	830			
CV-207	ONDREJOV OBS. (AI CAS)	CZECH REPUBLIC	152,2	13	1,248	3865			
CV-208	JOHAN NEYS	BELGIUM	99,6	5	1,127	784			
CV-214	IGOR GRAGEDA MENDEZ	BOLIVIA	98,1	25	0,832	1391			
CV-215	ARNAUD MENGUS	FRANCE	101,0	5	0,909	376			
CV-219	KANDILLI OBSERVATORY	TURKEY	107,4	15	0,879	1038			
CV-220	MICHEL FRANGEUL	FRANCE	85,1	9	0,769	197			
CV-222	MILENA NIEMCZYK	POLAND	104,8	4	0,962	90			
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		P		2.1	77				
Totals	Observers	Days	CV	No	К				
	28	31	109,22	319	0,990				

CV-Helios Network

	Month Results for January 2024							
Date	CV	Obsrvrs	Regions 6 rot.	CV-USAF 6-rot.	CV-6 rot.	CV-13 rot.		
1	53,22	9	7,23	98,71	104,66	112,20		
2	77,63	8	7,21	97,75	103,88	112,05		
3	61,20	5	7,20	96,99	103,34	111,86		
4	100,33	12	7,16	96,40	103,00	111,67		
5	128,80	10	7,15	96,15	102,69	111,38		
6	135,44	9	7,13	96,30	102,45	111,09		
7	134,67	9	7,13	96,46	102,33	110,85		
8	151,83	12	7,12	96,60	102,35	110,70		
9	166,00	14	7,13	96,54	102,41	110,64		
10	176,36	11	7,13	96,46	102,53	110,62		
11	132,55	11	7,12	95,92	102,32	110,56		
12	173,80	5	7,13	96,14	102,11	110,56		
13	181,17	6	7,16	96,28	101,96	110,64		
14	136,00	10	7,18	96,34	101,69	110,66		
15	145,13	8	7,18	95,99	101,55	110,68		
16	166,13	8	7,21	95,91	101,60	110,86		
17	140,67	9	7,23	95,82	101,60	111,03		
18	129,22	9	7,23	95,80	101,73	111,20		
19	134,77	13	7,24	95,83	102,05	111,38		
20	120,31	15	7,25	95,79	102,42	111,53		
21	146,78	8	7,27	96,26	102,91	111,70		
22	149,70	10	7,27	96,69	103,33	111,92		
23	124,56	9	7,29	97,11	103,79	112,08		
24	108,67	9	7,30	97,34	104,09	112,20		
25	92,73	11	7,30	97,41	104,00	112,26		
26	91,17	11	7,29	97,58	103,83	112,40		
27	70,81	16	7,26	97,16	103,27	112,38		
28	62,14	14	7,23	96,94	102,81	112,32		
29	52,67	11	7,20	96,52	102,43	112,15		
30	52,20	15	7,18	96,27	102,06	111,82		
31	75,25	8	7,16	96,29	102,28	111,58		
Totals/ Avrgs	3,96	27,3	0,97	4,83	102,69	111,45		



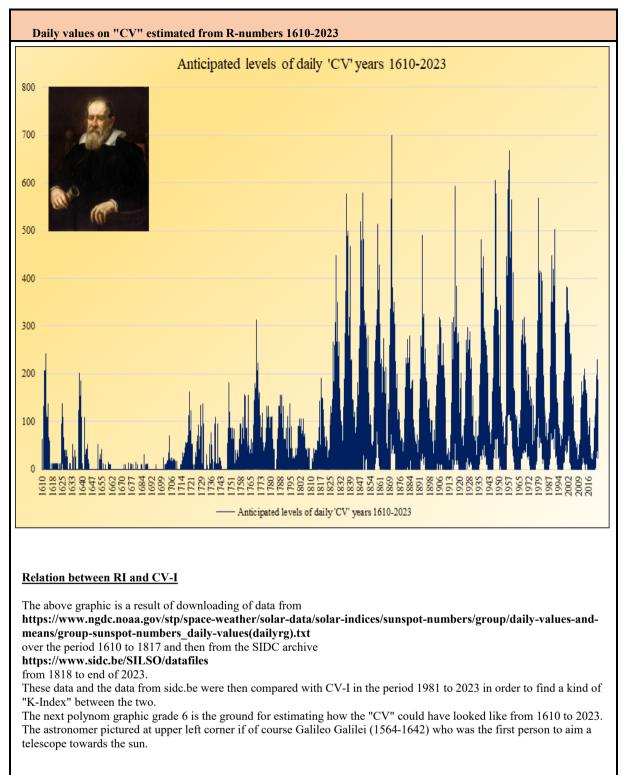


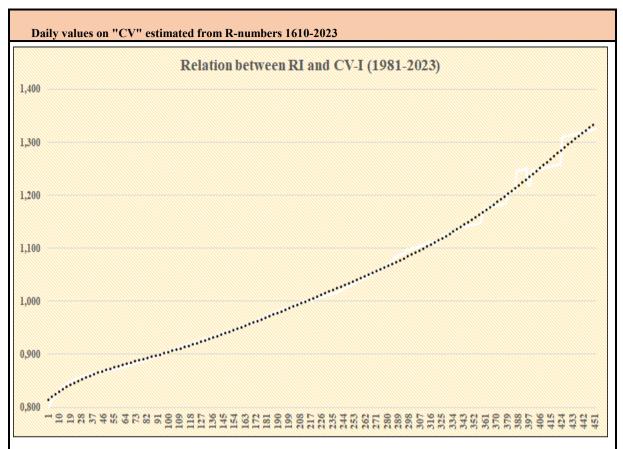


CV-Helios Network

Pictures from last month - Observer contributions, etc.				
Pictures from last month - Observer contributions, etc.				
Highlights January 2024 Photo courtesy: Thanks to CV-222 Milena Niemczyk, Poland				
Click on each of the images to see a larger view.				
Photos above from left January 20, 21 and 26 in 2024.				
All members are free to participate in sending in photos!				
Awards this month	0			
none				
New members:	Welcome to:			
CV-223 ERROL SIMPSON, UNITED KINGDOM (21 Jan. 2024)	Welcome to our New Member!			
CV-223 ERROL SIMPSON, UNITED KINGDOM (21 Jan. 2024)	Welcome to our New Member! We are now 51 active members (last 12 mo.)			
CV-223 ERROL SIMPSON, UNITED KINGDOM (21 Jan. 2024) Sunspot regions of January 2024				

CV-Helios Network





Relation between RI and CV-I

Upon investigating the RI-numbers all the way back to Galileo Galilei was made an intended "CV" based on the tables published at <u>https://www.ngdc.noaa.gov/stp/space-weather/solar-data/solar-indices/sunspot-numbers/group/daily-values_and-means/group-sunspot-numbers_daily-values(dailyrg).txt</u>

where the relation RI and CV-I for the time CV-Helios Network has existed were copied and each observed CV-value were used as a "K-Index" between the two,

This experiment was done not only for a guess how the CV could have looked like from year 1610 until today, but to reveal the correlation between RI and CV-I.

The abstract shown in the graphic here should show that any CV-value from 1 until 213, the CV-I will normally be lower than RI, and higher CV than RI from CV 213 and up.

CV=213 is in other words the average crossing point, K=1,000.

This will tell that normally groups are smaller but with more spots in the first scenario (CV 1-213), and more complex groups with perhaps fewer spots in the second case (CV 213-up).

This result is in the heart of CV-Helios Network's intentions indicating that a multispot-group not neccessarily have to be a large group and vice versa.

Next issue: The Grand Cycle

Solar Coordinates					
Daily list of Solar Ephemeris available at:					
Daily list of Solar Ephemeris and SDO on grid					
Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. and ad	ljusted SOHO-picture on grid.				
Calculating CV	<u> </u>				
For your convenience and security, use the mif2021,	NEW form (beta) for classifications released!				
https://www.cv-helios.net/mif2021.xlsx	(Let v form (beta) for classifications released.				
the Monthly Input Form, which you can use for all of your next reportin	asl				
Monitor MPR daily progress					
CV-Helios Network: Monitor MPR progress as entries are made!					
Monitor your submissions as they are registered:					
https://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 mo					
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 (please allow up to	24 hrs);				
	5 24 ms).				
https://www.cv-helios.net/helios/cv/web/datlist.htm	for checking of Entries Summary				
https://www.cv-helios.net/helios/cv/web/cvobsmonth.htm					
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					
Please check out www.cv-helios.net/cvrep2.html for updates of files!					
SUBMISSIONS OF CV-OBSERVATIONS					
Log on to:					
https://www.cv-helios.net/observations/index.html	Classification Help				
login solaris					
password cvheliosobs	Monthly Input Form as excel				
Submission before 15th of proceeding month 18:00 UTC.	(password: cvhelios)				
MPR issue 15th of proceeding month 2000 UTC. Good luck CV-obser					
Average received to registered time: 1 day 05 hours 31 minutes and average macrotime used for one registration is 12,98 seconds					
CV-Helios Network - over 42 years in solar amateur astronomy service!					
There are now 13186 registrations made, containing 212377 CV-observations!					
Last 12 months 5616 CV-observations from 38 observers originating from 16 countries					
Editorial close: 15.02.2024 18:59 UTC					
CV-Helios Network					