

CV-Helios Network
Annual Final Report
1981

Annual Report for 1981

In the year 1981, Solar Cycle no. 21
The Average CV was: 186,5 and the Average Smoothed CV was: 200,5
The Average CV-USAF was: 179,2
giving an Estimated STDEV of: 7,5

CV-Helios Network observed on 80 days
CV-Helios Network had a total of 88 observations in 1981
CV-Helios Network have received 9 observation entries in the year 1981
CV-Helios Network's observers had an average of 1,1 observations per day/month
CV-Helios Network have an average of 1,3 observers in this solar cycle

This Annual Final Report contain results from 3 cv-observers from 1 countries

A sincere thanks to all observers for their fine contributions in the passed year.

CV-Helios Network 01. April 1982



Kjell Inge Malde
Director



CV-Helios Network												
Annual Report no. 1												
CV-Helios Network: Daily CV-Values for the year 1981												
I	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Year 1981												
1									235,0		134,0	132,0
2									239,0	190,0	159,0	
3									207,0	185,0		
4									219,5	130,0		
5										158,0	172,0	243,0
6									283,0	231,0	163,0	360,0
7									227,0	143,0	249,0	268,0
8											230,0	248,0
9									206,0			318,0
10									173,0			
11									195,0	170,0		338,0
12									142,0	208,0		330,0
13											152,0	260,0
14									186,0		213,5	197,0
15								175,0	135,0		167,0	159,0
16								146,0			103,0	125,0
17								139,0		205,0		92,0
18										207,0	46,0	97,0
19									171,0			84,0
20								174,0	127,0	195,0		51,0
21								259,0		146,0	116,5	96,0
22								240,0		149,0		96,0
23								283,0	163,7	117,0		
24												
25												41,0
26								243,0	133,0			
27								321,0				
28								278,0	185,0	89,0	106,0	96,0
29								307,0			147,0	
30								265,0			164,0	
31								267,0				
Average:								238,2	189,8	168,2	154,8	181,6
No. days:	0	0	0	0	0	0	0	13	17	15	15	20

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CV-Helios Network: Daily SmCV24wk-Values for the year 1981													
II	Year 1981	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1										238,0	210,8	195,2	185,3
2										238,1	210,1	194,5	185,3
3										236,1	209,3	194,5	185,3
4										235,1	206,9	194,5	185,3
5										235,1	205,5	194,0	186,2
6										237,8	206,2	193,4	189,0
7										237,2	204,5	194,5	190,2
8										237,2	204,5	195,2	191,1
9										235,7	204,5	195,2	193,0
10										232,7	204,5	195,2	193,0
11										231,0	203,5	195,2	195,2
12										227,1	203,7	195,2	197,1
13										227,1	203,7	194,3	198,1
14										225,4	203,7	194,7	198,0
15									175,0	221,8	203,7	194,2	197,5
16									160,5	221,8	203,7	192,5	196,5
17									153,3	221,8	203,7	192,5	195,1
18									153,3	221,8	203,8	189,9	193,7
19									153,3	219,8	203,8	189,9	192,3
20									158,5	216,4	203,6	189,9	190,4
21									178,6	216,4	202,2	188,6	189,2
22									188,8	216,4	201,0	188,6	188,0
23									202,3	214,5	199,0	188,6	188,0
24									202,3	214,5	199,0	188,6	188,0
25									202,3	214,5	199,0	188,6	186,1
26									207,4	211,7	199,0	188,6	186,1
27									220,0	211,7	199,0	188,6	186,1
28									225,8	210,8	196,6	187,2	185,0
29									233,2	210,8	196,6	186,5	185,0
30									235,8	210,8	196,6	186,2	185,0
31									238,2		196,6		185,0
Average:									193,5	224,3	202,9	191,8	190,0
No. days:	0	0	0	0	0	0	0	0	17	30	31	30	31

CV-Helios Network												
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CV-Helios Network: Daily Estimated CV-USAF for the year 1981												
Year 1981	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1									232,7		119,0	116,9
2									237,4	180,8	146,2	
3									200,2	175,2		
4									214,6	114,8		
5										145,1	160,6	242,1
6									289,8	228,0	150,6	384,3
7									223,4	128,7	249,2	271,8
8											226,9	248,0
9									199,1			332,3
10									161,7			
11									186,5	158,4		357,0
12									127,6	201,4		347,1
13											138,5	262,2
14									176,3		207,7	188,8
15								163,9	120,1		155,0	146,2
16								132,0			86,6	109,5
17								124,4		197,9		75,5
18										200,2	31,9	80,5
19									159,5			67,5
20								162,8	111,6	186,5		36,4
21								261,0		132,0	100,5	79,5
22								238,6		135,2		79,5
23								289,8	151,3	101,1		
24												
25												27,6
26								242,1	118,0			
27								336,0				
28								283,8	175,2	72,5	89,7	79,5
29								318,9			133,1	
30								268,2			151,7	
31								270,6				
Average:								237,8	181,5	157,2	143,1	176,6
No. days:	0	0	0	0	0	0	0	13	17	15	15	20

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IV	CV-Helios Network: Daily Estimated STDEV for the year 1981											
Year 1981	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1									1,6		10,6	10,7
2									1,1	6,5	9,1	
3									4,8	7,0		
4									3,4	10,8		
5										9,1	8,1	0,6
6									4,8	2,1	8,8	17,2
7									2,6	10,1	0,1	2,7
8											2,2	0,0
9									4,9			10,1
10									8,0			
11									6,0	8,2		13,4
12									10,2	4,7		12,1
13											9,5	1,6
14									6,9		4,1	5,8
15								7,8	10,5		8,5	9,1
16								9,9			11,6	11,0
17								10,3		5,0		11,7
18										4,8	9,9	11,7
19									8,2			11,7
20								7,9	10,9	6,0		10,3
21								1,4		9,9	11,3	11,7
22								1,0		9,7		11,7
23								4,8	8,7	11,3		
24												
25												9,5
26								0,6	10,6			
27								10,6				
28								4,1	7,0	11,7	11,6	11,7
29								8,4			9,9	
30								2,3			8,7	
31								2,5				
Average:								5,5	6,5	7,8	8,3	9,2
No. days:	0	0	0	0	0	0	0	13	17	15	15	20

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V	CV-Helios Network: Number observations for the year 1981											
Year 1981	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1									1		1	1
2									1	1	1	
3									1	1		
4									2	1		
5										1	1	1
6									2	1	1	1
7									1	1	2	1
8											2	1
9									1			1
10									1			
11									1	1		1
12									1	1		1
13											1	1
14									1		2	1
15								1	1		1	1
16								1			1	1
17								1		1		1
18										1	1	1
19									1			1
20								1	1	1		1
21								1		1	2	1
22								1		1		1
23								1	3	1		
24												
25												1
26								1	1			
27								1				
28								1	1	1	1	1
29								1			1	
30								1			1	
31								1				
Average:								1,0	1,2	1,0	1,3	1,0
Total:	0	0	0	0	0	0	0	13	21	15	19	20
No. days:	0	0	0	0	0	0	0	13	17	15	15	20

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VI	CV-Helios Network: Monthly CV for Solar Cycle 21											
CYCLE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981									189,8	168,2	154,8	181,6
1982												
1983												
1984												
1985												
1986												
1987												
1988												
1989												
1990												
1991												
1992												
AVERAGE									189,8	168,2	154,8	181,6

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CV-Helios Network: Monthly No. obs. for Solar Cycle 21												
CYCLE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981									21	15	19	20
1982												
1983												
1984												
1985												
1986												
1987												
1988												
1989												
1990												
1991												
1992												
TOTAL	0	0	0	0	0	0	0	0	21	15	19	20

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VIII	CV-Helios Network: Monthly No. observers for Solar Cycle 21											
CYCLE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981								1	3	2	2	1
1982												
1983												
1984												
1985												
1986												
1987												
1988												
1989												
1990												
1991												
1992												
AVERAGE								1,0	3,0	2,0	2,0	1,0

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IX	CV-Helios Network: Monthly STDEV-calculations for the year 1981		
1981	Average STDEV	STDEV	Rel. STDEV
January			
February			
March			
April			
May			
June			
July			
August	5,5	3,8	68,39 %
September	6,5	3,2	49,13 %
October	7,8	2,9	36,95 %
November	8,3	3,4	41,52 %
December	9,2	3,4	36,91 %
AVERAGE	3,3	3,3	46,6 %

CV-Helios Network

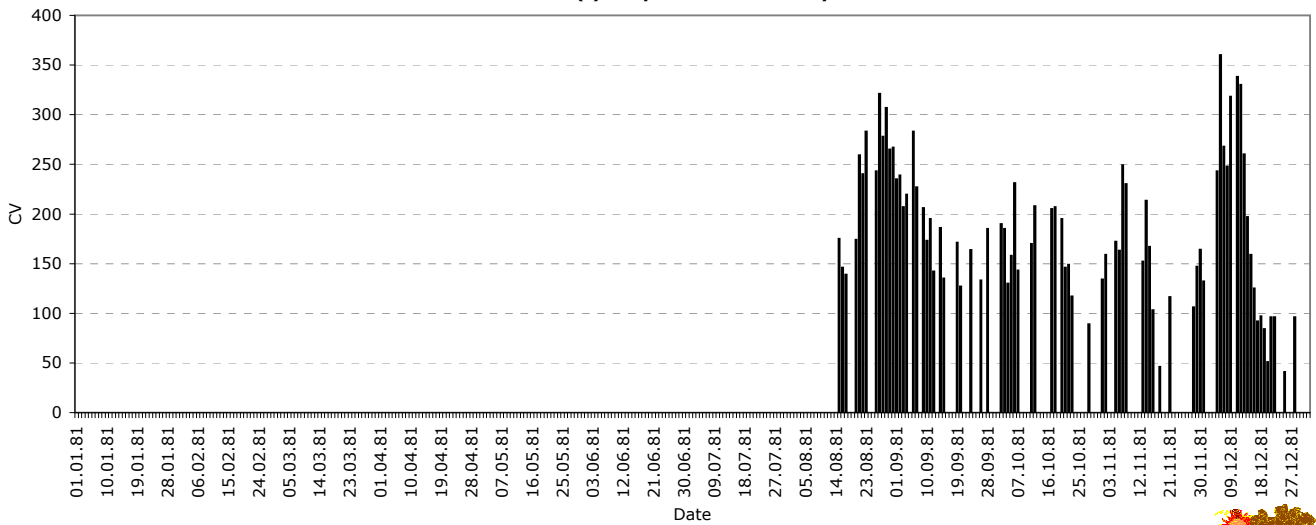
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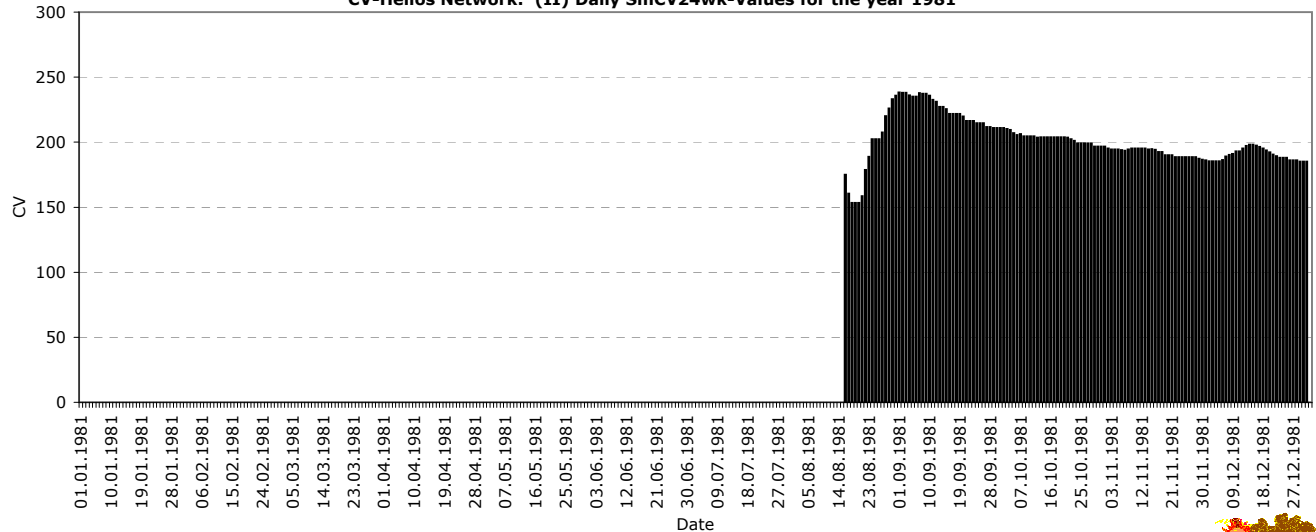
XI

CV-Helios Network: Graphic section for the year 1981

CV-Helios Network: (I) Daily CV-Values for the year 1981



CV-Helios Network: (II) Daily SmCV24wk-Values for the year 1981

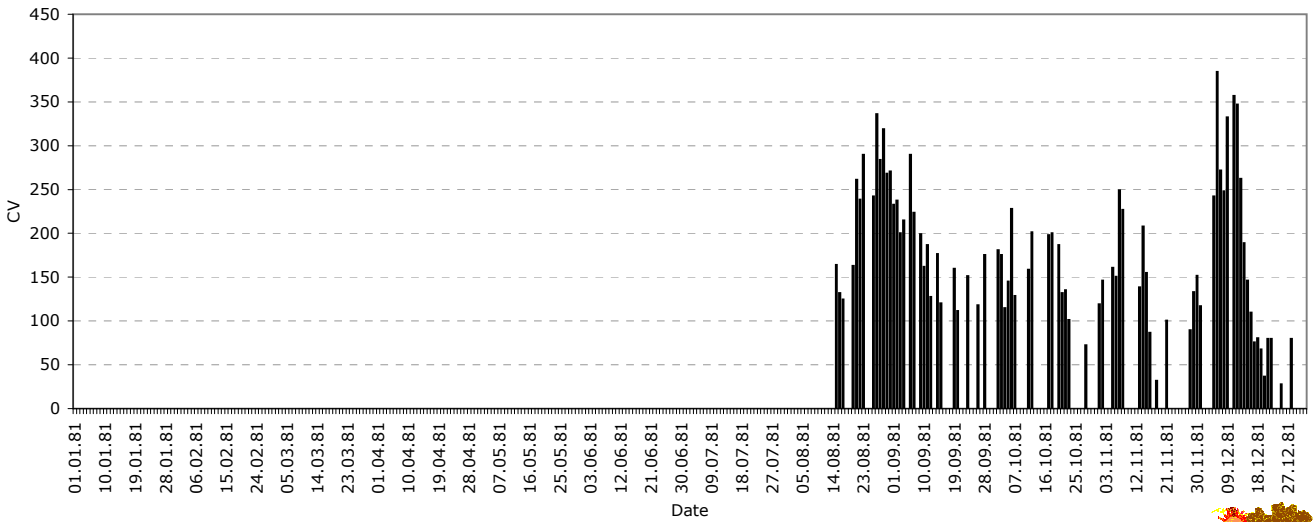


CV-Helios Network

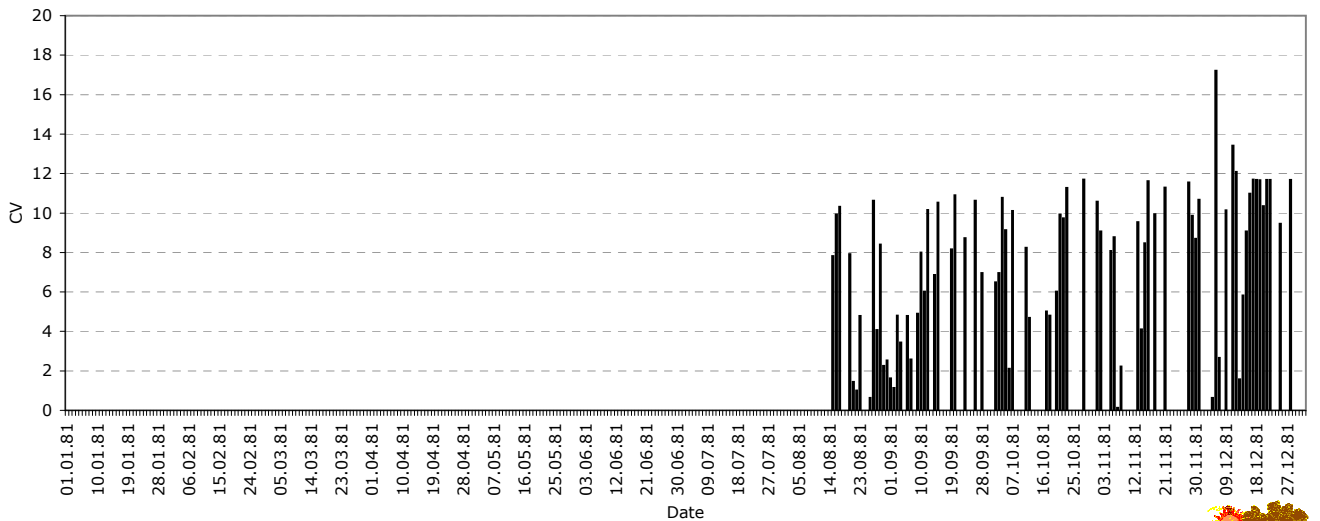
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CV-Helios Network: (III) Daily Estimated CV-USAF for the year 1981



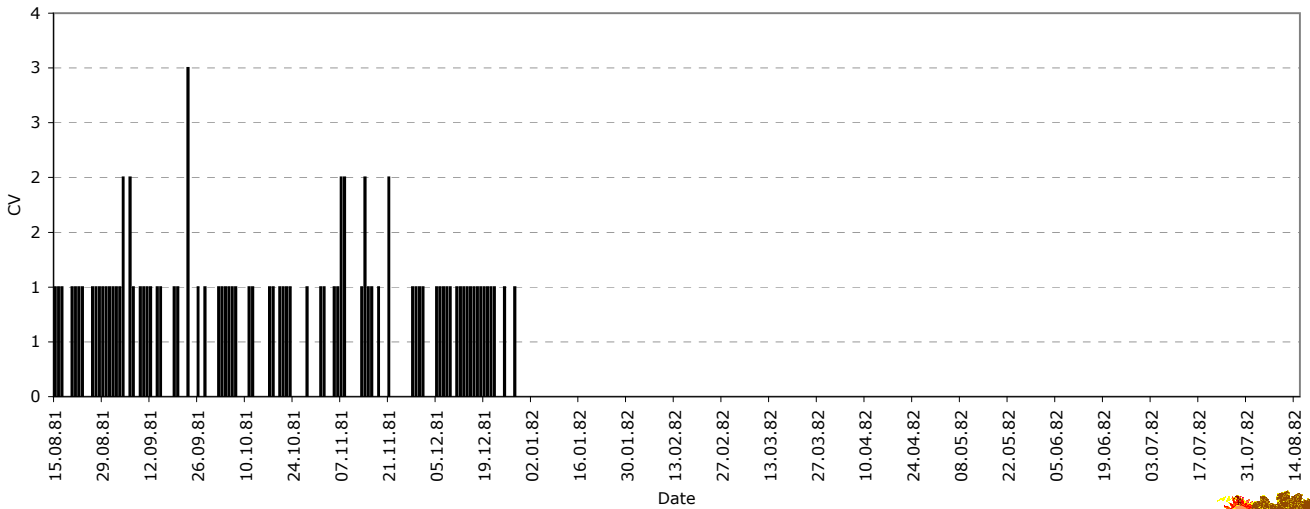
CV-Helios Network: (IV) Daily Estimated STDEV for the year 1981



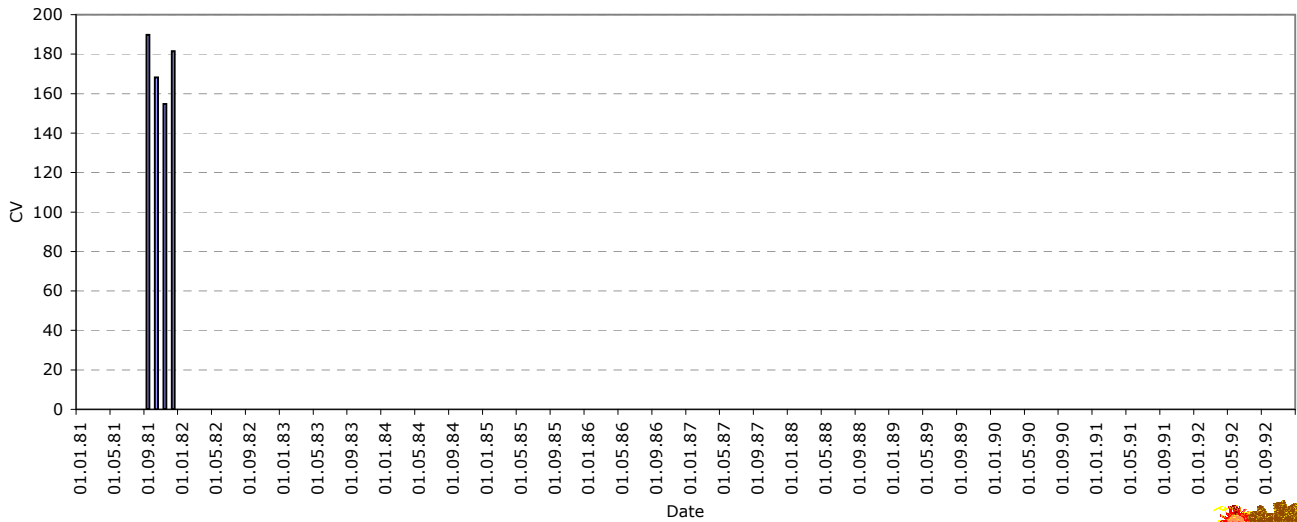
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CV-Helios Network: (V) Number observations for solar cycle 21



CV-Helios Network: (VI) Monthly CV for Solar Cycle 21

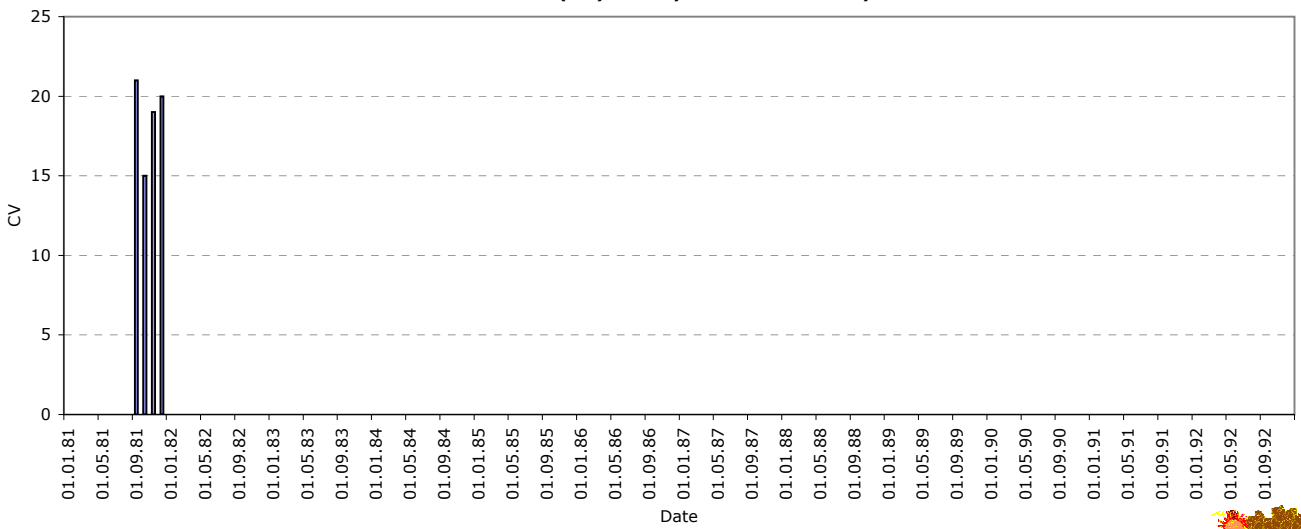


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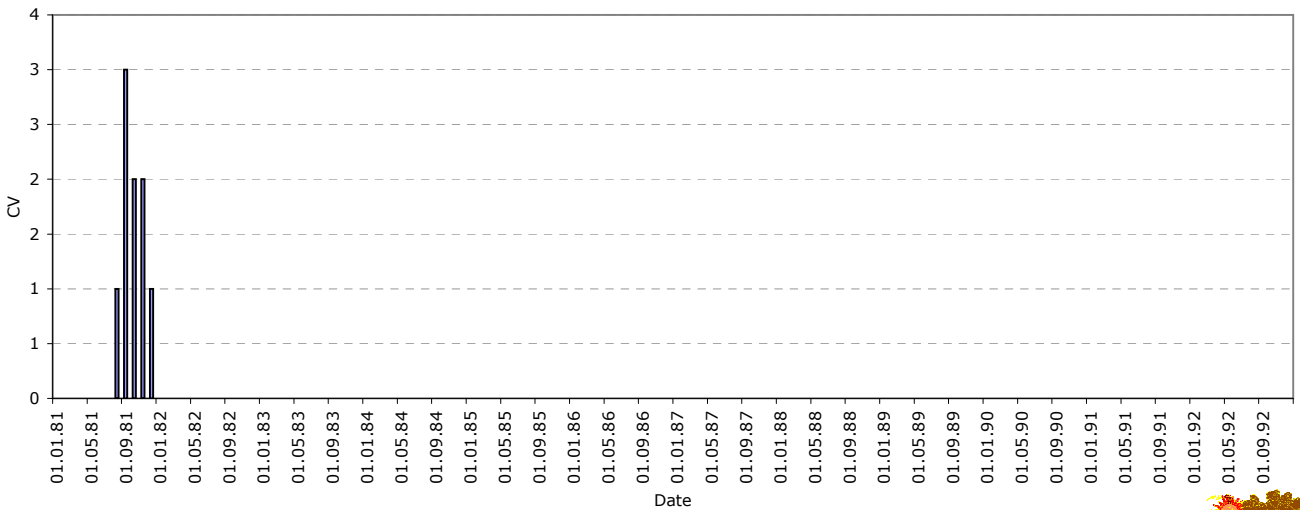
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CV-Helios Network: (VII) Monthly No. obs. for Solar Cycle 21

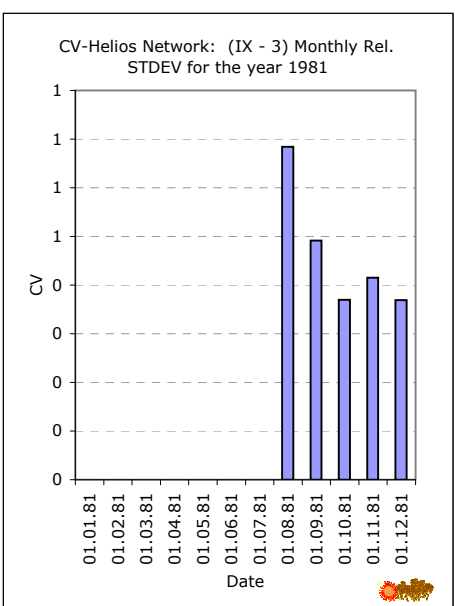
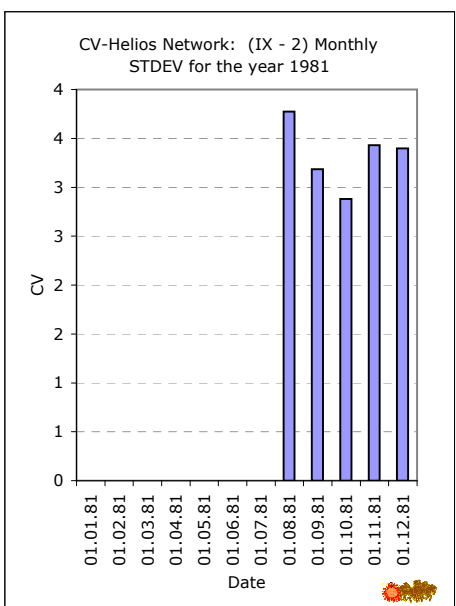
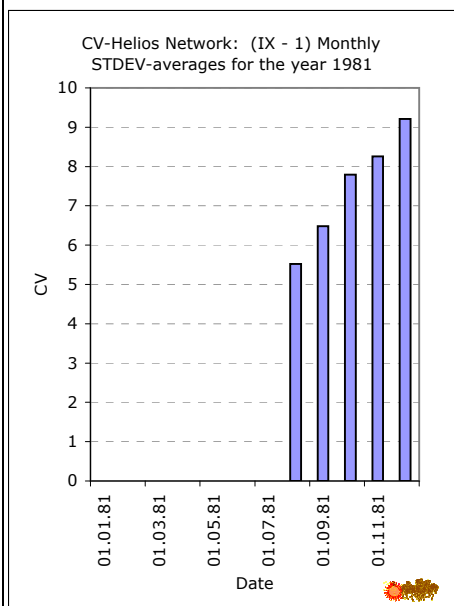


CV-Helios Network: (VIII) Monthly No. observers for Solar Cycle 21



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Thanks to all who contributed to CV-observing in 1981
Data above also available at
<http://www.cv-helios.net/cv/reports/1981.html>

**Best regards,
Kjell Inge Malde
CV-Helios Network**

AFR Revised 02.06.2010 21:26:41

CV-Helios Network

Classification Values after Malde - 1981

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CV-observations - www.cv-helios.net/cvobs.html

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SERVING AMATEUR SOLAR ASTRONOMY SINCE 1981

in solis vitae - "there is life in the sun"

