

Monthly CV-report for January 1990 - Report no. 102			CV Helios Network		Year 1990																												
Date	CV	Observer number	Observer																														
			Obs	CV-001	CV-008	CV-012	CV-016	CV-018	CV-019	CV-020																							
			KJELL INGEMALDE	JOST JAHN	JANS TRYGVJEHEEN	BRUCE HARDIE	FRANZ BRANDL	ELMAR JUNKER	MANFRED HOLL																								
1																																	
2	210,0	1				210																											
3																																	
4																																	
5																																	
6	111,5	2		94		129																											
7	83,0	1	83																														
8	147,0	1				147																											
9	145,0	2				122	168																										
10	156,0	1				156																											
11																																	
12	151,0	1				151																											
13	149,5	2				218	81																										
14	203,0	2				263	143																										
15	159,0	1				159																											
16																																	
17	191,0	1				191																											
18	134,0	3		111		162	129																										
19	209,0	2				194	224																										
20	186,5	2			159	224	214																										
21	247,0	3			232	335	174																										
22	223,0	1				223																											
23	183,5	2				217	150																										
24	160,0	2				159	161																										
25	192,0	1			192																												
26	155,0	1				155																											
27	126,0	4	87			162	135	120																									
28	187,0	2				196	178																										
29	240,5	2		265		216																											
30	191,0	3		200		166	207																										
31	179,0	2				170	188																										
No. Obs.:		45	2	4	3	17	17	1	1																								
Average CV	150,87		85,0	167,5	194,3	191,4	168,9	129,0	120,0																								
No. Observers		7	0,693	1,110	1,288	1,288	1,119	0,695	0,795																								

Monthly CV-report for February 1990 - Report no. 103			CV Helios Network		Year 1990																									
Observer number			CV-001	CV-002	CV-008	CV-012	CV-016	CV-018	CV-019	CV-020																				
Date	CV	Observer	KJELLINGE MALDE	TERJE LARSEN	AST JANN	JARS TRYGVE HEEN	BRUCE HADDIE	FRANZ BRANDL	ELMAR LUNKER	WALFRED HOLL																				
1	198,0	1					198																							
2																														
3	167,7	3					208	195		100																				
4	120,3	4			98	116		162		105																				
5	118,0	3			118			166		70																				
6	76,8	4			79			115	48	65																				
7	83,0	1						83																						
8	70,0	1					70																							
9	89,8	4		177			50	79		53																				
10	51,0	4			35		50	81		38																				
11	62,0	2						76	48																					
12	76,0	2					50	102																						
13	89,0	1						89																						
14	75,0	1						75																						
15	58,5	2					50	67																						
16	57,0	2					50	64																						
17	51,2	5			21	59		83	70	23																				
18	92,0	2					115	69																						
19	66,0	2			86					46																				
20	228,0	1						228																						
21	195,0	5				139	166	300	239	131																				
22	232,2	5			182		226	321	301	131																				
23	233,7	3			253			308		140																				
24	250,7	3			245			320		187																				
25	287,0	3	175			270		416																						
26	296,0	3				199	330	359																						
27	324,0	2					300	348																						
28	307,7	3			223		300	400																						
29																														
30																														
31																														
No. Obs.:	72	1	1	10	5	15	23	5	12																					
Average CV	156,73	175,0	177,0	134,0	156,8	149,7	182,0	188,8	90,8																					
No. Observers	8	1,117	1,128	0,855	0,998	0,955	1,161	1,206	0,579																					

Monthly CV-report for March 1990 - Report no. 104							CV Helios Network		Year 1990	
Observer number	CV-001	CV-008	CV-012	CV-018	CV-019	CV-020				
Date	CV	Observer	Observer	Observer	Observer	Observer				
		KJELLINGE MALDE	OSTJARN	LARS TRYGVJE BEEN	BRUCE HARDIE	ELMAR JUNKER	MANFRED HOLL			
1	278.0	1			278					
2	242.0	2			315		169			
3	176.0	2			207		145			
4	122.8	4	128	96	175		92			
5										
6										
7										
8										
9										
10	108.0	1			108					
11	75.3	3	79	36	111					
12	188.5	2			135	242				
13	142.7	3		63	144	221				
14	102.0	3		56		171	79			
15	100.0	1		100						
16	127.0	2		128			126			
17	123.5	4	76	124	171		123			
18	131.3	3	109	140			145			
19	169.3	3	124		196	188				
20	159.0	2		151			167			
21	161.0	3	197		165	121				
22	130.5	2			114		147			
23										
24	175.5	2	156		195					
25	177.3	3	173		202		157			
26	205.0	2	208		202					
27	137.5	2			153	122				
28	178.0	1			178					
29	141.0	3	115		193		115			
30	132.0	2		127			137			
31	99.5	2		116			83			
No. Obs.:	58	10	9	4	18	4	13			
Average CV	145,17	136,5	108,7	130,0	177,2	189,0	129,6			
No. Observers	6	0,840	0,748	0,896	1,221	1,302	0,893			

Monthly CV-report for April 1990 - Report no. 105										CV Helios Network		Year 1990																			
Observer number		CV-001	CV-008	CV-012	CV-018	CV-020																									
Date	CV	Observer	KJELLINGE WALDE	JOST JARN	JARSTRYGVE TEEEN	FRANZ BRANDL	MANFRED HOLL																								
1	139.3	3	118			151	149																								
2	130.7	3	106			152	134																								
3	110.5	2		102		119																									
4	111.0	4	95	106	116	127																									
5	97.5	2		105			90																								
6	91.3	3	69	105			100																								
7	105.3	4	99	127	111		84																								
8	118.0	2			152		84																								
9	95.7	3		79		145	63																								
10	88.0	2		47		129																									
11	83.3	4	56		99	108	70																								
12	64.0	3		42		59	91																								
13	156.3	4	156	137	146	186																									
14	199.5	2	173			226																									
15	190.0	3		162		257	151																								
16	150.0	5	129	164	154	166	137																								
17	159.4	5	180	174	160	153	130																								
18	208.5	2			223	194																									
19	182.0	2	156		208																										
20	197.5	2		216		179																									
21	225.0	3		253	200	222																									
22	199.3	4	186	251		202	158																								
23	179.3	4	195	212		175	135																								
24	199.8	4	234		193	184	188																								
25	166.0	4	137	152		241	134																								
26	96.5	2	76	117																											
27	104.3	4	88	110	136		83																								
28	128.5	2		83		174																									
29	208.0	1				208																									
30	95.7	3		46		182	59																								
31																															
No. Obs.:	91	15	21	13	23	19																									
Average CV	141,83	135,3	126,6	157,9	170,3	119,1																									
No. Observers	5	0,954	0,893	1,113	1,201	0,838																									

Monthly CV-report for May 1990 - Report no. 106								CV Helios Network		Year 1990																							
Observer number	CV-001	CV-008	CV-012	CV-019	CV-020																												
Date	CV	Observer	Observer	Observer	Observer																												
Obs		NELINGE WALDE	JOST JAHN	JARIS TRYGVIE HJERN	ELMAR JUNGER	MANFRED HOLL																											
1	61,4	5	38	37	51	131	50																										
2	66,8	5	37	38	47	168	44																										
3	68,0	5	38	50	49	140	63																										
4	74,0	5	66	61	83	85	75																										
5	78,0	4	60	64	126	62																											
6	127,0	4	105	111		178	114																										
7	127,8	5	117	154	113	154	101																										
8	126,2	5	118	96	154	148	115																										
9	116,4	5	101	107	129	100	145																										
10	102,3	4	83	104	106		116																										
11	120,5	4		151	103	96	132																										
12	172,5	2		148	197																												
13	158,0	2		135	181																												
14	141,5	2	102		181																												
15	159,0	3		154		155	168																										
16	153,0	2		149			157																										
17	143,3	3	130	151		149																											
18	154,5	2	141				168																										
19	168,3	4	149	212		128	184																										
20	181,6	5	162	193	207	170	176																										
21	203,0	2	212				194																										
22	203,6	5	197	208	252	181	180																										
23	201,6	5	186	215	244	179	184																										
24	174,0	2		167			181																										
25	122,0	3	134	115			117																										
26	104,5	2	97				112																										
27	118,0	3	119	99			136																										
28	132,7	3		106	180		112																										
29	85,7	3	92	63			102																										
30																																	
31	75,0	1					75																										
No. Obs.:		105	21	25	17	17	25																										
Average CV	128,60		115,4	123,4	137,7	139,0	127,5																										
No. Observers		5	0,899	0,958	1,071	1,081	0,892																										

Monthly CV-report for June 1990 - Report no. 107			CV Helios Network		Year 1990																							
Observer number			CV-001	CV-008	CV-012	CV-015	CV-019	CV-020																				
Date	CV	Observer	KJELLINGE MALDE	JOST JARN	JARST TRYGVIE BEEN	PHILIPP STOLLWERCK	ELMAR JUNKER	MANFRED HOLL																				
1	85.3	3		104		86		66																				
2	120.0	2			152			88																				
3	157.0	2	126		188																							
4	161.0	1			161																							
5	85.5	2	90					81																				
6	147.3	2	119		176																							
7																												
8	140.0	1			140																							
9	111.0	2	108		114																							
10	124.0	2	101		147																							
11	103.3	3	125	70				115																				
12	113.0	2		130				96																				
13	102.0	1						102																				
14	141.7	1	142																									
15	136.5	2		140			133																					
16	76.0	1						76																				
17	119.0	5	106	150	146	106		87																				
18	102.0	1		102																								
19	58.0	2		60		56																						
20	94.0	2	104		84																							
21	55.0	3		55			51	59																				
22	54.5	2					47	62																				
23																												
24	87.5	2					115	60																				
25	110.9	2	107		115																							
26	101.0	3		119			111	73																				
27	132.3	3	82		155			160																				
28	189.7	3		199	227			143																				
29	174.8	4	191	241	27			240																				
30	322.5	2			364			281																				
31																												
No. Obs.:	61		12	11	14	3	7	14																				
Average CV	117,55		116,7	124,5	156,9	82,7	128,3	96,3																				
No. Observers	6		0,993	1,059	1,334	0,703	1,094	0,819																				

Monthly CV-report for July 1990 - Report no. 108					CV Helios Network		Year 1990	
Observer number	CV-001	CV-008	CV-012	CV-020				
Date	CV	Observer	Obs					
1	272,0	2	266	278				
2	281,5	2	273	290				
3	319,7	3	336	278	345			
4	282,5	2		268	297			
5								
6								
7	246,0	3	199	256	283			
8								
9	121,0	1			121			
10	112,0	1			112			
11	76,0	2		69	83			
12	103,5	2	99	108				
13	109,5	2	110	109				
14	78,0	2	73	83				
15	95,3	3	97,9	85		103		
16	91,9	2	96,9			87		
17								
18	78,3	1	78,3					
19	76,0	2		86	66			
20	87,0	3		72	107	82		
21	121,3	3		95	184	85		
22	148,3	3		159	178	108		
23	165,0	2		150	180			
24	177,0	1			177			
25	188,0	3	183	163	218			
26	173,5	4	171	154	238	131		
27	202,3	3	219	207		181		
28	148,7	4	171	133	141	150		
29	128,4	3	149	88	148			
30	70,5	2		62		79		
31	122,0	3		105	122	139		
No. Obs.:	64	15	21	18	10			
Average CV	152,16	168,1	143,2	182,8	114,5			
No. Observers	4	1,05	2,94	1,201	0,753			

Monthly CV-report for August 1990 - Report no. 109			CV Helios Network		Year 1990																						
Observer number			CV-001	CV-008	CV-012	CV-013	CV-020																				
Date	CV	Observer	HELLINGE MALDE	POST JARN	KARSE TRYGVIG BEEN	ELMAR JUNNER	MANFRED HOLL																				
1	142,8	5	181	93	143	178	119																				
2	163,2	5	173	145	171	202	125																				
3	173,9	5	205	167	188	181	129																				
4	110,3	4		81	92	164	104																				
5	126,7	3			139	128	113																				
6	131,7	3			144	125	126																				
7	105,3	3		114	79	123																					
8	146,7	3		131	140	169																					
9	158,7	3	135		174	167																					
10	180,7	3	198		163		181																				
11																											
12	147,3	3		120	141		181																				
13	177,5	2			147		208																				
14	223,0	2	222		224																						
15	232,5	2			287		178																				
16	245,7	3		246	249		242																				
17	209,7	3		231		181	217																				
18	311,0	1			311																						
19	323,5	2		293	354																						
20	356,0	1		356																							
21	283,0	3	290		251	308																					
22	261,0	3		371	232		180																				
23	278,4	5	348	292	225	339	188																				
24	304,0	1				304																					
25	274,5	2	297		252																						
26	224,2	4	271	265	176		185																				
27	198,0	3		233		157	204																				
28	194,0	2		227			161																				
29	196,7	3		252	172		166																				
30	175,1	2	198	152																							
31	126,0	1			126																						
No. Obs.:	85		11	18	24	14	18																				
Average CV	198,18		228,9	209,4	190,8	194,7	167,1																				
No. Observers	5		1,155	1,057	0,863	0,983	0,843																				





Monthly CV-report for October 1990 - Report no. 111				CV Helios Network		Year 1990																									
Observer number		CV-001	CV-008	CV-019	CV-020																										
Date	CV	Observer	Obs																												
		KELINGE WALDE	POST JAHN	ELMAR JUNNER	MANFRED HOLL																										
1	58,0	2		64	52																										
2	68,0	1		68																											
3	109,5	2		91	128																										
4	138,5	2		166	111																										
5																															
6	134,0	1		134																											
7	102,5	2		104	101																										
8	155,0	1			155																										
9	104,0	1		104																											
10	218,3	1	218																												
11	231,3	2	238	225																											
12	152,5	2		166	139																										
13	190,7	4	245	175	174	169																									
14	183,5	3	242	167		142																									
15	232,1	2	251	213																											
16	157,5	2		147	168																										
17	114,0	1	114																												
18	176,8	2	207	147																											
19	185,6	2	229	142																											
20	195,4	1	195																												
21	112,1	3	140	80		116																									
22	95,9	3	99,7	92	96																										
23	98,8	4	112	68	96	119																									
24	98,4	3	113	75	107																										
25	96,0	2	125	67																											
26	76,5	2	101	52																											
27	67,0	1			67																										
28	81,0	1			81																										
29	83,0	1			83																										
30																															
31	114,0	1	114																												
No. Obs.:		55	16	19	8	12																									
Average CV	134,42		171,6	113,5	134,4	118,3																									
No. Observers	4		1,276	2,844	1,000	0,880																									



