

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 6048

Konkoly Observatory
Budapest
25 February 2013

HU ISSN 0374 – 0676

**BAV-RESULTS OF OBSERVATIONS - PHOTOELECTRIC MINIMA OF
SELECTED ECLIPSING BINARIES AND MAXIMA OF PULSATING STARS**

(BAV MITTEILUNGEN NO. 228)

HÜBSCHER, JOACHIM; BRAUNE, WERNER; LEHMANN, PETER B.

Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, 12169 Berlin, Germany, www.bav-astro.de, publikat@bav-astro.de

In this 74th compilation of BAV results, photoelectric observations obtained mostly in the years 2011 and 2012 are presented on 386 variable stars giving over 700 minima on eclipsing binaries and maxima on pulsating stars. All moments of minima and maxima are heliocentric UTC. The errors are tabulated in column ‘±’. The values in column ‘ $O - C$ ’ are determined without incorporating nonlinear terms. The references are given in the section ‘Remarks’. All information about photometers and filters are specified in the column ‘Rem’. The observations were made at private observatories. The photoelectric measurements and all the light curves with evaluations can be obtained from the office of the BAV for inspection.

Please use the following link for an easy access to all the publications of the BAV including the “Lichtenknecker Database of the BAV”: <http://www.bav-astro.de/sfs> .

Table 1: Times of minima of eclipsing binaries

Variable	HJD 24.....	±	Obs	$O - C$	Ref	Fil	n	Rem
BD And	55851.3404	0.0040	WTR	-0.0213	⟨59⟩	-Ir	75	(21)
LM And	55978.2678	0.0016	SCI	-0.0108	⟨59⟩	o	68	(12)
V346 Aql	56158.3718	0.0001	WTR	-0.0104	⟨59⟩	o	80	(11)
V1426 Aql	56159.3769	0.0002	WTR	+0.8669	⟨65⟩	o	75	(11)
V1542 Aql	56151.3954	0.0040	WTR	+0.0101	⟨72⟩	o	90	(11)
SS Ari	55894.3004	0.0012	DIE	-0.0018	⟨59⟩	o	22	(20)
SX Aur	55953.2903	0.0018	FR	+0.0132	s ⟨59⟩	V	31	(30)
TT Aur	55953.3289	0.0004	FR	-0.0106	⟨59⟩	V	35	(30)
ZZ Aur	55885.4331	0.0006	MS FR	+0.0249	s ⟨59⟩	o	252	(17)
AH Aur	56001.3662	0.0004	AG	+0.0972	s ⟨45⟩	V	23	(26)
AP Aur	55980.3890	0.0020	WTR	+0.1269	s ⟨64⟩	-Ir	79	(21)
	55980.3830	0.0039	FR	+0.1209	s ⟨64⟩	V	13	(30)
CQ Aur	56003.4062	0.0074	FR	+1.1387	s ⟨59⟩	-Ir	22	(26)
EM Aur	55882.2999	0.0006	MS FR	-0.1980	⟨59⟩	o	559	(17)
EP Aur	56001.3437	0.0010	AG	+0.0153	s ⟨59⟩	V	21	(26)
FN Aur	55295.2963	0.0002	FR	+3.3790	⟨59⟩	-Ir	19	(26) (2)
	55979.4341	0.0067	FR	+3.3608	⟨59⟩	-Ir	18	(26)

Table 1: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
FZ Aur	56001.3342	0.0110	AG	+0.2772	s (59)	-Ir	20	(26)
HL Aur	55961.4025	0.0033	AG	-0.0162	s (59)	-Ir	95	(26)
HW Aur	55953.3208	0.0027	FR	+0.0242	(71)	V	40	(30)
KL Aur	55961.5337	0.0078	AG	-0.7313	(59)	-Ir	94	(26)
KO Aur	55961.3282	0.0014	AG	+0.0500	(59)	-Ir	87	(26)
MN Aur	55979.4024	0.0065	AG	-0.0338	(59)	I	96	(26)
	55979.4017	0.0110	AG	-0.0345	(59)	V	96	(26)
	55979.4016	0.0087	AG	-0.0347	(59)	R	97	(26)
	55979.4005	0.0047	AG	-0.0358	(59)	B	95	(26)
MT Aur	55881.4808	0.0009	MS FR	+0.0092	(59)	o	405	(17)
NN Aur	55961.3047	0.0004	FR	+0.0012	(42)	-Ir	75	(26)
V426 Aur	56009.2949	0.0005	FR			-Ir	124	(26)
V596 Aur	55953.3366	0.0023	FR	+0.0078	(59)	V	35	(30)
V640 Aur	56013.3885	0.0003	FR	-0.0179	s (59)	-Ir	98	(26)
	56013.5521	0.0002	FR	-0.0183	(59)	-Ir	98	(26)
V644 Aur	56001.3635	0.0027	AG	+0.0016	(59)	V	23	(26)
SS Boo	56007.4719	0.0239	AG	+0.0396	(59)	V	42	(26)
TZ Boo	56061.5029	0.0003	GB	-0.0312	(43)	B;V	50	(16)
	56062.3981	0.0003	GB	-0.0275	(43)	B;V	52	(16)
	56061.3585	0.0003	GB	-0.0270	s (43)	B;V	40	(16)
	56060.4672	0.0004	GB	-0.0269	s (43)	B;V	28	(16)
	56003.5624	0.0002	GB	-0.0262	(43)	B;V	62	(16)
	56019.4611	0.0002	GB	-0.0254	s (43)	B;V	67	(16)
	55993.6068	0.0002	GB	-0.0270	s (43)	B	69	(16)
	55978.5997	0.0001	GB	-0.0277	(43)	V	190	(16)
	56002.5219	0.0002	GB	-0.0266	s (43)	B;V	63	(16)
	56055.4168	0.0003	GB	-0.0256	s (43)	B;V	45	(16)
	55993.6071	0.0002	GB	-0.0267	s (43)	V	69	(16)
	56008.6141	0.0002	GB	-0.0261	(43)	B;V	67	(16)
	56048.4324	0.0002	GB	-0.0268	(43)	B;V	46	(16)
	56006.5340	0.0002	GB	-0.0261	(43)	B;V	61	(16)
	56007.5740	0.0002	GB	-0.0262	s (43)	B;V	61	(16)
UW Boo	56013.5148	0.0014	AG	-0.0060	(59)	-Ir	38	(26)
AD Boo	56015.4018	0.0013	AG	+0.0317	(59)	V	34	(26)
AQ Boo	56009.4855	0.0001	MS FR	-0.0044	(42)	o	360	(17)
BG Boo	56002.5908	0.0027	SCI	-0.0274	(59)	o	25	(12)
EF Boo	56013.6385	0.0003	AG	+0.0034	(42)	V	38	(26)
	56013.4273	0.0027	AG	+0.0024	s (42)	V	38	(26)
ET Boo	56061.6081	0.0010	SCI	+0.0064	(42)	o	130	(12)
	56062.5716	0.0015	SCI	+0.0023	s (42)	o	113	(12)
GH Boo	56015.5905	0.0021	AG			-Ir	34	(26)
GM Boo	56015.4167	0.0021	AG	+0.0028	s (42)	-Ir	34	(26)
	56009.4585	0.0027	AG	+0.0030	(42)	-Ir	49	(26)
	56015.5986	0.0015	AG	+0.0041	(42)	-Ir	34	(26)
	56009.6398	0.0019	AG	+0.0038	s (42)	-Ir	49	(26)
GN Boo	56009.3847	0.0027	AG	+0.0112	s (42)	-Ir	48	(26)
	56009.5366	0.0010	AG	+0.0123	(42)	-Ir	48	(26)
GQ Boo	56009.5149	0.0028	AG	-0.0006	s (42)	-Ir	49	(26)
GR Boo	56009.4346	0.0012	AG	-0.0040	s (42)	-Ir	49	(26)
	56009.6239	0.0009	AG	-0.0031	(42)	-Ir	49	(26)
GT Boo	56012.4765	0.0002	MS FR	-0.0016	(42)	o	396	(17)
GX Boo	56006.5113	0.0010	MS FR	+0.0434	(59)	o	0	(17)
HH Boo	56013.4735	0.0005	AG	+0.0161	(59)	-Ir	38	(26)
	55384.4248	0.0042	AG	+0.0786	s (59)	-Ir	39	(26)
	56012.3570	0.0001	MS FR	+0.0148	s (59)	o	378	(17)
	56013.6323	0.0011	AG	+0.0156	s (59)	-Ir	38	(26)
HR Boo	56015.6119	0.0010	AG	-0.0455	(59)	-Ir	34	(26)
	56009.4493	0.0030	AG	-0.0467	s (59)	-Ir	49	(26)
	56015.4520	0.0023	AG	-0.0474	s (59)	-Ir	34	(26)

Table 1: (cont.)

Variable	HJD 24....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
HR Boo	56008.5003	0.0002	MS FR	-0.0478	s	(59)	o	357 (17)
	56009.6077	0.0008	AG	-0.0463		(59)	-Ir	49 (26)
IL Boo	56013.3922	0.0009	AG	-0.0377		(59)	-Ir	38 (26)
	56013.5672	0.0013	AG	-0.0364	s	(59)	-Ir	38 (26)
IW Boo	56013.6215	0.0009	AG	-0.0531	s	(59)	-Ir	38 (26)
	56013.3573	0.0031	AG	+0.0404	s	(59)	-Ir	38 (26)
	56013.4962	0.0023	AG	+0.0004		(59)	-Ir	38 (26)
IX Boo	56015.5488	0.0031	AG	+0.0764	s	(59)	-Ir	34 (26)
KO Boo	56015.5774	0.0057	AG	-0.0533	s	(59)	-Ir	34 (26)
KP Boo	56013.4191	0.0029	AG	-0.0890		(59)	-Ir	38 (26)
KW Boo	56015.4619	0.0030	AG	+0.0066		(59)	-Ir	34 (26)
	56009.5321	0.0019	AG	+0.0075		(59)	-Ir	50 (26)
	56009.3617	0.0048	AG	+0.0116	s	(59)	-Ir	50 (26)
LM Boo	56015.3956	0.0003	AG	-0.0082	s	(59)	-Ir	34 (26)
	56015.5604	0.0010	AG	-0.0074		(59)	-Ir	34 (26)
LY Boo	56007.4594	0.0050	AG	+0.0281		(59)	-Ir	42 (26)
MN Boo	56013.4828	0.0041	AG	+0.0884		(59)	V	38 (26)
MQ Boo	56013.5003	0.0023	AG	+0.0789		(59)	-Ir	38 (26)
	56007.5791	0.0007	AG	+0.0785		(59)	-Ir	42 (26)
MT Boo	56007.5482	0.0007	AG	+0.0893		(59)	-Ir	42 (26)
	56007.3636	0.0014	AG	+0.0874	s	(59)	-Ir	42 (26)
OQ Boo	56009.5128	0.0085	AG	+0.0697		(59)	-Ir	48 (26)
	56012.4909	0.0032	FR	+0.0629	s	(59)	o	39 (30)
PT Boo	56007.5317	0.0082	AG	-0.0750	s	(59)	V	42 (26)
PU Boo	56007.4728	0.0040	AG	-0.0143		(59)	V	42 (26)
AV Cam	55970.3922	0.0015	AG	-0.0707		(59)	-Ir	50 (26)
HW Cam	56043.5527	0.0018	AG	+0.0012		(42)	-Ir	28 (26)
NR Cam	55970.5149	0.0026	AG	+0.0067		(59)	-Ir	48 (26)
	55970.3866	0.0024	AG	+0.0063	s	(59)	-Ir	48 (26)
V375 Cam	56015.5437	0.0020	AG	-0.0036		(59)	-Ir	35 (26)
V428 Cam	55970.5196	0.0028	AG	-0.0607	s	(59)	-Ir	49 (26)
	55970.3772	0.0021	AG	-0.0578		(59)	-Ir	49 (26)
V429 Cam	55970.4826	0.0017	AG	+0.0316		(59)	-Ir	50 (26)
V438 Cam	55970.4451	0.0060	AG	-0.0337	s	(59)	-Ir	49 (26)
V473 Cam	55970.3299	0.0014	AG	+0.0116		(59)	-Ir	50 (26)
	55970.4778	0.0005	AG	+0.0103	s	(59)	-Ir	50 (26)
V476 Cam	56002.4958	0.0032	AG	-0.1729		(59)	-Ir	38 (26)
V478 Cam	55996.4404	0.0166	AG	-0.0065	s	(59)	-Ir	30 (26)
V479 Cam	55993.3046	0.0002	AG	+0.0176		(59)	-Ir	11 (26)
V483 Cam	56043.4996	0.0020	AG	-0.0369		(59)	-Ir	28 (26)
V488 Cam	55970.4531	0.0025	AG	+0.0625		(59)	-Ir	47 (26)
	55970.3172	0.0029	AG	+0.0603	s	(59)	-Ir	47 (26)
	55970.5848	0.0026	AG	+0.0605	s	(59)	-Ir	47 (26)
V489 Cam	56002.6001	0.0021	AG	+0.0213	s	(59)	-Ir	38 (26)
	55970.3703	0.0028	AG	+0.0187	s	(59)	-Ir	48 (26)
V496 Cam	56043.4597	0.0017	AG	-0.0792		(59)	-Ir	29 (26)
V497 Cam	56043.5868	0.0008	AG	-0.0053		(59)	-Ir	28 (26)
V500 Cam	55996.3679	0.0007	AG	+0.0092	s	(59)	-Ir	42 (26)
	55996.4941	0.0007	AG	+0.0113		(59)	-Ir	42 (26)
V501 Cam	55996.4177	0.0035	AG	+0.0788	s	(59)	-Ir	47 (26)
V505 Cam	56043.4303	0.0021	AG	+0.0223		(59)	-Ir	30 (26)
V506 Cam	56043.5089	0.0017	AG	+0.0079		(59)	-Ir	28 (26)
V509 Cam	55996.3387	0.0005	AG	-0.0845	s	(59)	-Ir	42 (26)
	55996.5138	0.0013	AG	-0.0846		(59)	-Ir	42 (26)
V511 Cam	56043.5097	0.0030	AG	+0.0833	s	(59)	-Ir	28 (26)
V512 Cam	56043.5387	0.0058	AG	+0.0439		(59)	-Ir	28 (26)
S Cnc	55963.5030	0.0004	FR	-0.1138		(59)	o	50 (30)
SW Cnc	55880.6365	0.0003	MS FR	-0.0825		(59)	o	468 (17)
TX Cnc	55963.5982	0.0017	FR	+0.0407		(59)	o	95 (30)

Table 1: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$		Ref	Fil	n	Rem
TX Cnc	55963.4119	0.0012	FR	+0.0458	s	(59)	o	95	(30)
KM Cnc	55996.3963	0.0015	QU				V	67	(13)
RS CVn	56012.3569	0.0009	AG	-0.7206		(59)	-Ir	74	(26)
	56012.3525	0.0003	FR	-0.7250		(59)	-Ir	109	(26) (2)
BI CVn	56012.5240	0.0011	AG	-0.0727		(59)	-Ir	49	(26)
CI CVn	56008.6090	0.0013	FR				o	29	(30)
DF CVn	56012.5440	0.0021	AG	+0.0020	s	(42)	-Ir	49	(26)
	56012.3759	0.0027	AG	-0.0027		(42)	-Ir	49	(26)
DI CVn	56012.3754	0.0004	AG	+0.0001		(42)	-Ir	49	(26)
	56012.5278	0.0005	AG	-0.0005	s	(42)	-Ir	49	(26)
DL CVn	56012.5476	0.0028	AG	+0.0040		(42)	-Ir	49	(26)
DM CVn	56011.3484	0.0002	MS FR				o	312	(17)
DR CVn	56012.4680	0.0015	AG	+0.0583	s	(59)	-Ir	49	(26)
	56012.6294	0.0018	AG	+0.0552		(59)	-Ir	49	(26)
DX CVn	56012.6201	0.0015	AG	+0.0063	s	(59)	-Ir	49	(26)
	56012.4395	0.0006	AG	+0.0044		(59)	-Ir	49	(26)
EE CVn	56010.4819	0.0001	MS FR	-0.0063		(59)	o	385	(17)
EX CVn	56012.5111	0.0013	AG	+0.0658	s	(59)	-Ir	49	(26)
	56012.6453	0.0001	AG	+0.0614		(59)	-Ir	49	(26)
	56012.3698	0.0009	AG	+0.0631		(59)	-Ir	49	(26)
GO CVn	56013.5414	0.0039	AG	+0.0821	s	(59)	-Ir	38	(26)
R CMa	55970.3387	0.0008	FR	+0.1015		(59)	V	34	(30)
AM CMi	55980.4415	0.0010	QU	+0.1963		(59)	V	87	(13)
TV Cas	54778.3426	0.0013	MON	-0.0225		(59)	-Ir	531	(15)
	54778.3424	0.0005	MON	-0.0227		(59)	V	359	(11)
BS Cas	55885.2773	0.0004	MS FR	-0.0194		(67)	o	450	(17)
IT Cas	54751.3203	0.0005	MON	+0.0526	s	(59)	V	82	(11)
MR Cas	56007.5038	0.0014	SCI	-0.0841		(59)	o	32	(12)
	56010.5470	0.0030	SCI	-0.0409	s	(59)	o	26	(12)
	56010.3398	0.0031	SCI	-0.0716		(59)	o	39	(12)
	56007.288	0.001	SCI	+0.053		(59)	o	34	(12)
OX Cas	55802.4482	0.0002	FLG	+0.0301		(59)	V	151	(24)
XX Cep	54995.4695	0.0001	MON	-0.0168		(59)	V	200	(11)
	54995.4699	0.0005	MON	-0.0164		(59)	V	55	(15)
EF Cep	56015.5131	0.0037	AG	-0.0325		(59)	-Ir	35	(26)
V790 Cep	56055.4926	0.0018	AG	+0.0359	s	(59)	-Ir	17	(26)
V803 Cep	56055.5391	0.0003	AG	+0.0508		(59)	-Ir	15	(26)
V804 Cep	56055.4820	0.0007	AG	-0.0004		(59)	-Ir	18	(26)
UX Com	56008.5221	0.0056	AG	-0.1286		(44)	V	40	(26)
CM Com	56014.3643	0.0001	MS FR	-0.8973	s	(59)	o	648	(17)
EK Com	56012.3834	0.0011	SCI	+0.0034	s	(42)	o	97	(12)
	56012.5195	0.0020	SCI	+0.0062		(42)	o	100	(12)
	56012.6513	0.0014	SCI	+0.0046	s	(42)	o	50	(12)
	56072.5232	0.0016	SCI	+0.0060		(42)	o	46	(12)
	56008.5185	0.0022	AG	+0.0054		(42)	-Ir	40	(26)
	56072.3875	0.0015	SCI	+0.0037	s	(42)	o	60	(12)
	56008.3846	0.0013	AG	+0.0049	s	(42)	-Ir	40	(26)
	56008.6520	0.0005	AG	+0.0056	s	(42)	-Ir	40	(26)
LL Com	56008.5509	0.0018	AG	+0.0615	s	(66)	-Ir	40	(26)
LQ Com	56008.3722	0.0018	AG	+0.0001	s	(42)	-Ir	40	(26)
	56008.5497	0.0004	AG	-0.0008		(42)	-Ir	40	(26)
LT Com	56008.5039	0.0025	AG	+0.0029	s	(42)	V	40	(26)
MM Com	56008.3538	0.0010	AG	-0.0173	s	(59)	-Ir	40	(26)
	56008.5006	0.0016	AG	-0.0215		(59)	-Ir	40	(26)
	56008.6550	0.0004	AG	-0.0181	s	(59)	-Ir	40	(26)
MR Com	56008.5083	0.0017	AG	-0.0489	s	(59)	-Ir	40	(26)
	56010.3655	0.0002	MS FR	-0.0491		(59)	o	450	(17)
RW CrB	56012.5446	0.0059	FR	+0.0005	s	(59)	o	19	(30)
TU CrB	56073.4059	0.0008	SCI	+0.0617	s	(59)	o	55	(12)

Table 1: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
Y Cyg	55833.5244	0.0017	FR	-0.1302	(59)	o	42	(30)
WZ Cyg	55833.4556	0.0002	FR	+0.0652	(59)	o	82	(30)
ZZ Cyg	55851.4754	0.0007	FR	-0.0586	(59)	o	45	(30)
BO Cyg	54757.2776	0.0013	MON	+0.0879	(59)	V	123	(11)
CV Cyg	55836.3959	0.0042	FR	+0.2114	s (59)	o	42	(30)
DO Cyg	55850.3640	0.0020	WTR	-0.0235	(59)	-Ir	90	(21)
GO Cyg	55833.3929	0.0014	FR	+0.0655	s (59)	o	39	(30)
PV Cyg	56008.6581	0.0008	MS FR	+0.2508	(59)	o	448	(17)
V444 Cyg	55836.4109	0.0034	FR	+0.2061	(59)	o	22	(30)
V501 Cyg	56132.4424	0.0035	SCI	-0.2858	(59)	o	66	(12)
V502 Cyg	56010.6365	0.0002	MS FR	+0.1265	(59)	o	440	(17)
V700 Cyg	56006.6127	0.0001	MS FR	+0.0665	(59)	o	450	(17)
V711 Cyg	54222.5011	0.0004	MS FR	+0.0204	s (59)	o	424	(17)
V743 Cyg	56135.4481	0.0023	SCI	-0.2612	(59)	o	106	(12)
V842 Cyg	56133.5030	0.0017	SCI	+0.0416	(59)	o	39	(12)
V907 Cyg	56009.5979	0.0004	MS FR	-0.1010	s (59)	o	387	(17)
V1305 Cyg	55836.4364	0.0026	FR	-0.0037	(59)	o	42	(30)
V1792 Cyg	55833.5013	0.0052	FR			o	42	(30)
V1918 Cyg	56154.3998	0.0030	WTR	+0.0038	(42)	o	60	(11)
V2154 Cyg	55857.4266	0.0010	FR			o	51	(30)
V2197 Cyg	55833.3278	0.0020	FR			o	42	(30)
V2239 Cyg	55836.5253	0.0019	FR	+0.0008	(42)	o	43	(30)
V2247 Cyg	55833.4098	0.0011	FR			o	40	(30)
UZ Dra	56001.5486	0.0029	AG	+0.0025	(59)	-Ir	89	(26)
WW Dra	56002.3948	0.0021	SCI	+0.5800	(59)	o	127	(12)
WX Dra	56075.4308	0.0028	SCI	+0.0196	s (59)	o	33	(12)
BE Dra	56001.5923	0.0042	AG	-0.1054	(59)	-Ir	89	(26)
	56001.3260	0.0033	AG	-0.1105	s (59)	-Ir	89	(26)
BV Dra	56001.5108	0.0013	SCI	-0.0007	s (59)	o	68	(12)
	56001.3312	0.0017	SCI	-0.0053	(59)	o	83	(12)
	56007.4620	0.0013	AG	-0.0006	s (59)	-Ir	55	(26)
	56007.6363	0.0003	AG	-0.0014	(59)	-Ir	55	(26)
BW Dra	56007.4486	0.0016	AG	+0.0448	s (59)	-Ir	55	(26)
	56007.5937	0.0009	AG	+0.0438	(59)	-Ir	55	(26)
EF Dra	56001.5469	0.0040	AG	+0.0956	(63)	-Ir	87	(26)
	56001.3329	0.0056	AG	+0.0936	s (63)	-Ir	87	(26)
FU Dra	56007.6346	0.0007	AG	+0.0043	s (42)	-Ir	55	(26)
	56007.4786	0.0002	AG	+0.0017	(42)	-Ir	55	(26)
	56007.3281	0.0057	AG	+0.0045	s (42)	-Ir	55	(26)
GV Dra	56008.3421	0.0024	SCI	+0.0060	(70)	o	95	(12)
PV Dra	56007.4306	0.0046	AG	+0.0295	s (59)	-Ir	55	(26)
V338 Dra	56007.6219	0.0002	AG	-0.0281	s (59)	-Ir	55	(26)
	56007.5056	0.0012	AG	-0.0268	(59)	-Ir	55	(26)
	56007.3877	0.0004	AG	-0.0271	s (59)	-Ir	55	(26)
RU Gem	56014.4252	0.0078	AG	+0.1512	(59)	-Ir	50	(26)
RY Gem	55943.3217	0.0002	FR	-0.1994	(59)	-Ir	113	(26) (2)
WW Gem	56015.4323	0.0015	QU	+0.0237	s (59)	V	84	(13)
	56007.3858	0.0007	QU	+0.0230	(59)	V	126	(13)
EN Gem	55970.3605	0.0080	AG	-0.0481	(59)	-Ir	116	(26)
EY Gem	55943.3038	0.0002	MS FR	-0.2278	(59)	o	550	(17)
IV Gem	53813.30	0.000	FR			-Ir	45	(19)
	56003.5147	0.0012	FR			o	14	(30)
KV Gem	56001.3213	0.0006	QU	-0.0293	(53)	Ic	76	(13)
	56002.3974	0.0007	QU	-0.0288	(53)	V	78	(13)
KY Gem	55966.266	0.020	AG	-0.444	(59)	-Ir	239	(26)
OW Gem	56053.	0.0	VLM	-0.4	(73)	o	29	(30)
V345 Gem	56003.5134	0.0028	FR	+0.0103	s (42)	V	45	(30)
	53446.3120	0.0028	SCI			o	140	(12)
	56003.3805	0.0013	FR	+0.0147	(42)	V	45	(30)

Table 1: (cont.)

Variable	HJD 24....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
V345 Gem	56014.5182	0.0029	SCI	+0.0241	s	(42)	o	104 (12)
	56014.3743	0.0021	SCI	+0.0176		(42)	o	133 (12)
V390 Gem	56014.3604	0.0024	AG	-0.0345	s	(59)	-Ir	50 (26)
V405 Gem	54910.3597	0.0042	ATB	-0.0022		(54)	o	102 (11)
KL Her	55705.5505	0.0035	SCI	-0.0736	s	(59)	o	37 (12)
V338 Her	56094.4443	0.0017	FR	+0.1037		(59)	o	20 (30)
V728 Her	56055.4165	0.0016	AG	+0.0829	s	(62)	V	25 (26)
V731 Her	56006.5255	0.0019	SCI	+0.1275		(59)	o	65 (12)
	56055.5548	0.0014	AG	+0.1058	s	(59)	-Ir	25 (26)
	56001.6202	0.0016	SCI	+0.1002		(59)	o	46 (12)
V732 Her	56055.5117	0.0069	AG	+0.0523		(59)	-Ir	25 (26)
V857 Her	56055.4104	0.0003	AG	+0.0056		(42)	V	24 (26)
V861 Her	56055.5421	0.0017	AG	-0.0074		(42)	-Ir	25 (26)
V1055 Her	56055.4441	0.0023	AG	+0.0055		(42)	V	24 (26)
WY Hya	56003.4528	0.0010	AG	+0.0312	s	(59)	-Ir	33 (26)
AI Hya	55963.4102	0.0011	FR	-0.0184	s	(59)	-Ir	36 (26)
DE Hya	55961.3896	0.0086	AG	-0.0036		(59)	-Ir	470 (26)
DK Hya	56013.3512	0.0002	WTR	-0.0763	s	(59)	V	73 (32)
FG Hya	55979.5835	0.0026	AG	-0.0780	s	(59)	-Ir	32 (26)
	56003.3548	0.0024	AG	-0.0746		(59)	-Ir	34 (26)
V470 Hya	56003.3689	0.0063	AG				-Ir	33 (26)
V474 Hya	55963.5672	0.0009	FR	-0.1057	s	(59)	-Ir	52 (26)
	56003.4547	0.0017	AG	-0.1052		(59)	-Ir	34 (26)
V475 Hya	55979.4966	0.0022	AG	-0.0039		(59)	-Ir	29 (26)
	56003.4371	0.0031	AG	-0.0049	s	(59)	-Ir	32 (26)
V476 Hya	55963.5221	0.0021	FR	-0.0145		(59)	-Ir	44 (26)
	55979.4862	0.0019	AG	-0.0120	s	(59)	-Ir	26 (26)
SW Lac	56159.3956	0.0010	FR	+0.0634		(59)	o	75 (30)
	56159.5532	0.0002	FR	+0.0607	s	(59)	o	75 (30)
V339 Lac	55815.4692	0.0044	AG	+0.1447		(59)	-Ir	44 (26) (6)
	55815.4680	0.2100	AG	+0.1435		(59)	-Ir	37 (26)
	55815.4692	0.2100	AG	+0.1447		(59)	-Ir	44 (26) (5)
	55815.4680	0.0021	AG	+0.1435		(59)	-Ir	37 (26)
V345 Lac	55156.2602	0.0008	MON	-1.0302	s	(59)	V	354 (15)
V364 Lac	56159.4748	0.0010	FR	-0.0084		(47)	o	37 (30)
AM Leo	56010.3486	0.0014	PGL	+0.0141		(59)	V	323 (28)
AP Leo	56010.3915	0.0005	QU	-0.0242	s	(59)	V	74 (13)
	55988.4418	0.0005	QU	-0.0257	s	(59)	V	90 (13)
ET Leo	56008.3665	0.0010	MS FR	-0.0223		(42)	o	235 (17)
FM Leo	56001.4257	0.0050	SIR	+0.0035		(74)	o	283 (16)
	56001.4253	0.0002	FR	+0.0031		(74)	-Ir	49 (26)
FS Leo	56001.4582	0.0016	FR				V	55 (30)
FZ Leo	56002.4341	0.0002	FR				V	37 (30)
WZ LMi	55996.3593	0.0073	AG	+0.0743		(59)	-Ir	93 (26)
XX LMi	55996.3689	0.0072	AG	+0.0097		(59)	-Ir	79 (26)
	56014.5427	0.0114	AG	+0.0056		(59)	-Ir	52 (26)
XY LMi	55996.3266	0.0023	AG	-0.0186	s	(59)	-Ir	88 (26)
	55996.5409	0.0040	AG	-0.0227		(59)	-Ir	88 (26)
AE LMi	55996.2983	0.0001	AG	+0.0009	s	(59)	-Ir	96 (26)
	55996.5617	0.0013	AG	+0.0001		(59)	-Ir	96 (26)
	56014.5290	0.0019	AG	+0.0038		(59)	-Ir	56 (26)
AF LMi	55996.4842	0.0085	AG	-0.0426		(59)	-Ir	75 (26)
	56014.5747	0.0073	AG	-0.0458	s	(59)	-Ir	56 (26)
RY Lyn	55944.3668	0.0001	MS FR	-0.0320		(59)	o	650 (17)
SW Lyn	56008.4817	0.0024	AG	+0.0552		(59)	-Ir	84 (26)
	56012.3465	0.0012	AG	+0.0556		(59)	V	42 (26)
TY Lyn	56012.4326	0.0044	AG	+0.0600		(59)	V	45 (26)
UU Lyn	56013.3567	0.0017	SCI	-0.0038	s	(59)	o	99 (12)
	54765.6094	0.0006	MON	-0.0075		(59)	-Ir	114 (15)

Table 1: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
UU Lyn	55644.4397	0.0001	MON	-0.0084	(59)	V	421	(15)
	56046.3787	0.2100	PGL	-0.0082	(59)	V	295	(25)
	56002.3429:	0.0056	PGL	-0.0088	(59)	V	205	(25)
	56013.5866	0.0024	SCI	-0.0081	(59)	o	115	(12)
	56009.3714	0.0021	PGL	-0.0072	(59)	V	197	(25)
BG Lyn	56006.3772	0.0019	SCI	-0.0043	(42)	o	142	(12)
	56012.3796	0.0017	AG	-0.0011	(42)	V	42	(26)
CD Lyn	54736.5408	0.0006	MON	-0.0135	(69)	V	144	(11)
DY Lyn	56008.4321	0.0033	AG	-0.1681	(59)	-Ir	81	(26)
	56012.3720	0.0025	AG	-0.1680	(59)	V	43	(26)
DZ Lyn	56008.5715	0.0047	AG	-0.0124	(59)	-Ir	83	(26)
	56012.3502	0.0035	AG	-0.0139	(59)	V	41	(26)
	56008.3821	0.0091	AG	-0.0128	s (59)	-Ir	83	(26)
	56012.5408	0.0026	AG	-0.0123	s (59)	V	41	(26)
EL Lyn	56008.5920	0.0125	AG	+0.0606	s (59)	-Ir	72	(26)
FN Lyn	56008.4916	0.0064	AG	+0.0667	(59)	-Ir	86	(26)
FO Lyn	56008.5900	0.0070	AG	+0.0196	(59)	-Ir	85	(26)
TZ Lyr	56132.5157	0.0022	FR	+0.0100	(59)	o	29	(30)
TZ Lyr	56094.4365	0.0005	FR	+0.0063	(59)	o	28	(30)
UZ Lyr	56153.3996	0.0003	WTR	-0.0290	(59)	o	74	(11)
AA Lyr	56136.5454	0.0003	FR	+0.1423	(59)	-Ir	21	(26)
NV Lyr	55384.4527	0.0007	AG	-0.0822	(59)	-Ir	16	(26)
NY Lyr	55384.4114	0.0017	AG	-0.0898	(59)	-Ir	16	(26)
V563 Lyr	56132.4897	0.0029	FR	+0.0028	(42)	o	32	(30)
V574 Lyr	56134.5591	0.0016	SCI	+0.0043	s (42)	o	57	(12)
	56134.4219	0.0010	SCI	+0.0036	(42)	o	53	(12)
V576 Lyr	56094.4093	0.0002	FR			o	23	(30)
beta Lyr	55823.19	0.000	VLM	+0.68	(59)	o	84	(30)
	55816.76	0.000	VLM	+0.70	s (59)	o	54	(30)
UV Mon	55980.4438	0.0020	AG	-0.0721	s (59)	-Ir	29	(26)
CF Mon	55980.3692	0.0092	AG	+0.0217	s (59)	-Ir	28	(26)
DD Mon	55980.4267	0.0014	AG	-0.1132	s (59)	-Ir	28	(26)
EZ Mon	55970.4609	0.0010	FR	+0.0441	s (59)	-Ir	38	(26)
GU Mon	55980.4791	0.0020	AG	-0.0950	(59)	-Ir	30	(26)
V380 Mon	55980.4276	0.0054	AG	-0.0364	(59)	-Ir	30	(26)
V384 Mon	55980.3973	0.0052	AG	-0.0397	(59)	-Ir	31	(26)
V450 Mon	55980.4014	0.0064	AG	+0.0715	(59)	-Ir	28	(26)
V514 Mon	55980.4254	0.0017	AG	+0.0833	(59)	-Ir	30	(26)
V521 Mon	55980.4407	0.0064	AG	-0.1096	(59)	-Ir	28	(26)
V532 Mon	55861.6144	0.0009	MS FR	-0.0302	(59)	o	260	(17)
EW Ori	55953.4105	0.0001	FR	-0.0160	s (59)	-Ir	55	(26)
FT Ori	54750.5629	0.0003	MON	+0.0142	(59)	V	179	(11)
GG Ori	54757.5989	0.0009	MON	+0.0821	(59)	V	93	(11)
V648 Ori	55880.4726	0.0002	MS FR	+0.0660	(59)	o	728	(17)
V1633 Ori	55882.4990	0.0002	MS FR	+0.2055	(68)	o	420	(17)
RV Per	54364.457	0.006	AG	+0.969	(59)	-Ir	62	(11) (2)
IK Per	55953.4503	0.0019	FR	+0.1376	(59)	V	37	(30)
IQ Per	54816.2831	0.0011	MON	+0.0043	(59)	V	375	(11)
KN Per	55834.4380	0.0069	PGL	+0.0111	(53)	V	308	(25)
KR Per	55953.3117	0.0010	FR	-0.0199	s (59)	V	31	(30)
LX Per	55978.6486	0.0007	FR	-0.0548	(59)	-Ir	48	(26) (2)
V570 Per	55978.4546	0.0017	FR	-0.0003	(42)	-Ir	31	(26)
V592 Per	55953.3761	0.0009	FR			V	35	(30)
PV Pup	55970.4448	0.0018	FR	-0.0019	(59)	V	37	(30)
CW Sge	56152.3775	0.0070	WTR	+0.0525	(59)	o	80	(11)
V384 Ser	56045.4316	0.0002	FR	-0.0008	(59)	-Ir	69	(26)
	56132.4991	0.0004	FR	-0.0015	(59)	-Ir	45	(26)
	56132.3628	0.0011	FR	-0.0035	s (59)	-Ir	45	(26)
	56045.5651	0.0001	FR	-0.0017	s (59)	-Ir	69	(26)

Table 1: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
V384 Ser	56065.4508	0.0002	FR	-0.0019	s	(59)	-Ir	45 (26)
	56008.4824	0.0003	FR	+0.0002	s	(59)	-Ir	63 (26)
	56094.4726	0.0003	FR	-0.0029	s	(59)	-Ir	36 (26)
	56008.6162	0.0001	FR	-0.0004		(59)	-Ir	63 (26)
CR Tau	55942.3179	0.0001	MS FR	-0.0015		(67)	o	624 (17)
V1128 Tau	55942.2954	0.0012	SCI	+0.0011		(42)	o	100 (12)
	55942.4478	0.0010	SCI	+0.0008	s	(42)	o	89 (12)
X Tri	54765.3663	0.0001	MON	-0.0720		(59)	V	245 (11)
	54765.3663	0.0002	MON	-0.0720		(59)	-Ir	244 (15)
RW UMa	56009.4979	0.0085	AG	-0.1649		(59)	-Ir	112 (26)
	56009.4934	0.0005	SCI	-0.1694		(59)	o	256 (12)
AN UMa	56002.3990	0.0004	AG	+0.0195	s	(59)	-Ir	119 (26)
	56002.6089	0.0002	AG	-0.0099	s	(59)	-Ir	130 (26)
	56002.6366	0.0002	AG	+0.0178	s	(59)	-Ir	130 (26)
	56002.3709	0.0001	AG	-0.0086	s	(59)	-Ir	119 (26)
AW UMa	55590.6314	0.0001	MON	-0.0780	s	(59)	V	244 (15)
	55578.5648	0.0001	MON	-0.0795		(59)	V	364 (15)
KM UMa	55942.4530	0.0001	MS FR	+0.0003		(42)	o	567 (17)
MS UMa	56009.4749	0.0029	AG	+0.0400	s	(59)	-Ir	112 (26)
V342 UMa	56009.5583	0.0039	AG	-0.0162		(59)	-Ir	112 (26)
V342 UMa	56009.3875	0.0046	AG	-0.0151	s	(59)	-Ir	112 (26)
V343 UMa	56009.3413	0.0169	AG	-0.0072	s	(59)	-Ir	112 (26)
	56009.6175	0.0033	AG	-0.0113		(59)	-Ir	112 (26)
V354 UMa	56019.4003	0.0024	FR	+0.0452		(59)	o	49 (30)
	56019.5476	0.0018	FR	+0.0456	s	(59)	o	49 (30)
	56008.5255	0.0015	FR	+0.0419		(59)	o	32 (30)
V356 UMa	56008.6280	0.0008	FR	-0.0044		(59)	o	29 (30)
V360 UMa	56013.5926	0.0015	AG	-0.0777		(59)	-Ir	38 (26)
	56013.4154	0.0017	AG	-0.0748	s	(59)	-Ir	38 (26)
AG Vir	56002.4223	0.0015	FR	+0.0018	s	(59)	V	47 (30)
AH Vir	56002.6558	0.0030	FR	+0.0420	s	(59)	V	45 (30)
	56002.4514	0.0015	FR	+0.0414		(59)	V	45 (30)
V355 Vir	56002.5960	0.0060	FR				-ir	69 (26)
BK Vul	55481.4556	0.0026	AG	+0.0058	s	(59)	-Ir	40 (26)
FASTT 390	56003.3959	0.0025	AG				-Ir	33 (26)
GSC 00279-00822	56002.4870	0.0003	FR				-Ir	69 (26)
GSC 02016-00444	56015.4875	0.0039	AG				-Ir	34 (26)
	55654.4134	0.0073	AG				-Ir	66 (26)
	55654.5671	0.0088	AG				-Ir	66 (26)
	56009.4721	0.0060	AG				-Ir	49 (26)
GSC 02038-00293	56045.4786	0.0015	FR	+0.0110		(76)	-Ir	48 (26)
	56132.4165	0.0031	FR	+0.0045	s	(76)	-Ir	36 (26)
	56008.5739	0.0021	FR	+0.0144	s	(76)	-Ir	32 (26)
	56094.5265	0.0024	FR	+0.0133		(76)	-Ir	31 (26)
	56065.5288	0.0003	FR	-0.0029	s	(76)	-Ir	36 (26)
GSC 02411-00613	56009.3889	0.0001	FR				-Ir	32 (26)
GSC 02415-00286	56009.3979	0.0004	FR				-Ir	50 (26)
GSC 02423-00517	54829.4881	0.0030	FR				-Ir	96 (19)
	54829.6696	0.0020	FR				-Ir	96 (19)
	56003.4357	0.0001	FR				-Ir	41 (26)
	54829.3005	0.0017	FR				-Ir	96 (19)
	56159.5022	0.0014	FR				o	36 (30)
GSC 02761-01817	56159.5022	0.0014	FR				o	36 (30)
GSC 02898-02901	55953.3665	0.0009	FR				V	36 (30)
GSC 03097-01297	56094.4816	0.0011	FR				o	23 (30)
GSC 03109-00859	56094.4336	0.0053	FR				o	24 (30)
	56132.4178	0.0021	FR				o	28 (30)
GSC 03208-01986	56159.5065	0.0010	FR				o	36 (30)
GSC 03575-06239	56152.4543	0.0031	FR	+0.1627	s	(77)	V	27 (30)
GSC 03578-00263	55851.4750	0.0018	FR				o	46 (30)

Table 1: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Fil	n	Rem	
GSC 03578-00263	56152.5008:	0.0009	FR		V	58	(30)	
	55851.2846	0.0015	FR		o	46	(30)	
GSC 03581-01856	55851.5496	0.0079	FR		o	51	(30)	
	55851.4101	0.0019	FR		o	51	(30)	
	55851.2735	0.0042	FR		o	51	(30)	
GSC 04190-01948	56002.3141	0.0024	SCI		o	127	(12)	
	56046.5129	0.0028	SCI		o	132	(12)	
	55944.4295	0.0021	SCI		o	115	(12)	
GSC 04922-00116	56001.2957	0.0021	FR		-Ir	98	(26)	
	56001.6120	0.0010	FR		-Ir	98	(26)	
NSV 12079	55451.4446	0.0032	AG		-Ir	36	(26)	
NSVS 5071111	56019.3358	0.0018	FR		o	33	(30)	
NSVS 5149208	56013.4579	0.0020	AG		-Ir	38	(26)	
NSVS 710419	55996.3670	0.0029	AG		-Ir	47	(26)	
	55996.5394	0.0011	AG		-Ir	47	(26)	
U-A2 0975-04356998	55624.4539	0.0023	FR		-Ir	38	(26)	
U-A2 1425-14529683	55874.4815	0.0023	AG		-Ir	48	(26)	
U-A2 1425-15156364	55874.4272	0.0121	AG		-Ir	47	(26)	
U-B1 0903-0102370	55980.3892	0.0019	AG		-Ir	30	(26)	
U-B1 1447-0060874	55894.4804	0.0030	AG	-0.0042	$\langle 77 \rangle$	-Ir	44	(26)

Table 2: Times of maxima of pulsating stars

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
AC And	55071.603	0.001	FR	-0.298	(59)	-Ir	69	(26)
FI And	55849.4645	0.0010	MZ	+0.0045	(57)	-Ir	95	(13)
	55896.3442	0.0010	MZ	+0.0042	(57)	-Ir	138	(13)
GP And	55075.6374	0.0007	MON	+0.0040	(59)	o	36	(31)
	54788.3675	0.0006	MON	+0.0049	(59)	-Ir	98	(15)
	54737.5373	0.0005	MON	+0.0038	(59)	V	70	(11)
	54750.4422	0.0008	MON	+0.0047	(59)	V	60	(11)
	54750.3629	0.0007	MON	+0.0041	(59)	V	60	(11)
	54737.4587	0.0007	MON	+0.0038	(59)	V	70	(11)
	55075.6377	0.0004	MON	+0.0043	(59)	V	191	(15)
	54788.2889	0.0004	MON	+0.0050	(59)	-Ir	98	(15)
	55807.6245	0.0005	MON	+0.0054	(59)	V	57	(15)
	54750.2851	0.0009	MON	+0.0050	(59)	V	60	(11)
SW Aqr	55806.3873	0.0012	FLG	+0.0218	(59)	V	117	(24)
RV Ari	55890.3556	0.0008	MON	+0.0054	(59)	V	94	(15)
	55894.2582	0.0004	MON	-0.0034	(59)	V	94	(15)
	55831.5865	0.0006	MON	+0.0002	(59)	V	58	(15)
	55831.6742	0.0006	MON	-0.0052	(59)	V	58	(15)
	55894.3508	0.0006	MON	-0.0039	(59)	V	94	(15)
	55887.3653	0.0005	MON	-0.0048	(59)	V	136	(15)
MV Aur	55943.4388	0.0012	MZ	-0.1295	(59)	-Ir	85	(13)
V574 Aur	56013.443	0.003	FR	-0.059	(59)	-Ir	64	(26)
RS Boo	56009.3602	0.0014	PGL	+0.0003	(46)	V	193	(28)
VY Boo	56015.501	0.001	AG	+0.005	(55)	-Ir	34	(26)
	56009.547	0.001	AG	+0.006	(55)	-Ir	49	(26)
WW Boo	56070.3952	0.0010	MZ	+0.1340	(59)	-Ir	114	(13)
YZ Boo	55640.5793	0.0007	MON	+0.0030	(59)	V	233	(15)
	55644.5350	0.0007	MON	+0.0033	(59)	V	225	(15)
	55640.6834	0.0008	MON	+0.0031	(59)	V	233	(15)
	55644.6392	0.0007	MON	+0.0034	(59)	V	225	(15)
CS Boo	54841.6972	0.0012	MON	-0.0014	(61)	o	62	(31)
	54841.6970	0.0012	MON	-0.0016	(61)	V	101	(31)
DD Boo	56009.487	0.001	AG			-Ir	48	(26)
	56015.619	0.002	AG			-Ir	34	(26)
DG Boo	56061.3936	0.0007	MZ			-Ir	84	(13)
NN Boo	56007.423	0.001	AG	-0.054	(59)	-Ir	42	(26)
UY Cam	55672.3695	0.0002	RAT RCR	+0.0728	(50)	-U-I	104	(27)
CN Cam	55877.4359	0.0015	MZ	-0.0081	(57)	-Ir	235	(13)
	55882.4167	0.0015	MZ	+0.0011	(57)	-Ir	136	(13)
	54219.4109	0.0080	MZ	-0.0139	(57)	-Ir	78	(13)
	55961.3441	0.0020	MZ	+0.0048	(57)	-Ir	133	(13)
	55854.4496	0.0018	MZ	-0.0009	(57)	-Ir	102	(13)
V390 Cam	56015.522	0.001	AG	-0.022	(59)	-Ir	35	(26)
	56015.586	0.001	AG	-0.021	(59)	-Ir	35	(26)
	56015.460	0.001	AG	-0.020	(59)	-Ir	35	(26)
	56015.397	0.001	AG	-0.020	(59)	-Ir	35	(26)
Y Cnc	56002.3863	0.0013	MZ			-Ir	173	(13)
AM Cnc	56012.4156	0.0011	MZ	+0.0370	(59)	-Ir	179	(13) (1)
	56026.378	0.001	GB	+0.059	(59)	o	119	(16)
	56031.3915	0.0005	GB	+0.0540	(59)	o	74	(16)
	56036.4107	0.0005	GB	+0.0547	(59)	o	68	(16)
	56003.4968	0.0013	MZ	+0.0401	(59)	-Ir	59	(13)
Z CVn	55600.3768	0.0006	SCI	-0.1096	(59)	o	33	(12)
	55592.5135	0.0017	SCI	-0.1271	(59)	o	61	(12)
RZ CVn	54842.7414	0.0011	MON	+0.1282	(49)	V	99	(15)
SV CVn	56012.427	0.001	AG	+0.125	(59)	-Ir	49	(26)
SW CVn	56012.403	0.001	AG	-0.112	(59)	-Ir	49	(26)
SY CMi	55959.3555	0.0052	WU	+0.0755	(59)	V	78	(29)
	52285.4986	0.0067	PS	+0.1246	(59)	o	114	(22)

Table 2: (cont.)

Variable	HJD 24....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
SY CMi	55964.4478	0.0064	WU	+0.0738	(59)	V	104	(29)
V845 Cas	55858.2908	0.0013	MZ			-Ir	58	(12)
V845 Cas	55894.2476	0.0014	MZ			-Ir	81	(12)
V1040 Cas	54491.305	0.001	AG	+0.023	(75)	o	84	(26)
RZ Cep	55879.365	0.001	MZ	-0.152	(59)	-Ir	176	(13)
	55879.3988	0.0015	MZ	-0.1180	(59)	-Ir	176	(13) (4)
ET Cep	56055.478	0.001	AG			-Ir	17	(26)
KM Cep	55855.4316	0.0008	MZ	-0.2431	(59)	-Ir	119	(12)
	55838.3946	0.0007	MZ	-0.2407	(59)	-Ir	234	(12)
	55854.2925	0.0015	MZ	-0.2462	(59)	-Ir	110	(12)
	55880.4130	0.0013	MZ	-0.2528	(59)	-Ir	130	(12)
U Com	56008.398	0.001	AG	+0.006	(50)	-Ir	40	(26)
ST Com	54861.6592	0.0011	MON	-0.0020	(48)	V	212	(15)
FV Com	56008.565	0.001	AG	+0.020	(59)	-Ir	40	(26)
UY Cyg	56116.4451	0.0014	PGL	+0.0606	(59)	V	99	(28)
V1369 Cyg	55848.3814	0.0014	MZ	-0.0988	(59)	-Ir	96	(12)
	55856.2946	0.0015	MZ	-0.1022	(59)	-Ir	77	(12)
BT Dra	56007.572	0.001	AG	-0.015	(59)	-Ir	55	(26)
QS Dra	56007.507	0.001	AG			-Ir	55	(26)
	56007.591	0.001	AG			-Ir	55	(26)
	56007.429	0.001	AG			-Ir	55	(26)
V335 Dra	56007.414	0.002	AG	-0.094	(59)	-Ir	55	(26)
RR Gem	55563.3938	0.0021	PGL	-0.0197	(48)	V	238	(28)
	56006.3666	0.0014	PGL	-0.0279	(48)	V	69	(28)
EW Gem	56008.3521	0.0016	MZ	+0.1846	(59)	-Ir	75	(13)
AR Her	56132.4022	0.0014	PGL	+0.0362	(52)	V	174	(25)
	56075.5419	0.0139	PGL	+0.0441	(52)	V	133	(25)
	56116.4621	0.0035	PGL	+0.0756	(52)	V	213	(25)
DY Her	55264.6365	0.0010	MON	-0.0052	(49)	V	80	(11)
	55352.4777	0.0012	MON	-0.0050	(49)	V	146	(11)
	55621.6488	0.0007	MON	-0.0050	(49)	V	215	(15)
	54999.4796	0.0007	MON	-0.0040	(49)	V	147	(11)
	55964.6892	0.0009	MON	-0.0053	(49)	V	145	(15)
V448 Her	56055.506	0.001	AG	+0.163	(59)	-Ir	22	(26)
V759 Her	55058.443	0.005	FR	-0.176	(59)	-Ir	61	(26)
V487 Hya	55979.481	0.002	AG	-0.034	(59)	-Ir	27	(26)
V491 Hya	56003.448	0.002	AG	+0.104	(59)	-Ir	28	(26)
CQ Lac	56159.465	0.005	FR	+0.176	(59)	o	36	(30)
RR Leo	56006.4214	0.0010	WLH	+0.0143	(41)	-U-I	155	(18)
SS Leo	56002.4710	0.0021	PGL	-0.0808	(59)	V	145	(28)
AN Leo	56014.500	0.001	GB	+0.147	(59)	o	155	(16)
	56045.376	0.002	GB	+0.133	(59)	o	122	(16)
BO Leo	56006.4665	0.0014	MZ	-0.0058	(56)	-Ir	73	(13)
BU Leo	56055.4573	0.0020	MZ	-0.1088	(59)	-Ir	120	(13)
BX Leo	56064.4126	0.0019	MZ	-0.1636	(59)	-Ir	91	(13)
DL Leo	55672.3859	0.0010	MZ	+0.0330	(60)	-Ir	89	(12)
HO Leo	56009.433	0.001	GB	+0.088	(59)	o	93	(16)
	56015.435	0.001	GB	+0.092	(59)	o	104	(16)
	56046.380	0.001	GB	+0.123	(59)	o	115	(16)
Y LMi	53068.5178	0.0086	PC	+0.0066	(50)	-Ir	58	(14)
EH Lib	55310.5450	0.0006	MON	+0.0031	(59)	V	99	(15)
	55310.4566	0.0005	MON	+0.0031	(59)	V	165	(11)
	55653.5002	0.0007	MON	+0.0034	(59)	V	74	(11)
	55653.5886	0.0006	MON	+0.0033	(59)	V	74	(11)
	55310.4571	0.0007	MON	+0.0036	(59)	V	99	(15)
	55646.5155	0.0005	MON	+0.0033	(59)	V	143	(15)
	55310.5453	0.0006	MON	+0.0034	(59)	V	165	(11)
SZ Lyn	56012.407	0.001	AG	+0.024	(59)	V	43	(26)
	56002.5231	0.0021	PGL	+0.0239	(59)	V	253	(25)

Table 2: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
SZ Lyn	56008.433	0.001	AG	+0.028	(59)	-Ir	82	(26)
	56008.551	0.001	AG	+0.025	(59)	-Ir	82	(26)
	56012.532	0.001	AG	+0.028	(59)	V	43	(26)
	54758.5988	0.0011	MON	+0.0200	(59)	V	234	(11)
TV Lyn	56012.337	0.002	AG	+0.020	(59)	V	45	(26)
	56012.579	0.002	AG	+0.021	(59)	V	45	(26)
TW Lyn	56012.301	0.001	AG	+0.062	(59)	V	43	(26)
AN Lyn	56050.3713	0.0014	PGL			V	136	(25)
	56014.4033	0.0014	PGL			V	243	(25)
	56035.4350	0.0014	PGL			V	173	(28)
	56010.3768	0.0007	PGL			V	198	(25)
	56075.4335	0.0035	PGL			V	187	(25)
	56012.3398	0.0007	PGL			V	108	(25)
	55642.4279	0.0025	MON			V	100	(15)
	55964.5794	0.0016	MON			V	179	(15)
	54765.6156	0.0019	MON			V	145	(11)
	55644.3925	0.0014	MON			V	388	(15)
	56035.4347	0.0014	PGL			V	220	(25)
	56032.3885	0.0007	PGL			V	114	(25)
	55964.3817	0.0015	MON			V	179	(15)
	55964.4798	0.0018	MON			V	179	(15)
	56071.4031	0.0007	PGL			V	323	(25)
	55642.3308	0.0016	MON			V	131	(11)
	55642.4286	0.0022	MON			V	131	(11)
	56002.4136	0.0021	PGL			V	202	(25)
	56009.3932	0.0007	PGL			V	224	(25)
	56013.3234	0.0007	PGL			V	131	(25)
BE Lyn	55646.3023	0.0006	MON			V	260	(15)
	56002.3621	0.0021	PGL			V	168	(28)
	55968.3289	0.0007	MON			V	240	(15)
	55646.3984	0.0005	MON			V	260	(15)
	56050.3923	0.0035	PGL			V	156	(28)
BE Lyn	56046.4638	0.0021	PGL			V	383	(28)
BO Lyn	55654.4061	0.0018	MON			V	191	(15)
EY Lyn	56012.390	0.001	AG	+0.058	(59)	-Ir	45	(26)
Y Lyr	56094.519	0.005	FR	-0.010	(59)	o	22	(30)
ZZ Lyr	55879.2675	0.0008	MZ	-0.0298	(59)	-Ir	72	(12)
BQ Lyr	55739.5143	0.0010	MZ	+0.0909	(59)	-Ir	141	(12)
CG Lyr	55838.3231	0.0010	MZ	+0.0027	(57)	-Ir	75	(12)
LX Lyr	56094.402	0.006	FR	+0.015	(51)	o	28	(30)
V593 Lyr	56132.546	0.005	FR	-0.036	(59)	o	32	(30)
	56132.443	0.005	FR	-0.037	(59)	o	32	(30)
V567 Oph	55353.5507	0.0024	MON	-0.0052	(49)	V	162	(11)
	56096.5253	0.0035	PGL	-0.0132	(49)	V	128	(28)
V1640 Ori	55958.4399	0.0014	MZ	+0.0089	(56)	-Ir	100	(13)
AV Peg	55796.4274	0.0010	FLG	+0.0109	(41)	V	183	(24)
BP Peg	55817.2891	0.0008	MON	-0.0263	(49)	V	66	(15)
	55852.3450	0.0010	MON	-0.0245	(49)	V	235	(15)
CI Peg	55851.2982	0.0014	MZ	+0.1400	(59)	-Ir	262	(12)
DY Peg	55155.2802	0.0007	MON	-0.0096	(59)	o	135	(31)
	55814.3864	0.0004	MON	-0.0112	(59)	V	192	(15)
	55478.4163	0.0005	MON	-0.0099	(59)	V	290	(15)
	54736.3201	0.0004	MON	-0.0081	(59)	V	55	(11)
	55852.4536	0.0004	MON	-0.0116	(59)	V	323	(15)
	55371.5791	0.0008	MON	-0.0101	(59)	V	30	(15)
	55074.6241	0.0006	MON	-0.0092	(59)	V	49	(11)
	54737.3409	0.0005	MON	-0.0083	(59)	V	49	(11)
	55814.4597	0.0004	MON	-0.0109	(59)	V	192	(15)
	54736.4660	0.0005	MON	-0.0080	(59)	V	55	(11)

Table 2: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
DY Peg	55074.4778	0.0006	MON	-0.0096	(59)	V	49	(11)
	55478.3428	0.0005	MON	-0.0105	(59)	V	290	(15)
	55371.5791	0.0005	MON	-0.0101	(59)	V	43	(11)
	54736.3926	0.0005	MON	-0.0085	(59)	V	55	(11)
	55074.5511	0.0004	MON	-0.0092	(59)	V	49	(11)
	54737.4136	0.0004	MON	-0.0085	(59)	V	49	(11)
	55155.2806	0.0005	MON	-0.0092	(59)	V	394	(15)
	54737.2680	0.0006	MON	-0.0082	(59)	V	49	(11)
	55814.5323	0.0004	MON	-0.0112	(59)	V	192	(15)
KV Per	55960.4454	0.0046	MZ	-0.0046	(59)	-Ir	85	(13)
CW Ser	55632.6013	0.0012	MON	-0.0083	(49)	V	57	(15)
	55628.6282	0.0014	MON	-0.0092	(49)	V	115	(15)
	55629.5736	0.0014	MON	-0.0095	(49)	V	78	(15)
	55625.6019	0.0011	MON	-0.0091	(49)	V	110	(15)
YZ Tau	55964.3102	0.0020	MZ	+0.0251	(59)	-Ir	170	(13)
RV UMa	56019.349	0.004	FR	+0.009	(49)	o	99	(30)
TU UMa	56003.3405	0.0008	QU	-0.0527	(59)	V	202	(13) (3)
	56013.3735	0.0007	PGL	-0.0576	(59)	V	251	(28)
	56013.3776	0.0006	QU	-0.0535	(59)	V	142	(13) (3)
	56019.5119	0.0012	SCI	-0.0534	(59)	o	150	(12)
	55942.5529	0.0010	SCI	-0.0555	(59)	o	154	(12)
	56008.3591	0.0006	QU	-0.0530	(59)	V	141	(13) (3)
AE UMa	56008.4479	0.0012	WN	+0.0068	(49)	V	83	(23)
	56008.3552	0.0008	WN	+0.0001	(49)	V	82	(23)
	56002.4207	0.0006	WN	+0.0008	(49)	V	62	(23)
	56014.4243	0.0014	PGL	-0.0380	(49)	V	127	(28)
	56006.4676	0.0001	WN	+0.0049	(49)	V	44	(23)
	56009.4738	0.0007	WN	+0.0005	(49)	V	61	(23)
	56009.687	0.005	AG	+0.110	(59)	-Ir	112	(26)
BH UMa	55799.3999	0.0018	FLG	+0.0707	(59)	V	75	(24)
GSC 00472-02473	56132.5124	0.0028	PGL			V	248	(28)
GSC 01442-01358	56073.4062	0.0014	WU			V	194	(29)
GSC 01442-01358	56072.4203	0.0016	WU			V	234	(29)
	56076.4441	0.0015	WU			V	133	(29)
	56075.4602	0.0012	WU			V	201	(29)
	56075.3756	0.0015	WU			V	201	(29)
	56157.3792	0.0007	WU			V	308	(29)
GSC 01566-02802	56158.3459	0.0007	WU			V	183	(29)
	56157.4399	0.0007	WU			V	308	(29)
	56158.4069	0.0007	WU			V	183	(29)
GSC 01773-01319	55993.3102	0.0048	WU			V	98	(29)
	55964.2878	0.0014	WU			V	96	(29)
GSC 03428-01497	56009.4247	0.0016	WN			V	73	(23)
	56009.3509	0.0012	WN			V	73	(23)
	56012.4192	0.0016	WN			V	103	(23)
	56003.5130	0.0009	WN			V	98	(23)
	56006.4302	0.0001	WN			V	125	(23)
	56003.4382	0.0008	WN			V	98	(23)
	55499.632	0.001	AG			-Ir	48	(26)
GSC 03755-00845	56006.3322	0.0009	WN			V	115	(23)
	56003.3643	0.0007	WN			V	83	(23)
	56002.3761	0.0008	WN			V	79	(23)
	55993.3206	0.0017	WN			V	154	(23)
	56003.2891	0.0012	WN			V	83	(23)
	56009.3002	0.0007	WN			V	92	(23)
	56008.3111	0.0011	WN			V	96	(23)
	56002.3008	0.0009	WN			V	79	(23)
	56012.3444	0.0007	WN			V	123	(23)
GSC 03851-00240	55686.5565	0.0009	MON			V	50	(15)

Table 2: (cont.)

Variable	HJD 24.....	\pm	Obs	$O - C$	Ref	Fil	n	Rem
GSC 03851-00240	55688.4611	0.0007	MON			V	40	(15)
	55688.3932	0.0005	MON			V	40	(15)
	55661.5562	0.0006	MON			V	37	(15)
	55661.4876	0.0008	MON			V	37	(15)
	55686.3546	0.0009	MON			V	50	(15)
	55688.5981	0.0007	MON			V	40	(15)
	55688.5305	0.0009	MON			V	40	(15)
	55661.4185	0.0007	MON			V	37	(15)

Observers:

AG: Agerer, F., Tiefenbach
 ATB: Achterberg, H., Norderstedt
 DIE: Dietrich, M., Radebeul
 FLG: Flehsig, Dr. G., Teterow
 FR: Frank, P., Velden
 GB: Gröbel, R., Eckental
 MON: Monninger, Dr. G., Gemmingen
 MS: Moschner, W., Lennestadt
 MZ: Maintz, Dr. G., Bonn
 PC: Poschinger, K., Hamburg
 PGL: Pagel, Dr. L., Klockenhagen
 PS: Paschke, A., Rüti
 QU: Quester, W., Esslingen
 RAT: Rätz, M., Herges-Hallenberg
 RCR: Rätz, K., Herges-Hallenberg
 SCI: Schmidt, U., Karlsruhe
 SIR: Schirmer, J., Willisau
 VLM: Vollmann, W., Wien
 WLH: Wollenhaupt, G., Oberwiesenthal
 WN: Wischnewski, M., Springe
 WTR: Walter, F., München
 WU: Wunder, E., Edingen

Remarks:

n number of measurements
 : uncertain
 s secondary minimum
 (1) normal maximum
 (2) normal minimum
 (3) maximum determination as described in
 1999AJ....118.2442W (Wade et. Al.)
 (4) double maximum: time of the second maximum
 (5) telescope Celestron 8
 (6) telescope Celestron 14
 Photometer
 (11) CCD camera ST-6: chip 375*242 uncoated
 (12) CCD camera ST-7
 (13) CCD camera ST-7E
 (14) CCD camera ST-10
 (15) CCD camera ST-10 XMR/XME
 (16) CCD camera ST-8 XME
 (17) CCD camera ST-9 XE
 (18) CCD camera ST-7 XE
 (19) CCD camera OES-LcCCD12
 (20) CCD camera Pictor 1616XT
 (21) CCD camera Pictor 416XT
 (22) CCD camera hisis 22
 (23) CCD camera Meade DSI Pro 2
 (24) CCD camera Sigma 402: chip KAF0402ME
 (25) CCD camera Artemis 4021
 (26) CCD camera Sigma 1603
 (27) CCD camera Moravian G2-1600
 (28) CCD camera QHY8
 (29) CCD camera Meade DSI Pro 3
 (30) CCD camera Canon EOS 450D
 (31) CCD camera MX516
 (32) CCD camera Canon EOS1000D
 Filter
 o without filter
 B B-filter
 V V-filter
 R R-filter
 I I-filter
 Ic I-filter cousins
 -Ir IR cut-off filter
 -U-I U and IR cut-off filter

References:

Lichtenknecker Database of the BAV http://www.bav-astro.de/LkDB/index.php?lang=en&sprache_dial=de
 BAV Services for Scientists, 2013, http://www.bav-astro.de/sfs/index.php?sprache=en&sprache_dial=de
 Achterberg, H., 2003, *BAV Rb.*, **52**, 93. (53)

- Agerer, F. et al., 1988, *IBVS*, No. 3234 (*BAV Mitt.*, **51**) (62)
 Agerer, F. Splittgerber, E., 1993, *IBVS*, No. 3942 (*BAV Mitt.*, **67**) (64)
 Agerer, F. et al., 1994, *BAV Mitt.*, **69**, <http://www.bav-astro.de/sfs/mitteilungen/BAVM069.pdf> (44)
 Agerer, F., 1999, *IBVS*, No. 4778 (*BAV Mitt.*, **123**) (67)
 Agerer, F., Hübscher, J., 2001, *IBVS*, No. 5016 (*BAV Mitt.*, **132**) (71)
 Agerer, F., Berthold, T., 2006, *IBVS*, No. 5700, Obj. 80 (75)
 Agerer, F., Quester, W., 2008, *BAV Rb.*, **57**, 232. (54)
 Agerer, F., 2010, *PZP*, **10**, 4. (77)
 Baldwin, M.E., 2000, *IBVS*, No. 4911 (69)
 Bernhard, K. Frank, P., 2006, *IBVS*, No. 5719 (*BAV Mitt.*, **177**) (76)
 Berthold, T., Busch, H., 1998, *BAV Rb.*, **47**, 33, <http://www.bavdata-astro.de/rb/RB1998-2/seite33.html> (47)
 Dahm, M., Kleikamp, W., 1998, *BAV Rb.*, **47**, 67, <http://www.bavdata-astro.de/rb/RB1998-3/seite67.html> (48)
 Dahm, M., Kleikamp, W., 1999, *BAV Rb.*, **48**, 189, <http://www.bavdata-astro.de/rb/RB1999-4/seite189.html> (49)
 Dahm, M., 2000, *BAV Rb.*, **49**, 41, <http://www.bavdata-astro.de/rb/RB2000-2/seite41.html> (50)
 Dahm, M., Paschke, A., 2000, *BAV Rb.*, **49**, 105, <http://www.bavdata-astro.de/rb/RB2000-3/seite105.html> (51)
 Dallaportas, S., et. al., 2000, *IBVS*, No. 4990 (70)
 Frank, P. et al., 1996, *IBVS*, No. 4386 (*BAV Mitt.*, **88**) (66)
 Hübscher, J., et al., 1992, *IBVS*, No. 3811 (*BAV Mitt.*, **63**) (63)
 Hübscher, J., et al., 1994, *BAV Mitt.*, **68**, <http://www.bav-astro.de/sfs/mitteilungen/BAVM068.pdf> (43)
 Huisong, T., 1984, *IBVS*, No. 2533 (60)
 Husar, D., 2003, *BAV Rb.*, **52**, 1. (52)
 Kaiser, D. H., et. al., 2002, *IBVS*, No. 5347 (73)
 Kreiner, J. M., 2004, *Acta Astr.*, **54**, 207. (42)
 Le Borgne, J. F., et. al., 2007, *Astron. Astrophys.*, **476**, 307. (41)
 Lichtenknecker, D., 1986, *BAV Rb.*, **35**, 41, <http://www.bavdata-astro.de/rb/RB1986-2/seite41.html> (45)
 Lloyd, C. et al., 1999, *IBVS*, No. 4797 (*BAV Mitt.*, **125**) (68)
 Maintz, G., 2010, *BAV Rb.*, **59**, 170. (55)
 Maintz, G., 2011, *BAV Rb.*, **60**, 164. (56)
 Maintz, G., 2012, *BAV Rb.*, **61**, 83. (57)
 Otero, S. A., 2003, *IBVS*, No. 5480 (74)
 Quester, W., Bernhard, K., 2001, *IBVS*, No. 5161 (*BAV Mitt.*, **138**) (72)
 Roizman, G. S., et. al., 1995, *IBVS*, No. 4267 (65)
 Rossiger, S., 1986, *IBVS*, No. 2855 (61)
 Samus, N. N., et. al., 2011, <http://www.sai.msu.su/gcvs/gcvs/index.htm> (59)
 Wunder, E., 1987, *BAV Rb.*, **36**, 157, <http://www.bavdata-astro.de/rb/RB1987-4/seite157.html> (46)
 Wunder, E., 2012, *BAV Rb.*, **61**, 93. (58)

ERRATUM FOR IBVS 4472 (BAVM 99)

TY UMa 50192.5267 FR has to be deleted
 TY UMa 50193.5905 FR has to be deleted
 TY UMa 50194.4775 FR has to be deleted
 TY UMa 50195.3645 FR has to be deleted
 TY UMa 50195.5409 FR has to be deleted

ERRATUM FOR IBVS 5643 (BAVM 172)

SY CMi 52285.538 PS has to be deleted

ERRATUM FOR IBVS 5959 (BAVM 214)

GW Boo 55310.4066 AG has to be deleted
 55310.5829 AG has to be deleted

ERRATUM FOR IBVS 6010 (BAVM 220)

DI Leo 55672.3859 MZ has to be deleted
 BQ Lyr 55739.4639 MZ has to be deleted
 GSC 01330-00239 54910.3597 ATB has to be deleted