

Monthly Final Report **MFR**

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CV-Helios Network
Monthly Final Report for March 2004
Solar Cycle 23: Month no. 93

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Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	68,0	24	1,044	4749
CV-010	DUBOIS, FRANKY	BELGIUM	76,9	24	1,181	4110
CV-014	GÖTZ, MARTIN	DENMARK	117,5	13	1,805	1232
CV-019	JUNKER, ELMAR	GERMANY	57,8	14	0,888	1512
CV-020	HOLL, MANFRED	GERMANY	48,4	11	0,743	2193
CV-021	BARNES, HOWARD	NEW ZEALAND	78,3	15	1,203	2334
CV-022	VIERTEL, ANDREAS	GERMANY	59,9	10	0,920	2598
CV-023	BRETSCHNEIDER, HARTMUT	GERMANY	44,7	20	0,686	1916
CV-034	VVS BELGIUM,	BELGIUM	69,9	26	1,074	1596
CV-036	BROMME, HEIKO	GERMANY	64,6	10	0,992	547
CV-038	MORALES, GERMAN	BOLIVIA	72,7	30	1,117	1945
CV-040	BATTAIOLA, ROBERTO	ITALY	80,0	3	1,229	863
CV-041	ROTHERMEL, JENS	GERMANY	123,5	2	1,897	849
CV-043	JOHNSON, ROBERT A.	UNITED STATES	67,2	13	1,031	613
CV-044	SCHRÖDER, GERD	GERMANY	55,1	15	0,846	1097
CV-047	CARLSON, JIM	UNITED STATES	60,7	14	0,933	1183
CV-055	ASTRO UNISON, MEXICO	MEXICO	60,1	18	0,923	956
CV-059	PAWLUTSCHENKO, BEN	AUSTRALIA	87,0	3	1,336	313
CV-064	STRICKLING, WOLFGANG	GERMANY	51,0	1	0,783	660
CV-068	THIMM, SVEN OVE	DENMARK	66,0	28	1,013	1115
CV-071	HICKMANN, RICO	GERMANY	73,6	9	1,130	760
CV-076	LOADER, PAULINE	NEW ZEALAND	69,5	6	1,068	447
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	66,4	18	1,021	405
CV-082	URBANSKI, PIOTR	POLAND	68,2	19	1,048	1048
CV-086	TOS-POLAND	POLAND	70,7	31	1,086	1604
CV-091	DALEK, GRZEGORZ	POLAND	62,1	19	0,953	803
CV-095	ANDRESEN, BIRGER	NORWAY	81,5	8	1,252	461
CV-102	MOSER, PAULO ROBERTO	BRAZIL	79,6	19	1,222	418
CV-103	STEEN, OCTAAF	BELGIUM	64,8	26	0,995	769
CV-104	MEEUS, LIEVE	BELGIUM	72,0	15	1,106	507
CV-105	RYBACK, ALEXEY	RUSSIA	66,8	9	1,026	572
CV-107	LEVENTHAL, MONTY	AUSTRALIA	68,3	8	1,048	731
CV-116	BJERKGÅRD, TERJE	NORWAY	52,7	3	0,809	121
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	63,0	17	0,968	406
CV-128	NELIBA, VLASTIMIL	CZECH REPUBLIC	68,4	23	1,050	526
CV-135	ARAUJO, GEMA	SPAIN	72,4	26	1,112	705
CV-146	GONZÁLEZ COROAS, ANGEL ALBERTO	CUBA	57,4	31	0,881	305
CV-149	JOSHI, BHARGAV	INDIA	7,8	26	0,120	78
CV-150	GOLOVIN, ALEX	UKRAINE	32,0	3	0,492	3
Totals	Observers 39	Days 31	CV 66,83	No 610	K 1,026	

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Results

Date	CV	Obsrvrs	USAF	std.dev.	CV-6 rot.	CV-13 rot.
1	61,1	21	45,61	10,98	72,24	80,51
2	36,3	15	23,62	8,94	72,02	80,41
3	25,5	18	14,98	7,44	71,71	80,24
4	31,1	15	19,36	8,28	71,40	80,05
5	59,1	17	43,69	10,87	71,25	79,95
6	78,8	17	62,38	11,59	71,20	79,91
7	71,2	23	55,06	11,39	71,10	79,85
8	54,8	22	39,81	10,61	70,95	79,77
9	53,2	17	38,33	10,50	70,71	79,80
10	54,6	19	39,64	10,60	70,49	79,92
11	52,9	19	38,12	10,49	70,27	80,05
12	63,9	19	48,23	11,12	70,03	80,17
13	68,9	19	52,89	11,32	69,75	80,23
14	60,0	23	44,60	10,92	69,51	80,21
15	48,7	21	34,29	10,16	69,42	80,11
16	48,4	17	34,07	10,14	69,39	79,92
17	63,5	22	47,77	11,09	69,44	79,67
18	57,3	23	42,08	10,77	69,47	79,34
19	64,9	14	49,08	11,16	69,54	79,05
20	70,5	15	54,38	11,37	69,64	78,77
21	57,9	20	42,62	10,80	69,58	78,50
22	60,6	26	45,13	10,95	69,67	78,26
23	70,4	21	54,35	11,37	69,78	77,99
24	72,1	16	55,91	11,42	70,13	77,79
25	109,7	16	93,46	11,48	70,72	77,72
26	117,7	16	101,78	11,25	71,44	77,74
27	116,7	17	100,75	11,28	72,05	77,83
28	87,7	24	71,17	11,69	72,42	77,89
29	70,9	24	54,81	11,39	72,70	77,89
30	68,3	27	52,36	11,30	72,79	77,95
31	65,1	27	49,32	11,17	72,81	77,99
Totals/ Avrgs	65,10	19,7	49,99	10,77	70,76	79,21

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