

# Monthly Final Report

## MFR

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

Web: <http://www.cv-helios.net>  
Email: cvhelios@gmail.com

Volume 33 Number 1

MPR 378

January 2013

(ISSN 2535-3780)

### CV-Helios Network

#### Monthly Final Report for January 2013

#### Solar Cycle 24: Month no. 51

#### Report id.: cv1301.pdf - CV-report no.: 378

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	84,6	23	1,068	6782
CV-010	DUBOIS, FRANKY	BELGIUM	64,2	17	0,810	6583
CV-019	JUNKER, ELMAR	GERMANY	37,3	3	0,471	2730
CV-020	HOLL, MANFRED	GERMANY	66,8	5	0,843	3899
CV-021	BARNES, HOWARD	NEW ZEALAND	84,8	8	1,070	3446
CV-022	VIERTTEL, ANDREAS	GERMANY	90,4	5	1,141	4317
CV-023	BRETSCHNEIDER, HARTMUT	GERMANY	94,8	4	1,196	3584
CV-034	VVS BELGIUM,	BELGIUM	71,0	24	0,897	4532
CV-038	MORALES, GERMAN	BOLIVIA	89,3	27	1,127	4833
CV-040	BATTAIOLA, ROBERTO	ITALY	163,0	1	2,058	1558
CV-044	SCHRÖDER, GERD	GERMANY	41,6	5	0,525	2846
CV-068	THIMM, SVEN OVE	DENMARK	49,9	7	0,629	2686
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	72,8	5	0,919	1692
CV-080	JANSSENS, JAN	BELGIUM	61,0	2	0,770	614
CV-082	URBANSKI, PIOTR	POLAND	83,0	6	1,048	3065
CV-086	TOS-POLAND	POLAND	83,8	31	1,058	4832
CV-091	DALEK, GRZEGORZ	POLAND	72,9	7	0,920	2562
CV-102	MOSER, PAULO ROBERTO	BRAZIL	96,6	11	1,220	1536
CV-103	STEEN, OCTAAF	BELGIUM	61,9	20	0,782	3111
CV-104	MEEUS, LIEVE	BELGIUM	104,0	4	1,313	1863
CV-105	RYBACK, ALEXEY	RUSSIA	80,1	7	1,012	2109
CV-107	LEVENTHAL, MONTY	AUSTRALIA	94,3	17	1,190	2790
CV-135	ARAUJO, GEMA	SPAIN	80,3	27	1,014	3697
CV-136	GARCÍA, FAUSTINO	SPAIN	93,7	10	1,183	2060
CV-139	ALONSO, JAVIER	SPAIN	69,0	14	0,871	1768
CV-151	CARELS, JEFFREY	BELGIUM	81,0	12	1,023	1197
CV-153	JASKULSKA, KRYSZYNA	POLAND	66,6	5	0,841	915
CV-168	SCHOTT, GERD LUTZ	GERMANY	77,1	14	0,974	1025
CV-171	MALUF, WALTER JOSE	BRAZIL	105,0	8	1,326	950
CV-178	MARIUZZA, FABIO	ITALY	76,7	6	0,968	839
CV-181	DERDZIKOWSKI, ADAM	POLAND	95,0	2	1,199	441
CV-207	ONDREJOV OBSERVATORY (AI CAS)	CZECH REPUBLIC	52,5	2	0,663	2197
Totals	Observers	Days	CV	No	K	
	32	31	79,53	339	1,004	

# *Monthly Final Report*

## *MFR*

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 33 Number 1

MPR 378

January 2013

(ISSN 2535-3780)

### Results

Date	CV	Obsrvrs	USAF	std.dev.	CV-6 rot.	CV-13 rot.
1	67,9	15	62	4,14	66,82	67,11
2	72,3	17	80	5,47	67,18	67,14
3	98,5	10	86	8,84	67,58	67,21
4	149,3	9	145	3,06	68,25	67,39
5	154,1	8	170	11,23	68,96	67,54
6	148,2	9	174	18,23	69,54	67,64
7	156,9	8	219	43,93	70,05	67,79
8	150,4	7	144	4,55	70,48	67,93
9	150,8	4	145	4,07	70,85	68,04
10	133,6	12	151	12,30	70,99	68,07
11	124,4	12	126	1,12	71,05	68,11
12	112,7	16	131	12,94	70,96	68,16
13	108,8	16	97	8,35	70,83	68,25
14	106,1	11	91	10,71	70,70	68,43
15	89,2	8	82	5,10	70,65	68,57
16	74,8	10	72	1,99	70,58	68,65
17	68,3	10	73	3,32	70,52	68,77
18	62,7	12	57	4,01	70,28	68,87
19	58,4	13	80	15,27	69,95	68,88
20	45,9	8	74	19,89	69,50	68,85
21	38,1	9	34	2,91	68,96	68,82
22	43,2	9	45	1,30	68,63	68,80
23	57,1	10	53	2,86	68,56	68,85
24	48,8	13	64	10,77	68,55	68,91
25	49,7	9	34	11,08	68,65	68,98
26	40,5	16	36	3,18	68,69	68,99
27	33,7	11	45	8,02	68,63	69,00
28	30,8	15	38	5,06	68,53	69,06
29	42,0	6	45	2,12	68,45	69,12
30	32,5	13	55	15,91	68,36	69,13
31	32,9	13	32	0,65	68,32	69,11
Totals/ Avrgs	<b>79,21</b>	<b>10,9</b>	<b>88,39</b>	<b>8,46</b>	<b>69,36</b>	<b>68,39</b>

Updated 22.10.2018 14:11 UTC