

BBSAG

BULLETIN

102

1992 December 31

135. List of Minima of Eclipsing Binaries

The following table lists 14 photoelectric (underlined), 24 CCD-measured and 313 visual heliocentric minima of eclipsing binaries obtained primarily from August 1992 to November 1992 by the following observers:

FAc	Francesco Acerbi, Codogno, Italy
EBl	Ernst Blättler, Wald, Switzerland
GB	Guy Boistel, Sautron, France
RB	Roland Boninsegna, Dourbes, Belgium
MD	Michael Dahm, Bremen, Germany
RD	Roger Diethelm, R. Szafraniec Observatory, Metzerlen, Switzerland
SE	Sophie van Eck, Braine l'Alleud, Belgium
KL	Kurt Locher, Grüt, Switzerland
APs	Anton Paschke, Rüti, Switzerland
HP	Hermann Peter, Otelfingen, Switzerland
DR	Delphine Russeil, Abriès, France
JVb	Jacqueline Vandenbroere, Bruxelles, Belgium

The O-C values generally refer to the linear elements of the GCVS 1985, with the remarked exceptions. For the reduction of the visual minima, the tracing paper method was employed, while most of the photoelectric observations were reduced with the Kwee-van Woerden algorithm.

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30162	2308+527	RT And	p	48934.330	0.004	+0.005	10	HP	
30163	2311+458	TT And	p	48859.459	0.003	-0.025	8	HP	
30164	0041+306	UU And	p	48860.359	0.003	-0.003	6	KL	
30165	0153+418	XZ And	p	48838.472	0.004	+0.019	13	KL	
30166			p	48872.412	0.005	+0.027	12	HP	
30167			p	48891.415	0.003	+0.028	10	HP	
30168	2334+483	AD And	p	48862.420	0.005	-0.018	8	HP	
30169			p	48946.240	0.005	-0.024	8	HP	
30170	2308+516	BL And	p	48860.345	0.004	+0.014	6	HP	
30171			p	48891.410	0.004	+0.017	6	HP	
30172	0008+418	DO And	p	48859.523	0.010	-0.017	5	KL	elem. MVS 11, 106
30173	0139+445	EP And	p	48886.475	0.020	+0.046	8	KL	
30174	0209+444	GZ And	p	48946.359	0.005	+0.003	6	HP	
30175	2324+452	LO And	s	48852.416	0.004	+0.036	7	HP	elem. GEOS No. 11
30176	2324+500	NSV14578 And	p	48859.474	0.005	-0.028	6	KL	elem. Ver. Sonneb. 10, 374
30177	2202-090	XZ Aqr	p	48971.275	0.006	+0.029	6	KL	
30178	2233-009	CX Aqr	p	48832.594	0.003	+0.007	5	KL	
30179			p	48890.419	0.004	+0.009	6	HP	
30180	2319-162	CZ Aqr	p	48859.433	0.005	-0.014	5	KL	
30181	2243+007	DD Aqr	p	48883.400	0.004	-0.002	9	HP	elem. BBSAG Bull. 90, 7
30182			p	48891.331	0.003	-0.002	9	HP	
30183			p	48922.324	0.005	-0.013	7	HP	
30184	1900+157	KP Aql	s	48840.422	0.004	-0.025	9	HP	
30185			p	48872.423	0.005	-0.014	13	HP	
30186	1936+064	LT Aql	p	48859.486	0.014	+0.042	9	KL	
30187			p	48872.420	0.007	+0.053	24	APs	CCD
30188	1945+092	OP Aql	p	48852.50	0.01	-0.09	14	APs	CCD
30189	1914+092	V342 Aql	p	48850.369	0.006	+0.018	7	HP	
30190	1936+126	V343 Aql	p	48859.466	0.003	-0.017	7	HP	
30191			p	48872.377	0.004	-0.018	11	HP	
30192	1932+057	V417 Aql	s	48843.460	0.004	-0.067	37	APs	CCD
30193	1946+154	V688 Aql	p	48841.466	0.004	-0.087	8	HP	
30194			p	48845.358	0.006	-0.084	6	HP	
30195	1958+085	V760 Aql	p	48882.327	0.007	-0.030	7	KL	
30196	1928-022	V822 Aql	p	<u>48862.489</u>	<u>0.010</u>	<u>+0.051</u>	16	RD	pe, B
30197	1956+116	V1168 Aql	p	48837.452	0.006	-0.020	7	HP	
30198			p	48860.368	0.005	-0.010	10	HP	
30199	0546+316	RZ Aur	p	48971.532	0.006	-0.054	6	KL	
30200	0509+334	CL Aur	p	48871.571	0.004	+0.086	11	KL	
30201	0624+304	KU Aur	p	48872.581	0.003	+0.040	8	KL	

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30202	1402+302	TU Boo	s	48940.680	0.004	-0.049	6	KL	
30203	1458+353	TY Boo	p	48845.364	0.006	+0.051	6	HP	
30204	0734+761	Y Cam	p	48882.412	0.004	+0.111	8	KL	
30205	1300+568	BI CVn	p	48717.361	0.004	-0.037	12	JVb	
30206			p	48733.492	0.002	-0.041	14	JVb	
30207			s	48747.524	0.002	-0.031	16	JVb	
30208			p	48791.503	0.003	-0.038	20	JVb	
30209	0737+400	AK CMi	p	48936.626	0.002	-0.015	6	KL	
30210	0244+694	RZ Cas	p	48833.509	0.003	+0.004	22	DR	
30211			p	48864.588	0.004	+0.006	13	SE	
30212			p	48864.596	0.004	+0.014	11	RB	
30213			p	48864.597	0.005	+0.015	11	JVb	
30214	0241+655	TW Cas	p	48934.348	0.004	+0.018	6	HP	
30215	0232+710	AB Cas	p	48843.550	0.003	+0.025	6	KL	
30216			p	48850.387	0.004	+0.028	8	HP	
30217			p	48891.400	0.004	+0.034	9	HP	
30218	0123+698	AE Cas	p	48963.236	0.009	+0.069	6	KL	
30219	0042+628	CW Cas	p	48837.480	0.005	+0.037	7	HP	
30220			p	48881.399	0.006	-0.044	7	HP	
30221			s	48892.396	0.005	-0.047	11	HP	
30222	2350+572	EP Cas	p	48871.430	0.004	-0.024	8	HP	
30223			p	48946.259	0.005	-0.031	8	HP	
30224	2304+538	IR Cas	p	48837.388	0.004	+0.016	8	HP	
30225			p	48852.356	0.004	+0.009	6	KL	
30226			p	48871.422	0.003	+0.015	7	HP	
30227			p	48882.323	0.003	+0.026	8	HP	
30228			p	48946.301	0.004	+0.019	11	HP	
30229	0138+547	MN Cas	p	<u>48882.355</u>	<u>0.003</u>	<u>-0.006</u>	14	RD	pe, B
30230	0045+605	OR Cas	p	48859.385	0.005	+0.001	7	HP	
30231	0049+501	V364 Cas	s	48840.432	0.004	-0.019	9	HP	
30232			p	48881.338	0.004	-0.005	6	HP	
30233	2354+558	V374 Cas	p	48801.505	0.002	+0.020	6	JVb	
30234			p	48891.366	0.0065	+0.027	6	HP	
30235			p	48892.407	0.005	+0.023	11	JVb	
30236			p	48892.411	0.005	+0.028	8	HP	
30237	0028+734	V380 Cas	p	48868.362	0.005	-0.084	8	HP	
30238			p	48936.266	0.005	-0.044	6	HP	
30239	0037+499	V523 Cas	p	48837.469	0.004	+0.018	8	HP	
30240			p	48882.341	0.003	+0.021	5	KL	
30241			p	48882.348	0.005	+0.028	6	HP	
30242	0230+631	V541 Cas	p	48890.407	0.005	+0.024	6	HP	
30243	0057+816	U Cep	p	48914.460	0.002	+0.052	10	KL	
30244	2145+570	SU Cep	p	48843.386	0.004	+0.020	8	HP	
30245	2038+754	VW Cep	p	48865.328	0.002	-0.055	14	FAc	
30246			s	48865.451	0.006	-0.071	13	FAc	
30247			s	48867.387	0.004	-0.083	11	FAc	

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30248	2217+696	WW Cep	p	48852.363	0.006	-0.074	7	HP	
30249	2244+674	WY Cep	p	48891.386	0.004	+0.019	8	HP	
30250	2336+640	XX Cep	p	48883.364	0.004	-0.013	9	HP	
30251	2350+686	XY Cep	p	48860.416	0.007	+0.040	6	HP	
30252	2243+678	ZZ Cep	p	48862.417	0.005	+0.013	9	HP	
30253	2239+583	BE Cep	p	48934.250	0.011	-0.057	6	KL	
30254	2320+650	CM Cep	p	48836.384	0.005	-0.026	6	KL	
30255	2302+631	CW Cep	s	<u>48859.5181</u>	<u>0.0006</u>	<u>+0.0232</u>	20	RD	pe, B; displ. secondary
30256	2157+607	DK Cep	p	48853.424	0.005	+0.044	7	HP	
30257			p	48934.263	0.007	+0.039	7	HP	
30258	2050+626	DW Cep	p	48892.423	0.007	-0.023	14	JVb	elem. MVS 12, 4
30259	2017+766	EG Cep	p	48843.386	0.005	+0.012	9	HP	
30260			p	48934.338	0.004	+0.012	8	HP	
30261	2127+649	GI Cep	p	48881.367	0.006	-0.012	9	HP	
30262			p	48882.398	0.005	-0.018	11	HP	
30263			p	48934.285	0.006	-0.016	7	HP	
30264	2249+567	GS Cep	p	48840.434	0.007	-0.006	11	HP	elem. IBVS No. 3596
30265			p	48843.395	0.006	+0.012	10	HP	
30266			p	48868.404	0.005	+0.003	8	HP	
30267			p	48871.352	0.004	+0.008	8	HP	
30268	0140+798	GW Cep	p	48892.404	0.004	+0.035	7	HP	
30269	2024+614	HI Cep	p	48883.324	0.007	+0.198	7	KL	elem. BBSAG Bull. 81, 6
30270	2109+575	IO Cep	p	48852.405	0.005	+0.011	7	HP	
30271			p	48883.324	0.004	+0.035	8	HP	
30272			p	48925.316	0.005	+0.009	9	HP	
30273	0220+809	V358 Cep	p	48914.425	0.005	+0.019	10	KL	elem. BBSAG Bull. 96, 10
30274	0144-100	TT Cet	p	48890.455	0.008	-0.036	14	APs	CCD, normal minimum
30275	0146-211	TW Cet	p	48835.567	0.005	-0.005	6	KL	
30276	0155-009	TX Cet	p	48871.57	0.007	+0.01	30	APs	CCD
30277			p	48946.380	0.005	-0.005	15	HP	
30278	0147-198	VY Cet	p	48871.556	0.005	-0.022	8	KL	
30279	0156-231	AA Cet	s	48845.564	0.006	-0.010	5	KL	
30280	1121-164	V CrI	p	48940.714	0.006	+0.003	6	KL	
30281	2005+461	SW Cyg	p	48823.427	0.010	-0.127	9	KL	
30282	2021+430	UW Cyg	p	48852.433	0.006	+0.030	7	KL	
30283			p	48852.442	0.006	+0.039	10	HP	
30284			p	48859.344	0.004	+0.039	9	HP	
30285			p	48890.396	0.005	+0.035	10	HP	
30286	2002+414	WW Cyg	p	48871.383	0.004	+0.009	8	HP	
30287			p	48881.337	0.005	+0.009	11	HP	
30288			p	48914.506	0.004	0.000	7	KL	

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30289	2051+386	WZ Cyg	p	48837.380	0.005	+0.047	8	HP	
30290			p	48886.457	0.009	+0.029	8	KL	
30291			p	48868.339	0.004	+0.029	7	HP	
30292	2022+467	ZZ Cyg	p	48837.414	0.006	-0.018	7	HP	
30293			p	48859.429	0.004	-0.004	8	HP	
30294			p	48871.373	0.003	-0.004	6	HP	
30295			p	48886.419	0.005	-0.045	5	KL	
30296	2111+305	AE Cyg	p	48859.370	0.004	-0.006	6	HP	
30297			p	48890.384	0.005	-0.005	8	HP	
30298			p	48892.315	0.005	-0.013	8	HP	
30299	2056+349	CG Cyg	p	48871.439	0.004	+0.030	6	HP	
30300	2156+523	DO Cyg	p	48868.410	0.003	-0.011	9	HP	
30301			p	48892.347	0.005	-0.014	10	HP	
30302	2007+304	KR Cyg	p	48853.396	0.005	+0.014	8	HP	
30303	1941+326	V370 Cyg	p	48859.384	0.004	+0.002	5	KL	
30304	2016+361	V382 Cyg	s	<u>48843.438</u>	<u>0.003</u>	<u>+0.027</u>	20	RD	pe, B
30305			p	<u>48859.4664</u>	<u>0.0021</u>	<u>+0.0285</u>	18	RD	pe, B
30306			s	48860.382	0.006	+0.001	8	HP	
30307	2113+372	V387 Cyg	p	48841.359	0.005	+0.001	6	HP	
30308			p	48882.366	0.004	+0.010	8	HP	
30309			p	48925.286	0.005	+0.010	7	HP	
30310	1927+302	V401 Cyg	p	48862.422	0.005	+0.021	8	HP	
30311			p	48883.404	0.004	+0.024	8	HP	
30312			p	48925.339	0.007	+0.004	5	HP	
30313	2027+389	V456 Cyg	p	48850.444	0.005	+0.021	7	HP	
30314			p	48859.361	0.004	+0.027	7	HP	
30315			p	48883.419	0.004	+0.022	8	HP	
30316			p	48892.332	0.003	+0.024	9	HP	
30317	1952+328	V466 Cyg	p	48871.395	0.003	+0.005	9	HP	
30318	2003+318	V477 Cyg	p	<u>48850.3827</u>	<u>0.0015</u>	<u>-0.0045</u>	14	RD	pe, B
30319	1940+312	V541 Cyg	p	<u>48839.387</u>	<u>0.003</u>	<u>+0.016</u>	22	RD	pe, B
30320	1955+546	V548 Cyg	p	<u>48850.4420</u>	<u>0.0026</u>	<u>+0.0090</u>	18	RD	pe, B
30321	2151+535	V680 Cyg	p	48872.336	0.003	+0.020	9	HP	
30322	1924+298	V687 Cyg	p	48860.388	0.004	-0.007	6	HP	
30323			p	48872.355	0.003	+0.008	9	HP	
30324	2025+586	V728 Cyg	p	48850.470	0.004	-0.013	7	HP	
30325			p	48881.368	0.004	-0.017	11	HP	
30326	2014+478	V787 Cyg	p	48860.422	0.005	+0.007	6	HP	
30327			p	48883.363	0.006	+0.020	7	HP	
30328	1956+332	V1018 Cyg	p	48877.427	0.005	-0.043	13	JVb	
30329	2003+308	V1034 Cyg	p	48871.355	0.004	-0.006	9	HP	
30330	2006+405	V1036 Cyg	p	48830.413	0.005	+0.023	7	HP	
30331			p	48862.404	0.005	+0.016	6	HP	
30332			p	48868.386	0.004	+0.045	8	HP	
30333			p	48871.356	0.004	+0.039	7	HP	

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30334	1938+365	V1141 Cyg	p	48810.416	0.010	+0.010	12	JVb	
30335			p	48838.455	0.001	+0.028	13	JVb	
30336	2129+336	V1908 Cyg	p	48943.342	0.009	-0.100	4	KL	elem. P.Zv. 22, 359
30337	2035+181	W Del	p	48860.355	0.006	-0.015	6	KL	
30338	2033+082	TT Del	p	48841.395	0.006	-0.021	7	HP	
30339			p	48887.326	0.007	-0.027	7	KL	
30340	2027+138	YY Del	p	48882.332	0.005	+0.008	9	HP	
30341	2037+142	DM Del	s	<u>48837.482</u>	<u>0.005</u>	<u>-0.052</u>	32	EBl	pe
30342			s	<u>48843.397</u>	<u>0.005</u>	<u>-0.051</u>	18	RD	pe, B
30343	2014+155	EW Del	p	48883.366	0.008	+0.131	10	APs	CCD
30344	2014+157	EX Del	p	48883.357	0.005	-0.132	11	APs	CCD
30345	2051+044	FZ Del	p	48834.586	0.002	-0.027	7	KL	
30346			p	48853.385	0.004	-0.025	8	HP	
30347			p	48882.375	0.006	-0.014	7	HP	
30348			p	48922.320	0.005	-0.013	6	HP	
30349	2012+151	GG Del	p	48886.340	0.008	-0.016	15	APs	CCD
30350	1142+725	Z Dra	p	48960.709	0.003	-0.072	6	KL	
30351	1841+626	RR Dra	p	48934.282	0.003	+0.054	7	KL	
30352	1822+588	RZ Dra	p	48837.423	0.004	+0.026	8	HP	
30353			p	48890.304	0.004	+0.023	7	HP	
30354	1533+640	TW Dra	p	48843.408	0.004	+0.031	10	HP	
30355	1820+475	TZ Dra	p	48843.395	0.004	+0.001	9	HP	
30356			p	48882.383	0.004	+0.018	9	HP	
30357	1926+688	UZ Dra	p	48823.409	0.006	-0.010	7	KL	
30358			s	48841.374	0.006	+0.017	6	HP	
30359			p	48872.328	0.005	-0.011	10	HP	
30360	1510+620	BV Dra	p	48801.501	0.003	-0.005	11	MD	
30361	1731+522	CV Dra	p	48867.367	0.002	-0.023	12	FAc	elem. IBVS No. 3213
30362	0419-061	TZ Eri	p	48963.391	0.006	+0.086	8	KL	
30363	0409-105	YY Eri	p	48934.564	0.003	+0.047	38	APs	CCD
30364	0647+214	AF Gem	p	48872.586	0.006	-0.051	6	KL	
30365	0631+155	BD Gem	p	48863.635	0.003	-0.014	7	KL	
30366	1737+329	SZ Her	p	48852.486	0.005	-0.014	7	HP	
30367			p	48907.287	0.004	-0.026	6	KL	
30368			p	48925.297	0.005	-0.014	5	HP	
30369	1711+307	TU Her	p	48883.341	0.003	-0.031	6	KL	
30370			p	48883.342	0.005	-0.030	8	HP	
30371	1717+419	TX Her	p	<u>48859.3727</u>	<u>0.0005</u>	<u>+0.0072</u>	24	EBl	pe, B
30372	1751+169	UX Her	p	48852.419	0.004	+0.019	7	HP	
30373	1848+124	BC Her	p	48860.393	0.006	-0.217	9	HP	

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30374	1615+090	CC Her	p	48860.352	0.004	+0.045	7	HP	
30375	1710+132	DK Her	p	48789.453	0.004	-0.026	40	APs	CCD
30376	1848+235	GL Her	p	48837.482	0.005	+0.022	9	HP	
30377	1848+246	HS Her	p	<u>48859.3895</u>	<u>0.0012</u>	<u>-0.0102</u>	26	EBl	pe, B
30378	1819+144	MT Her	p	48883.350	0.003	+0.003	6	KL	
30379	1751+437	V338 Her	p	48868.390	0.003	+0.010	7	HP	
30380	1822+250	V342 Her	p	48871.401	0.004	-0.006	7	HP	
30381			p	48883.336	0.005	+0.005	8	HP	
30382	1716+418	V728 Her	p	48845.353	0.006	+0.007	6	HP	elem. IBVS No. 3234
30383	1715+331	u Her	p	<u>48852.3679</u>	<u>0.0009</u>	<u>-0.0071</u>	24	EBl	pe, B
30384	0827-092	SY Hya	p	48958.703	0.005	-0.019	5	KL	
30385	0831-144	VW Hya	p	48971.692	0.004	+0.077	9	KL	
30386	2228+543	TW Lac	p	48872.406	0.004	+0.061	13	HP	
30387	2238+380	VX Lac	p	48862.327	0.004	+0.007	6	HP	
30388			p	48891.341	0.003	+0.010	8	HP	
30389			p	48934.325	0.005	+0.014	10	HP	
30390	2247+447	VY Lac	p	48840.446	0.004	-0.117	9	HP	
30391			p	48922.303	0.005	-0.124	7	HP	
30392	2216+542	AW Lac	p	48946.368	0.006	+0.004	9	HP	
30393	2226+535	DG Lac	p	48922.356	0.005	-0.099	6	HP	
30394	0933+264	Y Leo	p	48958.708	0.002	-0.010	6	KL	
30395	0945+335	T LMi	p	48936.645	0.008	-0.029	9	KL	
30396	1925+415	TT Lyr	p	48872.505	0.009	+0.023	6	KL	
30397	1814+410	TZ Lyr	p	48882.300	0.004	+0.011	7	HP	
30398			p	48946.274	0.005	-0.003	9	HP	
30399	1919+378	UZ Lyr	p	48883.362	0.004	-0.015	7	HP	
30400	1910+462	FL Lyr	p	48868.367	0.005	-0.004	8	HP	
30401	1913+337	NV Lyr	p	48887.374	0.003	-0.048	6	KL	
30402	1916+271	PS Lyr	p	48841.365	0.005	+0.082	6	HP	
30403			p	48883.310	0.007	+0.065	8	HP	
30404			p	48909.373	0.008	+0.082	13	JVb	
30405	0657+022	UU Mon	p	48960.676	0.010	-0.001	9	KL	
30406	0657-105	AN Mon	p	48960.648	0.008	-0.005	4	KL	
30407	0635+050	BZ Mon	p	48922.557	0.010	-0.100	4	KL	
30408	0700+003	HM Mon	p	48960.613	0.004	-0.016	7	KL	
30409	0635+036	V396 Mon	s	48934.593	0.003	+0.004	5	KL	
30410	0749-011	V681 Mon	p	48971.486	0.012	+0.286	7	KL	elem. BBSAG Bull. 75, 4

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30411	1732+072	RV Oph	p	48863.33	0.01	-0.01	9	APs	CCD, normal minimum
30412	1615-065	SX Oph	p	48839.25	0.01	-0.01	42	APs	CCD, normal minimum
30413	1704+078	WZ Oph	s	48795.445	0.010	+0.002	103	APs	CCD
30414	1755+046	V391 Oph	p	48819.49	0.01	+0.02	55	APs	CCD
30415	1816+142	V501 Oph	p	48850.422	0.005	+0.002	9	HP	
30416			p	48881.384	0.004	-0.010	8	HP	
30417	1738+078	V506 Oph	p	48827.458	0.005	+0.020	41	APs	CCD
30418			p	48843.376	0.004	+0.032	7	HP	
30419			p	48860.332	0.004	+0.021	6	HP	
30420	1756+135	V508 Oph	p	48840.453	0.004	+0.020	6	HP	
30421	1757+034	V509 Oph	p	48820.465	0.010	-0.009	32	APs	CCD
30422	1754+049	V566 Oph	p	48767.510	0.002	+0.033	16	MD	
30423			p	48801.507	0.003	+0.030	10	MD	
30424	1803+020	V573 Oph	p	48823.33	0.01	-0.05	84	APs	CCD, normal minimum
30425	1625-041	V719 Oph	p	48771.510	0.007	-1.131	64	APs	CCD, normal minimum
30426	1705+096	V735 Oph	p	48853.388	0.005	+0.024	10	HP	
30427	1752+141	V913 Oph	p	48852.451	0.005	+0.058	9	HP	
30428			p	48854.373	0.005	+0.062	36	APs	CCD, normal minimum
30429	1613-052	V1016 Oph	p	48756.493	0.005	-0.148	29	APs	CCD, normal minimum
30430	0502+092	FK Ori	p	48872.523	0.002	+0.011	6	KL	
30431	2327+132	TY Peg	p	48890.365	0.004	-0.088	8	HP	
30432	2226+177	UX Peg	p	48922.412	0.005	-0.005	6	HP	
30433	2254+329	VW Peg	p	48883.366	0.006	-0.021	8	HP	
30434			p	48890.396	0.005	-0.016	7	HP	
30435	2210+081	AT Peg	p	48841.450	0.005	-0.007	7	HP	
30436			p	48872.394	0.004	-0.007	10	HP	
30437			p	48934.274	0.006	-0.016	7	HP	
30438	2220+160	BB Peg	s	48837.488	0.005	+0.015	8	HP	
30439			p	48843.440	0.005	+0.002	7	HP	
30440			s	48887.365	0.005	+0.005	21	APs	CCD
30441			p	48936.345	0.006	+0.001	8	HP	
30442	2250+153	BG Peg	p	48892.363	0.004	-0.786	7	HP	
30443	2125+047	BN Peg	p	48841.396	0.006	+0.011	5	HP	
30444			p	48853.508	0.004	-0.004	13	APs	CCD
30445			p	48891.317	0.003	0.000	8	HP	
30446			p	48946.246	0.004	+0.005	8	HP	
30447	2128+117	BO Peg	p	48892.332	0.005	-0.001	8	HP	
30448			p	48946.321	0.005	+0.008	7	HP	
30449	2136+264	BX Peg	p	48837.480	0.006	+0.017	9	HP	
30450			p	48862.418	0.005	-0.003	6	HP	
30451			p	48882.359	0.006	+0.028	6	HP	
30452			s	48883.338	0.006	+0.027	6	HP	
30453			p	48946.275	0.004	+0.009	9	HP	

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30454	2146+278	CW Peg	p	48971.307	0.004	+0.035	8	KL	
30455	2339+099	DK Peg	p	48872.437	0.005	+0.020	8	HP	
30456			p	48934.455	0.005	+0.030	18	APs	CCD
30457	0320+463	RT Per	p	48838.569	0.004	+0.028	9	KL	
30458			p	48890.389	0.003	+0.034	8	HP	
30459	0407+341	RV Per	p	48922.558	0.004	-0.011	6	KL	
30460	0256+389	ST Per	p	48845.572	0.006	+0.062	10	KL	
30461			p	48922.374	0.005	+0.062	8	HP	
30462	0148+569	HS Per	p	48971.617	0.007	-0.002	6	KL	elem. IBVS No. 3754
30463	0256+437	IU Per	p	48860.433	0.003	+0.015	7	HP	
30464			p	48872.432	0.004	+0.016	8	HP	
30465	0156+529	KW Per	p	48836.540	0.002	+0.004	11	KL	
30466			p	48892.419	0.004	+0.007	7	HP	
30467			p	48934.328	0.004	+0.009	7	HP	
30468	0236+454	PS Per	p	48867.573	0.003	+0.042	6	KL	
30469	2331+076	Y Psc	p	48862.474	0.003	-0.029	12	HP	
30470	2010+191	UZ Sge	p	48850.428	0.006	-0.009	5	HP	
30471			p	48890.332	0.006	+0.012	6	HP	
30472	1922+163	CU Sge	p	48843.397	0.004	+0.027	10	HP	
30473			p	48862.380	0.004	+0.009	7	HP	
30474			p	48881.405	0.004	+0.034	7	HP	
30475			p	48946.297	0.004	+0.008	8	HP	
30476	1905+188	DL Sge	p	48891.285	0.005	+0.049	7	HP	
30477	1912+183	DM Sge	p	48756.543	0.005	+0.004	9	JVb	
30478	1841-194	YY Sgr	p	48853.487	0.008	-0.052	35	APs	CCD, normal minimum
30479	1950-147	V505 Sgr	p	48826.390	0.005	+0.003	20	JVb	
30480	1846-102	RS Sct	p	48840.397	0.005	-0.005	7	HP	
30481	1536+024	AS Ser	p	48837.389	0.006	+0.040	7	HP	
30482	1554+224	AU Ser	s	48840.429	0.005	-0.019	6	HP	
30483			s	48859.367	0.004	-0.020	7	HP	
30484	1534+156	CC Ser	p	48853.374	0.004	+0.059	8	HP	
30485	0434+015	AC Tau	p	48971.406	0.006	+0.059	11	KL	
30486	0344+249	AH Tau	p	48867.555	0.003	-0.073	5	KL	
30487	0128+301	V Tri	p	48837.583	0.006	-0.006	7	KL	
30488			p	48891.422	0.004	-0.006	6	HP	
30489	0157+276	X Tri	p	48934.263	0.004	-0.021	8	HP	
30490	0210+367	RV Tri	p	48914.556	0.003	-0.019	10	KL	
30491	0928+496	XZ UMa	p	48940.635	0.003	-0.013	5	KL	
30492	2026+246	AW Vul	p	48852.405	0.004	+0.005	7	HP	
30493			p	48890.303	0.005	0.000	6	HP	
30494			p	48936.274	0.006	+0.003	9	HP	

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
30495	2030+246	AX Vul	p	48852.431	0.004	-0.016	9	HP	
30496	2033+272	BE Vul	p	48877.325	0.006	-0.001	5	KL	
30497			p	48891.308	0.005	+0.015	7	HP	
30498			p	48922.344	0.005	+0.009	9	HP	
30499	1954+237	BO Vul	p	48859.439	0.004	+0.031	9	HP	
30500	2023+208	BP Vul	p	48859.422	0.004	-0.020	10	HP	
30501	1935+218	BS Vul	p	48840.444	0.005	0.000	7	HP	
30502			p	48871.387	0.004	+0.005	7	HP	
30503			p	48881.382	0.005	+0.004	6	HP	
30504			p	48892.323	0.004	-0.002	8	HP	
30505	2044+280	BU Vul	p	48850.401	0.004	-0.004	9	HP	
30506			p	48891.380	0.005	+0.007	6	HP	
30507			p	48936.326	0.005	+0.002	8	HP	
30508	2023+263	CD Vul	p	48843.411	0.004	+0.007	8	HP	
30509			p	48882.382	0.004	+0.005	8	HP	
30510			p	48934.332	0.003	-0.010	5	KL	
30511			p	48934.349	0.005	+0.007	8	HP	
30512	2011+265	DR Vul	s	<u>48839.355</u>	<u>0.003</u>	<u>+0.032</u>	28	EBI	pe; displaced secondary

Notes on some variables in *Canis minoris* from CCD photometry

RS CMi: RS CMi was found to be faint at JD 2448674.265.

RW CMi: RW CMi was faint at JD 2448714.341.

TX CMi: In the latest edition of the GCVS, a period of 0.389 days is given. From the observed minima reported in BBSAG Bulletin 101, page 1, a corrected period of 0.3892 days can be deduced.

NSV 3570 CMi: In BBSAG Bulletin No. 95, page 6, we reported preliminary elements for NSV 3570 CMi. Two more years of observation lead to a refinement of the period from 2.9416 days to **2.9525** days. All the CCD measurements obtained so far are shown in the diagram below. A doubling of the period value is still possible, as is not absolutely certain that all the minima are of equal depth.

NSV 3624 CMi: The star was found to be faint on expositions taken around JD 2448673.557. Together with the three times of reduced brightness reported in BBSAG Bulletin No. 97, page 10, preliminary elements can be computed:

$$JD(\text{hel, min}) = 2448221.665 + 2.86 \cdot E$$

