

# Monthly Final Report

## MFR

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### CV-Helios Network

#### Monthly Final Report for April 2002

#### Solar Cycle 23: Month no. 70

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Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	165,4	17	1,003	4286
CV-010	DUBOIS, FRANKY	BELGIUM	164,1	26	0,995	3599
CV-014	GÖTZ, MARTIN	DENMARK	260,7	3	1,581	1059
CV-019	JUNKER, ELMAR	GERMANY	209,6	7	1,271	1264
CV-020	HOLL, MANFRED	GERMANY	108,1	18	0,656	1877
CV-021	BARNES, HOWARD	NEW ZEALAND	188,0	14	1,140	2027
CV-022	VIERTEL, ANDREAS	GERMANY	163,1	16	0,990	2305
CV-023	BRETSCHNEIDER, HARTMUT	GERMANY	137,3	16	0,833	1550
CV-032	EGGER, FRITZ	SWITZERLAND	152,4	22	0,925	1523
CV-034	VVS BELGIUM,	BELGIUM	171,3	29	1,039	995
CV-038	MORALES, GERMAN	BOLIVIA	159,7	28	0,969	1277
CV-040	BATTAIOLA, ROBERTO	ITALY	144,9	9	0,879	660
CV-041	ROTHERMEL, JENS	GERMANY	268,0	3	1,626	700
CV-044	SCHRÖDER, GERD	GERMANY	130,3	19	0,791	726
CV-047	CARLSON, JIM	UNITED STATES	117,8	13	0,714	860
CV-055	ASTRO UNISON, MEXICO	MEXICO	141,9	16	0,861	664
CV-059	PAWLUTSCHENKO, BEN	AUSTRALIA	221,0	5	1,341	185
CV-064	STRICKLING, WOLFGANG	GERMANY	137,3	6	0,833	579
CV-068	THIMM, SVEN OVE	DENMARK	161,7	20	0,981	716
CV-071	HICKMANN, RICO	GERMANY	174,3	12	1,058	574
CV-076	LOADER, PAULINE	NEW ZEALAND	193,8	5	1,176	302
CV-082	URBANSKI, PIOTR	POLAND	172,0	26	1,043	621
CV-086	TOS-POLAND	POLAND	162,5	30	0,986	909
CV-087	KOLLER, FRANCOIS	FRANCE	199,6	12	1,211	470
CV-088	SEAL, ANTHONY	UNITED KINGDOM	220,9	12	1,340	145
CV-089	SZATKOWSKI, KRZYSIEK	POLAND	67,5	2	0,409	346
CV-091	DALEK, GRZEGORZ	POLAND	139,5	24	0,846	426
CV-095	ANDRESEN, BIRGER	NORWAY	180,7	15	1,096	143
CV-102	MOSER, PAULO ROBERTO	BRAZIL	173,1	23	1,050	155
CV-103	STEEN, OCTAAF	BELGIUM	178,0	29	1,080	461
CV-104	MEEUS, LIEVE	BELGIUM	151,1	19	0,916	201
CV-105	RYBACK, ALEXEY	RUSSIA	209,2	23	1,269	245
CV-107	LEVENTHAL, MONTY	AUSTRALIA	222,0	21	1,347	272
CV-116	BJERKGÅRD, TERJE	NORWAY	165,9	7	1,006	58
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	135,9	14	0,824	76
CV-128	NELIBA, VLASTIMIL	CZECH REPUBLIC	157,4	23	0,955	43
CV-129	MUSIALSKI, PAWEL	POLAND	89,5	2	0,543	2
CV-135	ARAÚJO, GEMA	SPAIN	141,3	19	0,857	215
Totals	Observers 38	Days 30	CV 166,75	No 605	K 1,012	

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### Results

Date	CV	Obsrvrs	USAF	std.dev.	CV-6 rot.	CV-13 rot.
1	173,6	27	162,40	7,94	156,97	152,55
2	180,3	24	169,87	7,37	156,56	152,60
3	178,7	21	168,09	7,51	156,16	152,68
4	176,5	26	165,66	7,70	156,03	152,77
5	195,2	23	186,69	6,00	155,96	153,04
6	213,1	23	207,27	4,14	156,12	153,51
7	209,0	23	202,51	4,59	156,01	153,97
8	197,5	23	189,32	5,77	155,86	154,33
9	202,2	17	194,69	5,30	155,81	154,59
10	166,8	19	154,85	8,48	155,58	154,68
11	196,8	19	188,53	5,84	155,48	154,80
12	205,3	17	198,26	4,98	155,67	154,92
13	235,0	15	232,71	1,62	156,22	155,17
14	226,9	14	223,19	2,59	156,59	155,38
15	215,4	15	209,89	3,89	156,82	155,61
16	175,1	21	164,04	7,82	156,91	155,72
17	143,0	21	128,77	10,09	156,75	155,72
18	144,7	23	130,56	10,00	156,40	155,72
19	145,5	21	131,45	9,95	155,90	155,70
20	128,8	21	113,50	10,82	155,43	155,64
21	120,0	23	104,15	11,17	155,04	155,59
22	127,4	19	111,97	10,88	154,66	155,55
23	141,5	19	127,13	10,18	154,39	155,57
24	208,5	14	201,94	4,64	154,58	155,72
25	170,8	16	159,26	8,17	154,54	155,79
26	115,5	11	99,54	11,32	154,16	155,73
27	116,8	27	100,83	11,28	153,76	155,76
28	114,9	18	98,91	11,34	153,34	155,87
29	99,3	22	82,79	11,66	152,91	155,97
30	82,6	23	66,14	11,65	152,56	155,98
Totals/ Avrgs	<b>164,85</b>	<b>20,2</b>	<b>155,83</b>	<b>7,82</b>	<b>155,44</b>	<b>154,89</b>

Updated 13.04.2018 07:57 UTC