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**162-ND LIST OF MINIMA TIMINGS OF ECLIPSING BINARIES BY
BBSAG OBSERVERS**

(BBSAG Bulletin No. 129)

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The following Table 1 lists 508 timings of minima of eclipsing binaries secured both by photoelectric as well as by visual means by BBSAG observers, primarily obtained between September 2002 and June 2003. 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.

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
TT And	p	52531.5268	.0.0009	-0.0657	22	RD	CCD
UU And	p	52555.342	0.005	+0.048	5	KL	vis
WX And	p	52616.404	0.004	+0.083	37	APs	CCD
XZ And	p	52530.376	.0.003	+0.127	6	KL	vis
AS And	p	52548.5944	0.0020		20	RD	CCD; GCVS elem. erroneous
EP And	s	52535.372	0.003	-0.004	5	KL	vis; elem. IBVS No. 5184
FL And	p	52548.605	0.002	+0.059	11	RD	CCD
KN And	p	52547.5002	0.0007	+0.0045	20	RD	CCD; elem. BAV M. 36, 11
AT Aqr	s	52820.542	0.008	-0.001	5	KL	vis
CX Aqr	p	52568.260	0.003	+0.001	6	KL	vis
CZ Aqr	p	52530.443	0.003	-0.022	6	KL	vis
GK Aqr	s	52530.400	0.006	-0.036	5	KL	vis; elem. Per. Zv. 22, 327
XZ Aql	p	52800.581	0.005	+0.132	7	KL	vis
OO Aql	p	52548.408	0.004	+0.023	38	APs	CCD
	p	52576.2796	0.0010	+0.0212	21	EBl	CCD
OP Aql	p	52548.353	0.005	-0.066	22	APs	CCD
V343 Aql	p	52576.3174	0.0006	-0.0406	21	EBl	CCD
V417 Aql	s	52504.378	0.004	-0.010	18	APs	CCD; elem. AJ 113, 401
V479 Aql	p	52820.446	0.004	-0.013	9	KL	vis
V760 Aql	p	52576.2785	0.0009	-0.0181	16	EBl	CCD
	p	52576.284	0.005	-0.013	6	KL	vis
V803 Aql	p	52820.516	0.005	-0.043	6	KL	vis
V917 Aql	p	52576.2948	0.0017	+0.0944	17	EBl	CCD
V1096 Aql	p	52576.2861	0.0012	+0.2387	20	EBl	CCD
RZ Aur	p	52635.415	0.006	-0.126	6	KL	vis

Table 1. (continue)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
TT Aur	p	52685.468	0.004	-0.005	72	APs	CCD
WW Aur	p	47618.441	0.007	+0.015	15	MMa	vis
	p	52706.337	0.010	-0.003	6	CPa	vis
ZZ Aur	p	52622.3237	0.0003	+0.0121	21	EBI	CCD
CL Aur	p	52689.310	0.003	+0.115	6	KL	vis
EM Aur	s	52658.324	0.005	-0.174	13	RD	CCD
IM Aur	p	49800.380	0.007	-0.038	21	MMa	vis
KU Aur	p	52576.636	0.005	+0.042	6	KL	vis
TU Boo	s	52618.695	0.004	+0.008	6	KL	vis; elem. A&AS 117, 105
XY Boo	p	52720.593	0.005	-0.015	7	RD	CCD; elem. AJ 76, 923
	s	52723.3732	0.0019	-0.0139	10	EBI	CCD
AQ Boo	p	52723.4063	0.0009	-0.0058	13	EBI	CCD; elem. IBVS No. 4871
AR Boo	s	52723.3454	0.0009	+0.0114	14	EBI	CCD; elem. IBVS No. 4601
	p	52723.5173	0.0007	+0.0110	14	EBI	CCD
EF Boo	p	52473.4921	0.0001	-0.0863	-	CY, SO	CCD; elem. IBVS No. 4811
	s	52474.5402	0.0002	-0.0897	-	CY	CCD
GSC2001:300 Boo	-	52691.419	0.004	+0.001	8	EBI	CCD; elem. IBVS No. 5269; min. asym.; pulsator
	-	52691.604	0.002	+0.0009	13	EBI	CCD
GM Boo	p	52763.3562		+0.0067	14	EBI	CCD; elem. IBVS No. 5125
GN Boo	p	52763.3901	0.0009	+0.0049	19	EBI	CCD; elem. IBVS No. 5125
GQ Boo	p	52763.347	0.003	+0.001	12	EBI	CCD; elem. IBVS No. 5125
GR Boo	p	52763.4844	0.0006	+0.0003	22	EBI	CCD; elem. IBVS No. 5125
Y Cam	p	52647.649	0.008	+0.242	5	KL	vis
WW Cam	p	52658.5464	0.0008	-0.0207	19	RD	CCD
AZ Cam	s	52658.4814	0.0012	+0.0244	26	RD	CCD
	p	52722.4623	0.0008	+0.0228	31	RD	CCD
CD Cam	p?	52658.425	0.002	-0.114	10	RD	CCD; elem. IBVS No. 3753
HW Cam	p	52722.4771	0.0011	+0.0292	16	RD	CCD; elem. IBVS No. 4526
TU Cnc	p	52667.474	0.007	-0.070	8	KL	vis
TX Cnc	s	52691.2952	0.0014	+0.0348	14	EBI	CCD
WW Cnc	p	52691.2765	0.0006	-0.4550	16	EBI	CCD
AB Cnc	p	52691.525	0.005	+0.006	8	KL	vis
AD Cnc	p	52691.294	0.002	-0.010	14	EBI	CCD
EH Cnc	s	52722.4539	0.0012	+0.0433	17	RD	CCD; elem. IBVS No. 2755
GQ Cnc	p	52691.2705	0.0006	-	16	EBI	CCD; period in need of correction
VV CVn	s	52601.664	0.003	+0.219	19	EBI	CCD
	s	52655.504	0.007	+0.213	10	EBI	CCD
	p	52691.490	0.003	+0.213	13	EBI	CCD
	s	52694.424	0.005	+0.215	14	EBI	CCD
BI CVn	p	52694.4851	0.0003	+0.0200	17	EBI	CCD; elem. IBVS No. 4554
DF CVn	p	52655.486	0.004	+0.016	9	EBI	CCD; elem. IBVS No. 5021
GSC2004:784 CVn	p	52655.489	0.002	+0.003	10	EBI	CCD; elem. IBVS No. 5269
DH CVn	p	52691.4376	0.0012	-0.0058	9	EBI	CCD; elem. IBVS No. 5149
	s	52691.625	0.003	-0.001	14	EBI	CCD
GSC2534:216 CVn	p	52601.6656	0.0010	-0.0002	20	EBI	CCD; elem. IBVS No. 5403
	p	52691.4366	0.0014	-0.0008	9	EBI	CCD
	s	52691.5599	0.0010	-0.0004	12	EBI	CCD
	p	52691.6833	0.0004	0.0000	18	EBI	CCD
	p	52694.3889	0.0007	+0.0002	20	EBI	CCD
	s	52694.5117	0.0008	0.0000	19	EBI	CCD
	p	52694.6339	0.0008	-0.0008	25	EBI	CCD
	s	52721.3208	0.0012	+0.0006	14	EBI	CCD
	p	52723.4119	0.0009	+0.0011	16	EBI	CCD
	s	52723.5335	0.0011	-0.0003	18	EBI	CCD

Table 1. (continue)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks	
GSC2536:122 CVn	p	52601.6482	0.0017	+0.0004	16	EB1	CCD; elem. IBVS No. 5403	
	p	52655.511	0.003	-0.005	9	EB1	CCD	
	p	52691.429	0.004	+0.001	9	EB1	CCD	
	s	52691.5658	0.0016	-0.0024	12	EB1	CCD	
	p	52691.7060	0.0013	-0.0025	17	EB1	CCD	
	s	52694.3743	0.0011	+0.0005	15	EB1	CCD	
	p	52694.5153	0.0006	+0.0012	21	EB1	CCD	
	s	52694.6550	0.0004	+0.0006	21	EB1	CCD	
	s	52721.3130	0.0014	+0.0051	14	EB1	CCD	
	p	52723.4122	0.0020	+0.0001	13	EB1	CCD	
	s	52723.5523	0.0005	-0.0001	17	EB1	CCD	
	GSC2548:936 CVn		52655.5242	0.0010	-0.0010	7	EB1	CCD; elem. IBVS No. 5403
		p	52691.5112	0.0016	0.0000	12	EB1	CCD
s		52691.6429	0.0018	+0.0014	19	EB1	CCD	
p		52694.3801	0.0007	+0.0005	15	EB1	CCD	
s		52694.5094	0.0004	-0.0006	23	EB1	CCD	
p		52694.6420	0.0008	+0.0016	23	EB1	CCD	
s		52721.3689	0.0005	-0.0002	19	EB1	CCD	
p		52723.3241	0.0008	-0.0007	10	EB1	CCD	
s		52723.4541	0.0012	-0.0011	16	EB1	CCD	
p		52723.5856	0.0013	0.0000	8	EB1	CCD	
s		52813.418	0.008	-0.003	5	KL	vis	
p		52813.560	0.005	+0.009	6	KL	vis	
s		52814.465	0.005	+0.002	6	KL	vis	
GSC3022:996 CVn	p	52601.583	0.002	+0.002	17	EB1	CCD; elem. IBVS No. 5403	
	s	52691.4635	0.0015	+0.0006	13	EB1	CCD	
	p	52691.6397	0.0010	-0.0018	24	EB1	CCD	
	p	52694.4996	0.0007	-0.0010	29	EB1	CCD	
	s	52694.6772	0.0006	-0.0021	23	EB1	CCD	
	p	52721.3064	0.0014	+0.0022	14	EB1	CCD	
	p	52723.4485	0.0010	0.0000	32	EB1	CCD	
GSC3026:1046 CVn	s	52691.5461	0.0006	+0.0044	13	EB1	CCD; elem. IBVS No. 5269	
RX CMa	p	52694.353	0.005	-0.123	10	KL	vis	
RS CMi	p	51560.363	0.004	-0.022	250	APs	CCD; elem. BBSAG Bull. 112, 11; d=0.05 days; ampl.=2.45 mag	
RY CMi	p	52730.437	0.005	-0.216	12	KL	vis; elem. IBVS No. 4874	
TU CMi	p	52717.377	0.004	-0.087	12	RD	CCD	
TX CMi	p	52692.361	0.003	+0.004	15	APs	CCD; elem. BBSAG Bull. 106, 7	
AC CMi	s	52616.589	0.005	+0.024	33	APs	CCD	
AK CMi	p	52590.622	0.002	-0.019	8	KL	vis	
NSV3521 CMi	-	52627.651	0.003		11	APs	CCD	
RZ Cas	p	47528.298	0.009	+0.003	31	MMa	vis	
	p	47559.385	0.028	+0.013	29	MMa	vis	
	p	47614.371	0.020	+0.017	35	MMa	vis	
	p	47767.342	0.005	-0.003	35	MMa	vis	
	p	52530.446	0.005	+0.042	21	CPa	vis	
	p	52566.306	0.002	+0.044	13	KT	vis	
	p	52578.259	0.003	+0.045	11	KT	vis	
	p	52585.427	0.004	+0.041	12	CPa	vis	
	p	52609.335	0.003	+0.044	8	KT	vis	
	p	52615.312	0.003	+0.045	9	KT	vis	
	p	52627.266	0.003	+0.047	8	KT	vis	
	p	52633.241	0.003	+0.045	8	KT	vis	
	TW Cas	p	52489.406	0.010	-0.023	CPa	vis	
	AB Cas	p	52568.322	+0.066	6	KL	vis	

Table 1. (continue)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
AE Cas	p	52532.615	0.006	+0.070	5	KL	vis
AH Cas	p	52608.398	0.007	-0.188	6	KL	vis
BH Cas	p	52693.3352	0.0018	+0.0134	14	EB1	CCD; elem. IBVS No. 4482
BW Cas	p	52532.581	0.003	+0.013	7	KL	vis; elem. BBSAG Bull. 122, 8
CW Cas	p	52574.3001	0.0015	-0.0254	15	EB1	CCD; elem. JAAVSO 21, 34
EY Cas	s	52574.3434	0.0015	-0.0314	11	EB1	CCD
GR Cas	p	52535.5073	0.0009	-0.0363	14	RD	CCD
IR Cas	p	52574.346	0.006	+0.011	7	KL	vis
IS Cas	p	52535.5062	0.0008	+0.0502	23	RD	CCD
IT Cas	p	52547.5671	0.0006	-0.0006	17	RD	CCD; elem. AJ 114, 1206
IV Cas	p	52574.2409	0.0004	-0.0381	12	EB1	CCD
MT Cas	s	52574.321	0.002	+0.008	10	EB1	CCD
MY Cas	p	52574.281	0.003	+0.024	12	EB1	CCD
OR Cas	p	52535.459	0.002	-0.021	7	KL	vis
PV Cas	s	52658.363	0.005	-0.003	18	RD	CCD; displ. secondary
V336 Cas	p	52693.3308	0.0012	-0.0130	12	EB1	CCD
V345 Cas	p	52548.5640	0.0003	-0.0231	15	RD	CCD
V350 Cas	p	52548.5773	0.0008	-0.0209	20	RD	CCD
V523 Cas	p	52536.364	0.004	+0.015	7	KL	vis; elem. MNRAS 317, 111
	s	52693.2855	0.0007	+0.0130	11	EB1	CCD
V860 Cas	p	52530.404	0.006	-0.007	6	KL	vis; elem. IBVS No. 5111
U Cep	p	51913.104	0.007	+0.108	9	KT	vis; norm. min.
	p	51988.452	0.005	+0.116	7	KT	vis
	p	52205.343	0.003	+0.112	10	KT	vis
	p	52382.354	0.003	+0.117	12	KT	vis; norm. min.
WZ Cep	s	52693.269	0.005	-0.033	7	EB1	CCD; elem. AAS 131, 7
BE Cep	s	52592.3044	0.0014	-0.0837	19	EB1	CCD
DP Cep	p	52693.2939	0.0012	-0.0655	14	EB1	CCD
EE Cep	p	52795	1	+3	12	KL	vis; shape as 1969, see IBVS No. 5412
GT Cep	p	52145.477	0.012	+0.127	27	KT	vis; norm. min.
HI Cep	p	52820.406	0.007	+0.007	8	KL	vis; elem. BBSAG Bull. 114, 12
IP Cep	p	52531.5189	0.0017	-0.0142	24	RD	CCD; elem. IBVS No. 5016
NR Cep	p	52693.2951	0.0007	-0.0352	15	EB1	CCD
V357 Cep	p	52591.468	0.008	-0.191	9	KL	vis; elem. Brno Contr. 28, 34
V358 Cep	p	52533.466	0.003	+0.028	6	KL	vis; elem. BBSAG Bull. 96, 10
TW Cet	s	52530.525	0.004	-0.016	6	KL	vis
VY Cet	p	52530.521	0.004	+0.010	6	KL	vis
RW Com	p	52753.3883	0.0011	-0.0247	13	RD	CCD
LL Com	p	52721.4763	0.0008	+0.1075	14	RD	CCD; elem. IBVS No. 4386
	p	52723.5104	0.0013	+0.1071	16	EB1	CCD
LO Com	p	52691.5579	0.0017	+0.0053	14	EB1	CCD; elem. IBVS No. 5052
LP Com	s	52691.5182	0.0019	-0.0039	9	EB1	CCD; elem. IBVS No. 5052
GSC1996:437 Com	p	52691.493	0.003	-0.007	13	EB1	CCD; elem. IBVS No. 5269
GSC2040:1361 CrB	s	52763.450	0.003	-0.002	10	EB1	CCD; elem. IBVS No. 5295
GSC2580:2086 CrB	s	52763.4367	0.0009	-0.0005	17	EB1	CCD; elem. IBVS No. 5295
W Crv	p	52609.694	0.005	+0.028	6	KL	vis
V Crt	p	52618.665	0.003	-0.012	6	KL	vis
UW Cyg	p	52817.394	0.006	+0.044	7	KL	vis
VV Cyg	p	52548.3610	0.0003	+0.0031	19	RD	CCD
WW Cyg	p	52766.484	0.003	+0.048	10	KL	vis
WZ Cyg	p	52587.318	0.003	+0.051	5	KL	vis
ZZ Cyg	p	52716.582	0.004	-0.042	6	KL	vis
BR Cyg	p	52687.690	0.003	-0.007	6	KL vis	

Table 1. (continue)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
DO Cyg	p	52548.3470	0.0009	-0.0129	17	RD	CCD
V367 Cyg	p	51729.67	0.06	-0.03	86	KT	vis; norm. min.
	s	51739.04	0.17	+0.04	72	KT	vis; norm. min.
V370 Cyg	p	52792.499	0.002	-0.017	6	KL	vis
V502 Cyg	s	52585.3353	0.0013	+0.1021	17	EB1	CCD
V728 Cyg	p	52577.340	0.006	+0.051	7	KL	vis
V1019 Cyg	p	52547.3472	0.0012	+0.1056	10	RD	CCD
V1823 Cyg	p	47723.453	0.005	+0.054	23	MMa	vis; elem. IBVS No. 4997
	s	47797.516	0.006	+0.068	29	MMa	vis; elem IBVS No. 4997
	p	52792.543	0.004	-0.013	7	KL	vis
V1908 Cyg	p	52548.3422	0.0012	-0.2357	15	RD	CCD; elem. Per. Zv. 22, 359
V2280 Cyg	s	52820.467	0.009	+0.019	6	KL	vis; IBVS No. 4996
FZ Del	p	52783.531	0.006	-0.040	6	KL	vis
Z Dra	p	52598.619	0.003	-0.145	7	KL	vis
RR Dra	p	52722.597	0.002	+0.061	14	KL	vis
RZ Dra	s	52717.5076	0.0020	+0.0310	22	EB1	CCD
SX Dra	p	52697.604	0.009	+0.067	11	KL	vis
TW Dra	p	52506.350	0.006	+0.037	11	KT	vis, norm. min.
		52565.295	0.005	+0.038	5	KT	vis
UZ Dra	p	52717.4160	0.0011	+0.0014	14	EB1	CCD
XY Dra	p	52548.5801	0.0009	+1.2486	33	EB1	CCD
	s	52568.263	0.003	+1.260	16	EB1	CCD
AR Dra	p	52576.651	0.005	+0.009	5	KL	vis
AU Dra	p	52717.5008	0.0012	-0.0034	19	EB1	CCD; elem. IBVS No. 4587
AX Dra	p	52693.5314	0.0002	-0.0534	17	RD	CCD
BE Dra	p	52720.5739	0.0019	+0.1203	10	RD	CCD
CM Dra	p	52717.612	0.002	+0.001	8	RD	CCD
	p	52717.6129	0.0014	+0.0026	8	EB1	CCD
CV Dra	p	52717.4522	0.0019	-0.0048	17	EB1	CCD; elem. BAV Mitt. 69
	s	52721.4738	0.0011	+0.0024	16	RD	CCD
DW Dra	p	52524.560	0.006	+0.020	6	KL	vis; elem. BBSAG Bull. 118, 7
EF Dra	s	52568.3659	0.0010	-0.0775	23	EB1	CCD
	p	52717.4122	0.0016	-0.0788	15	EB1	CCD
	s	52717.618	0.009	-0.085	10	EB1	CCD
FU Dra	p	52715.4733	0.0011	-0.0152	17	RD	CCD; elem Hipparchos Cat.
	s	52717.4685	0.0012	-0.0136	21	EB1	CCD
	p	52717.6218	0.0010	-0.0137	9	EB1	CCD
IV Dra	s	52721.3860	0.0006		8	RD	CCD
	p	52721.5167	0.0008		9	RD	CCD
KK Dra	p	52708.503	0.002	+0.011	10	KL	vis; elem. JAAVSO 28, 91
GSC3549:929 Dra	p	52717.5115	0.0025	-0.0015	18	EB1	CCD; elem. IBVS No. 5232
RW Gem	p	52691.491	0.004	+0.004	8	KL	vis
SX Gem	p	52723.367	0.006	-0.054	66	APs	CCD
TX Gem	p	52667.358	0.007	-0.018	6	KL	vis
AF Gem	p	52655.3130	0.0011	-0.0613	15	EB1	CCD
	s	52719.357	0.003	-0.057	20	EB1	CCD
AH Gem	p	52719.342	0.002		19	EB1	CCD; elem. in need of revision
AI Gem	p	52719.3001	0.0013		19	EB1	CCD; elem. in need of revision
AZ Gem	s	52719.3295	0.0007	+0.0790	20	EB1	CCD
BD Gem	p	52533.599	0.004	-0.021	7	KL	vis
BT Gem	p	52717.368	0.004	-0.005	14	RD	CCD
CK Gem	p	52689.3223	0.0009	-0.0658	15	EB1	CCD

Table 1. (continue)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
DP Gem	p	52622.2950	0.0012	-0.0144	15	EB1	CCD; elem. BBSAG Bull. 121, 7
	p	52689.3113	0.0011	-0.0123	14	EB1	CCD
EG Gem	p	52694.2963	0.0009	+0.2468	13	RD	CCD
EY Gem	s	52689.306	0.004	-0.224	14	EB1	CCD
FT Gem	s	52655.3194	0.0011	-0.0153	11	EB1	CCD
HR Gem	s	52719.2871	0.0012	+0.0139	18	EB1	CCD
KQ Gem	s	52655.313	0.003	-0.071	12	EB1	CCD
QW Gem	-	52655.2764	0.0011	-0.0190	16	EB1	CCD; elem Hipparcos
	-	52689.2991	0.0.0006	-0.0184	15	EB1	CCD; min. asymmetric; pulsator
	-	52694.314	0.002	-0.018	12	RD	CCD; min. asymmetric
SZ Her	p	52536.379	0.006	-0.018	5	KL	vis
TU Her	p	52526.324	0.004	-0.118	6	KL	vis
CC Her	p	52817.443	0.002 +0.135	7	KL	vis	
DP Her	p	52764.571	0.005	+0.061	6	KL	vis
DQ Her	p	52763.421	0.001	+0.003	6	KL	vis
FW Her	p	52717.6348	0.0011	+0.0617	15	RD	CCD
IT Her	p	52533.3581	0.0014	+0.1197	20	EB1	CCD; elem. IBVS No. 4663
MT Her	s	52526.3727	0.0017	+0.0173	20	EB1	CCD
	p	52536.372	0.004	+0.018	5	KL	vis
V856 Her	p	52717.577	0.002	-0.043	9	RD	CCD; elem. IBVS No. 4342
V1033 Her	s	52764.4316	0.0004	-0.0056	22	EB1	CCD; elem. IBVS No. 5146
V1034 Her	p	52792.489	0.003	+0.008	8	KL	vis; elem. IBVS No. 5231
V1036 Her	s	52764.4885	0.0005	+0.0001	24	EB1	CCD; elem. IBVS No. 5146
V1038 Her	p	52764.4273	0.0003	+0.0014	22	EB1	CCD; elem. IBVS No. 5146
V1039 Her	s	52764.4265	0.0011	+0.0019	23	EB1	CCD; elem. BBSAG Bull. 128, 10
V1044 Her	p	52526.331	0.005	+0.003	6	KL	vis; elem. IBVS No. 5192
	s	52590.217	0.004	-0.001	5	KL	vis
	s	52702.598	0.003	0.000	6	KL	vis
	s	52708.600	0.003	-0.014	6	KL	vis
	s	52745.4296	0.0008	-0.0021	9	EB1	CCD
	p	52745.5497	0.0020	-0.0023	13	EB1	CCD
	p	52753.495	0.005	+0.002	5	KL	vis
	p	52791.513	0.005	-0.001	6	KL	vis
	p	52792.473	0.004	-0.004	6	KL	vis
	p	52812.456	0.006	+0.006	6	KL	vis
V1047 Her	s	52745.4675	0.003	-0.001	11	EB1	CCD; elem. IBVS No. 5192
V1053 Her	p	52708.569	0.005	+0.028	6	KL	vis; elem. BBSAG Bull. 128, 10
	s	52745.5237	0.0018	+0.0010	15	EB1	CCD
	p	52752.604	0.004	+0.030	5	KL	vis
	p	52753.457	0.005	+0.020	5	KL	vis
	s	52783.514	0.006	+0.002	5	KL	vis
	s	52791.577	0.008	+0.007	6	KL	vis
	p	52812.453	0.006	+0.018	6	KL	vis
V1055 Her	p	52745.5391	0.0020	-0.0049	15	EB1	CCD; elem. IBVS No. 5192
V1062 Her	p	52746.4316	0.0014	-0.0058	11	EB1	CCD; elem. IBVS No. 4965
V1067 Her	s	52746.461	0.003	+0.003	10	EB1	CCD; elem. IBVS No. 4966
V1073 Her	s	52783.4093	0.0007	+0.0008	20	EB1	CCD; elem. IBVS No. 4975
GSC2056:117 Her	p	52702.658	0.007		5	KL	vis
	s	52708.568	0.004		6	KL	vis
	s	52764.515	0.006		6	KL	vis
	p	52766.490	0.004		6	KL	vis
	p	52813.512	0.005		5	KL	vis

Table 1. (continue)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks
GSC2083:1870 Her	s	52746.4914	0.0008	+0.0001	21	EBI	CCD; elem. IBVS No. 5306
GSC2613:1412 Her	p	52746.5329	0.0017	+0.0036	15	EBI	CCD; elem. IBVS No. 5306
GSC2629:1932 Her	p	52502.4791	0.0005	-0.0004	14	EBI	CCD; elem. IBVS No. 5333
	p	52526.3716	0.0012	+0.0012	19	EBI	CCD
	s	52526.5155	0.0003	-0.0006	18	EBI	CCD
	p	52533.3634	0.0014	+0.0005	21	EBI	CCD
	s	52546.3279	0.0016	-0.0002	11	EBI	CCD
	s	52548.3670	0.0012	-0.0006	22	EBI	CCD
	p	52568.3254	0.0011	+0.0002	19	EBI	CCD
	p	52745.4681	0.0018	+0.0003	17	EBI	CCD
GSC3098:683 Her	s	52746.4208	0.0011	-0.0028	15	EBI	CCD; elem. IBVS No. 5306
GSC3098:1253 Her	s	52746.4919	0.0010	+0.0028	18	EBI	CCD; elem. IBVS No. 5306
GSC3528:44 Her	p	52495.4826	0.0025	+0.0001	10		CCD; elem. IBVS No. 5333
	p	52502.3709	0.0008	+0.0006	12	EBI	CCD
	p	52526.4760	0.0006	-0.0016	24	EBI	CCD
	p	52533.3651	0.0006	-0.0003	24	EBI	CCD
	p	52548.2893	0.0009	+0.0004	13	EBI	CCD
	s	52548.4812	0.0014	+0.0009	31	EBI	CCD
	s	52568.3786	0.0023	+0.0003	16	EBI	CCD
	s	52745.5495	0.0007	+0.0019	16	EBI	CCD
GSC3532:174 Her	p	52495.4374	0.0005	0	18	EBI	CCD; elem. IBVS No. 5333
	s	52502.3878	0.0008	+0.0002	11	EBI	CCD
	p	52502.5015	0.0006	-0.0001	11	EBI	CCD
	p	52509.3367	0.0002	-0.0012	9	EBI	CCD
	s	52526.3149	0.0017	+0.0002	11	EBI	CCD
	p	52526.4288	0.0014	+0.0002	14	EBI	CCD
	s	52526.5424	0.0017	-0.0001	14	EBI	CCD
	s	52533.3794	0.0013	+0.0006	19	EBI	CCD
	p	52533.4936	0.0011	+0.0008	12	EBI	CCD
	s	52536.3419	0.0016	+0.0007	13	EBI	CCD
	p	52548.3051	0.0012	+0.0004	12	EBI	CCD
	s	52548.4187	0.0004	0.0000	15	EBI	CCD
	p	52548.4324	0.0009	-0.0002	25	EBI	CCD
	p	52691.640	0.002	+0.001	10	KL	vis
	s	52702.688	0.006	-0.003	5	KL	vis
	s	52708.625	0.005	+0.009	7	KL	vis
	s	52730.496	0.004	+0.004	5	KL	vis
	p	52745.4198	0.0020	+0.0019	9	EBI	CCD
	s	52745.5317	0.0020	-0.0002	11	EBI	CCD
GSC3532:939 Her	s	52495.4335	0.0021	-0.0052	15		CCD; elem. IBVS No. 5333
	p	52502.3921	0.0011	+0.0008	14	EBI	CCD
	s	52526.3387	0.0010	-0.0005	15	EBI	CCD
	p	52526.4940	0.0007	+0.0003	21	EBI	CCD
	p	52533.2900	0.0013	-0.0018	9	EBI	CCD
	s	52533.4456	0.0013	-0.0007	22	EBI	CCD
	p	52546.2733	0.0020	+0.0033	6	EBI	CCD
	s	52548.2788	0.0013	+0.0002	12	EBI	CCD
	p	52548.4348	0.0008	+0.0017	27	EBI	CCD
	s	52548.5893	0.0009	+0.0017	25	EBI	CCD
	p	52745.576	0.002	+0.001	11	EBI	CCD
	p	52763.509	0.006	+0.009	10	KL	vis
AL Hya	p	52618.598	0.005	+0.451	7	KL	vis
DG Lac	p	52781.483	0.005	-0.200	5	KL	vis
OO Lac	p	52533.492	0.006	+0.124	6	KL	vis
	s	52592.3151	0.0014	+0.1238	18	EBI	CCD
V339 Lac	p	52548.437	0.005	+0.156	10	RD	CCD

Table 1. (continue)

Variable	Type	HJD 24 . .	\pm	$O - C$	n	Obs	Remarks
V344 Lac	p	52531.5346	0.0010	+0.0026	19	RD	CCD; elem. BBSAG Bull. 127, 10
	p	52592.3311	0.0015	+0.0021	16	EBI	CCD
Y Leo	p	52590.598	0.002	+0.016	10	KL	vis
RW Leo	p	52750.365	0.003	-0.048	6	KL	vis
BL Leo	s	52697.439	0.005	-0.013	6	KL	vis
BW Leo	s	52722.297	0.010	-0.075	7	RD	CCD
	p	52722.467	0.003	-0.073	12	RD	CCD
CE Leo	s	52715.5310	0.0013	-0.0075	10	RD	CCD
RT LMi	p	52693.4750	0.0004	-0.0076	16	RD	CCD
RS Lep	p	52555.651	0.004	-0.005	7	KL	vis
BW Lib	p	52702.613	0.004	-0.003	11	KL	vis; elem. IBVS No. 5335
RY Lyn	p	52655.369	0.008	-0.037	5	KL	vis
UU Lyn	p	52691.2725	0.0010	-0.0028	16	EBI	CCD
AH Lyn	p	52717.3591	0.0019	-0.0037	10	RD	CCD; elem. AJ 87, 314
TT Lyr	p	52789.547	0.008	+0.001	9	KL	vis
UZ Lyr	p	52722.633	0.005	-0.027	12	KL	vis
EW Lyr	p	52815.487	0.003	+0.235	8	KL	vis
HT Lyr	p	52526.3448	0.0010	-0.0305	21	EBI	CCD
IP Lyr	p	52548.2770	0.0008	-0.0027	7	EBI	CCD
IW Lyr	p	52548.4372	0.0008	+0.2987	14	EBI	CCD
LZ Lyr	p	52536.3160	0.0007	+0.2364	15	EBI	CCD
V400 Lyr	s	52652.2468	0.0015	-0.0115	16	EBI	CCD; elem. IBVS No. 4995
V406 Lyr	p	52509.3662	0.0014	-0.0196	11	EBI	CCD; elem. IBVS No. 4132
	p	52533.4688	0.0007	-0.0190	24	EBI	CCD
V574 Lyr	p	52783.4267	0.0013	-0.0025	19	EBI	CCD; elem. IBVS No. 4976
V579 Lyr	s	52652.244	0.004	-0.003	13	EBI	CCD; elem. IBVS No. 4982
V580 Lyr	s	52783.3591	0.0012	-0.0015	10	EBI	CCD; elem. IBVS No. 4982
	p	52783.4991	0.0013	-0.0060	18	EBI	CCD
V582 Lyr	p	52652.2695	0.0009	+0.0129	16	EBI	CCD; elem. IBVS No. 4985
	s	52764.488	0.002	+0.020	6	KL	vis
β Lyr	p	46338.5		-5.2	112	MMa	vis; norm. min.
	s	46344.7		-5.5	112	MMa	vis; norm. min.
	p	46999.1		-3.3	88	MMa	vis; norm. min.
	s	47004.4		-4.5	88	MMa	vis; norm. min.
	p	51332.64	0.06	+0.08	96	KT	vis; norm. min.
	p	51694.99	0.08	+0.10	129	KT	vis; norm. min.
	p	52109.05	0.05	+0.06	95	KT	vis; norm. min.
	p	52471.37	0.07	+0.05	109	KT	vis; norm. min.
GSC2632:319 Lyr	s	52783.4066	0.0009	+0.0043	20	EBI	CCD; elem. IBVS No. 5232
GSC3104:1384 Lyr	p	52783.4486	0.0005	+0.0017	18	EBI	CCD; elem. IBVS No. 5232
GSC3540:85 Lyr	s	52783.3819	0.0015	+0.0036	14	EBI	CCD; elem. IBVS No. 5232
	p	52783.529	0.003	+0.001	9	EBI	CCD
RW Mon	p	52533.588	0.004	-0.037	7	KL	vis
UU Mon	p	52584.644	0.003	+0.002	8	KL	vis
XZ Mon	p	52691.331	0.004	+0.028	5	KL	vis
BM Mon	p	52695.392	0.006	+0.028	7	KL	vis
BO Mon	p	52655.412	0.002	-0.062	10	KL	vis
FH Mon	p	52730.336	0.003	-0.084	8	KL	vis
HK Mon	p	52717.397	0.002	+0.024	15	RD	CCD
V396 Mon	p	52689.3079	0.0015	-0.0552	16	EBI	CCD
V524 Mon	p	52717.324	0.005	-0.018	7	RD	CCD
V714 Mon	s	52689.3008	0.0.0014	-0.0064	17	EBI	CCD; elem. IBVS No. 4468
	s	52694.2975	0.0010	-0.0051	13	RD	CCD
V391 Oph	p	52812.470	0.006	+0.033	6	KL	vis
V449 Oph	p	52526.369	0.002	+0.060	5	KL	vis
V508 Oph	p	52535.391	0.004	-0.006	5	KL	vis

Table 1. (continue)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
V566 Oph	p	52483.455	0.008	+0.083	31	APs	CCD
V913 Oph	p	52819.532	0.003	+0.182	6	KL	vis
V1016 Oph	s	52501.356	0.005	-0.067	17	APs	CCD; elem. BBSAG Bull. 99, 9
V1125 Oph	p	52717.627	0.002	-0.001	16	RD	CCD; elem. GEOS EB 28
EQ Ori	p	52534.581	0.003	-0.023	6	KL	vis
FL Ori	p	52635.508	0.005	+0.031	6	KL	vis
FZ Ori	p	47560.326	0.005	-0.014	17	MMA	vis
OS Ori	p	52608.414	0.005	-0.015	5	KL	vis
V343 Ori	p	52655.2689	0.0005	+0.1635	16	EBl	CCD
V392 Ori	p	52655.2768	0.0010	+0.0197	16	EBl	CCD; elem. Bull. A. S. I. 19
V640 Ori	p	52677.299	0.005	-0.110	7	KL	
V641 Ori	s	52622.332	0.002	+0.006	13	EBl	CCD
VW Peg	s	52547.5255	0.0005	-4.8172	29	RD	CCD; elem. IBVS No. 4916; displ. sec.
AY Peg	p	47767.394	0.005	-0.032	17	MMA	vis
	p	52535.5187	0.0011	-0.1760	26	RD	CCD
BX Peg	p	52501.6256	0.0001	-0.0960	-	TSa	CCD
	s	52514.6663	0.0001	-0.0949	52	TSa, CY	CCD
CW Peg	p	52819.540	+0.048	6	KL	vis	
EU Peg	p	52535.502	0.002	+0.035	11	RD	CCD
RT Per	p	52568.308	0.005	+0.049	5	KL	vis
RV Per	p	52658.372	0.009	-0.019	8	KL	vis
ST Per	p	52627.470	0.005	+0.166	77	APs	CCD
	p	52688.388	0.008	+0.173	8	KL	vis
WY Per	p	52533.516	0.008	-0.062	5	KL	vis
XZ Per	p	52530.479	0.006	-0.052	5	KL	vis
	p	52658.3078	0.0010	-0.0543	16	RD	CCD
AG Per	p	51796.695	0.033	+0.052	24	KT	vis; norm. min.
	s	51797.804	0.022	+0.146	35	KT	vis; norm. min.; displ. secondary
DK Per	p	52534.627	0.002	-0.030	6	KL	vis; elem. IBVS No. 3875
DM Per	p	52531.351	0.010	-0.022	12	CPa	vis
KW Per	p	52577.412	0.002	+0.008	7	KL	vis
PS Per	p	52524.525	0.007	+0.054	5	KL	vis
V436 Per	p	47349.504	0.005	+0.010	19	MMA	vis
	p	47764.428	0.008	-0.041	15	MMA	vis
β Per		51783.330	0.013	+0.051	9	KT	vis
	p	51803.386	0.005	+0.036	21	KT	vis
	p	51846.404	0.005	+0.044	13	KT	vis
	p	51869.323	0.005	+0.024	15	KT	vis
	p	51906.609	0.007	+0.036	12	KT	vis
	p	51912.345	0.005	+0.037	11	KT	vis
	p	51972.561	0.008	+0.039	10	KT	vis
	p	51978.286	0.008	+0.030	10	KT	vis
	p	52147.459	0.005	+0.032	11	KT	vis
	p	52150.347	0.006	+0.053	11	KT	vis
	p	52517.362	0.007	+0.052	20	KT	vis; norm. min.
TY Pup	s	49776.362	0.004	-0.087	MMA	vis	
	p	49783.342	0.003	-0.071	23	MMA	vis
XZ Pup		52694.472	0.002	+0.094	11	KL	vis
UZ Sge	p	52526.379	0.005	+0.041	7	KL	vis

Table 1. (continue)

Variable	Type	HJD 24. . .	\pm	$O - C$	n	Obs	Remarks
GSC1621:2192 Sge	s	52526.304	0.005	-0.001	6	KL	vis; elem. BBSAG Bull. 128, 10
	p	52526.486	0.003	-0.003	6	KL	vis
	s	52530.363	0.004	-0.002	6	KL	vis
	p	52533.496	0.003	-0.007	7	KL	vis
	s	52574.298	0.006	+0.006	9	KL	vis
	p	52576.322	0.004	0.000	7	KL	vis
	s	52708.658	0.003	+0.002	7	KL	vis
	p	52764.582	0.003	+0.002	6	KL	vis
	p	52791.525	0.006	-0.001	7	KL	vis
	s	52813.489	0.004	0.000	5	KL	vis
	p	52814.411	0.004	-0.001	6	KL	vis
WX Sgr	p	52800.539	0.003	-0.106	7	KL	vis
XY Sgr	p	52817.493	0.003	+0.019	7	KL	vis
AK Ser	p	52813.409	0.003	+0.027	6	KL	vis
AO Ser	p	52574.252	0.004	-0.008	7	KL	vis
AU Ser	p	52652.622	0.006	-0.077	6	KL	vis
LX Ser	p	52730.504	0.001	+0.002	5	KL	vis
GSC2035:175 Ser	p	52763.4509	0.0002	+0.0058	17	EBl	CCD; elem. IBVS No. 5295
RW Tau	p	52567.354	0.003	-0.175	10	KL	vis
AH Tau	p	52532.607	0.003	-0.106	6	KL	vis
AM Tau	p	52652.379	0.003	-0.050	7	KL	vis
CR Tau	p	52622.3331	0.0012	+0.0009	14	EBl	CCD; elem. IBVS No. 4778
EQ Tau	p	52548.609	0.003	-0.026	18	APs	CCD
HU Tau	p	52673.401	0.010	+0.010	6	CPa	vis
V781 Tau	p	47550.322	0.005	+0.007	16	MMa	vis
	s	52622.3515	0.0007	-0.0375	16	EBl	CCD
	p	47552.363	0.005	-0.022	14	MMa	vis
	p	47560.314	0.005	-0.004	14	MMa	vis
V Tri	p	52555.405	0.005	+0.005	5	KL	vis
RV Tri	p	52635.403	0.006	-0.024	7	KL	vis
RW Tri	p	52691.293	0.001	-0.004	7	KL	vis
TX UMa	p	52610.476	0.004	+0.181	8	CPa	vis
		52708.476	0.006	+0.163	8	APs, CPa	vis
UX UMa	p	52590.671	0.001	+0.002	7	KL	vis
UY UMa	p	52693.5108	0.0011	+0.0804	15	RD	CCD
XZ UMa	p	52618.538	0.005	-0.071	6	KL	vis
	p	52722.4387	0.0008	-0.0672	14	RD	CCD
ZZ UMa	p	52715.389	0.002	0.000	7	KL	vis
AA UMa	s	52658.527	0.004	+0.024	22	RD	CCD
BM UMa	p	52715.385	0.005	+0.005	6	RD	CCD
	s	52715.5223	0.0011	+0.0063	10	RD	CCD
ES UMa	p	52658.497	0.002	-0.097	15	RD	CCD; elem. IBVS No. 3914
IW UMa	p	52721.4495	0.0011	+0.0099	15	RD	CCD; elem. IBVS No. 4402
GSC3002:454 UMa	p	52691.315	0.008	+0.056	7	KL	vis; elem. IBVS No. 5064
RT UMi	p	47775.384	0.005	+0.123	29	MMa	vis
UW Vir	p	52658.645	0.002	-0.038	6	KL	vis
VV Vir	p	52706.633	0.003	-0.037	10	KL	vis
FO Vir	p	47609.421	0.004	+0.001	14	MMa	vis
HW Vir	p	52647.705	0.001	+0.001	8	KL	vis; elem. AA 364, 199
GSC2850:1075 Vir	s?	52692.460	0.005		22	APs	CCD
	p?	52692.639	0.005		22	APs	CCD
AX Vul	p	52590.274	0.005	-0.024	6	KL	vis
AY Vul	p	52576.377	0.003	-0.032	8	KL	vis
BE Vul	p	52718.664	0.004	+0.030	7	KL	vis
BO Vul	p	52601.307	0.004	-0.008	7	KL	vis

Table 1. (continue)

Variable	Type	HJD 24...	\pm	$O - C$	n	Obs	Remarks
BP Vul	p	52724.589	0.008	-0.028	7	KL	vis
ER Vul	p	47012.445	0.016	+0.031	20	MMa	vis

Observers:

EBI :	E. Blättler	Wald, Switzerland
RD :	R. Diethelm	Rodersdorf, Switzerland
KL :	K. Locher	Grüt, Switzerland
MMa :	M. Martignoni	Magnago, Italy
SO :	S. Ozer	Akdeniz Univ., Turkey
CPa :	C. Pampaloni	Firenze, Italy
APs :	A. Paschke	Rüti, Switzerland
TSa :	T. Sahin	Akdeniz Univ., Turkey
KT :	K. Tikkanen	Oulu, Finland
CY :	C. Yesilyaprak	Akdeniz Univ., Turkey

Reference:

Kholopov, P. N., Samus, N. N., Frolov, M. S., Goranskij, V. P., Gorynya, N. A., Kireeva, N. N., Kukarkina, N. P., Kurochkin, N. E., Medvedeva, G. I., Perova, N. B., Shugarov, S. Yu., 1985, *General Catalogue of Variable Stars*, Moscow

ERRATUM FOR IBVS 5438, 5543, 5713

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

The Editors