

BBSAG

BULLETIN

123

October 15, 2000

156. LIST OF MINIMA OF ECLIPSING BINARIES

The following table lists 111 electronically recorded (CCD; underlined) and 203 visual timings of minima of eclipsing binaries obtained primarily between May and September 2000 by the following observers:

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The O-C values given in the table below generally refer to the linear elements of the GCVS 1985, with the remarked exceptions. For the determination of the time of the minima, the tracing paper method was employed. For the reduction of some of the electronic observations, software based on the Kwee-van Woerden algorithm was used. All times are UTC.

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36231	0153+418	XZ And	p	51812.356	0.004	+0.107	6	KL	
36232	2347+455	AP And	p	51757.388	0.005	+0.032	11	JVe	elem. GEOS Circ. EB No. 22
36233			p	51776.410		+0.006	12	JVe	
36234			s	51780.381	0.005	+0.008	9	JVe	
36235	0209+453	CP And	p	51797.610	0.008	+0.244	4	KL	
36236	0154+378	DS And	p	<u>51810.489</u>	<u>0.002</u>	<u>-0.009</u>	15	RD	CCD
36237	0139+445	EP And	s	51746.553	0.004	+0.053	6	KL	
36238	2337+474	EX And	p	51806.459	0.003	-0.016	7	KL	
36239	2351+453	GK And	p	<u>51551.353</u>	<u>0.007</u>	<u>-0.001</u>	23	APs	CCD; elem. BAV Rb. 43, 108
36240	0209+444	GZ And	p	51712.563	0.005	-0.002	7	KL	
36241	2202-090	XZ Aqr	p	51757.448	0.009	+0.086	5	KL	
36242	2217-203	AT Aqr	s	51781.441	0.004	-0.007	6	KL	
36243	2117-043	CD Aqr	p	<u>51756.4555</u>	<u>0.0005</u>	<u>+0.1587</u>	20	RD	CCD
36244	2319-162	CZ Aqr	p	51756.549	0.005	-0.026	5	KL	
36245	2217-009	GK Aqr	p	51811.554	0.008	-0.054	6	KL	elem. P.Z. 22, 327
36246			s	51812.368	0.004	-0.058	9	KL	
36247			s	51814.336	0.005	-0.055	8	KL	
36248			p	51814.493	0.005	-0.061	7	KL	
36249	2019-075	XZ Aql	p	51724.547	0.008	+0.106	4	KL	
36250	1908+011	V406 Aql	p	<u>51747.487</u>	<u>0.005</u>	<u>+0.002</u>	10	RD	CCD
36251	1934+038	V418 Aql	p	51781.510	0.006	-0.079	6	KL	
36252	1944+062	V676 Aql	p	<u>51698.574</u>	<u>0.003</u>	<u>+0.080</u>	9	RD	CCD
36253	1958+085	V760 Aql	p	51743.504	0.008	-0.019	6	KL	
36254	1958+142	V761 Aql	p	<u>51769.4206</u>	<u>0.0009</u>	<u>+0.0910</u>	15	RD	CCD
36255	1957+154	V1075 Aql	p	<u>51698.5509</u>	<u>0.0008</u>	<u>-0.0211</u>	9	RD	CCD
36256	0302+283	TX Ari	p	<u>51810.5057</u>	<u>0.0016</u>	<u>-0.0525</u>	15	RD	CCD
36257	0543+411	XX Aur	p	50836.546	0.002	-0.345	8	PG	
36258			p	51139.648	0.002	-0.340	7	PG	
36259	0509+334	CL Aur	p	51814.504	0.008	+0.098	6	KL	
36260	0548+302	FW Aur	p	50846.672	0.003	-0.030	16	PG	
36261			p	51166.650	0.003	-0.049	8	PG	
36262			p	51225.540	0.003	-0.038	11	PG	
36263			p	51248.589	0.001	-0.028	10	PG	
36264	1402+302	TU Boo	p	51673.568	0.004	+0.001	5	KL	elem. A&AS 117, 105

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36265	1506+401	TZ Boo	s	<u>51680.458</u>	<u>0.006</u>	+0.074	34	APs	CCD
36266			p	<u>51680.618</u>	<u>0.007</u>	+0.086	29	APs	CCD; norm. minimum
36267	1353+261	ZZ Boo	p	51599.417	0.005	+0.054	14	KT	
36268			p	51629.373	0.005	+0.060	12	KT	
36269	1524+371	CV Boo	p	<u>51609.525</u>	<u>0.005</u>	<u>-0.009</u>	21	APs	CCD; elem. IBVS No. 2788
36270	0734+761	Y Cam	p	51814.596	0.005	+0.206	8	KL	
36271	0447+548	AO Cam	s	51628.343	0.007	-0.007	12	KT	elem. PASP 97, 648
36272	0524+694	AS Cam	p	51636.475	0.006	-0.035	10	KT	
36273	0727+107	AC CMi	p	<u>51609.315</u>	<u>0.008</u>	<u>+0.020</u>	19	APs	CCD; elem. PASP 98, 960
36274	0705+063	AG CMi	p	<u>51615.362</u>	<u>0.004</u>	<u>-0.074</u>	45	APs	CCD
36275	0244+694	RZ Cas	p	51562.289	0.002	+0.033	15	KT	
36276			p	51568.258	0.005	+0.027	11	KT	
36277			p	51588.584	0.002	+0.034	10	KT	
36278			p	51599.340	0.004	+0.033	11	KT	
36279			p	51600.536	0.003	+0.034	9	KT	
36280			p	51606.512	0.002	+0.034	10	KT	
36281			p	51624.440	0.003	+0.033	14	KT	
36282			p	51630.417	0.003	+0.034	14	KT	
36283			p	51636.394	0.003	+0.034	11	KT	
36284	0232+710	AB Cas	p	51805.600	0.003	+0.060	6	KL	
36285	0123+698	AE Cas	p	51672.538	0.005	+0.075	6	KL	
36286	0130+707	AH Cas	p	51796.473	0.005	-0.202	7	KL	
36287	0135+631	BW Cas	p	51811.495	0.004	+0.004	6	KL	elem. BBSAG Bull. 122, 8
36288	2304+538	IR Cas	p	51796.346	0.008	+0.034	5	KL	
36289	2339+514	IT Cas	s	<u>51766.4858</u>	<u>0.0008</u>	<u>+0.1963</u>	16	RD	CCD; displ. secondary
36290	0048+585	KL Cas	p	50811.618	0.004	-0.009	11	PG	
36291			p	51139.567	0.006	-0.015	10	PG	
36292			p	51756.331	0.003	-0.002	8	JVe	
36293	0101+538	KT Cas	p	50798.617	0.001	-0.122	10	PG	
36294			p	50809.684	0.010	-0.134	6	PG	
36295			p	51039.584	0.010	-0.118	6	PG	
36296			p	51086.660	0.002	-0.126	13	PG	
36297			p	51111.598	0.011	-0.116	6	PG	
36298			p	51399.629	0.003	-0.131	10	PG	
36299			p	51410.701	0.011	-0.137	10	PG	
36300	2305+571	V344 Cas	s	<u>51796.3788</u>	<u>0.0007</u>	<u>-0.0975</u>	17	RD	CCD
36301	2339+558	V361 Cas	p	<u>51767.4174</u>	<u>0.0012</u>	<u>-0.1728</u>	14	RD	CCD
36302	0037+499	V523 Cas	s	51704.530	0.006	+0.044	5	KL	

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36303	0024+494	LD328 Cas	p	51742.455	0.006	-0.002	6	KL	see note p. 10
36304			p	51756.547	0.007	+0.001	10	KL	
36305			p	51781.474	0.004	0.000	12	KL	
36306			p	51782.561	0.007	+0.003	8	KL	
36307			p	51795.569	0.007	+0.005	8	KL	
36308	0057+816	U Cep	p	51609.505	0.004	+0.112	8	KT	
36309			p	51624.459	0.005	+0.108	8	KT	
36310			p	51629.448	0.002	+0.111	17	KT	
36311	2208+628	TV Cep	p	51486.61	0.03	+0.03	6	PG	
36312			p	51490.53	0.03	+0.10	6	PG	
36313	2243+678	ZZ Cep	p	51552.494	0.008	-0.011	21	KT	
36314	2225+659	BR Cep	p	51396.642	0.005	-0.011	12	PG	
36315			p	51453.632	0.008	-0.040	11	PG	
36316	2320+650	CM Cep	p	<u>51747.4581</u>	<u>0.0006</u>	<u>-0.0307</u>	18	RD	CCD
36317			p	51814.384	0.003	-0.026	6	KL	
36318	2118+604	LP Cep	p	51080.633	0.002	+0.003	14	PG	elem. IBVS No. 4829
36319			p	51112.510	0.002	-0.001	10	PG	
36320			p	51157.564	0.001	+0.004	13	PG	
36321			p	51159.644	0.001	+0.005	11	PG	
36322			p	51166.575	0.001	+0.005	9	PG	
36323	0220+809	V358 Cep	p	51673.379	0.004	+0.016	6	KL	elem. BBSAG Bull. 96, 10
36324	0246+015	SS Cet	p	51795.572	0.005	+0.011	6	KL	
36325	0146-211	TW Cet	p	51796.540	0.004	-0.014	6	KL	
36326	0147-198	VY Cet	s	51796.573	0.004	-0.004	8	KL	
36327	1232+236	RZ Com	p	<u>51609.408</u>	<u>0.002</u>	<u>+0.029</u>	25	APs	CCD
36328	2021+430	UW Cyg	p	51723.478	0.003	+0.026	5	KL	
36329	2002+414	WW Cyg	p	51681.552	0.006	+0.027	7	KL	
36330	2051+386	WZ Cyg	p	51803.550	0.003	+0.052	7	KL	
36331	2022+467	ZZ Cyg	p	51797.550	0.003	-0.036	6	KL	
36332	1939+466	BR Cyg	p	51677.605	0.005	-0.008	7	KL	
36333	1924+292	DX Cyg	p	51806.516	0.006	-0.053	9	KL	
36334	2156+467	GV Cyg	p	<u>51773.4174</u>	<u>0.0006</u>	<u>-0.2875</u>	17	RD	CCD
36335	1928+342	HK Cyg	p	51810.379	0.008	-0.103	6	KL	
36336	2017+361	V346 Cyg	p	<u>51806.3419</u>	<u>0.0006</u>	<u>+0.0669</u>	14	RD	CCD
36337	1941+326	V370 Cyg	p	51672.514	0.005	-0.011	6	KL	
36338	2026+381	V445 Cyg	p	51742.516	0.006	+0.218	7	KL	
36339	2004+352	V448 Cyg	p	51437.214	0.023	+0.034	13	KT	normal minimum

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36340	2003+318	V477 Cyg	s	<u>51714.403</u>	<u>0.003</u>	<u>-0.487</u>	14	RD	CCD; displ. secondary
36341	2011+327	V493 Cyg	p	<u>51806.438</u>	<u>0.002</u>	<u>+0.124</u>	18	RD	CCD
36342	2011+404	V726 Cyg	p	51743.532	0.003	+0.038	9	KL	
36343	2025+586	V728 Cyg	p	51726.466	0.005	+0.018	7	KL	
36344	1925+288	V859 Cyg	s	<u>51704.4349</u>	<u>0.0013</u>	<u>-0.0374</u>	13	RD	CCD
36345	1930+306	V884 Cyg	s	<u>51713.438</u>	<u>0.006</u>	<u>+0.002</u>	8	RD	CCD
36346	1937+575	V940 Cyg	s	<u>51675.400</u>	<u>0.002</u>	<u>+0.008</u>	21	EBI	CCD; el. BBSAG Bull. 122, 8
36347	1941+302	V959 Cyg	p	<u>51713.4270</u>	<u>0.0014</u>	<u>-0.0464</u>	14	RD	CCD
36348	2115+437	V1066 Cyg	p	<u>51810.583</u>	<u>0.005</u>	<u>+0.074</u>	8	RD	CCD
36349	1935+287	V1136 Cyg	p	<u>51714.4474</u>	<u>0.0007</u>	<u>+0.0632</u>	12	RD	CCD
36350	1928+488	GSC3551.81 Cyg	p	<u>51766.4506</u>	<u>0.0009</u>		28	EBI	CCD
36351			s	<u>51766.6044</u>	<u>0.0009</u>		16	EBI	CCD
36352			p	<u>51771.3637</u>	<u>0.0005</u>		20	EBI	CCD
36353			s	<u>51771.5168</u>	<u>0.0010</u>		21	EBI	CCD
36354			p	<u>51781.4944</u>	<u>0.0009</u>		14	EBI	CCD
36355	1939+503	GSC3564 .3059 Cyg	s	<u>51766.3434</u>	<u>0.0018</u>		10	EBI	CCD
36356			p	<u>51766.5180</u>	<u>0.0001</u>		27	EBI	CCD
36357			p	<u>51771.4790</u>	<u>0.0012</u>		31	EBI	CCD
36358			p	<u>51781.4048</u>	<u>0.0015</u>		11	EBI	CCD
36359			s	<u>51781.5852</u>	<u>0.0011</u>		11	EBI	CCD
36360	2035+181	W Del	p	51758.460	0.004	+0.011	7	KL	
36361	2033+082	TT Del	p	51666.554	0.004	-0.043	6	KL	
36362	2051+044	FZ Del	p	51779.450	0.003	-0.042	11	KL	
36363	1142+725	Z Dra	p	51728.490	0.006	-0.144	6	KL	
36364	1820+475	TZ Dra	p	51629.412	0.007	-0.015	13	KT	
36365	1655+527	AI Dra	p	51171.450	0.005	+0.015	7	KT	
36366			p	51207.415	0.003	+0.015	15	KT	
36367			p	51533.491	0.003	+0.014	16	KT	
36368			p	51599.428	0.003	+0.016	12	KT	
36369			p	51629.399	0.002	+0.016	13	KT	
36370	1815+532	AK Dra	p	51697.390:		+0.205	8	JVe	
36371			p	51719.494:	0.005	+0.127	15	JVe	
36372			p	51748.406:	0.005	+0.201	7	JVe	
36373			p	51779.383:	0.007	+0.124	11	JVe	
36374			s	51780.398:	0.004	+0.029	8	JVe	
36375	1922+698	DW Dra	p	51673.444	0.008	-0.001	5	KL	elem. BBSAG Bull. 117, 7

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36376	1906+593	KK Dra	p	51669.538	0.002	-0.023	7	KL	elem. BBSAG Bull. 120, 7
36377			p	51712.480	0.002	-0.025	11	KL	
36378			p	51743.495	0.003	-0.026	8	KL	
36379			p	51780.473	0.003	-0.028	9	KL	
36380			p	51786.431	0.003	-0.035	6	KL	
36381			p	51810.304	0.006	-0.020	6	KL	
36382			p	51811.491	0.004	-0.025	9	KL	
36383	2115+096	RZ Equ	p	<u>51766.4713</u>	<u>0.0015</u>	<u>+0.0023</u>	12	RD	CCD; el. BBSAG Bull. 110, 9
36384	0410-108	ZZ Eri	p	<u>51561.354</u>	<u>0.002</u>	<u>-0.014</u>	170	APs	CCD
36385	0558+231	RW Gem	p	51814.643	0.005	-0.002	6	KL	
36386	1828+125	RX Her	p	51740.485	0.008	+0.013	14	RD	
36387	1737+329	SZ Her	p	51726.440	0.005	-0.040	6	KL	
36388	1711+307	TU Her	p	51703.428	0.002	-0.092	10	KL	
36389	1615+090	CC Her	p	51728.466	0.002	+0.114	10	KL	
36390	1732+151	DP Her	p	51433.578	0.001	+0.056	16	PG	
36391			p	51719.680	0.001	+0.058	22	PG	
36392	1658+320	IK Her	p	<u>51673.4388</u>	<u>0.0017</u>	<u>+0.1770</u>	10	RD	CCD
36393	1814+276	MS Her	s	<u>51757.5260</u>	<u>0.0002</u>		27	EBI	CCD; see note p. 9
36394	1819+144	MT Her	p	51716.511	0.003	+0.011	5	KL	
36395	1704+277	V366 Her	p	<u>51767.3962</u>	<u>0.0008</u>	<u>-0.0958</u>	12	RD	CCD
36396	1809+239	V836 Her	p	51696.416:	0.005	+0.289	9	JVe	elem. JBAA 101, 171
36397			p	51755.402:	0.007	0.000	11	JVe	
36398	1658+420	V865 Her	p	<u>51698.47:</u>	<u>0.02</u>	<u>-1.11</u>	45	APs	CCD; elem. IBVS No. 4125
36399	1631+503	V1005 Her	p	<u>51722.4457</u>	<u>0.0010</u>	<u>+0.0022</u>	14	RD	CCD; elem. IBVS No. 4611
36400	1733+442	GSC3099.905 Her	p	<u>51746.4764</u>	<u>0.0013</u>		17	EBI	CCD
36401			s	<u>51752.3868</u>	<u>0.0017</u>		12	EBI	CCD
36402			p	<u>51752.5136</u>	<u>0.0022</u>		11	EBI	CCD
36403			p	<u>51767.3485</u>	<u>0.0008</u>		23	EBI	CCD
36404			p	<u>51773.3793</u>	<u>0.0029</u>		16	EBI	CCD
36405			s	<u>51773.5052</u>	<u>0.0021</u>		14	EBI	CCD
36406			p	<u>51781.4265</u>	<u>0.0007</u>		11	EBI	CCD
36407			s	<u>51781.5518</u>	<u>0.0029</u>		10	EBI	CCD
36408	1741+434	GSC3100 .1616 Her	p	<u>51746.4132</u>	<u>0.0009</u>		14	EBI	CCD
36409			s	<u>51746.5437</u>	<u>0.0011</u>		16	EBI	CCD
36410			s	<u>51752.4816</u>	<u>0.0013</u>		13	EBI	CCD
36411			s	<u>51768.4809</u>	<u>0.0004</u>		48	EBI	CCD
36412			s	<u>51773.3856</u>	<u>0.0010</u>		19	EBI	CCD
36413			p	<u>51773.5138</u>	<u>0.0009</u>		16	EBI	CCD
36414			s	<u>51781.3865</u>	<u>0.0006</u>		17	EBI	CCD
36415			p	<u>51781.5196</u>	<u>0.0027</u>		13	EBI	CCD

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36416	1806+336	GSC2625 .1563 Her	s	51746.366	<u>0.012</u>		5	EBI	CCD
36417			p	51746.5125	<u>0.0008</u>		21	EBI	CCD
36418			s	51768.4372	<u>0.0003</u>		31	EBI	CCD
36419			s	51773.4399	<u>0.0005</u>		31	EBI	CCD
36420			s	51781.3856	<u>0.0011</u>		16	EBI	CCD
36421			p	51781.5300	<u>0.0022</u>		14	EBI	CCD
36422	2206+454	AR Lac	p	51164.523	0.007	-0.074	12	KT	
36423			p	51408.442	0.005	-0.088	27	KT	
36424			p	51416.390	0.006	-0.072	21	KT	
36425			p	51551.234	0.004	-0.086	14	KT	
36426	2213+484	AU Lac	p	51780.562	0.005	-0.016	5	KL	
36427	0622+563	RR Lyn	p	51492.589	0.006	+0.001	31	KT	normal minimum
36428	1914+323	RV Lyr	p	51810.315	0.009	-0.057	5	KL	
36429	1925+415	TT Lyr	p	51798.475	0.007	-0.006	7	KL	
36430	1919+378	UZ Lyr	p	51665.406	0.009	-0.032	6	KL	
36431	1920+347	ET Lyr	p	51798.368	<u>0.002</u>	<u>-0.087</u>	14	RD	CCD
36432	1831+377	EW Lyr	p	51712.518	0.005	+0.243	10	KL	
36433	1908+278	GZ Lyr	p	51722.4761	<u>0.0006</u>	<u>+0.0038</u>	18	RD	CCD
36434	1918+315	V376 Lyr	p	51673.550	<u>0.003</u>	<u>+0.076</u>	9	RD	CCD
36435	1904+292	V412 Lyr	p	51757.505	<u>0.003</u>	<u>+0.126</u>	16	RD	CCD
36436	1825+362	GSC2636 .1753 Lyr	s	51757.4276	<u>0.0007</u>		16	EBI	CCD
36437			p	51757.5643	<u>0.0024</u>		7	EBI	CCD
36438			p	51768.4894	<u>0.0006</u>		49	EBI	CCD
36439			p	51773.4061	<u>0.0007</u>		19	EBI	CCD
36440			s	51781.4619	<u>0.0002</u>		18	EBI	CCD
36441	1848+436		s	51757.368	<u>0.003</u>		8	EBI	CCD
36442		GSC3131.476 Lyr	p	51757.4888	<u>0.0023</u>		21	EBI	CCD
36443			s	51768.5408	<u>0.0004</u>		29	EBI	CCD
36444			s	51773.4002	<u>0.0009</u>		14	EBI	CCD
36445			p	51773.5197	<u>0.0008</u>		14	EBI	CCD
36446			s	51781.4137	<u>0.0011</u>		16	EBI	CCD
36447			p	51781.5355	<u>0.0024</u>		13	EBI	CCD
36448	1849+355		s	51766.4665	<u>0.0009</u>		26	EBI	CCD
36449			p	51766.6096	<u>0.0005</u>		17	EBI	CCD
36450		GSC2646 .1938 Lyr	p	51770.3663	<u>0.0011</u>		14	EBI	CCD
36451			s	51771.3784	<u>0.0016</u>		26	EBI	CCD
36452			p	51771.5241	<u>0.0007</u>		23	EBI	CCD
36453			p	51781.3509	<u>0.0010</u>		6	EBI	CCD
36454			s	51781.4967	<u>0.0003</u>		18	EBI	CCD

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36455	1853+409	GSC3123	s	<u>51766.4559</u>	<u>0.0005</u>		27	EBI	CCD
36456		.1618 Lyr	p	<u>51766.5841</u>	<u>0.0005</u>		16	EBI	CCD
36457			s	<u>51771.4464</u>	<u>0.0006</u>		38	EBI	CCD
36458			s	<u>51781.4271</u>	<u>0.0010</u>		15	EBI	CCD
36459			p	<u>51781.5543</u>	<u>0.0015</u>		11	EBI	CCD
36460	1615-065	SX Oph	p	<u>51715.513</u>	<u>0.004</u>	<u>+0.008</u>	46	APs	CCD
36461	1755+046	V391 Oph	p	51758.479	0.007	+0.023	5	KL	
36462	1712-190	V448 Oph	p	51722.566:			55	APs	CCD; see note p. 9
36463	1728+106	V449 Oph	p	51703.452	0.008	+0.058	7	KL	
36464	1826+108	V451 Oph	p	51415.365	0.008	-0.002	8	KT	normal minimum
36465			p	51740.448	0.008	-0.015	14	RD	
36466			p	<u>51773.4089</u>	<u>0.0006</u>	<u>-0.0034</u>	18	RD	CCD
36467	1756+135	V508 Oph	p	51671.521	0.002	+0.001	9	KL	
36468	1754+049	V566 Oph	s	51643.462	0.005	+0.068	9	KT	
36469	1824+042	V586 Oph	p	<u>51669.4731</u>	<u>0.0012</u>	<u>-0.0400</u>	10	RD	CCD
36470			p	51669.478	0.009	-0.035	5	KL	
36471	1820+040	V916 Oph	p	51674.586	0.008	+0.202	6	KL	
36472	1716-001	V2425 Oph	p	<u>51746.4184</u>	<u>0.0011</u>	<u>-0.0374</u>	15	RD	CCD; elem. IBVS No. 4407
36473	0612+155	V645 Ori	p	51230.562	0.004	+0.032	6	PG	
36474			p	51231.607	0.001	+0.036	6	PG	
36475			p	51255.543	0.004	+0.042	6	PG	
36476			p	51256.577	0.002	+0.036	6	PG	
36477			p	51281.552	0.001	+0.041	7	PG	
36478	2327+132	TY Peg	p	51781.486	0.009	-0.192	6	KL	
36479	2158+347	AY Peg	p	<u>51757.4913</u>	<u>0.0011</u>	<u>-0.1586</u>	10	RD	CCD; see note page 9
36480	2146+278	CW Peg	p	51742.417	0.003	+0.047	7	KL	
36481	2357+184	DM Peg	p	<u>51769.372</u>	<u>0.005</u>	<u>+0.103</u>	14	RD	CCD
36482	2120+218	DP Peg	p	<u>51757.490</u>	<u>0.003</u>		10	RD	CCD; see note p. 10
36483			p	<u>51767.457</u>	<u>0.003</u>		8	RD	CCD
36484			p	<u>51797.3607</u>	<u>0.0010</u>		48	EBI	CCD
36485	2137+089	EE Peg	p	51456.351	0.005	+0.003	12	KT	
36486	2259+270	EU Peg	p	<u>51796.3545</u>	<u>0.0006</u>	<u>+0.0292</u>	15	RD	CCD
36487	2312+165	EY Peg	p	51757.476	0.007	+0.017	5	KL	elem. BBSAG Bull. 105, 8
36488	2304+306	GP Peg	p	<u>51798.3804</u>	<u>0.0008</u>	<u>-0.0358</u>	15	RD	CCD
36489	0236+419	Z Per	p	51805.347	0.006	-0.130	6	KL	
36490	0320+463	RT Per	p	51799.598	0.003	+0.047	6	KL	

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36491	0256+389	ST Per	p	51798.509	0.007	+0.127	9	KL	
36492	0335+425	WY Per	p	51139.463	0.003	-0.034	10	PG	
36493	0405+464	XZ Per	p	51809.563	0.006	-0.045	5	KL	
36494	0220+557	DK Per	p	51780.475	0.003	-0.022	6	KL	elem. IBVS No. 3875
36495	0222+558	DM Per	p	51470.290	0.024	+0.009	38	KT	normal minimum
36496	0407+453	FQ Per	p	51248.551	0.003	+0.633	15	PG	
36497	0341+376	HV Per	p	51136.651	0.005	-0.126	14	PG	
36498	0356+480	IQ Per	p	51456.426	0.006	+0.007	7	KT	
36499			p	51470.366	0.005	-0.002	11	KT	
36500			p	51498.264	0.008	-0.001	11	KT	
36501	0253+376	LS Per	p	50897.543	0.001	-0.386	7	PG	
36502			p	51136.630	0.002	-0.386	6	PG	
36503			p	51139.548	0.001	-0.384	11	PG	
36504			p	51486.539	0.008	-0.360	11	PG	
36505			p	51521.536	0.013	-0.351	7	PG	
36506	0236+454	PS Per	p	51810.419	0.005	+0.062	6	KL	
36507	0304+407	Beta Per	p	51565.403	0.008	+0.038	16	KT	
36508			p	51568.268	0.007	+0.037	15	KT	
36509	1916+195	U Sge	p	51555.250	0.008	-0.008	6	KT	normal minimum
36510	2010+191	UZ Sge	p	51746.427	0.004	+0.028	7	KL	
36511	2011+212	DK Sge	p	<u>51780.3998</u>	<u>0.0007</u>	<u>+0.1219</u>	16	RD	CCD
36512	1756-173	WX Sgr	p	51744.429	0.005	-0.099	7	KL	
36513	1808-164	XY Sgr	p	51674.536	0.007	+0.013	6	KL	
36514	1851-060	CT Sct	p	51757.309	0.003	+0.648	10	JVe	
36515	1739-138	AK Ser	p	51742.516	0.005	+0.011	6	KL	
36516	1556+173	AO Ser	p	51698.447	0.008	+0.018	5	KL	
36517	1554+224	AU Ser	p	51704.552	0.005	-0.060	5	KL	
36518	0400+279	RW Tau	p	51188.510	0.010	-0.139	23	KT	normal minimum
36519			p	51811.484	0.003	-0.153	7	KL	
36520	0344+249	AH Tau	s	51797.571	0.006	-0.094	6	KL	
36521	0514+200	CD Tau	p	51543.511	0.008	-0.007	19	KT	normal minimum
36522	0435+205	HU Tau	p	51207.267	0.005	+0.018	48	KT	normal minimum
36523	0128+301	V Tri	p	51796.391	0.004	+0.003	5	KL	
36524	0222+278	RW Tri	p	51782.547	0.002	-0.004	5	KL	

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
36525	0940+561	W UMa	p	51614.368	0.003	-0.035	8	KT	
36526			s	51627.543	0.003	-0.039	12	KT	
36527	1042+458	TX UMa	p	51164.601	0.005	+0.155	12	KT	
36528			p	51250.365	0.003	+0.149	22	KT	
36529	1334+521	UX UMa	p	51703.488	0.001	+0.003	5	KL	
36530	0851+651	AC UMa	p	51782.526	0.009	-0.104	7	KL	
36531	1337+700	RU UMi	p	<u>51642.368</u>	<u>0.005</u>	<u>-0.006</u>	26	APs	CCD
36532	1259-195	UY Vir	p	<u>51642.484</u>	<u>0.010</u>	<u>-0.613</u>	36	APs	CCD
36533	1241-084	HW Vir	p	51665.394	0.001	-0.002	6	KL	elem. IBVS No. 4109
36534			p	51666.445	0.001	-0.002	7	KL	
36535			p	51671.464	0.001	-0.002	6	KL	
36536			p	51697.374	0.001	-0.004	6	KL	
36537			p	51698.424	0.001	-0.004	6	KL	
36538			p	51704.377	0.001	-0.003	5	KL	
36539	1919+254	Z Vul	p	51419.443	0.011	-0.012	44	KT	normal minimum
36540	1915+223	RS Vul	p	51408.462	0.012	-0.008	38	KT	normal minimum
36541			p	51426.402	0.010	+0.020	12	KT	normal minimum
36542	2023+272	BE Vul	p	51697.415	0.008	+0.025	7	KL	
36543	1954+237	BO Vul	p	51696.494	0.002	+0.008	7	KL	
36544	2011+265	DR Vul	s	<u>51747.5263</u>	<u>0.0015</u>	<u>+0.0869</u>	19	RD	CCD; displ. secondary

Notes on observations given in the table above

MS Her

The period stated in the GCVS is incorrect. For further investigations, the period value given in Akerlof et al. (AJ 119(2000), 1901; MS Her = ROTSE1 J181653.46+273945.4) of 0.867928 $\pm$ 0.000279 should be used as a starting point. R. Diethelm

V448 Oph

For the minimum given, only the descending of the light curve was observable, the time stated refers to the one for the last measurement. The observed amplitude amounts to about 1 mag. A. Paschke

AY Peg

The amplitude determined from our unfiltered (red-sensitive) CCD data is considerably larger than the one given in the GCVS, namely 13.1 - 15.6 mag. R. Diethelm

Erratum

Due to a mistake by the editor, the note on **V1031 Ori** on **page 7 of BBSAG Bulletin 122** contained an error. It should read: „The duration of the minimum given in the GCVS ($D = 0.013^p$) is in error. The correct value should read $D = 0.13^p$ (observed by K. Tikkanen).“

R. Diethelm

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Nr	Design.	Star	Type	O	e.	O-C	n	Obs	Remarks
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DP Pegasi

According to the SIMBAD data base, no elements of variation for this eclipsing binary have yet been published. A survey during the last two observing seasons (1999 - 2000) shows, that the period is either 1.245954 days or twice that value. We are in the process of securing the entire light curve, which will be reported elsewhere. The provisional elements of variation are:

$$JD(\text{min, hel}) = 2451513.283 + 1.245954 \cdot E.$$

R. Diethelm
E. Blättler

LD328 Cassiopeiae

As was the case last year with LD282 (see BBSAG Bulletin **120**, 7; meanwhile designated KK Dra), Dahlmark's unremitting search for new variables has yielded another similar, though typologically less remarkable EA binary suitable for finding its period by visual survey. This is LD328, and Dahlmark's note (IBVS No. 4734, 4) that „the period is probably some fraction of 38 days“ was very helpful in planning my nights of survey. After quickly finding that the pertinent divisor must be an odd number, observations on consecutive nights revealed the period to be close to one day, and 39.00 days a more accurate integer multiple of it than 38.00 days. A survey covering a span of 100 nights has furnished the elements

$$\text{Min hel JD } 2451704.524 + 1.0838 \cdot E$$

and the plot in the following figure.

K. Locher

