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**163. LIST OF MINIMA TIMINGS OF ECLIPSING BINARIES
BY BBSAG OBSERVERS**

(BBSAG Bulletin No. 130)

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The following Table 1 lists 559 timings of minima of eclipsing binaries secured both by photoelectrical as well as by visual means by BBSAG observers, primarily obtained between July 2003 and June 2004. The given O-C values generally refer to the linear elements of the GCVS (Kholopov et al., 1985), except for the cases stated in the remarks. All times given are heliocentric UTC.

Table 1: Eclipsing binaries

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
UU And	p	52855.571	0.003	+0.045	9	KL	vis
XZ And	p	52884.631	0.002	+0.133	7	KL	vis
CP And	p	52898.352	0.009	+0.260	6	KL	vis
EP And	p	52862.504	0.004	0.000	6	KL	vis
HS And	p	52903.516	0.003	+0.257	57	APs	CCD
GK And	p	52871.444	0.010	-0.036	31	APs	CCD; elem. BAV Rb. 108
GZ And	s	52991.354	0.008	+0.001	6	KL	vis
YY Aps	p	53084.3601	0.0020		204	FH	CCD
CX Aqr	p	52854.590	0.002	-0.001	7	KL	vis
CZ Aqr	p	52850.524	0.004	-0.023	6	KL	vis
DY Aqr	p	52854.495	0.010	+0.241	81	APs	CCD
GK Aqr	s	52871.554	0.003	-0.043	7	KL	vis; elem. Per. Zv. 22, 327
GSC568:1658 Aqr	s	52938.386	0.003	-0.012	7	KL	vis; elem. IBVS No. 5455
	p	52962.372	0.004	-0.006	5	KL	vis
XZ Aql	p	52875.452	0.008	+0.132	6	KL	vis
FK Aql	p	53150.495	0.008	-0.061	6	KL	vis
V340 Aql	p	52904.388	0.005	+0.065	6	KL	vis
V479 Aql	p	53150.545	0.004	-0.018	6	KL	vis
V719 Aql	p	52861.47	0.01	-2.38	25	APs	CCD
V803 Aql	p	53149.520	0.003	-0.057	6	KL	vis
V873 Aql	s	53182.498	0.005	+0.041	7	KL	vis
T Aur	p	52283.261	0.002	-0.015	40	APs	CCD
RY Aur	p	52908.585	0.005	+0.025	7	KL	vis
CL Aur	p	52924.488	0.005	+0.108	6	KL	vis
KU Aur	p	52898.595	0.003	+0.025	9	KL	vis

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks
TU Boo	p	52863.366	0.006	+0.009	5	KL	vis; elem. AA Suppl. 117, 105
TY Boo	s	52839.3945	0.0003	-0.0117	18	EB1	CCD; elem. BAV Mitt. 68, 21
TZ Boo	p	52839.3973	0.0007	+0.819	22	EB1	CCD
VW Boo	p?	52839.4131	0.0006	-0.0699	20	EB1	CCD; elem. MNRAS 246, 47
XY Boo	p	53117.4774	0.0012	+0.0077	17	EB1	CCD; elem. AJ 76, 923
YY Boo	p	53145.459	0.005	-0.088	219	APs	CCD
AR Boo	s	53094.4343	0.0013	+0.0167	17	EB1	CCD; elem. IBVS No. 4601
GM Boo	p	53081.5055	0.0014	+0.0163	15	EB1	CCD; elem. IBVS No. 5125
GN Boo	s	53081.4332	0.0016	+0.0097	13	EB1	CCD; elem. IBVS No. 5125
GQ Boo	p	52839.5053	0.0012	+0.0006	18	EB1	CCD; elem. IBVS No. 5125
	p	53081.451	0.002	+0.007	12	EB1	CCD
GR Boo	p	53081.3967	0.0012	+0.0031	11	EB1	CCD; elem. IBVS No. 5125
Y Cam	p	52862.519	0.003	+0.246	6	KL	vis
TY Cnc	p	53081.384	0.005	-0.207	6	KL	vis
AB Cnc	p	52965.602	0.006	+0.017	5	KL	vis; elem. IBVS No. 5337
VV CVn	p	53094.5297	0.0013	-0.0146	26	EB1	CCD; elem. IBVS No. 5403
YZ CVn	p	53117.5662	0.0005	-0.0060	19	EB1	CCD
BI CVn	s	52321.607	0.003	+0.014	12	JVb	vis; elem. IBVS No. 4554
	s	52338.496	0.003	-0.002	13	JVb	vis
	p	52370.604	0.002	+0.025	14	JVb	vis
	p	53094.4474	0.0015	+0.0240	15	EB1	CCD
DF CVn	p	53068.3543	0.0018	+0.0226	17	EB1	CCD; elem. IBVS No. 5021
DH CVn	s	53068.4033	0.0009	-0.0051	17	EB1	CCD; elem. IBVS No. 5149
GSC2004:784 CVn	p	53045.468	0.003	-0.001	12	EB1	CCD; elem. IBVS No. 5269
GSC2533:1519 CVn	p	53045.4713	0.0011	+0.0034	16	EB1	CCD; elem. IBVS in preparation
	s	53060.4671	0.0020	+0.0041	29	EB1	CCD
	p	53060.706	0.003	-0.003	7	EB1	CCD
	p	53068.5685	0.0008	-0.0029	16	EB1	CCD
	p	53081.347	0.003	-0.001	7	EB1	CCD
	s	53094.3764	0.0019	+0.0053	18	EB1	CCD
	p	53094.6153	0.0012	-0.0015	17	EB1	CCD
	s	53117.4705	0.0014	+0.0026	24	EB1	CCD
GSC2534:216 CVn	s	53068.3536	0.0011	-0.0013	12	EB1	CCD; elem. IBVS No. 5403
	p	53068.478	0.002	0.000	11	EB1	CCD
GSC2534:1121 CVn	p	53045.4896	0.0015	-0.0013	15	EB1	CCD; elem IBVS in preparation
	s	53060.3985	0.0018	+0.0007	18	EB1	CCD
	p	53060.5698	0.0012	+0.0007	32	EB1	CCD
	p	53068.4488	0.0017	-0.0021	14	EB1	CCD
	p	53081.4698	0.0020	-0.0032	13	EB1	CCD
	s	53094.3252	0.0023	+0.0014	10	EB1	CCD
	p	53094.4965	0.0010	+0.0014	28	EB1	CCD
	p	53117.4565	0.0008	+0.0014	24	EB1	CCD
	s	53117.6272	0.0025	+0.0007	9	EB1	CCD
GSC2536:122 CVn	p	52856.397	0.007	-0.002	7	KL	vis; elem IBVS No. 5403
	p	53045.4972	0.0013	-0.0012	11	EB1	CCD
	p	53055.607	0.007	+0.008	8	KL	vis
	s	53060.508	0.007	0.000	6	KL	vis
	s	53079.575	0.005	-0.012	5	KL	vis
	p	53085.619	0.007	0.000	5	KL	vis
	s	53111.573	0.004	+0.002	5	KL	vis
	p	53112.554	0.002	+0.001	7	KL	vis
	s	53117.467	0.003	+0.004	5	KL	vis
	p	53117.604	0.002	+0.001	5	KL	vis
	p	53137.525	0.003	+0.002	6	KL	vis

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks	
GSC2537:520 CVn	s	53045.5866	0.0018	+0.0041	12	EB1	CCD; elem. IBVS in preparation	
	s	53060.4205	0.0010	-0.0035	23	EB1	CCD	
	p	53060.6083	0.0012	-0.0013	22	EB1	CCD	
	p	53068.402	0.006	+0.001	6	EB1	CCD	
	s	53068.5850	0.0006	-0.0019	14	EB1	CCD	
	p	53081.3868	0.0019	-0.0009	12	EB1	CCD	
	p	53094.3736	0.0013	-0.0005	19	EB1	CCD	
	s	53094.5600	0.0017	+0.0004	18	EB1	CCD	
	p	53117.3783	0.0014	-0.0002	14	EB1	CCD	
	s	53117.5665	0.0016	+0.0025	23	EB1	CCD	
GSC2544:1007 CVn	p	53045.4760	0.0009	-0.0018	16	EB1	CCD; elem. IBVS in preparation	
	s	53060.4579	0.0013	+0.0001	22	EB1	CCD	
	p	53060.6181	0.0020	+0.0027	18	EB1	CCD	
	p	53068.4984	0.0018	-0.0012	16	EB1	CCD	
	p	53081.4294	0.0019	-0.0003	16	EB1	CCD	
	p	53094.3569	0.0012	-0.0028	14	EB1	CCD	
	s	53094.5212	0.0021	+0.0038	17	EB1	CCD	
	p	53117.3811	0.0017	-0.0004	14	EB1	CCD	
	s	53117.5393	0.0011	+0.0001	20	EB1	CCD	
	GSC2548:936 CVn	p	52991.654	0.006	-0.001	6	KL	vis; elem. IBVS No. 5403
p		53035.726	0.004	+0.001	5	KL	vis	
s		53036.635	0.004	-0.002	6	KL	vis	
s		53045.5010	0.0017	-0.0027	13	EB1	CCD	
p		53055.548	0.005	+0.004	5	KL	vis	
s		53055.675	0.002	+0.001	6	KL	vis	
p		53060.500	0.002	+0.002	7	KL	vis	
p		53063.630	0.003	+0.004	6	KL	vis	
p		53079.532	0.002	-0.002	5	KL	vis	
p		53110.565	0.003	0.000	6	KL	vis	
p		53111.610	0.003	+0.002	6	KL	vis	
s		53112.522	0.004	+0.001	5	KL	vis	
p		53117.482	0.003	+0.006	6	KL	vis	
p		53117.605	0.003	-0.001	8	KL	vis	
p		53120.472	0.003	-0.002	5	KL	vis	
s		53121.388	0.004	+0.001	5	KL	vis	
p		53137.425	0.003	0.000	6	KL	vis	
p	53150.465	0.003	+0.002	6	KL	vis		
GSC3022:996 CVn	p	53045.4478	0.0004	-0.0020	13	EB1	CCD; elem. IBVS No. 5403	
GSC3026:1046 CVn	s	53045.360	0.004	+0.006	6	EB1	CCD; elem. IBVS No. 5269	
	p	53045.5332	0.0007	+0.0054	15	EB1	CCD	
RX CMa	p	52940.582	0.003	-0.119	7	KL	vis	
RY CMi	p	52991.641	0.008	-0.212	6	KL	vis; elem. IBVS No. 4874	
UZ CMi	s	49004.554	0.005	-0.028	16	JVb	vis; elem. 51925.4166 + 0.551361 * E (T. Pribulla)	
	p	50836.488	0.005	+0.009	13	JVb	vis	
	p	50862.405	0.007	+0.012	17	JVb	vis	
	p	51190.471	0.008	+0.019	11	JVb	vis	
	p	51248.358	0.004	+0.013	7	JVb	vis	
	p	52693.468	0.005	+0.006	51	Aps	CCD	
	s	53081.350	0.005	-0.005	126	APs	CCD	
	p	52912.620	0.004	+0.017	6	KL	vis	
	AO CMi	p	52282.372	0.002	-0.094	123	APs	CCD
	ZZ Cas	s	52981.394	0.002	+0.007	29	EB1	CCD
AB Cas	p	52863.582	0.002	+0.082	7	KL	vis	
AE Cas	p	52964.560	0.005	+0.076	5	KL	vis	

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
AH Cas	p	52964.572	0.006	-0.189	6	KL	vis
BH Cas	s	52964.264	0.004	+0.011	10	EBl	CCD; elem. IBVS No. 4482
BW Cas	p	52878.590	0.005	+0.008	10	KL	vis; elem. BBSAG Bull. 122, 8
CV Cas	p	52945.358	0.008	+0.537	7	KL	vis
CW Cas	p	52964.2691	0.0007	-0.0272	11	EBl	CCD; elem. JAAVSO 21, 34
	s	52981.3277	0.0014	-0.0278	21	EBl	CCD
DP Cas	s	52964.229	0.006	+0.076	10	EBl	CCD
DZ Cas	p	52991.301	0.002	-0.159	18	EBl	CCD
EY Cas	s	52964.280	0.002	-0.014	11	EBl	CCD
FV Cas	p	53052.369	0.008	+0.871	17	RD	CCD
IR Cas	p	52840.495	0.002	+0.012	6	KL	vis
KL Cas	p	52884.587	0.005	-0.010	6	KL	vis
LQ Cas	p	52981.380	0.002	-0.189	21	EBl	CCD
MM Cas	p	52981.3387	0.0004	+0.0734	20	EBl	CCD
MY Cas	p	52964.228	0.002	+0.026	12	EBl	CCD
NT Cas	p	52981.310	0.002	+0.033	21	EBl	CCD
V350 Cas	p	52908.593	0.004	-0.026	6	KL	vis
V387 Cas	p	52981.3892	0.0013	+0.0489	17	EBl	CCD
V448 Cas	p	52981.318	0.004	+0.081	15	EBl	CCD
V520 Cas	p	52991.3271	0.0010	+0.0551	16	EBl	CCD; elem. BBSAG Bull. 117, 9
V523 Cas	s	52844.482	0.003	+0.011	6	KL	vis; elem. MNRAS 317, 111
	p	52981.3138	0.0004	+0.0166	20	EBl	CCD
	s	52981.4311	0.0010	+0.0171	5	EBl	CCD
V651 Cas	p	52991.3173	0.0007	+0.0022	16	EBl	CCD; elem. IBVS No. 3554
GSC3667:826 Cas	p	53060.649	0.003	-0.009	8	KL	vis; elem. IBVS No. 5500
	p	53063.587	0.002	-0.012	8	KL	vis
	p	53112.611	0.001	-0.013	7	KL	vis
	p	53117.523	0.003	-0.004	10	KL	vis
	p	53120.452	0.005	-0.016	10	KL	vis
	p	53121.438	0.005	-0.011	6	KL	vis
	p	53165.550	0.002	-0.022	10	KL	vis
	p	53166.534	0.002	-0.018	11	KL	vis
WZ Cep	s	52991.3184	0.0011	-0.0401	18	EBl	CCD; elem. A&AS 131, 17
BE Cep	p	52986.3533	0.0010	-0.0864	21	EBl	CCD
BR Cep	p	52904.478	0.008	-0.007	8	KL	vis
CM Cep	p	52853.525	0.005	-0.025	6	KL	vis
DE Cep	p	52856.446	0.007	-0.018	6	KL	vis
	p	52986.353	0.003	-0.012	19	EBl	CCD
DK Cep	p	52986.3350	0.0005	+0.0354	22	EBl	CCD
	p	53182.529	0.002	+0.034	7	KL	vis
DP Cep	p	52877.437	0.007	-0.068	5	KL	vis
IO Cep	p	52862.589	0.003	0.000	7	KL	vis
IP Cep	p	52986.3640	0.0012	-0.0143	22	EBl	CCD; elem. IBVS No. 5016
LL Cep	p	52986.2651	0.0014	+0.0028	10	EBl	CCD
NU Cep	p	52986.3488	0.0009	+0.0156	27	EBl	CCD
V357 Cep	p	52908.321	0.006	-0.183	8	KL	vis; elem. Brno Contr. 28, 34
V358 Cep	p	52871.542	0.003	+0.031	6	KL	vis; elem. BBSAG Bull. 96, 10
SS Cet	p	52940.554	0.006	+0.012	6	KL	vis
TW Cet	s	52874.615	0.002	-0.027	6	KL	vis
VY Cet	s	52876.608	0.003	+0.005	7	KL	vis
AA Cet	p	52924.468	0.003	-0.020	6	KL	vis
GSC4686:2315 Cet	p	52908.515	0.004	+0.010	8	KL	vis; elem. IBVS No. 5257

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks
LL Com	p	53117.4049	0.0007	+0.1249	19	EBl	CCD; elem. IBVS No. 4386
LO Com	p	53068.4078	0.0013	+0.0053	15	EBl	CCD; elem. IBVS No. 5052
LP Com	s	53068.3127	0.0013	-0.0071	12	EBl	CCD; elem. IBVS No. 5052
	p	53068.4871	0.0008	-0.0017	12	EBl	CCD
GSC1996:437 Com	p	53068.331	0.007	-0.009	7	EBl	CCD; elem. IBVS No. 5269
	s	53068.5366	0.0011	-0.0095	23	EBl	CCD
TU CrB	p	53175.419	0.008	-0.540	5	KL	vis
GSC2040:1361 CrB	s	52835.3715	0.0008	-0.0016	16	EBl	CCD; elem. IBVS No. 5295
GSC2579:1125 CrB	p	52835.4036	0.0006	+0.0006	21	EBl	CCD; elem. IBVS No. 5295
W Crv	p	53052.498	0.002	+0.032	6	KL	vis
Z Crv	p	52734.42	0.01	-0.04	12	APs	CCD
V Crt	p	53040.596	0.005	-0.005	7	KL	vis
UW Cyg	p	52879.493	0.008	+0.029	6	KL	vis
WW Cyg	p	52829.518	0.002	+0.045	9	KL	vis
WZ Cyg	p	52844.486	0.003	+0.054	5	KL	vis
ZZ Cyg	p	52840.414	0.004	-0.047	6	KL	vis
BR Cyg	p	52855.600	0.003	0.000	8	KL	vis
DX Cyg	p	53149.449	0.004	-0.050	6	KL	vis
V525 Cyg	p	52908.334	0.004	-0.023	6	KL	vis
V706 Cyg	p	53179.484	0.003	-0.037	8	KL	vis
V726 Cyg	p	52850.531	0.006	+0.048	5	KL	vis
V728 Cyg	p	53164.492	0.008	+0.062	8	KL	vis
V1036 Cyg	p	52907.371	0.004	-0.002	10	JVb	vis; elem. IBVS No. 5204
V1048 Cyg	p	53163.429	0.002	+0.012	10	KL	vis
V1130 Cyg	p	53173.550	0.002	-0.030	11	KL	vis
V2239 Cyg	p	52146.545	0.004	-0.042	7	JVb	vis; elem. IBVS No. 4819
	p	52886.461	0.002	-0.064	9	JVb	vis
V2280 Cyg	s	52820.4681	0.0006	+0.0203	29	EBl	CCD; elem. IBVS No. 4996
	s	53082.638	0.007	-0.001		KL	vis
V2282 Cyg	p	52820.4998	0.0007	-0.0169	22	EBl	CCD; elem. IBVS No. 4996
V2284 Cyg	s	52820.5073	0.0002	-0.0006	20	EBl	CCD; elem. IBVS No. 4985
V2290 Cyg	p	52840.458	0.005	-0.019	6	KL	vis; elem. IBVS No. 5018
V2294 Cyg	s	52820.4443	0.0004	+0.0532	19	EBl	CCD; elem. IBVS No. 4995; period corrected: 0.3543005
W Del	p	52873.486	0.002	+0.022	10	KL	vis
TT Del	p	52941.287	0.008	-0.087	9	KL	vis
XX Del	p	52875.495	0.010	-0.332	19	APs	CCD
EX Del	p	52875.402	0.005	+0.004	34	APs	CCD; elem. BBSAG Bull. 114, 11
FZ Del	p	52855.588	0.002	-0.039	9	KL	vis
Z Dra	p	52867.393	0.006	-0.147	5	KL	vis
RR Dra	p	52858.499	0.002	+0.059	8	KL	vis
SX Dra	p	53121.521	0.008	+0.083	8	KL	vis
WX Dra	p	53137.480	0.006	+0.010	11	KL	vis
AI Dra	p	52823.449	0.006	+0.047	9	CPa	vis
AR Dra	p	52879.422	0.003	+0.006	7	KL	vis
AU Dra	p	53107.556	0.003	-0.005	7	KL	vis; elem. IBVS No. 4587
BU Dra	p	53144.546	0.009	+0.039	12	KL	vis
DW Dra	p	52908.412	0.002	+0.020	6	KL	vis; elem. BBSAG Bull. 118, 7
IV Dra	p	52831.4403	0.0006	-0.0063	14	EBl	CCD; elem. INVS No. 4610; period corrected: 0.268105
KK Dra	p	52850.452	0.003	+0.012	7	KL	vis; elem. JAAVSO 28, 91
GSC3533:1400 Dra	s	52859.577	0.005		13	EBl	CCD; elem. to be determined
GSC3549:929 Dra	p	52424.495	0.002	+0.004	9	JVb	vis; elem. IBVS No. 5232

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
GSC3888:464 Dra	p	52752.5207	0.0008	-0.0021	16	EB1	CCD; elem. IBVS No. 5505
	p	52753.4695	0.0015	-0.0040	25	EB1	CCD
	s	52753.6316	0.0016	-0.0004	12	EB1	CCD
	s	52802.4356	0.0015	+0.0004	14	EB1	CCD
	s	52807.5013	0.0013	-0.0044	30	EB1	CCD
	p	52831.4315	0.0012	-0.0004	22	EB1	CCD
	s	52854.4050	0.0005	-0.0024	23	EB1	CCD
	p	52854.5657	0.0015	-0.0002	24	EB1	CCD
	s	52859.4743	0.0007	-0.0036	11	EB1	CCD
ZZ Eri	p	52693.320	0.005	-0.007	16	APs	CCD
	s	52938.552	0.007	-0.018	41	APs	CCD
RW Gem	p	53052.543	0.003	+0.003	7	KL	vis
TX Gem	p	53028.563	0.003	-0.015	6	KL	vis
AF Gem	p	52978.628	0.003	-0.057	6	KL	vis
BD Gem	p	52997.598	0.005	-0.022	6	KL	vis
SZ Her	p	52832.525	0.002	-0.024	10	KL	vis
TU Her	p	52875.422	0.005	-0.138	8	KL	vis
CC Her	p	53096.625	0.001	+0.142	11	KL	vis
DP Her	p	52853.430	0.004	+0.069	7	KL	vis
DQ Her	p	53149.502	0.001	+0.004	7	KL	vis
GL Her	p	53140.544	0.003	+0.061	6	KL	vis
MT Her	p	52829.484	0.007	+0.012	6	KL	vis
V366 Her	p	52840.394	0.003	-0.086	6	KL	vis
V842 Her	p	51722.475	0.005	+0.033	14	JVb	vis; elem. IBVS No. 3946
	p	52215.280	0.005	+0.058	9	JVb	vis
	s	52321.498	0.004	+0.052	13	JVb	vis
V1034 Her	p	53149.585	0.004	+0.005	5	KL	vis; elem. IBVS No. 5231
V1044 Her	s	52875.387	0.004	+0.009	6	KL	vis; elem. IBVS No. 5192
	s	53096.5234	0.0015	-0.0035	9	EB1	CCD
V1047 Her	p	53096.5125	0.0021	-0.0026	11	EB1	CCD; elem. IBVS No. 5192
V1053 Her	p	52850.432	0.003	+0.008	6	KL	vis; elem. BBSAG Bull. 128, 10
	p	53096.4892	0.0019	+0.0001	10	EB1	CCD
V1055 Her	s	53096.423	0.004	-0.007	8	EB1	CCD; elem. IBVS No. 5192
V1062 Her	p	53096.4300	0.0016	-0.0060	10	EB1	CCD; elem. IBVS No. 4965
	s	53096.555	0.006	-0.007	6	EB1	CCD
V1065 Her	p	52442.481	0.003	-0.006	8	JVb	vis; elem. IBVS No. 5228
V1067 Her	s	53096.460	0.003	+0.005	9	EB1	CCD; elem. IBVS No. 4966
V1073 Her	s	53096.5255	0.0009	+0.0029	10	EB1	CCD; elem. IBVS No. 4975
GSC1537:1557 Her	s	52753.4336	0.0010	+0.0002	18	EB1	CCD; elem. IBVS No. 5505
	p	52753.5923	0.0006	-0.0003	22	EB1	CCD
	s	52802.4474	0.0006	-0.0004	25	EB1	CCD
	p	52812.4734	0.0006	-0.0001	32	EB1	CCD
	s	52815.4974	0.0008	+0.0003	30	EB1	CCD
	p	52856.3962	0.0006	+0.0008	18	EB1	CCD
	s	52856.5543	0.0006	-0.0002	18	EB1	CCD
	p	52898.4072	0.0008	-0.0005	17	EB1	CCD
	GSC1549:121 Her	p	52752.5028	0.0010	-0.0008	16	EB1
s		52753.4969	0.0006	-0.0009	37	EB1	CCD
s		52802.4135	0.0014	-0.0007	17	EB1	CCD
p		52812.5538	0.0003	-0.0017	27	EB1	CCD
s		52815.5392	0.0007	+0.0010	27	EB1	CCD
s		52835.426	0.002	+0.003	10	EB1	CCD
s		52856.5016	0.0006	+0.0009	25	EB1	CCD
p		52871.4141	0.0007	-0.0002	20	EB1	CCD
p		52875.3910	0.0007	-0.0002	17	EB1	CCD

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks	
GSC2056:117 Her	p	52850.426	0.003		6	KL	vis	
	p	52867.360	0.006		6	KL	vis	
	p	53035.725	0.005		5	KL	vis	
	p	53079.604	0.004		8	KL	vis	
	s	53082.630	0.003		6	KL	vis	
	p	53095.629	0.002		6	KL	vis	
	s	53112.569	0.003		6	KL	vis	
	s	53117.554	0.004		5	KL	vis	
	s	53137.524	0.002		6	KL	vis	
	p	53150.532	0.002		6	KL	vis	
GSC2083:1870 Her	s	53096.5127	0.0011	-0.0002	11	EBl	CCD; elem. IBVS No. 5306	
GSC2613:1412 Her	s	53096.507	0.003	+0.007	11	EBl	CCD; elem. IBVS No. 5306	
GSC2614:1369 Her	s	52871.3707	0.0005	+0.0005	14	EBl	CCD; elem. IBVS No. 5516	
	p	52871.5390	0.0004	+0.0015	16	EBl	CCD	
	s	52875.3868	0.0007	+0.0001	19	EBl	CCD	
	s	52886.4318	0.0007	-0.0004	17	EBl	CCD	
	p	52898.3170	0.0016	+0.0026	15	EBl	CCD	
	s	52898.4811	0.0008	-0.0007	20	EBl	CCD	
	p	52899.318	0.004	-0.001	10	EBl	CCD	
	p	52907.3516	0.0010	0.0000	16	EBl	CCD	
	p	52924.424	0.004	+0.002	9	EBl	CCD	
	s	52926.2598	0.0011	-0.0030	10	EBl	CCD	
	s	52928.2711	0.0011	+0.0001	7	EBl	CCD	
	s	53143.4896	0.0023	-0.0006	11	EBl	CCD	
	GSC2615:1821 Her	p	52871.350	0.002	0.000	13	EBl	CCD; elem. IBVS No. 5516
		s	52871.5209	0.0003	+0.0008	20	EBl	CCD
		p	52875.4319	0.0006	+0.0007	21	EBl	CCD
p		52886.3144	0.0008	+0.0003	12	EBl	CCD	
s		52886.4839	0.0011	-0.0002	15	EBl	CCD	
s		52898.3874	0.0005	0.0000	20	EBl	CCD	
s		52899.4069	0.0012	-0.0007	16	EBl	CCD	
p		52907.4008	0.0015	+0.0010	14	EBl	CCD	
p		52924.4035	0.0012	-0.0009	12	EBl	CCD	
s		52926.2737	0.0013	-0.0012	14	EBl	CCD	
s		52928.316	0.002	0.000	12	EBl	CCD	
p		53143.4254	0.0006	+0.0018	11	EBl	CCD	
GSC2618:1385 Her		p	52871.3752	0.0007	-0.0007	15	EBl	CCD; elem. IBVS No. 5516
	s	52871.5447	0.0011	+0.0002	16	EBl	CCD	
	p	52875.4215	0.0007	-0.0002	20	EBl	CCD	
	s	52886.3799	0.0005	+0.0010	14	EBl	CCD	
	p	52898.3467	0.0011	-0.0009	15	EBl	CCD	
	s	52898.5173	0.0009	+0.0011	13	EBl	CCD	
	p	52899.3591	0.0004	0.0000	18	EBl	CCD	
	s	52907.283	0.002	+0.001	6	EBl	CCD	
	p	52924.3074	0.0016	-0.0004	9	EBl	CCD	
	p	52926.3303	0.0019	-0.0004	13	EBl	CCD	
	p	52928.3537	0.0003	+0.0001	13	EBl	CCD	
	s	53107.543	0.002	-0.003	8	KL	vis	
	s	53110.577	0.002	-0.003	7	KL	vis	
	s	53111.584	0.003	-0.009	8	KL	vis	
	s	53112.604	0.002	0.000	7	KL	vis	
	p	53117.496	0.003	+0.004	5	KL	vis	
	p	53120.531	0.001	+0.004	6	KL	vis	
s	53137.551	0.004	-0.002	5	KL	vis		
p	53143.4509	0.0015	-0.0018	12	EBl	CCD		
GSC2629:1932 Her	p	53143.4556	0.0006	-0.0004	11	EBl	CCD; elem. IBVS No. 5333	

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
GSC3098:683 Her	p	53096.381	0.002	-0.001	11	EBl	CCD; elem. IBVS No. 5306
GSC3098:1253 Her	p	53096.421	0.003	+0.001	8	EBl	CCD; elem. IBVS No. 5306
	s	53096.5463	0.0006	+0.0054	8	EBl	CCD
GSC3510:1283 Her	p	52871.3771	0.0009	+0.0015	15	EBl	CCD; elem. IBVS No. 5516
	s	52871.5177	0.0018	-0.0001	15	EBl	CCD
	s	52875.4151	0.0012	+0.0004	24	EBl	CCD
	p	52886.4074	0.0013	-0.0021	16	EBl	CCD
	p	52898.3778	0.0013	-0.0008	17	EBl	CCD
	s	52898.5178	0.0013	0.0000	13	EBl	CCD
	s	52899.3533	0.0013	+0.0005	11	EBl	CCD
	p	52907.2856	0.0018	-0.0002	8	EBl	CCD
	s	52907.426	0.002	+0.001	8	EBl	CCD
	s	52924.4056	0.0008	+0.0012	10	EBl	CCD
	s	52926.353	0.004	0.000	9	EBl	CCD
	s	52928.3021	0.0011	+0.0008	11	EBl	CCD
	s	53143.4620	0.0022	-0.0042	11	EBl	CCD
GSC3528:44 Her	s	53143.5091	0.0015	+0.0003	10	EBl	CCD; elem. IBVS No. 5333
GSC3532:174 Her	p	52840.446	0.005	+0.003	6	KL	vis; elem. IBVS No. 5333
	p	52850.457	0.004	-0.012	6	KL	vis
	p	53080.626	0.004	+0.001	5	KL	vis
	p	53085.636	0.007	-0.002	7	KL	vis
	p	53117.545	0.004	+0.005	5	KL	vis
	p	53120.514	0.003	+0.011	6	KL	vis
	s	53121.504	0.004	-0.016	5	KL	vis
	s	53143.4042	0.0004	-0.0001	8	EBl	CCD
	p	53143.516	0.004	-0.002	6	EBl	CCD
GSC3532:939 Her	s	52856.357	0.008	+0.001	6	KL	vis; elem. IBVS No. 5333
	p	52856.515	0.009	+0.004	6	KL	vis
	s	53143.4280	0.0023	+0.0058	10	EBl	CCD
VW Hya	p	52997.584	0.007	+0.209	8	KL	vis
AS Hya	p	52965.637	0.005	-0.043	5	KL	vis; elem. BBSAG Bull. 83, 5
DE Hya	p	52938.650	0.008	+0.046	8	KL	vis
DG Lac	p	52834.427	0.009	-0.213	5	KL	vis
OO Lac	p	52856.594	0.005	+0.134	7	KL	vis
Y Leo	p	52998.640	0.004	+0.022	6	KL	vis
BL Leo	p	52978.646	0.004	-0.031	4	KL	vis
GSC263:256 Leo	p	52964.712	0.004	+0.002	6	KL	vis; elem. IBVS No. 5455
	p	52997.739	0.004	0.000	6	KL	vis
	p	53048.525	0.007	-0.003	5	KL	vis
	p	53052.583	0.002	+0.004	7	KL	vis
	p	53063.490	0.002	+0.005	8	KL	vis
	p	53079.373	0.002	-0.002	8	KL	vis
	p	53080.629	0.004	+0.008	5	KL	vis
	p	53092.462	0.003	0.000	7	KL	vis
	p	53093.393	0.001	-0.004	10	KL	vis
	p	53110.534	0.002	0.000	6	KL	vis
	p	53116.454	0.002	0.000	10	KL	vis
	p	53150.415	0.003	-0.003	5	KL	vis
Z Lep	p	52962.620	0.003	+0.039	6	KL	vis; elem. JAAVSO 21, 111
RS Lep	p	53010.514	0.002	+0.002	6	KL	vis
TY Lib	p	53093.590	0.004	-0.009	7	KL	vis
BW Lib	p	53060.630	0.004	-0.008	7	KL	vis; elem. IBVS No. 5335
Δ Lib	p	52819.364	0.010	-0.008	19	APs	CCD
RY Lyn	p	53028.465	0.005	-0.038	7	KL	vis
BG Lyn	p	52284.462	0.006	-0.024	14	JVb	vis; elem. GEOS Circ. EB 16
	p	52308.436	0.002	-0.046	13	JVb	vis
RV Lyr	p	52886.382	0.007	-0.106	6	KL	vis

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks
UZ Lyr	p	53142.500	0.005	-0.023	10	KL	vis
AH Lyr	p	53121.450	0.005	-0.090	6	KL	vis
EW Lyr	p	52850.564	0.005	+0.235	6	KL	vis
V400 Lyr	p	53151.3721	0.0022	-0.0178	13	EBl	CCD; elem. IBVS No. 4995
V404 Lyr	p	53111.560	0.003	-0.076	8	KL	vis
V574 Lyr	s	53151.4644	0.0015	-0.0035	12	EBl	CCD; elem. IBVS No. 4976
V579 Lyr	s	53151.4236	0.0007	-0.0037	12	EBl	CCD; elem. IBVS No. 4982
V580 Lyr	p	53151.4639	0.0018	-0.0083	13	EBl	CCD; elem. IBVS No. 4982
V582 Lyr	s	52879.373	0.005	+0.004	6	KL	vis; elem. IBVS No. 4985
	s	53151.4163	0.0008	+0.0254	16	EBl	CCD
GSC3104:1384 Lyr	p	53151.4322	0.0010	+0.0014	10	EBl	CCD; elem. IBVS No. 5232
GSC3108:57 Lyr	p	52886.3874	0.0016	+0.0008	14	EBl	CCD; elem. IBVS No. 5525
	s	52899.4771	0.0010	-0.0002	6	EBl	CCD
	p	52907.4058	0.0017	+0.0003	12	EBl	CCD
	p	52924.3685	0.0011	+0.0004	14	EBl	CCD
	s	52946.3086	0.0012	-0.0003	24	EBl	CCD
	p	52948.3374	0.0007	+0.0004	23	EBl	CCD
	p	52951.2865	0.0003	-0.0006	10	EBl	CCD
	p	53150.4144	0.0005	+0.0009	14	EBl	CCD
GSC3109:859 Lyr	p	52886.3474	0.0012	+0.0006	12	EBl	CCD; elem. IBVS No. 5525
	p	52899.473	0.002	-0.001	7	EBl	CCD
	p	52924.3215	0.0013	+0.0006	17	EBl	CCD
	s	52928.3054	0.0006	-0.0004	16	EBl	CCD
	p	52946.3548	0.0008	-0.0004	20	EBl	CCD
	p	52948.2309	0.0007	+0.0004	15	EBl	CCD
	s	52951.2780	0.0005	+0.0002	22	EBl	CCD
	s	53150.5253	0.0007	+0.0007	19	EBl	CCD
GSC3526:1995 Lyr	s	52886.3627	0.0015	+0.0016	10	EBl	CCD; elem. IBVS No. 5525
	p	52886.510	0.004	+0.003	7	EBl	CCD
	p	52899.365	0.002	-0.002	15	EBl	CCD
	s	52907.4029	0.0010	-0.0007	11	EBl	CCD
	s	52924.358	0.002	+0.003	10	EBl	CCD
	p	52926.257	0.002	+0.003	6	EBl	CCD
	p	52928.300	0.003	0.000	12	EBl	CCD
	s	52946.2714	0.0011	-0.0026	14	EBl	CCD
	s	52948.3175	0.0019	-0.0022	16	EBl	CCD
	s	52951.2405	0.0007	-0.0018	11	EBl	CCD
	p	53150.4161	0.0013	0.0000	14	EBl	CCD
	s	53150.462	0.003	0.000	11	EBl	CCD
GSC3526:2369 Lyr	p	52886.3638	0.0008	+0.0003	12	EBl	CCD; elem. IBVS No. 5525
	s	52899.411	0.002	+0.002	15	EBl	CCD
	s	52907.3374	0.0005	+0.0025	14	EBl	CCD
	p	52924.3430	0.0011	-0.0002	13	EBl	CCD
	p	52926.3258	0.0011	+0.0010	13	EBl	CCD
	p	52928.3073	0.0012	+0.0009	13	EBl	CCD
	s	52946.3040	0.0013	-0.0015	23	EBl	CCD
	s	52948.2845	0.0008	-0.0025	27	EBl	CCD
	p	52948.4519	0.0015	-0.0003	8	EBl	CCD
	s	52951.2573	0.0012	-0.0021	21	EBl	CCD
	s	53150.4065	0.0003	+0.0010	14	EBl	CCD
	p	53150.5766	0.0014	+0.0059	10	EBl	CCD
GSC3540:85 Lyr	p	53151.4794	0.0022	+0.0031	13	EBl	CCD; elem. IBVS No. 5232

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks
RW Mon	p	52962.448	0.005	-0.048	6	KL	vis
TV Mon	p	52990.425	0.006	+0.031	6	KL	vis
UU Mon	p	52940.537	0.004	+0.006	6	KL	vis
BM Mon	p	52940.653	0.006	+0.035	6	KL	vis
BO Mon	p	52924.669	0.005	-0.056	8	KL	vis
BZ Mon	p	52964.581	0.008	-0.139	5	KL	vis
U Oph	p	52848.406	0.004	+0.001	9	CPa	vis
RV Oph	p	53151.452	0.004	-0.007	6	KL	vis
UU Oph	p	52816.331	0.001	-0.039	353	RDr	CCD
V391 Oph	p	53171.523	0.004	+0.039	7	KL	vis
V415 Oph		52825.510	0.008		82	APs	CCD; no elem. in the GCVS
V449 Oph	p	53120.564	0.003	+0.065	10	KL	vis
V508 Oph	s	52829.502	0.004	-0.003	6	KL	vis
V509 Oph	p	52817.5455	0.0010	+0.0392	190	RDr, APs	CCD
V566 Oph	s	52854.390	0.005	+0.083	47	APs	CCD
V913 Oph	p	53095.618	0.004	+0.173	7	KL	vis
V916 Oph	p	52839.533	0.009	+0.232	8	KL	vis
V1010 Oph	p	52810.420	0.015	-0.101	8	CPa	vis
V1016 Oph	s	52817.313	0.002	-0.073	270	APs	CCD
	s	52828.307	0.003	-0.072	99	APs	CCD
GSC995:1646 Oph	s	52753.4554	0.0018	-0.0008	25	EBI	CCD; elem. IBVS No. 5505
	p	52815.4806	0.0019	-0.0014	31	EBI	CCD
	p	52835.4917	0.0019	+0.0013	19	EBI	CCD
	p	52856.3888	0.0012	+0.0008	17	EBI	CCD
UW Ori	p	53052.305	0.004	+0.034	13	RD	CCD; elem. Chin. AA 14, 298
EQ Ori	p	52997.282	0.004	-0.027	6	KL	vis
FK Ori	p	52878.585	0.008	+0.006	8	KL	vis
OS Ori	p	53030.288	0.006	-0.026	6	KL	vis
V640 Ori	p	52903.622	0.002	-0.110	10	KL	vis
Z Per	p	52896.405	0.008	-0.174	5	KL	vis
TY Peg	p	52885.369	0.003	-0.232	5	KL	vis
BX Peg	s	52887.515	0.005	+0.075	44	APs	CCD
CW Peg	p	52926.313	0.003	+0.057	6	KL	vis
EY Peg	p	52886.461	0.009	+0.021	6	KL	vis; elem. BBSAG Bull. 105, 8
	p	52938.371	0.005	+0.002	31	APs	CCD
RT Per	p	52854.560	0.003	+0.04	7	KL	vis
RV Per	p	52938.623	0.004	-0.004	6	KL	vis
ST Per	p	52860.539	0.005	+0.183	7	KL	vis
WY Per	p	52879.524	0.009	-0.079	7	KL	vis
XZ Per	p	52902.454	0.002	-0.055	8	KL	vis
DK Per	p	52900.472	0.002	-0.029	10	KL	vis; elem. IBVS No. 3875
HW Per	p	53048.470	0.002	+0.003	6	KL	vis; elem. IBVS No. 4516
KW Per	p	52900.561	0.002	+0.011	7	KL	vis
PS Per	p	52885.446	0.002	+0.056	6	KL	vis
Y Psc	p	52899.410	0.008	+0.004	7	KL	vis
SX Psc	p	52854.539	0.008	+0.006	7	KL	vis
XZ Pup	p	52946.600	0.002	+0.101	6	KL	vis
UZ Sge	p	52856.529	0.002	+0.047	6	KL	vis
GSC1621:2192 Sge	p	52829.536	0.003	-0.011	6	KL	vis; elem. BBSAG Bull. 128,10
	p	52839.512	0.004	-0.001	7	KL	vis
	p	52877.532	0.005	-0.002	6	KL	vis
	p	52886.393	0.004	0.000	6	KL	vis
	p	52903.364	0.004	-0.009	6	KL	vis
	s	52945.261	0.003	-0.008	6	KL	vis
	p	52967.232	0.003	-0.001	6	KL	vis
	s	53003.224	0.004	+0.001	6	KL	vis
	p	53094.578	0.003	-0.005	6	KL	vis
	p	53121.532	0.004	+0.002	6	KL	vis

Table 1: Eclipsing binaries (cont.)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
XY Sgr	p	53094.614	0.004	-0.001	10	KL	vis
AK Ser	p	53080.646	0.003	+0.025	6	KL	vis
AO Ser	p	53052.623	0.003	-0.001	6	KL	vis
AU Ser	p	53040.659	0.004	-0.087	6	KL	vis
BI Ser	p	52733.574	0.004	-0.580	11	JVb	vis
CX Ser	s	53050.611	0.007	-0.079	160	APs	CCS
LX Ser	p	53149.402	0.001	+0.004	7	KL	vis
RW Tau	p	52913.449	0.007	-0.185	7	KL	vis
SV Tau	p	53050.455	0.010	-0.010	328	APs	CCD
AH Tau	p	52876.595	0.005	-0.105	6	KL	vis
AM Tau	p	52897.637	0.004	-0.063	7	KL	vis
BN Tau	p	53030.372	0.007	-0.016	5	KL	vis
V Tri	p	52858.534	0.005	-0.003	7	KL	vis
RV Tri	p	52873.567	0.005	-0.018	8	KL	vis
RW Tri	p	52908.336	0.002	-0.004	5	KL	vis
TY Tri	p	51138.406	0.011	-0.164	13	JVb	vis; elem. MVS 11, 1
	p	51432.550	0.007	-0.172	8	JVb	vis
UX UMa	p	52997.586	0.001	+0.004	5	KL	vis
VV UMa	p	53099.453	0.003	-0.049	10	KL	vis
XZ UMa	p	53030.464	0.003	-0.066	8	KL	vis
ZZ UMa	p	52901.626	0.003	-0.003	10	KL	vis
AC UMa	p	52913.564	0.007	-0.131	5	KL	vis
HH UMa	p	52754.4057	0.0008	+0.0003	-	MMa	CCDV; elem. IBVS No. 5414
LO UMa	p	53049.547	0.009	+0.099	6	KL	vis; elem. IBVS No. 5084
UW Vir	p	53060.635	0.004	-0.041	8	KL	vis
VV Vir	p	53063.551	0.003	-0.028	7	KL	vis
AX Vir	p	53099.552	0.003	+0.008	10	KL	vis
HW Vir	p	52997.630	0.001	+0.001	5	KL	vis; elem. AA 364, 199
GSC2850:1075 Vir	p	52722.577	0.004	-0.052	41	APs	CCD; elem. ASAS
	s	53081.498	0.002	-0.063	43	APs	CCD
RS Vul	p	52823.411	0.002	-0.002	11	CPa	vis
AX Vul	p	52853.501	0.003	-0.026	7	KL	vis
AY Vul	p	52875.486	0.004	-0.066	6	KL	vis
BE Vul	p	52833.534	0.004	+0.048	10	KL	vis
BO Vul	p	52885.404	0.007	-0.007	6	KL	vis
BT Vul	p	52530.454	0.008	+0.003	11	JVb	vis

Observers

EBI :	E. Blättler	Wald, Switzerland
RD :	R. Diethelm	Rodersdorf, Switzerland
RDr :	R. Dreveny	Znojmo, Czech Republic
FH :	F. Hund	Hakos Farm, Namibia
KL :	K. Locher	Grüt, Switzerland
MMa:	M. Martignoni	Magnago, Italy
CPa:	C. Pampaloni	Firenze, Italy
APs :	A. Paschke	Rüti, Switzerland
KT :	K. Tikkanen	Oulu, Finland
JVb:	J. Vandenbroere	Heure, Belgium

Reference:

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ERRATUM FOR IBVS 5438, 5543, 5713

As Dr. Samus reported, the star erroneously labelled GSC 02850-01075 is really GSC 00285-01075.

The Editors