

BBSAG

BULLETIN

109

1995 August 15

142. LIST OF MINIMA OF ECLIPSING BINARIES

The following table lists 45 electronically recorded (pe and CCD, underlined) and 270 visual timings of minima of eclipsing binaries obtained primarily between March and July of 1995 by the following observers:

FAC	Franco Acerbi, Codogno, Italy
EBI	Ernst Blättler, Wald, Switzerland
AD	Antonin Dedoch, Praha, Czech Republic
RD	Roger Diethelm, R. Szafraniec Observatory, Metzerlen, Switzerland
MKo	Michael Kohl, Laupen, Switzerland
KL	Kurt Locher, Gröŕt, Switzerland
MMa	Massimiliano Martignoni, Busto Arsizio, Italy
HP	Hermann Peter, Otelfingen, Switzerland
APs	Anton Paschke, Rŕti, Switzerland

BBSAG Bulletin 109

The O-C values generally refer to the linear elements of the GCVS 1985, with the remarked exceptions. For the reduction of the minima, the tracing paper method was employed. For the reduction of some of the electronic observations the Kwee-van Woerden algorithm was used.

BBSAG Bulletin 109

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32107	2334+483	AD And	s	49897.420	0.005	-0.030	7	HP	
32108	0008+418	DO And	p	49888.581	0.003	-0.024	5	KL	elem. MVS 11, 108
32109	0031+410	HS And	p	<u>49640.432</u>	0.005	<u>+0.168</u>	40	APs	CCD
32110	2217-203	AT Aqr	p	49917.492	0.007	-0.002	6	KL	
32111	2233-009	CX Aqr	p	49899.522	0.004	-0.003	5	KL	
32112	2019-075	XZ Aql	p	49895.532	0.003	+0.091	7	KL	
32113	1953+157	V340 Aql	p	49807.604	0.011	-0.001	6	KL	
32114	1914+092	V342 Aql	p	49918.437	0.004	-0.041	6	MKo	
32115	2007+102	V346 Aql	p	<u>49866.4911</u>	0.0005	<u>-0.0047</u>	30	RD	CCD
32116	1943+038	V418 Aql	p	49888.546	0.003	-0.079	6	KL	
32117	1847+106	V479 Aql	p	49859.501	0.003	-0.019	6	KL	
32118	1929+106	V616 Aql	p	49917.453	0.009	+0.001	8	KL	elem. MVS 11, 120
32119	1958+085	V760 Aql	p	49920.475	0.009	-0.015	6	KL	
32120	1858-075	V803 Aql	s	49836.586	0.004	-0.021	5	KL	
32121	1956+116	V1168 Aql	p	49897.511	0.005	-0.009	9	HP	
32122	1922+159	V1353 Aql	p	49888.489	0.005	+0.004	7	HP	
32123	0629+324	WW Aur	s	47407.577	0.004	-0.009	20	MMa	
32124	0509+334	CL Aur	p	49812.322	0.007	+0.098	9	HP	
32125	0615+497	HL Aur	p	49811.375	0.004	+0.007	7	HP	elem. IBVS No. 4098
32126			p	49811.375	0.002	+0.007	7	MKo	
32127	0511+469	IM Aur	p	49745.468	0.003	-0.069	18	MMa	
32128	1402+302	TU Boo	s	49810.409	0.005	-0.058	10	HP	
32129			s	49812.356	0.005	-0.056	8	HP	
32130			s	49836.358	0.005	-0.052	7	HP	
32131			p	49840.396	0.004	-0.067	7	KL	
32132	1458+353	TY Boo	p	49817.429	0.004	-0.006	7	HP	elem. BAV Mitt. 68. 21
32133			p	49844.399	0.005	+0.006	7	HP	
32134			p	49888.471	0.005	-0.006	6	HP	
32135	1419+473	UW Boo	p	49810.423	0.005	-0.013	11	HP	
32136			p	49811.416	0.007	-0.025	8	HP	
32137	1346+204	XY Boo	s	<u>49844.3996</u>	0.0012	<u>-0.0079</u>	12	RD	pe, B
32138	1524+371	CV Boo	p	49534.390	0.008	-0.010	13	MMa	elem. IBVS No. 2788

BBSAG Bulletin 109

32139			p	<u>49844.388</u>	0.003	<u>-0.012</u>	14	RD	pe, B
32140	0843+330	WX Cnc	p	49813.378	0.007	+0.024	9	HP	
32141	0858+268	WY Cnc	p	49810.315	0.005	-0.010	7	HP	
Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32142	0751+037	XZ CMi	p	49810.341	0.004	+0.010	10	HP	
32143	0737+040	AK CMi	p	49810.376	0.002	-0.010	8	MKo	
32144			p	49810.378	0.004	-0.009	11	HP	
32145	0244+694	RZ Cas	p	46660.551	0.010	+0.005	38	MMa	
32146			p	47400.416	0.013	+0.011	30	MMa	
32147			p	47407.588	0.004	+0.012	24	MMa	
32148			p	49745.499	0.006	+0.020	18	MMa	
32149	0241+655	TW Cas	p	49591.348	0.002	-0.012	21	MMa	
32150	0232+710	AB Cas	p	49789.439	0.004	+0.037	7	MKo	
32151			p	49860.514	0.009	+0.035	6	KL	
32152	0130+707	AH Cas	p	49917.438	0.007	-0.201	7	KL	
32153	2304+538	IR Cas	p	49896.534	0.005	+0.015	6	KL	
32154	2307+589	PV Cas	p	<u>49928.4915</u>	0.0018	<u>-0.0169</u>	18	RD	CCD
32155	0037+499	V523 Cas	s	49905.560	0.003	+0.025	6	KL	
32156	0059+703	V527 Cas	s	<u>49930.402</u>	0.003	<u>+0.049</u>	12	RD	CCD; displ. secondary
32157	2038+754	VW Cep	s	46963.501	0.011	-0.019	12	MMa	
32158			s	46965.454	0.004	-0.014	8	MMa	
32159			s	46970.470	0.009	-0.008	10	MMa	
32160			p	47008.452	0.003	-0.016	22	MMa	
32161			s	49723.471	0.008	-0.095	18	MMa	
32162			s	49745.447	0.011	-0.106	12	MMa	
32163			s	49809.462	0.012	-0.103	9	FAc	
32164	2157+607	DK Cep	p	49895.523	0.006	+0.040	7	HP	
32165			p	49897.488	0.005	+0.034	7	HP	
32166			p	49898.477	0.003	+0.036	6	KL	
32167	2306+609	DP Cep	p	49918.450	0.008	-0.030	5	KL	
32168	2017+766	EG Cep	p	49899.406	0.004	+0.011	9	HP	
32169	2024+614	HI Cep	p	49840.410	0.007	+0.266	7	KL	elem. BBSAG Bull. 81, 6
32170	2109+575	IO Cep	p	49895.427	0.005	+0.012	8	HP	
32171			p	49906.533	0.003	-0.004	6	KL	
32172	2134+656	PX Cep	p	49844.526	0.005	-0.067	6	KL	elem. IBVS No. 3048
32173	0220+809	V358 Cep	p	49836.446	0.006	+0.023	8	KL	elem. BBSAG Bull. 96, 10

BBSAG Bulletin 109

32174	1230+269	RW Com	p	49810.310	0.005	-0.013	6	HP	
32175			s	49840.334	0.004	-0.014	7	HP	
32176			s	49895.399	0.005	-0.013	7	HP	
32177	1232+236	RZ Com	s	49793.482	0.011	+0.019	31	AD	normal minimum
32178			p	49817.352	0.004	+0.024	8	HP	
32179			p	49840.367	0.005	+0.021	10	HP	
32180			p	49888.436	0.006	+0.022	7	HP	
32181	1247+189	SS Com	p	49896.396	0.006	-0.047	6	HP	elem. BAV Mitt. 33, 128

BBSAG Bulletin 109

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32182	1209+228	CC Com	s	49812.377	0.004	0.000	7	HP	
32183			p	49841.390	0.005	-0.008	6	HP	
32184			p	49878.469	0.005	-0.004	7	HP	
32185	1604+274	TW CrB	p	49878.424	0.006	+0.018	7	HP	
32186			p	49895.506	0.004	+0.023	7	HP	
32187	1205-128	W Crv	p	49810.441	0.004	+0.002	9	HP	
32188			p	49836.442	0.005	+0.002	8	HP	
32189			p	49836.448	0.008	+0.008	7	KL	
32190	1121-164	V Crt	p	49841.416	0.005	-0.006	11	HP	
32191			p	49841.452	0.003	+0.030	9	MKo	
32192	2104+455	VV Cyg	p	49895.556	0.009	-0.026	6	KL	
32193	2002+414	WW Cyg	p	49896.572	0.003	+0.007	6	KL	
32194	2051+386	WZ Cyg	p	49896.423	0.004	+0.038	9	HP	
32195			p	49907.532	0.004	+0.041	6	KL	
32196	2022+467	ZZ Cyg	p	49878.394	0.003	-0.027	6	KL	
32197			p	49878.402	0.004	-0.019	7	HP	
32198	2111+305	AE Cyg	p	49895.449	0.005	+0.013	9	HP	
32199			p	49896.416	0.005	+0.010	9	HP	
32200	2056+349	CG Cyg	p	49896.419	0.004	+0.037	9	HP	
32201	1941+326	V370 Cyg	p	49865.508	0.002	-0.007	6	KL	
32202	2113+372	V387 Cyg	p	49878.492	0.004	+0.009	9	HP	
32203			p	49896.418	0.005	-0.002	8	HP	
32204	2027+312	V388 Cyg	s	<u>49859.453</u>	0.010	<u>-0.034</u>	16	RD	pe, B
32205	2025+385	V443 Cyg	p	<u>49919.4572</u>	0.0010	<u>+0.0221</u>	18	RD	CCD
32206	2026+381	V445 Cyg	p	49878.490	0.007	+0.177	8	HP	
32207	2027+389	V456 Cyg	p	49841.449	0.005	+0.021	7	HP	
32208			p	49898.488	0.005	+0.023	6	HP	
32209	2003+318	V477 Cyg	s	<u>49895.4988</u>	0.0021	<u>-0.4727</u>	33	RD	CCD; displ. secondary
32210	2105+429	V525 Cyg	p	49894.571	0.006	-0.019	7	KL	
32211	1924+298	V687 Cyg	p	49898.400	0.004	+0.009	7	HP	
32212	2011+404	V726 Cyg	p	49897.553	0.005	+0.038	5	KL	
32213	2025+586	V728 Cyg	p	49841.409	0.004	-0.005	7	HP	
32214			p	49878.498	0.005	+0.001	9	HP	
32215			p	49878.498	0.007	+0.002	7	KL	
32216	1925+329	V865 Cyg	s	<u>49894.517</u>	0.004	<u>+0.023</u>	22	RD	CCD

BBSAG Bulletin 109

32217	2021+523	V1048 Cyg	p	49866.476	0.003	+0.018	7	KL	
32218	1935+287	V1136 Cyg	p	<u>49896.4879</u>	0.0010	<u>+0.0559</u>	24	RD	CCD

BBSAG Bulletin 109

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32219	1937+548	V1143 Cyg	p	47003.538	0.016	+0.016	15	MMa	
32220			p	47026.449	0.019	+0.004	20	MMa	
32221	2136+357	V1729 Cyg	p	49836.563	0.011	+0.067	6	KL	
32222	2129+336	V1908 Cyg	p	49894.486	0.003	-0.140	6	KL	elem. P.Z. 22, 359
32223	1924+523	V1918 Cyg	s	47361.378	0.002	-0.004	17	MMa	elem. IBVS No. 3090
32224			p	47362.386	0.004	-0.029	19	MMa	
32225			s	47363.452	0.005	+0.004	22	MMa	
32226			p	49568.405	0.010	-0.008	16	MMa	
32227			s	49569.417	0.008	-0.029	17	MMa	
32228	2031+149	BL Del	p	<u>49592.482</u>	0.010	<u>-0.374</u>	26	APs	CCD
32229	2014+155	EW Del	p	<u>49641.365</u>	0.005	<u>+0.085</u>	15	APs	CCD
32230	2014+157	EX Del	p	<u>49641.318</u>	0.005		29	APs	CCD
32231	2051+044	FZ Del	p	49907.585	0.004	-0.029	7	KL	
32232	1142+725	Z Dra	p	49844.398	0.002	-0.087	8	MKo	
32233			p	49844.402	0.006	-0.084	6	HP	
32234	1841+626	RR Dra	p	49888.441	0.005	+0.058	11	HP	
32235	1822+588	RZ Dra	p	49844.430	0.006	+0.036	5	HP	
32236			p	49898.422	0.005	+0.042	7	HP	
32237	1803+583	SX Dra	p	49859.489	0.004	+0.019	8	KL	
32238	1926+688	UZ Dra	s	<u>49842.5687</u>	0.0007	<u>-0.0078</u>	18	EBI	pe, no filter
32239	1850+476	WX Dra	p	49836.472	0.006	+0.018	10	KL	
32240	1655+527	AI Dra	p	49591.407	0.003	+0.009	22	MMa	
32241			p	<u>49844.3552</u>	0.0003	<u>+0.0076</u>	20	EBI	pe, B
32242	1238+665	AX Dra	s	<u>49810.387</u>	0.002	<u>-0.047</u>	14	RD	pe, B
32243	1731+572	CV Dra	s	47396.524	0.010	-0.011	17	MMa	elem. BAV Mitt. 69
32244			p	47410.404	0.003	-0.028	23	MMa	
32245			s	<u>49811.344</u>	0.002	<u>-0.002</u>	12	RD	pe, B
32246	1922+698	DW Dra	p	49842.487	0.004	+0.010	5	KL	elem. BBSAG Bull. 84, 6
32247	2054+048	S Equ	p	<u>49929.4221</u>	0.0011	<u>+0.0479</u>	20	RD	CCD
32248	0558+231	RW Gem	p	49817.375	0.003	-0.018	14	KL	
32249			p	49817.389	0.007	-0.004	13	HP	
32250	0625+205	SX Gem	p	49817.388	0.006	-0.053	13	HP	
32251	0733+170	TX Gem	p	49769.350	0.001	-0.012	10	MKo	
32252			p	49811.348	0.004	-0.014	10	HP	
32253			p	49811.355	0.003	-0.007	9	MKo	

BBSAG Bulletin 109

32254	0609+235	WW Gem	p	49813.363	0.005	+0.006	10	HP	
32255	0647+214	AF Gem	p	49719.404	0.004	-0.059	13	MMa	
32256			p	49745.531	0.009	-0.045	19	MMa	
32257			p	49811.419	0.006	-0.063	6	HP	
Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32258	0749+272	GW Gem	p	49769.386	0.003	+0.026	9	MKo	
32259	1737+329	SZ Her	p	49819.470	0.002	-0.023	5	KL	
32260			p	49878.375	0.005	-0.021	7	HP	
32261			p	49918.460	0.001	-0.022	8	MKo	
32262	1711+307	TU Her	p	49844.527	0.002	-0.053	7	KL	
32263	1717+419	TX Her	p	<u>49860.4380</u>	0.0007	<u>+0.0052</u>	26	EBI	pe, B
32264			s	<u>49898.5443</u>	0.0010	<u>+0.0050</u>	36	EBI	pe, B
32265	1848+124	BC Her	p	49888.435	0.005	-0.262	10	HP	
32266	1838+248	BO Her	p	49917.544	0.009	-0.013	10	KL	
32267	1615+090	CC Her	p	49810.608	0.003	+0.066	12	KL	
32268	1845+227	DH Her	p	49859.527	0.008	-0.001	6	KL	
32269	1851+242	DI Her	p	<u>49924.4220</u>	0.0007	<u>+0.0019</u>	22	RD	CCD
32270	1732+151	DP Her	p	49807.594	0.004	+0.046	6	KL	
32271	1806+458	DQ Her	p	49836.453	0.002	0.002	7	KL	
32272	1848+235	GL Her	p	49897.424	0.005	+0.037	8	HP	
32273			p	49918.519	0.009	+0.027	9	KL	
32274	1848+246	HS Her	p	49568.394	0.004	-0.015	15	MMa	
32275	1656+354	HZ Her	p	<u>49898.4273</u>	0.0016	<u>-0.0317</u>	24	RD	CCD
32276	1647+100	LT Her	p	<u>49859.5156</u>	0.0020	<u>-0.0028</u>	16	RD	pe, B; elem. BAV Mitt. 69
32277	1819+144	MT Her	p	49894.395	0.004	+0.009	8	KL	
32278	1654+377	V359 Her	p	49841.408	0.005	+0.088	10	HP	
32279	1642+342	V450 Her	p	<u>49865.4746</u>	0.0012	<u>-0.0087</u>	38	RD	CCD, elem. IBVS No. 3852
32280	1733+323	V502 Her	s	<u>49885.5312</u>	0.0015	<u>-0.0005</u>	20	RD	CCD
32281	1715+331	u Her	p	46965.440	0.008	+0.010	6	MMa	
32282			s	<u>49860.437</u>	0.004	<u>-0.018</u>	24	EBI	pe, B
32283	1604+503	NSV7457 Her	p	<u>49929.4182</u>	0.0012	<u>+0.0087</u>	20	RD	CCD, elem. IBVS No. 3946
32284	0811+006	WY Hya	p	49810.345	0.005	+0.022	10	HP	
32285	2247+447	VY Lac	p	49898.444	0.005	-0.130	9	HP	

BBSAG Bulletin 109

32286	2206+454	AR Lac	s	47042.532	0.011	0.000	13	MMa	
32287			p	47045.529	0.014	+0.022	17	MMa	
32288	2216+542	AW Lac	p	49898.448	0.004	+0.090	9	HP	
32289	2157+423	CS Lac	p	<u>49859.439</u>	0.004	<u>-0.040</u>	14	RD	pe, B
32290	2226+535	DG Lac	p	49895.430	0.005	-0.106	8	HP	
32291	2230+537	ES Lac	p	<u>49928.525</u>	0.010	<u>+0.119</u>	32	RD	CCD, norm. minimum

BBSAG Bulletin 109

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32292	2240+531	PP Lac	p	49591.399	0.006	-0.024	20	MMa	
32293	0945+132	UU Leo	p	49840.430	0.005	+0.059	13	HP	
32294	0959+172	XZ Leo	p	49817.376	0.005	+0.020	8	HP	
32295			p	49836.392	0.004	+0.015	8	HP	
32296	1142+250	BL Leo	s	49865.444	0.003	-0.015	5	KL	
32297	0945+335	T LMi	p	49812.406	0.006	-0.033	12	HP	
32298	1059+101	AM Leo	s	<u>49811.3444</u>	0.0008	<u>-0.0045</u>	12	RD	pe, B
32299	0851+466	RY Lyn	p	49841.364	0.006	-0.031	9	HP	
32300			p	49841.366	0.002	-0.029	7	MKo	
32301	0933+415	RZ Lyn	p	49836.405	0.005	+0.007	8	HP	
32302			p	49844.434	0.005	+0.007	5	HP	
32303	0809+574	SX Lyn	p	49844.365	0.006	-0.002	5	HP	
32304	0814+464	TY Lyn	p	49809.520	0.023	+0.077	15	FAC	
32305	0912+429	UU Lyn	p	49844.437	0.005	-0.006	5	HP	
32306	1914+323	RV Lyr	p	49888.386	0.004	-0.094	8	KL	
32307	1925+415	TT Lyr	p	49905.499	0.005	+0.003	7	KL	
32308	1814+410	TZ Lyr	p	49866.440	0.001	+0.005	7	MKo	
32309	1831.377	EW Lyr	p	49810.569	0.003	+0.248	9	KL	
32310	1821+331	IP Lyr	p	<u>49920.4223</u>	0.0016	<u>-0.0034</u>	18	RD	CCD
32311	1714+209	V361 Lyr	p	49859.512	0.003	0.000	9	KL	elem. IBVS No. 4177
32312			p	49860.443	0.002	+0.002	7	KL	
32313			p	49894.496	0.002	-0.002	7	KL	
32314			p	49917.408	0.001	-0.002	9	KL	
32315	0757-033	BO Mon	p	49789.318	0.007	-0.073	6	HP	
32316	0643-002	DD Mon	p	49812.313	0.005	+0.099	8	HP	
32317	0654-052	EP Mon	p	49817.335	0.006	+0.035	8	HP	
32318	1713+012	U Oph	p	46657.328	0.003	+0.007	25	MMa	
32319			p	47363.475	0.003	-0.008	24	MMa	
32320			p	47400.377	0.004	-0.008	13	MMa	
32321			s	<u>49895.4331</u>	0.0004	<u>+0.0055</u>	24	EBI	pe, B
32322	1732+072	RV Oph	p	49899.402	0.005	-0.015	9	HP	
32323	1755+046	V391 Oph	p	49844.542	0.004	+0.044	6	KL	
32324	1728+106	V449 Oph	p	49898.478	0.005	+0.029	8	HP	

BBSAG Bulletin 109

32325	1638+006	V502 Oph	s	49569.401	0.017	-0.087	20	MMa
32326	1738+078	V506 Oph	s	49888.412	0.004	+0.018	7	HP
32327			p	49897.432	0.005	+0.023	5	HP

BBSAG Bulletin 109

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32328	1756+135	V508 Oph	p	49895.516	0.004	+0.020	8	HP	
32329	1814+068	V577 Oph_____s		<u>49920.376</u>	0.003	<u>+0.485</u>	45	RD	CCD; norm. min.; displ. sec.
32330	1752+141	V913 Oph	p	49895.514	0.006	+0.093	8	HP	
32331			p	49897.434	0.005	+0.095	7	HP	
32332			p	49920.439	0.005	+0.093	6	KL	
32333	0502+092	FK Ori	p	49807.321	0.003	-0.005	6	KL	
32334	2136+264	BX Peg	p	49897.459	0.006	+0.006	7	HP	
32335	2136+278	BY Peg	p	<u>49677.283</u>	0.010	<u>-0.030</u>	7	APs	CCD
32336	2339+099	DK Peg	p	<u>49585.511</u>	0.010	<u>+0.033</u>	43	APs	CCD
32337	2312+165	EY Peg	p	49899.529	0.008	-0.015	5	KL	elem. BBSAG Bull. 105, 8
32338	0405+464	XZ Per	p	49810.337	0.001	-0.034	7	MKo	
32339			p	49810.339	0.004	-0.032	8	HP	
32340	0156+529	KW Per	p	49906.563	0.004	+0.010	7	KL	
32341	1323+402	V511 Per	s	49745.449	0.009	-0.019	16	MMa	elem. IBVS No. 3442
32342	0304+407	Beta Per	p	46636.513	0.009	+0.045	15	MMa	
32343			p	46656.587	0.011	+0.048	17	MMa	
32344	1916+195	U Sge	p	49878.469	0.005	-0.002	11	HP	
32345	2010+191	UZ Sge	p	49807.648	0.005	+0.015	7	KL	
32346			p	49898.486	0.006	+0.008	7	HP	
32347	1922+163	CU Sge	p	49888.398	0.005	+0.016	7	HP	
32348	1956+193	El Sge	s	<u>49930.419</u>	0.003	<u>-0.061</u>	8	RD	CCD
32349	1836-227	DV Sgr	p	49896.493	0.006	-0.142	5	KL	
32350	1849-063	BS Sct	p	49842.579	0.005	+0.056	6	KL	
32351	1556+173	AO Ser	p	49810.494	0.003	+0.024	6	KL	
32352			p	49840.389	0.004	+0.020	10	HP	
32353			p	49898.423	0.005	+0.018	7	HP	
32354	1554+224	AU Ser	s	49836.426	0.005	-0.034	7	HP	
32355			s	49841.456	0.005	-0.029	7	HP	
32356			p	49852.458	0.005	-0.043	7	KL	
32357			s	49899.422	0.005	-0.038	10	HP	
32358	1823-017	EG Ser	p	<u>49888.4626</u>	0.0003	<u>+0.0555</u>	34	EBI	pe, B
32359	1535+190	LX Ser	p	49836.576	0.001	+0.001	5	KL	
32360	0433+186	RZ Tau	p	49722.420	0.006	+0.016	18	MMa	

BBSAG Bulletin 109

32361	0549+162	AM Tau	p	49723.484	0.004	+0.001	15	MMa
32362	0553+252	EN Tau	p	49749.411	0.006	-0.015	18	MMa
32363	0128+301	V Tri	p	49898.564	0.004	-0.003	8	KL

BBSAG Bulletin 109

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32364	0940+561	W UMa	s	49723.498	0.002	-0.015	14	MMa	
32365	1339+596	TW UMa	p	49811.446	0.004	-0.074	6	KL	
32366	1206+563	TY UMa	p	49811.376	0.006	-0.003	12	HP	elem. JAAVSO 21. 111
32367			s	49836.389	0.005	+0.015	12	HP	
32368			p	49895.420	0.005	+0.014	10	HP	
32369	1334+521	UX UMa	p	49841.403	0.002	+0.001	5	KL	
32370	0934+562	VV UMa	p	49810.348	0.005	-0.041	9	HP	
32371	0906+546	XY UMa	p	49813.382	0.004	0.000	12	HP	
32372			p	49836.379	0.004	+0.005	9	HP	
32373	0928+496	XZ UMa	p	49769.357	0.002	-0.024	10	MKo	
32374			p	49813.350	0.005	-0.033	7	HP	
32375	1026+620	ZZ UMa	p	49811.418	0.004	-0.006	7	HP	
32376	0943+459	AA UMa	p	49836.413	0.004	+0.005	11	HP	
32377			s	<u>49840.3945</u>	0.0014	<u>+0.0077</u>	16	RD	pe, B
32378	1727+302	AW UMa	s	<u>49860.4416</u>	0.0016	<u>-0.0165</u>	14	RD	pe, B
32379	1312-172	UW Vir	p	49866.446	0.001	-0.022	8	MKo	
32380	1402-099	VV Vir	p	49826.396	0.005	-0.022	5	KL	
32381	1325+033	AW Vir	p	49878.432	0.006	+0.011	9	HP	
32382	1325+041	AX Vir	p	49878.442	0.005	-0.019	9	HP	
32383	1340+048	AZ Vir	p	49811.397	0.004	-0.005	7	HP	
32384			p	49840.417	0.004	-0.007	10	HP	
32385	1345-003	BF Vir	p	49840.440	0.006	+0.001	11	HP	
32386	1355-014	BH Vir	s	49844.413	0.005	+0.003	7	HP	
32387	1327+013	FO Vi	p	47322.469	0.002	+0.008	17	MMa	
32388	1241-084	HW Vir	p	49810.489	0.002	-0.001	10	KL	elem. IBVS No. 4109
32389			p	49810.606	0.001	-0.001	8	KL	
32390			p	49811.423	0.001	-0.001	8	KL	
32391			p	49811.538	0.002	-0.003	8	KL	
32392			p	49812.475	0.001	0.000	8	KL	
32393			p	49817.375	0.002	-0.002	9	KL	
32394			p	49817.492	0.001	-0.002	6	KL	
32395			p	49819.477	0.002	-0.001	7	KL	
32396			p	49826.363	0.002	-0.002	6	KL	
32397			p	49840.369	0.001	-0.002	6	KL	
32398			p	49840.486	0.001	-0.002	5	KL	
32399			p	49841.420	0.002	-0.001	5	KL	
32400			p	49842.353	0.001	-0.002	5	KL	
32401			p	49842.470	0.001	-0.002	4	KL	

BBSAG Bulletin 109

32402	p	49843.402	0.001	-0.004	8	KL
32403	p	49852.391	0.002	-0.002	7	KL
32404	p	49859.394	0.002	-0.002	6	KL
32405	p	49860.444	0.001	-0.003	6	KL
32406	p	49861.379	0.001	-0.001	7	KL
32407	p	49865.463	0.001	-0.003	5	KL

Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
32408	1241-084	HW Vir	p	49866.397	0.001	-0.002	6	KL	elem. IBVS No. 4109
32409			p	49878.421	0.002	-0.001	4	KL	
32410			p	49896.395	0.001	-0.002	6	KL	
32411	1919+254	Z Vul	p	49600.344	0.005	-0.005	13	MMa	
32412	2030+246	AX Vul	p	49919.513	0.004	-0.023	8	KL	
32413	2023+272	BE Vul	p	49895.485	0.004	+0.019	8	HP	
32414	2117+218	BG Vul	p	<u>49896.426</u>	0.003	<u>+0.078</u>	43	RD	CCD, normal minimum
32415	2128+248	BM Vul	s	<u>49924.4286</u>	0.0014	<u>-0.0670</u>	15	RD	CCD
32416	1954+237	BO Vul	p	49865.447	0.002	+0.024	6	KL	
32417	2023+263	CD Vul	p	49826.623	0.003	-0.006	5	KL	
32418			p	49898.436	0.005	+0.014	8	HP	
32419	2011+265	DR Vul	p	<u>49898.520</u>	0.004	<u>+0.166</u>	21	RD	CCD
32420			s	<u>49917.5027</u>	0.0011	<u>+0.0161</u>	27	RD	CCD; displ. secondary
32421	1948+220	EU Vul	p	<u>49895.5046</u>	0.0016	<u>+0.0146</u>	23	RD	CCD

Errata

No.	Bulletin	Star	Correction
26956 93	AS Cam		O = 47893.31 <u>2</u> :
28512 97	AC CMi		<u>Remark: elem. PASP 98, 960</u>
29879 101	AC CMi		<u>Remark: elem. PASP 98, 960</u>
29880 101	AC CMi		<u>Remark: elem. PASP 98, 960</u>
31362 106	CC Com		O = 49 <u>375</u> .631
31988 108	AS Hya		<u>Remark: elem. BBSAG Bull. 83, 5</u>
32057 108	SW Pyx		<u>Remark: elem. BBSAG Bull. 91, 14</u>

R. Diethelm