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

(BAV MITTEILUNGEN NO. 225)

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In this 72th compilation of BAV results, photoelectric observations obtained mostly in the years 2011 and 2012 are presented on more than 600 variable stars giving over 1,200 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.....	$\pm$	Obs	$O - C$	Bibliography	File	n	Rem
TT And	55758.4051	.0009	MS FR	+0.0021	GCVS 2012	o	351	6)
UU And	55850.4181	.0001	RAT RCR	-0.0325	GCVS 2012	-U-I	283	15)
WZ And	55807.4200	.0004	MS FR	+0.0020	GCVS 2012	o	340	6)
AA And	55839.5130	.0123	AG	+0.0195	s	GCVS 2012	-Ir	40 13)
	55849.3087	.0020	AG	-0.0033	GCVS 2012	-Ir	50	13)
AB And	55851.3250	.0018	AG	-0.0063	s	GCVS 2012	V	63 13)
	55851.4919	.0007	AG	-0.0053	GCVS 2012	V	63	13)
AD And	55829.3556	.0008	JU	-0.0487	s	GCVS 2012	o	118 3)
	55849.5734	.0011	AG	-0.0033	GCVS 2012	-Ir	49	13)
BD And	55832.3609	.0004	JU	-0.0216	GCVS 2012	o	80	3)
	55839.3033	.0021	AG	-0.0228	GCVS 2012	-Ir	43	13)
	55873.5574	.0025	AG	-0.0237	GCVS 2012	-Ir	54	13)
	55877.2615	.0004	MS FR	-0.0229	GCVS 2012	o	276	6)
BL And	55815.3623	.0025	AG	-0.0020	GCVS 2012	-Ir	44	13)
	55839.5706	.0043	AG	+0.0067	s	GCVS 2012	-Ir	41 13)
	55849.3133	.0014	AG	-0.0026	GCVS 2012	-Ir	49	13)
	55873.5212	.0090	AG	+0.0057	s	GCVS 2012	-Ir	54 13)
BX And	55850.4604	.0017	AG	-0.0094	GCVS 2012	-Ir	54	13)
CP And	55850.4863	.0012	AG			-Ir	54	13)
CZ And	55833.5371	.0003	RAT RCR			-U-I	348	15)
DK And	55839.4269	.0017	AG	+0.0026	BAVR 55,106	-Ir	41	13)
	55849.4556	.0017	AG	+0.0022	s	BAVR 55,106	-Ir	49 13)
DS And	55828.3301	.0008	DIE	+0.0083	GCVS 2012	o	37	19)
	55829.3360	.0028	DIE	+0.0037	GCVS 2012	o	36	19)
EP And	55889.2774	.0009	BHE	+0.0688	GCVS 2012	-Ir	84	17)
GZ And	55850.2730	.0012	AG	-0.0012	s	GCVS 2012	-Ir	52 13)
	55850.4258	.0016	AG	-0.0009	GCVS 2012	-Ir	52	13)
	55850.5776	.0021	AG	-0.0016	s	GCVS 2012	-Ir	52 13)
	55872.3868	.0019	JU	-0.0011	GCVS 2012	o	45	3)
	55880.3170	.0013	BHE	-0.0014	GCVS 2012	-Ir	195	17)
KN And	55859.3359	.0011	AG	+0.0979	BAVR 39,19	-Ir	45	13)
KP And	55838.5170	.0002	RAT RCR	+0.0512	GCVS 2012	-U-I	280	15)
LM And	55850.3890	.0005	AG	-0.0108	GCVS 2012	-Ir	53	13)
MO And	55858.3170	.0002	MS FR	+0.0074	GCVS 2012	o	567	6)
QR And	55857.4089	.0015	AG			-Ir	82	13)
QX And	55861.2883	.0013	MS FR	+0.0929	s	GCVS 2012	o	320 6)
V404 And	55849.3946	.0010	JU	+0.0121	GCVS 2012	o	57	3)
V412 And	55887.3202	.0012	JU	+0.0651	s	GCVS 2012	o	79 3)
V422 And	55873.2735	.0030	AG	-0.0046	GCVS 2012	-Ir	52	13)
V425 And	55839.5153	.0030	AG	-0.0349	GCVS 2012	-Ir	42	13)
	55849.4612	.0026	AG	-0.0342	GCVS 2012	-Ir	49	13)
V441 And	55866.3051	.0005	MS FR	+0.1101	s	GCVS 2012	o	440 6)
V449 And	55850.2920	.0009	AG			-Ir	54	13)
	55850.4611	.0006	AG			-Ir	54	13)
	55850.6304	.0002	AG			-Ir	54	13)
V452 And	55849.3681	.0026	AG	+0.1135	GCVS 2012	-Ir	49	13)
	55873.3397	.0074	AG	+0.1143	s	GCVS 2012	-Ir	54 13)
V463 And	55830.6260	.0003	RAT RCR	-0.0585	GCVS 2012	-U-I	336	15)
	55832.4509	.0002	RAT RCR	-0.0611	s	GCVS 2012	-U-I	340 15)
	55832.6554	.0007	RAT RCR	-0.0596	GCVS 2012	-U-I	340	15)
CX Aqr	55855.2662	.0003	DIE	-0.0032	GCVS 2012	o	32	19)
HS Aqr	48830.440	.001	WU	-0.005	GCVS 2012	V	41	1)
HV Aqr	55805.3636	.0002	RAT RCR			-U-I	123	15)
V343 Aql	55828.3377	.0024	FR	-0.0554	GCVS 2012	o	38	14)
V417 Aql	55795.5348	.0027	AG	-0.0580	BAVR 33,152	-Ir	39	13)
V418 Aql	55795.4758	.0035	AG	-0.0005	GCVS 2012	-Ir	38	13)
V420 Aql	55795.5330	.0025	AG	+0.3125	GCVS 2012	-Ir	34	13)
V1713 Aql	55795.4037	.0013	AG			-Ir	34	13)
RX Ari	55856.4602	.0139	AG	+0.0669	s	GCVS 2012	V	57 13)
	55901.249 :	.003	BHE	+0.067	GCVS 2012	-Ir	80	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$		Bibliography	Fil	n	Rem
SS Ari	55856.3359	.0023	AG	-0.0069	s	GCVS 2012	V	57	13)
	55856.5367	.0016	AG	-0.0091		GCVS 2012	V	57	13)
XZ Ari	55856.3202	.0042	AG				-Ir	57	13)
	55856.4482	.0039	AG				-Ir	57	13)
	55856.5839	.0017	AG				-Ir	57	13)
BQ Ari	55866.378	.000	RAT RCR	-0.020		GCVS 2012	-U-I	110	15)
ZZ Aur	55851.4580	.0002	MS FR	+0.0185		GCVS 2012	o	576	6)
CI Aur	55861.4918	.0005	MS FR	+0.1354		GCVS 2012	o	555	6)
IY Aur	55957.5053	.0035	PGL	-0.1305		GCVS 2012	V	104	12)
MO Aur	55856.4259	.0017	MS FR	+0.0912		BAVM 68	o	494	6)
NN Aur	55887.3193	.0004	FR				-Ir	77	13)
V523 Aur	55820.6211	.0008	MS FR				o	390	6)
V585 Aur	55615.3521	.0001	RAT RCR	+0.0292		GCVS 2012	-U-I	198	15)
V596 Aur	55619.3130	.0002	RAT RCR	+0.0086	s	GCVS 2012	-U-I	94	15)
V607 Aur	55866.5805	.0001	RAT RCR	+0.5029		GCVS 2012	-U-I	232	15)
V623 Aur	55621.4724	.0005	RAT RCR	+0.1050		GCVS 2012	-U-I	213	15)
V627 Aur	55621.3658	.0007	RAT RCR	-0.0962		GCVS 2012	-U-I	210	15)
SU Boo	55601.5353	.0002	MS FR	+0.0163		GCVS 2012	o	550	6)
TU Boo	55592.5267	.0001	MS FR	+0.0266	s	GCVS 2012	o	371	6)
	55602.5803	.0002	MS FR	+0.0273	s	GCVS 2012	o	329	6)
TZ Boo	55716.5058	.0001	RAT RCR	-0.0295		BAVM 68	-U-I	185	15)
UW Boo	55676.4280	.0007	RAT RCR	-0.0123	s	GCVS 2012	-U-I	220	15)
XY Boo	55682.4033	.0001	RAT RCR	+0.0337	s	GCVS 2012	-U-I	141	15)
GH Boo	55628.4586	.0006	RAT RCR				-U-I	238	15)
GR Boo	55614.4970	.0005	MS FR				o	780	6)
	55677.4013	.0002	MS FR				o	336	6)
HH Boo	55676.4812	.0002	RAT RCR	-0.0377	s	GCVS 2012	-U-I	220	15)
UU Cam	55942.3979	.0023	JU	+0.0427		GCVS 2012	o	71	3)
	55969.3566	.0014	JU	+0.0416		GCVS 2012	o	55	3)
XZ Cam	55643.3345	.0010	RAT RCR	+0.1131		GCVS 2012	-U-I	243	15)
AO Cam	55896.2846	.0002	JU	+0.0462		GCVS 2012	o	42	3)
AT Cam	55648.3443	.0002	RAT RCR	-0.0267	s	BAVR 32,36	-U-I	124	15)
	55879.3600	.0069	PGL	-0.0317		BAVR 32,36	V	251	16)
AZ Cam	55648.5040	.0001	RAT RCR	+0.0213		GCVS 2012	-U-I	301	15)
CD Cam	55887.4455	.0067	AG				-Ir	74	13)
FN Cam	55622.5246	.0001	RAT RCR				-U-I	350	15)
HW Cam	55615.5941	.0001	RAT RCR				-U-I	334	15)
LR Cam	55625.4144	.0001	RAT RCR				-U-I	175	15)
NQ Cam	55887.2744	.0009	AG	-0.0748	s	GCVS 2012	-Ir	74	13)
	55887.4567	.0016	AG	-0.0735		GCVS 2012	-Ir	74	13)
	55887.6366	.0009	AG	-0.0747	s	GCVS 2012	-Ir	74	13)
NS Cam	55614.4872	.0004	RAT RCR	-0.0569		GCVS 2012	-U-I	326	15)
	55887.5897	.0040	AG	-0.0608		GCVS 2012	-Ir	74	13)
NU Cam	55621.6503	.0002	RAT RCR	+0.0618		GCVS 2012	-U-I	266	15)
OQ Cam	55609.2946	.0002	RAT RCR	-0.0154	s	GCVS 2012	-U-I	142	15)
PP Cam	55960.3175	.0014	JU	-0.0447	s	GCVS 2012	o	94	3)
	55978.3862	.0013	JU	-0.0446		GCVS 2012	o	73	3)
V335 Cam	55642.3161	.0003	RAT RCR	-0.0070		GCVS 2012	-U-I	180	15)
V382 Cam	55645.3523	.0001	RAT RCR	+0.0196		GCVS 2012	-U-I	224	15)
V395 Cam	55616.3496	.0004	RAT RCR	+0.0256		GCVS 2012	-U-I	211	15)
	55649.3836	.0004	RAT RCR	+0.0272		GCVS 2012	-U-I	178	15)
V514 Cam	55645.5666	.0002	RAT RCR				-U-I	277	15)
EH Cnc	55887.5995	.0002	MS FR				o	590	6)
IL Cnc	55627.3762	.0002	RAT RCR	+0.0635	s	GCVS 2012	-U-I	182	15)
IU Cnc	55626.3803	.0002	RAT RCR	-0.0192	s	GCVS 2012	-U-I	189	15)
RS CVn	55700.5012	.0006	FR	-0.7137		GCVS 2012	-Ir	82	13)
TU CMi	55615.3947	.0014	MS FR	-0.0498		GCVS 2012	o	440	6)
BH CMi	48683.480	.001	WU				B	37	1)
TY Cap	55775.4426	.0002	RAT RCR				-U-I	187	15)
TW Cas	55807.4191	.0001	WLH	-0.0064		GCVS 2012	-Ir	299	4)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
XX Cas	55858.5329	.0231	AG	+0.0290	s	GCVS 2012	-Ir	61 (13)
AB Cas	55804.4452	.0174	AG	+0.1156	s	GCVS 2012	-Ir	55 (13)
AE Cas	55804.4133	.0013	AG	+0.0659		GCVS 2012	-Ir	55 (13)
AH Cas	55944.3596	.0005	JU				o	92 (3)
AL Cas	55804.4364	.0010	AG	+0.0070		GCVS 2012	-Ir	55 (13)
AQ Cas	55808.0400	.0100	AG	-0.0369		GCVS 2012	-Ir	72 (13)
AT Cas	55857.3723	.0097	AG	-0.0851		GCVS 2012	-Ir	81 (13)
AX Cas	55820.3715	.0005	MS FR	-0.1014		GCVS 2012	o	750 (6)
	55835.3807	.0009	JU	-0.1016		GCVS 2012	o	80 (3)
	55858.5025	.0040	AG	-0.0943	s	GCVS 2012	-Ir	52 (13)
BG Cas	55857.5738	.0064	AG	+0.4368		GCVS 2012	-Ir	81 (13)
BH Cas	55838.3941	.0029	AG				-Ir	57 (13)
	55838.5950	.0017	AG				-Ir	57 (13)
	55857.2667	.0028	AG				-Ir	80 (13)
	55857.4710	.0059	AG				-Ir	80 (13)
BN Cas	55858.5343	.0078	AG	+0.5114		GCVS 2012	-Ir	61 (13)
BS Cas	55858.4093	.0025	AG	-0.0187		IBVS 4778	-Ir	61 (13)
	55858.6300	.0018	AG	-0.0182	s	IBVS 4778	-Ir	61 (13)
	55859.2905	.0020	AG	-0.0184		IBVS 4778	-Ir	54 (13)
	55859.5104	.0024	AG	-0.0188	s	IBVS 4778	-Ir	54 (13)
BU Cas	55808.4239	.0024	AG	-0.0227		GCVS 2012	-Ir	26 (13)
CR Cas	55836.4147	.0015	JU	+0.1482	s	GCVS 2012	o	61 (3)
CW Cas	55884.2307	.0006	FR	-0.0031		GCVS 2012	o	43 (14)
	55884.3893	.0007	FR	-0.0039	s	GCVS 2012	o	43 (14)
DN Cas	55879.3873	.0123	AG	-0.0270	s	GCVS 2012	-Ir	64 (13)
	55880.5433	.0002	RAT RCR	-0.0265		GCVS 2012	-U-I	358 (15)
	55953.3388	.0035	PGL	-0.0261	s	GCVS 2012	V	208 (12)
DP Cas	55807.4850	.0083	AG	+0.0071		GCVS 2012	-Ir	56 (13)
DZ Cas	55787.4647	.0003	AG	-0.1711	s	GCVS 2012	-Ir	30 (13)
EG Cas	55838.5382	.0038	AG	+0.0952		GCVS 2012	-Ir	56 (13)
	55874.3050	.0022	AG	+0.0918	s	GCVS 2012	-Ir	56 (13)
EN Cas	55856.6264	.0088	AG	+0.2601		GCVS 2012	-Ir	54 (13)
	55874.3730	.0076	AG	+0.2558		GCVS 2012	-Ir	58 (13)
EP Cas	55797.4460	.0012	AG	-0.0372	s	GCVS 2012	-Ir	30 (13)
	55829.5771	.0001	RAT RCR	-0.0370		GCVS 2012	-U-I	274 (15)
	55838.5258	.0020	AG	-0.0361		GCVS 2012	-Ir	66 (13)
	55856.4211	.0024	AG	-0.0365		GCVS 2012	-Ir	54 (13)
	55874.3166	.0013	AG	-0.0367		GCVS 2012	-Ir	56 (13)
ES Cas	55874.3783	.0080	AG	-0.4700		GCVS 2012	-Ir	55 (13)
EY Cas	55787.5147	.0006	AG	+0.0442		GCVS 2012	-Ir	31 (13)
	55838.3641	.0018	AG	+0.0450	s	GCVS 2012	-Ir	56 (13)
	55838.6043	.0004	AG	+0.0443		GCVS 2012	-Ir	56 (13)
	55856.4374	.0020	AG	+0.0442		GCVS 2012	-Ir	54 (13)
	55874.2698	.0018	AG	+0.0435		GCVS 2012	-Ir	61 (13)
	55874.5118	.0019	AG	+0.0445	s	GCVS 2012	-Ir	61 (13)
GG Cas	55879.2557	.0010	FR	-0.0655		GCVS 2012	-Ir	95 (13)
	55894.2859	.0082	AG	-0.0702		GCVS 2012	-Ir	44 (13)
GK Cas	55879.3925	.0028	AG	-0.3367		GCVS 2012	-Ir	65 (13)
IL Cas	55884.4362	.0009	FR	+0.0003		BAVR 51.1	-Ir	38 (13)
IQ Cas	55859.4361	.0097	AG	-0.2571		GCVS 2012	-Ir	55 (13)
IR Cas	55815.4271	.0011	AG	+0.0086	s	GCVS 2012	-Ir	44 (13)
	55839.5926	.0016	AG	+0.0097		GCVS 2012	-Ir	40 (13)
	55873.2867	.0017	AG	+0.0099	s	GCVS 2012	-Ir	53 (13)
IS Cas	55835.5128	.0001	RAT RCR	+0.0666		GCVS 2012	-U-I	328 (15)
IT Cas	55828.5451	.0001	RAT RCR	+0.0636		GCVS 2012	-U-I	282 (15)
	55836.3389	.0028	PGL	+0.0641		GCVS 2012	V	151 (16)
	55873.5567	.0039	AG	+0.0573	s	GCVS 2012	-Ir	57 (13)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
IV Cas	55775.4590	.0001	MS FR	-0.0896	GCVS 2012	o	825	6)
	55808.4092	.0002	MS FR	-0.0907	GCVS 2012	o	530	6)
	55851.3448	.0004	QU	-0.0917	GCVS 2012	V	77	4)
	55873.3127	.0010	AG	-0.0913	GCVS 2012	-Ir	53	13)
KR Cas	55797.5313	.0040	AG	-0.1522	GCVS 2012	-Ir	25	13)
MN Cas	55806.31	.00	MS FR	+0.01	GCVS 2012	o	992	6)
MS Cas	55857.6211	.0033	AG	+0.0421	GCVS 2012	-Ir	81	13)
MT Cas	55797.5418	.0087	AG	+0.0189	s GCVS 2012	-Ir	23	13)
MV Cas	55857.6031	.0054	AG	-0.0991	s GCVS 2012	-Ir	80	13)
NN Cas	55856.4737	.0086	AG	+0.1084	s GCVS 2012	-Ir	54	13)
NU Cas	55787.6010	.0003	AG	-0.1366	s GCVS 2012	-Ir	31	13)
	55797.5675	.0013	AG	-0.1369	s GCVS 2012	-Ir	28	13)
	55856.6013	.0024	AG	-0.1376	s GCVS 2012	-Ir	54	13)
	55874.2355	.0007	AG	-0.1371	s GCVS 2012	-Ir	35	13)
OX Cas	55858.4661	.0057	AG	+0.0078	s GCVS 2012	-Ir	61	13)
V344 Cas	55874.4168	.0021	AG	-0.1158	s GCVS 2012	-Ir	48	13)
V345 Cas	55808.4653	.0008	AG	-0.0177	GCVS 2012	-Ir	26	13)
	55815.3537	.0010	AG	-0.0169	GCVS 2012	-Ir	44	13)
	55839.4607	.0003	AG	-0.0165	GCVS 2012	-Ir	40	13)
	55873.5566	.0064	AG	-0.0142	s GCVS 2012	-Ir	52	13)
V350 Cas	55815.4763	.0020	AG	-0.0572	GCVS 2012	-Ir	44	13)
V357 Cas	55856.3299	.0030	AG	-0.0049	s GCVS 2012	-Ir	54	13)
	55874.5936	.0047	AG	+0.0009	s GCVS 2012	-Ir	47	13)
V359 Cas	55838.4792	.0068	AG	+0.0175	s IBVS 5016	-Ir	56	13)
	55849.5615	.0002	RAT RCR	+0.0169	IBVS 5016	-U-I	295	15)
	55874.3362	.0007	MS FR	+0.0180	IBVS 5016	o	531	6)
	55874.3363	.0030	AG	+0.0181	IBVS 5016	-Ir	56	13)
V360 Cas	55873.4646	.0044	AG	-0.1029	GCVS 2012	-Ir	54	13)
	55882.4666	.0017	SCI	-0.1045	GCVS 2012	o	35	3)
V361 Cas	55787.3956	.0029	AG	-0.2046	GCVS 2012	-Ir	32	13)
	55905.3777	.0007	RAT RCR	-0.2050	GCVS 2012	-U-I	127	15)
	V366 Cas	55858.3228	.0030	AG	-0.0205	IBVS 4798	-Ir	61
V368 Cas	55883.3271	.0034	FR	-0.0298	GCVS 2012	-Ir	31	13)
V374 Cas	55797.5505	.0022	AG	+0.0206	GCVS 2012	-Ir	31	13)
	55856.5821	.0033	AG	+0.0204	s GCVS 2012	-Ir	54	13)
	55874.3431	.0041	AG	+0.0197	s GCVS 2012	-Ir	55	13)
V375 Cas	55878.3180	.0005	FR	+0.2515	BAVR 32,36	-Ir	79	13)
	55942.4127	.0007	QU	+0.2542	s BAVR 32,36	V	97	4)
V381 Cas	55794.5174	.0032	AG	-0.0019	s BAVR 32,36	-Ir	64	13)
V387 Cas	55858.5333	.0027	AG	+0.1089	GCVS 2012	-Ir	61	13)
V411 Cas	55797.4914	.0009	AG	+0.1740	GCVS 2012	-Ir	22	13)
V419 Cas	55879.2275	.0012	FR			-Ir	82	13)
V427 Cas	55874.3044	.0021	AG	-0.2274	s GCVS 2012	-Ir	48	13)
V471 Cas	55817.3650	.0009	AG	-0.0713	s GCVS 2012	-Ir	35	13)
	55817.5647	.0022	AG	-0.0396	GCVS 2012	-Ir	35	13)
	55894.3439	.0014	AG	-0.0359	s GCVS 2012	-Ir	43	13)
	55894.5450	.0003	AG	-0.0028	GCVS 2012	-Ir	43	13)
V473 Cas	55817.4635	.0024	AG	-0.0195	s IBVS 4669	-Ir	34	13)
	55856.3069	.0004	MS FR	-0.0217	IBVS 4669	o	426	6)
	55859.4233	.0033	AG	-0.0212	s IBVS 4669	-Ir	54	13)
	55894.3234	.0024	AG	-0.0198	s IBVS 4669	-Ir	44	13)
	55894.5285	.0014	AG	-0.0224	IBVS 4669	-Ir	44	13)
V520 Cas	55839.4508	.0027	AG	-0.1021	s GCVS 2012	-Ir	43	13)
	55856.3509	.0027	AG	-0.0929	GCVS 2012	-Ir	54	13)
	55856.5946	.0022	AG	-0.0940	s GCVS 2012	-Ir	54	13)
	55905.3308	.0002	RAT RCR	-0.0720	GCVS 2012	-U-I	136	15)
	55943.2919	.0015	JU	-0.0541	s GCVS 2012	o	88	3)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
V523 Cas	55794.3984	.0008	AG	-0.0245	GCVS 2012	-Ir	64	13)
	55794.5140	.0005	AG	-0.0257	s GCVS 2012	-Ir	64	13)
	55850.3669	.0002	JU	-0.0249	s GCVS 2012	o	104	3)
	55850.4836	.0003	JU	-0.0250	GCVS 2012	o	104	3)
V544 Cas	55794.6022	.0029	AG			-Ir	64	13)
V546 Cas	55857.6239	.0043	AG	-0.0057	GCVS 2012	-Ir	81	13)
V608 Cas	55804.4469	.0006	AG			-Ir	55	13)
V651 Cas	55874.5883	.0018	AG	+0.0014	s IBVS 3554	-Ir	56	13)
V765 Cas	55859.5542	.0093	AG			-Ir	54	13)
V776 Cas	55804.3990	.0163	AG			-Ir	55	13)
V860 Cas	55794.4123	.0173	AG			-Ir	64	13)
V952 Cas	55804.5716	.0024	AG	-0.0061	BAVM 148	-Ir	55	13)
V969 Cas	55858.2634	.0074	AG			-Ir	61	13)
V1001 Cas	55873.3517	.0010	AG	+0.0582	s GCVS 2012	-Ir	53	13)
	55873.5637	.0017	AG	+0.0558	GCVS 2012	-Ir	53	13)
V1004 Cas	55851.5674	.0002	RAT RCR	+0.0961	s GCVS 2012	-U-I	344	15)
V1011 Cas	55808.4448	.0025	AG	+0.0743	s GCVS 2012	-Ir	33	13)
	55858.5540	.0035	AG	+0.0796	s GCVS 2012	-Ir	61	13)
	55873.5517	.0001	RAT RCR	+0.0595	GCVS 2012	-U-I	366	15)
V1063 Cas	55858.3200	.0015	AG	+0.0617	GCVS 2012	-Ir	61	13)
	55858.5773	.0035	AG	+0.0618	s GCVS 2012	-Ir	61	13)
	55873.5517	.0001	RAT RCR	+0.0595	GCVS 2012	-U-I	366	15)
V1094 Cas	55858.3200	.0015	AG	+0.0617	GCVS 2012	-Ir	61	13)
	55858.5773	.0035	AG	+0.0618	s GCVS 2012	-Ir	61	13)
	55873.5517	.0001	RAT RCR	+0.0595	GCVS 2012	-U-I	366	15)
	55858.3200	.0015	AG	+0.0617	GCVS 2012	-Ir	61	13)
V1107 Cas	55858.2432	.0008	AG			-Ir	52	13)
	55858.3804	.0013	AG			-Ir	52	13)
	55858.5156	.0010	AG			-Ir	52	13)
	55893.2382	.0009	AG			-Ir	19	13)
V1115 Cas	55817.3613	.0029	AG	-0.0471	s GCVS 2012	-Ir	34	13)
	55817.5199	.0015	AG	-0.0502	GCVS 2012	-Ir	34	13)
	55894.2998	.0007	AG	-0.0516	s GCVS 2012	-Ir	43	13)
	55894.4585	.0015	AG	-0.0546	GCVS 2012	-Ir	43	13)
V1138 Cas	55817.4101	.0183	AG	+0.0061	s GCVS 2012	-Ir	34	13)
	55859.3173	.0010	AG	+0.0043	GCVS 2012	-Ir	54	13)
	55894.4398	.0021	AG	+0.0030	GCVS 2012	-Ir	44	13)
V1139 Cas	55817.4526	.0012	AG	+0.0115	s GCVS 2012	-Ir	34	13)
	55894.2537	.0021	AG	+0.0123	GCVS 2012	-Ir	43	13)
	55894.4005	.0013	AG	+0.0105	s GCVS 2012	-Ir	43	13)
XX Cep	55867.3026	.0006	JU	-0.0065	GCVS 2012	o	60	3)
BE Cep	55874.3478	.0014	AG	-0.1064	GCVS 2012	-Ir	48	13)
	55874.5606	.0021	AG	+0.1064	GCVS 2012	-Ir	48	13)
BU Cep	55807.4984	.0014	AG	-0.3493	GCVS 2012	-Ir	56	13)
CM Cep	55831.5141	.0001	RAT RCR	-0.0362	GCVS 2012	-U-I	287	15)
CW Cep	55858.3854	.0026	JU	+0.0110	GCVS 2012	o	55	3)
	55873.3583	.0010	FR	-0.0336	s GCVS 2012	-Ir	36	13)
DL Cep	55802.4455	.0055	AG	+0.0014	s IBVS 5016	-Ir	33	13)
DP Cep	55874.5702	.0019	AG	-0.0581	GCVS 2012	-Ir	48	13)
DW Cep	55874.3117	.0002	RAT RCR	+0.4619	GCVS 2012	-U-I	220	15)
EF Cep	55796.4009	.0009	JU	-0.0496	s GCVS 2012	o	48	3)
HI Cep	55879.2615	.0002	RAT RCR			-U-I	137	15)
IM Cep	55807.4845	.0025	AG	-0.1564	GCVS 2012	-Ir	56	13)
IW Cep	55801.5429	.0102	AG	+0.0408	s GCVS 2012	-Ir	41	13)
KP Cep	55802.5508	.0018	AG	+0.0411	GCVS 2012	-Ir	34	13)
	55808.3606	.0034	AG	+0.0456	GCVS 2012	-Ir	26	13)
KV Cep	55801.3448	.0017	AG	+0.1068	GCVS 2012	-Ir	41	13)
	55806.4978	.0049	AG	+0.1104	GCVS 2012	-Ir	47	13)
	55873.4865	.0027	AG	+0.1572	GCVS 2012	-Ir	48	13)
LM Cep	55787.5582	.0074	AG	+0.1312	GCVS 2012	-Ir	35	13)
	55807.4078	.0015	JU	+0.1040	GCVS 2012	o	45	3)
LP Cep	55787.5551	.0033	AG	-0.0702	s GCVS 2012	-Ir	41	13)
NN Cep	55807.5071	.0103	AG	+0.0093	GCVS 2012	-Ir	56	13)
	55873.3692	.0001	FR	+0.0057	GCVS 2012	-Ir	23	13)
NW Cep	55805.3846	.0033	AG	-0.4724	GCVS 2012	-Ir	30	13)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$		Bibliography	File	n	Rem
V737 Cep	55787.3664	.0007	AG	+0.0079	s	GCVS 2012	-Ir	32	13)
V743 Cep	55806.3265	.0024	AG				-Ir	81	13)
V744 Cep	55837.5519	.0006	RAT RCR				-U-I	278	15)
RZ Com	55662.3559	.0002	RAT RCR	+0.0445		GCVS 2012	-U-I	135	15)
SS Com	55663.3683	.0005	RAT RCR	-0.0199		BAVR 33,152	-U-I	110	15)
EQ Com	55615.4990	.0004	MS FR	+0.0316		GCVS 2012	o	371	6)
LL Com	55683.4223	.0003	RAT RCR	+0.0439	s	IBVS 4386	-U-I	131	15)
LO Com	55650.3766	.0003	RAT RCR				-U-I	124	15)
MR Com	55673.3606	.0003	RAT RCR	-0.0444	s	GCVS 2012	-U-I	142	15)
RT CrB	55775.3971	.0014	FR	-0.0169	s	GCVS 2012	V	30	14)
RW CrB	55662.41	.01	FR	+0.00	s	GCVS 2012	V	20	14)
	55775.3713	.0001	FR	+0.0005		GCVS 2012	V	60	14)
	55776.4636	.0017	FR	+0.0032	s	GCVS 2012	V	43	14)
TW CrB	55775.427	.001	FR	+0.044		GCVS 2012	V	63	14)
AR CrB	55775.3756	.0006	FR	-0.0050	s	GCVS 2012	V	53	14)
SY Cyg	55707.584	.005	FR	+0.278	s	GCVS 2012	-Ir	23	13)
VW Cyg	55836.4577	.0004	FR	+0.2683		GCVS 2012	-Ir	82	13) 21)
WZ Cyg	55882.2587	.0002	RAT RCR	+0.0654	s	GCVS 2012	-U-I	99	15)
CG Cyg	55837.3774	.0014	DIE	+0.0648		GCVS 2012	o	32	19)
	55856.3151	.0011	DIE	+0.0682		GCVS 2012	o	31	19)
CV Cyg	55873.2695	.0004	RAT RCR	+0.2063		GCVS 2012	-U-I	253	15)
DO Cyg	55802.4831	.0031	AG	-0.0241		GCVS 2012	-Ir	34	13)
	55850.3645	.0013	AG	-0.0230		GCVS 2012	-Ir	50	13)
	55879.4344	.0009	AG	-0.0232		GCVS 2012	-Ir	34	13)
DP Cyg	55795.3838	.0021	AG	-0.3662		GCVS 2012	-Ir	39	13)
	55802.4253	.0026	AG	-0.2397	s	GCVS 2012	-Ir	34	13)
	55815.3323	.0019	AG	+1.1423		GCVS 2012	-Ir	49	13)
	55849.3621	.0049	AG	+0.5971	s	GCVS 2012	-Ir	55	13)
	55850.5339	.0137	AG	-0.5361		GCVS 2012	-Ir	49	13)
EM Cyg	55405.413	.001	PGL				V	116	12)
	55824.3905	.0056	PGL				V	293	12)
	55836.4061	.0035	PGL				V	304	12)
GG Cyg	55801.3626	.0018	AG	+0.1428		GCVS 2012	-Ir	44	13)
GV Cyg	55858.4211	.0037	AG	+0.1541		GCVS 2012	-Ir	42	13)
KR Cyg	55801.3912	.0014	AG	+0.0166		GCVS 2012	-Ir	44	13)
MR Cyg	55858.5951	.0027	AG	-0.0001		GCVS 2012	V	42	13)
PQ Cyg	55799.3886	.0008	AG	+0.0270		GCVS 2012	-Ir	35	13)
V370 Cyg	55707.4842	.0012	FR	-0.0277	s	GCVS 2012	-Ir	36	13)
	55885.2416	.0002	RAT RCR	-0.0281		GCVS 2012	-U-I	134	15)
V401 Cyg	55778.5087	.0019	FR	+0.0709	s	GCVS 2012	V	32	14)
	55794.5369	.0061	FR	+0.0743		GCVS 2012	o	38	14)
	55804.4421	.0021	AG	+0.0732		GCVS 2012	-Ir	34	13)
	55849.3117	.0002	RAT RCR	+0.0732		GCVS 2012	-U-I	213	15)
V442 Cyg	55799.4673	.0016	AG	-0.0415		GCVS 2012	-Ir	35	13)
V443 Cyg	55799.5126	.0020	AG	+0.0330		GCVS 2012	-Ir	35	13)
V447 Cyg	55804.5007	.0096	AG	+0.1140	s	GCVS 2012	-Ir	34	13)
	55856.3337	.0011	FR	+0.1157		GCVS 2012	-Ir	51	13)
V453 Cyg	54718.5100	.0046	FR	+0.0363	s	GCVS 2012	-Ir	50	8)
	55856.3105	.0006	FR	+0.0666		GCVS 2012	-Ir	71	13)
V454 Cyg	55799.5210	.0091	AG	-0.0093	s	GCVS 2012	-Ir	35	13)
V463 Cyg	55857.3263	.0002	RAT RCR	+0.0560		GCVS 2012	-U-I	241	15)
V466 Cyg	55794.4381	.0004	AG	+0.0064		GCVS 2012	-Ir	37	13)
	55794.4396	.0013	FR	+0.0079		GCVS 2012	o	36	14)
V469 Cyg	55836.3391	.0001	FR	-0.1363		GCVS 2012	-Ir	95	13)
	55874.4014	.0004	FR	-0.1370		GCVS 2012	-Ir	37	13)
V484 Cyg	55790.5278	.0060	AG	+0.1215		GCVS 2012	-Ir	37	13)
	55799.5832	.0010	AG	+0.1201		GCVS 2012	-Ir	33	13)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
V488 Cyg	55801.3385	.0040	AG	+0.0569	GCVS 2012	-Ir	44	13)
	55801.6116	.0004	AG	+0.0498	s GCVS 2012	-Ir	44	13)
	55829.3614	.0012	FR	+0.0542	GCVS 2012	o	45	14)
	55838.3274	.0034	AG	+0.0520	GCVS 2012	-Ir	40	13)
V494 Cyg	55836.5552	.0011	FR			-Ir	88	13)
V496 Cyg	55799.5089	.0031	AG	+0.0076	GCVS 2012	-Ir	35	13)
V502 Cyg	55851.3197	.0012	SCI	+0.1249	GCVS 2012	o	33	3)
V505 Cyg	55799.5023	.0022	AG	+0.0342	s GCVS 2012	-Ir	35	13)
V512 Cyg	55851.4710	.0040	FR	+0.1221	GCVS 2012	o	41	14)
V541 Cyg	55794.4734	.0017	AG	+0.1347	s GCVS 2012	V	38	13)
V616 Cyg	55815.3787	.0028	AG	-0.3260	GCVS 2012	-Ir	37	13)
V635 Cyg	55815.3887	.0041	AG	-0.0521	s GCVS 2012	-Ir	37	13)
V675 Cyg	55815.3947	.0053	AG	+0.6178	GCVS 2012	-Ir	38	13)
V680 Cyg	55815.3907	.0046	AG	+0.0175	BAVR 32,36	-Ir	37	13)
V700 Cyg	55799.3959	.0007	AG	-0.0622	GCVS 2012	-Ir	35	13)
	55799.5409	.0011	AG	-0.0872	s GCVS 2012	-Ir	35	13)
V711 Cyg	55799.4485	.0146	AG	-0.0712	GCVS 2012	-Ir	28	13)
	55815.5668	.0009	AG	-0.0747	s GCVS 2012	-Ir	37	13)
	55801.5481	.0049	AG	+0.2364	s GCVS 2012	-Ir	44	13)
V725 Cyg	55829.3734	.0038	FR	+0.2601	s GCVS 2012	o	22	14)
	55832.3689	.0001	FR	+0.0482	GCVS 2012	-Ir	82	13)
V728 Cyg	55835.4599	.0013	FR	+0.0490	s GCVS 2012	-Ir	46	13)
	55671.5208	.0012	FR	+0.0022	BAVM 69	o	29	14)
V753 Cyg	54639.4796	.0003	AG	+0.0594	GCVS 2012	-Ir	42	13)
	54789.2920	.0003	AG	+0.0501	GCVS 2012	-Ir	33	13)
V789 Cyg	55794.4722	.0014	AG	-0.0230	GCVS 2012	-Ir	37	13)
	55776.4318	.0002	RAT RCR	-0.0014	GCVS 2012	-U-I	163	15)
V796 Cyg	55791.5635	.0019	AG	+0.0204	GCVS 2012	-Ir	30	13)
V859 Cyg	55826.4872	.0005	FR	+0.1238	s GCVS 2012	-Ir	40	13)
V873 Cyg	55838.3076	.0017	FR	-0.0395	s GCVS 2012	-Ir	47	13)
V877 Cyg	55794.4754	.0017	AG	+0.0246	GCVS 2012	-Ir	37	13)
	55804.5522	.0011	FR	+0.0242	GCVS 2012	-Ir	46	13)
V889 Cyg	55794.5221	.0036	AG	-0.1853	s GCVS 2012	V	37	13)
	55794.5287	.0074	FR	-0.1787	s GCVS 2012	o	18	14)
V891 Cyg	55802.4346	.0005	FR	+0.0461	GCVS 2012	-Ir	53	13)
V907 Cyg	55802.5293	.0008	FR	+0.1067	GCVS 2012	-Ir	29	13)
V931 Cyg	55801.3831	.0008	AG	-0.0715	GCVS 2012	-Ir	44	13)
	55801.5526	.0008	AG	-0.0728	s GCVS 2012	-Ir	44	13)
V934 Cyg	55801.4370	.0028	AG	-0.0748	GCVS 2012	-Ir	44	13)
V941 Cyg	55791.5031	.0036	AG	-0.0721	GCVS 2012	-Ir	34	13)
V947 Cyg	55837.2973	.0002	FR	-0.0027	s GCVS 2012	-Ir	103	13)
	55837.5129	.0007	FR	-0.0017	GCVS 2012	-Ir	103	13)
V959 Cyg	55801.5003	.0025	AG	-0.0535	GCVS 2012	-Ir	44	13)
V961 Cyg	55804.4471	.0016	AG	-0.0822	s GCVS 2012	-Ir	34	13)
V962 Cyg	55790.4844	.0134	AG	-0.2060	GCVS 2012	-Ir	34	13)
V963 Cyg	55837.4140	.0001	FR	-0.0010	GCVS 2012	-Ir	77	13)
V965 Cyg	55791.4779	.0050	AG	-0.1199	GCVS 2012	-Ir	30	13)
	55837.2704	.0027	FR	-0.1283	s GCVS 2012	-Ir	112	13)
V974 Cyg	55790.4192	.0037	AG	-0.1604	GCVS 2012	-Ir	36	13)
	55801.5472	.0018	AG	-0.1802	s GCVS 2012	-Ir	44	13)
V975 Cyg	55804.4923	.0010	AG	-0.1264	GCVS 2012	-Ir	33	13)
V1004 Cyg	55790.3825	.0011	AG	+0.1588	s GCVS 2012	-Ir	37	13)
	55794.4978	.0016	AG	+0.1599	s GCVS 2012	-Ir	37	13)
V1011 Cyg	55804.4432	.0022	AG	+0.1626	GCVS 2012	-Ir	32	13)
	55794.6075	.0018	AG	+0.0442	GCVS 2012	-Ir	63	13)
	55833.4810	.0009	FR	+0.0453	GCVS 2012	-Ir	39	13)
V1013 Cyg	55833.4748	.0008	FR	+0.1637	GCVS 2012	-Ir	33	13)
V1034 Cyg	55838.3506	.0095	AG	+0.0062	s GCVS 2012	-Ir	36	13)
V1061 Cyg	55851.5121	.0134	FR	-0.0135	s GCVS 2012	o	21	14)
V1083 Cyg	55806.3751	.0002	RAT RCR	-0.0674	GCVS 2012	-U-I	138	15)



Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
V1141 Cyg	55833.3018	.0002	RAT RCR	+0.0155	GCVS 2012	-U-I	161	15)
V1147 Cyg	55837.4174	.0003	FR	+0.2291	s GCVS 2012	-Ir	61	13)
V1171 Cyg	55790.5487	.0036	AG	-0.0553	s GCVS 2012	-Ir	36	13)
	55889.2390	.0002	RAT RCR	-0.0584	GCVS 2012	-U-I	115	15)
V1256 Cyg	55802.5041	.0008	FR	-0.0229	GCVS 2012	-Ir	61	13)
V1305 Cyg	55799.4956	.0046	AG	-0.0076	GCVS 2012	-Ir	35	13)
V1401 Cyg	55858.5427	.0064	AG	+0.2700	GCVS 2012	-Ir	41	13)
V1411 Cyg	55805.4293	.0080	AG	-0.1546	s GCVS 2012	-Ir	31	13)
	55839.6062	.0021	AG	-0.1542	s GCVS 2012	-Ir	46	13)
V1414 Cyg	55799.5736	.0022	AG	+0.0463	GCVS 2012	-Ir	28	13)
V1417 Cyg	55799.5292	.0098	AG	+0.1565	GCVS 2012	-Ir	28	13)
	55839.5037	.0115	AG	+0.1584	GCVS 2012	-Ir	42	13)
V1437 Cyg	55804.4208	.0009	FR			-Ir	47	13)
	55838.2826	.0010	FR			-Ir	44	13)
V1481 Cyg	55795.4198	.0050	AG			-Ir	38	13)
	55806.4689	.0112	AG			-Ir	43	13)
V1763 Cyg	55820.3807	.0002	RAT RCR			-U-I	161	15)
	55851.3688	.0002	RAT RCR			-U-I	217	15)
V1815 Cyg	55848.330	.001	FR	+0.003	BAVR 55,1	-Ir	32	13)
V1823 Cyg	55836.5287	.0002	FR			-Ir	54	13)
V1908 Cyg	55825.5540	.0005	RAT RCR			-U-I	228	15)
V1918 Cyg	55671.5979	.0010	FR			o	29	14)
	55830.4699	.0035	PGL			V	200	12)
V2080 Cyg	55671.5356	.0015	FR			o	29	14)
V2181 Cyg	55801.5666	.0119	AG	+0.0093	s BAVR 50,45	-Ir	44	13)
	55829.3826	.0004	FR	+0.0115	BAVR 50,45	o	45	14)
V2240 Cyg	55799.5628	.0037	AG			-Ir	35	13)
V2261 Cyg	55795.5499	.0032	AG			-Ir	38	13)
V2263 Cyg	55795.4239	.0049	AG			-Ir	38	13)
	55806.4223	.0041	AG			-Ir	43	13)
V2277 Cyg	55834.4488	.0002	RAT RCR			-U-I	216	15)
V2364 Cyg	55838.3043	.0003	RAT RCR	-0.0136	s GCVS 2012	-U-I	171	15)
	55848.3708	.0003	RAT RCR	-0.0135	s GCVS 2012	-U-I	125	15)
V2456 Cyg	55825.5819	.0005	RAT RCR	+0.1023	s GCVS 2012	-U-I	228	15)
Z Dra	55685.4249	.0001	RAT RCR	-0.1936	GCVS 2012	-U-I	264	15)
RR Dra	55831.3486	.0002	RAT RCR	+0.0210	GCVS 2012	-U-I	167	15)
TZ Dra	55825.3342	.0009	JU	-0.0310	GCVS 2012	o	74	3)
WX Dra	55867.3164	.0015	SCI	+0.0205	GCVS 2012	o	19	3)
AU Dra	55710.4184	.0018	SCI	+0.0156	GCVS 2012	o	32	3)
AX Dra	55602.5275	.0001	RAT RCR	-0.0031	BAVR 32,36	-U-I	255	15)
MU Dra	55832.3045	.0004	RAT RCR	-0.0511	GCVS 2012	-U-I	142	15)
MY Dra	55672.5395	.0002	RAT RCR			-U-I	303	15)
AV Gem	55907.4267	.0030	BHE	-0.0322	GCVS 2012	-Ir	85	17)
FT Gem	55624.4982	.0005	FR	-0.0400	s GCVS 2012	-Ir	125	13)
GQ Gem	54513.3919	.0030	SB	+0.0173	s GCVS 2012	V	44	11)
GZ Gem	54506.3515	.0030	SB	-0.0743	s GCVS 2012	V	35	11)
AK Her	55751.4745	.0035	PGL	+0.0147	GCVS 2012	V	806	12)
	55774.4446	.0035	PGL	+0.0097	s GCVS 2012	V	182	12)
V342 Her	55689.5248	.0003	RAT RCR	+0.0196	GCVS 2012	-U-I	173	15)
V490 Her	55699.5882	.0014	SCI	+0.3831	GCVS 2012	o	20	3)
V857 Her	55673.3859	.0003	MS FR			o	344	6)
V1054 Her	55682.5241	.0003	RAT RCR			-U-I	186	15)
V1055 Her	55705.4968	.0001	RAT RCR			-U-I	226	15)
V1062 Her	54937.5694	.0009	AG			-Ir	40	13)
V1066 Her	55711.4536	.0003	RAT RCR			-U-I	173	15)
V1073 Her	55829.3747	.0001	RAT RCR			-U-I	213	15)
V1092 Her	55675.6014	.0004	RAT RCR	+0.0443	GCVS 2012	-U-I	197	15)
	55707.5176	.0003	RAT RCR	+0.0460	GCVS 2012	-U-I	207	15)
V1100 Her	55683.5486	.0001	RAT RCR	+0.0627	s GCVS 2012	-U-I	213	15)
V1101 Her	55828.4344	.0002	RAT RCR	+0.0268	GCVS 2012	-U-I	222	15)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$		Bibliography	Fil	n	Rem
V1103 Her	55691.4854	.0002	RAT RCR	+0.0017	s	GCVS 2012	-U-I	233	15)
WY Hya	55629.3380	.0001	RAT RCR	+0.0298		GCVS 2012	-U-I	108	15)
V470 Hya	55629.3279	.0007	RAT RCR				-U-I	108	15)
SW Lac	55740.5287	.0001	FR	+0.0580		GCVS 2012	-Ir	71	13)
	55741.4916	.0035	PGL	+0.0587		GCVS 2012	V	187	16)
	55825.3561	.0005	DIE	+0.0548	s	GCVS 2012	o	37	19)
	55834.3409	.0056	PGL	+0.0594	s	GCVS 2012	V	339	12)
	55851.3393	.0014	AG	+0.0596	s	GCVS 2012	V	63	13)
	55851.4977	.0033	AG	+0.0576		GCVS 2012	V	63	13)
UY Lac	55887.2452	.0010	AG				-Ir	69	13)
VV Lac	55801.4879	.0034	AG	-0.8282		GCVS 2012	-Ir	41	13)
	55839.4833	.0039	AG	-0.8345		GCVS 2012	-Ir	43	13)
VY Lac	55849.5890	.0011	AG	-0.1692		GCVS 2012	-Ir	50	13)
	55858.3951	.0039	AG	-0.1713	s	GCVS 2012	V	41	13)
ZZ Lac	55815.3652	.0029	AG	-0.1653	s	GCVS 2012	-Ir	44	13)
AG Lac	55801.3359	.0011	AG	-0.0181	s	GCVS 2012	-Ir	41	13)
	55851.3574	.0040	AG	-0.0166		GCVS 2012	-Ir	44	13)
AU Lac	55839.5143	.0029	AG	-0.0296		GCVS 2012	-Ir	48	13)
	55881.2866	.0013	JU	-0.0305		GCVS 2012	o	24	3)
AW Lac	55849.3619	.0052	AG	+0.0494		BAVR 35,1	-Ir	55	13)
BB Lac	55799.5116	.0016	AG	-0.5971		GCVS 2012	-Ir	28	13)
CG Lac	55839.5061	.0016	AG	-0.1566		GCVS 2012	-Ir	41	13)
	55849.3386	.0027	AG	-0.1568		GCVS 2012	-Ir	50	13)
	55858.3525	.0015	AG	-0.1562		GCVS 2012	-Ir	41	13)
CN Lac	55858.3599	.0022	AG	-0.0757	s	GCVS 2012	-Ir	42	13)
	55879.3943	.0062	AG	-0.0746	s	GCVS 2012	-Ir	34	13)
	55887.3587	.0012	AG	-0.0774		GCVS 2012	-Ir	35	13)
CO Lac	55861.3380	.0011	JU	-0.0022		GCVS 2012	o	80	3)
	55874.4475	.0016	AG	-0.0014	s	GCVS 2012	-Ir	48	13)
CY Lac	55795.5436	.0047	AG	+0.6784	s	GCVS 2012	-Ir	39	13)
	55887.5117	.0017	AG	+0.6775	s	GCVS 2012	-Ir	51	13)
DG Lac	55848.5406	.0001	RAT RCR	-0.2246		GCVS 2012	-U-I	249	15)
EK Lac	55796.3628	.0004	RAT RCR	-0.0032		GCVS 2012	-U-I	86	15)
	55799.4379	.0020	AG	-0.0027		GCVS 2012	-Ir	28	13)
	55839.4076	.0011	AG	-0.0032		GCVS 2012	-Ir	45	13)
	55879.3777	.0027	AG	-0.0034		GCVS 2012	-Ir	34	13)
EM Lac	55801.3767	.0006	AG	+0.0869		GCVS 2012	-Ir	41	13)
	55801.5709	.0016	AG	+0.0865	s	GCVS 2012	-Ir	41	13)
	55806.4354	.0015	AG	+0.0868		GCVS 2012	-Ir	47	13)
	55850.4078	.0023	AG	+0.0871		GCVS 2012	-Ir	52	13)
	55850.6014	.0010	AG	+0.0862	s	GCVS 2012	-Ir	52	13)
EO Lac	55802.5535	.0012	AG	+0.2804		GCVS 2012	-Ir	34	13)
EP Lac	55805.4152	.0050	AG	-0.3632		GCVS 2012	-Ir	29	13)
	55879.4212	.0017	AG	-0.3669		GCVS 2012	-Ir	33	13)
EQ Lac	55858.4399	.0023	AG	+0.0201		GCVS 2012	-Ir	41	13)
ER Lac	55849.3418	.0091	AG	-0.5551		GCVS 2012	-Ir	55	13)
ES Lac	55801.5074	.0100	AG	+0.1390		GCVS 2012	-Ir	41	13)
	55850.5652	.0068	AG	+0.1439		GCVS 2012	-Ir	49	13)
EU Lac	55839.3657	.0036	AG	+0.2061		GCVS 2012	-Ir	43	13)
EX Lac	55806.4877	.0138	AG	+0.2332	s	GCVS 2012	-Ir	46	13)
	55873.4508	.0055	AG	+0.2335		GCVS 2012	-Ir	51	13)
	55887.3634	.0017	AG	+0.2317		GCVS 2012	-Ir	35	13)
EY Lac	55851.3309	.0030	AG	-0.3725	s	GCVS 2012	-Ir	43	13)
FI Lac	55874.6043	.0045	AG	+0.0195		GCVS 2012	-Ir	48	13)
FL Lac	55815.4513	.0024	AG	-0.0463		GCVS 2012	-Ir	44	13)
	55851.4387	.0193	AG	-0.0469	s	GCVS 2012	-Ir	43	13)
	55887.4266	.0028	AG	-0.0470		GCVS 2012	-Ir	35	13)
GH Lac	55799.3887	.0007	AG	-0.0627	s	GCVS 2012	-Ir	28	13)
	55808.4437	.0006	AG	-0.0626	s	GCVS 2012	-Ir	28	13)
	55879.2817	.0014	AG	-0.0664	s	GCVS 2012	-Ir	34	13)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
GX Lac	55834.5156	.0002	RAT RCR	-0.0354	GCVS 2012	-U-I	287	15)
HR Lac	55799.4061	.0025	AG	-0.1066	GCVS 2012	-Ir	28	13)
	55802.4095	.0023	AG	-0.1067	GCVS 2012	-Ir	34	13)
IM Lac	55801.5575	.0023	AG	-0.1894	s GCVS 2012	-Ir	41	13)
	55850.3900	.0021	AG	-0.1883	GCVS 2012	-Ir	51	13)
IP Lac	55802.5816	.0022	AG	+0.0822	GCVS 2012	-Ir	34	13)
IU Lac	55839.5433	.0027	AG	+0.0131	GCVS 2012	-Ir	42	13)
	55873.4638	.0082	AG	+0.0166	GCVS 2012	-Ir	51	13)
IZ Lac	55815.4039	.0148	AG	+0.0575	GCVS 2012	-Ir	36	13)
	55849.3554	.0055	AG	+0.0567	s GCVS 2012	-Ir	55	13)
	55851.3580	.0131	AG	+0.0621	GCVS 2012	-Ir	43	13)
KU Lac	55873.4426	.0020	AG			-Ir	47	13)
LY Lac	55851.3819	.0042	AG	+0.2321	GCVS 2012	-Ir	43	13)
LZ Lac	55849.4313	.0042	AG	-0.2854	s GCVS 2012	-Ir	55	13)
MZ Lac	55849.4955	.0008	AG	+0.1647	GCVS 2012	-Ir	60	13)
	55887.4017	.0008	AG	+0.1653	GCVS 2012	-Ir	35	13)
NR Lac	55808.4287	.0183	AG	+0.0689	s GCVS 2012	-Ir	28	13)
	55887.3543	.0024	AG	+0.0676	GCVS 2012	-Ir	35	13)
OO Lac	55850.4865	.0001	AG	+0.1559	GCVS 2012	-Ir	49	13)
OS Lac	55849.5567	.0062	AG	+0.3110	s GCVS 2012	-Ir	55	13)
OX Lac	55808.3933	.0006	AG	+0.1521	GCVS 2012	-Ir	26	13)
PP Lac	55801.3708	.0013	AG	-0.0551	GCVS 2012	-Ir	41	13)
	55801.5708	.0010	AG	-0.0557	s GCVS 2012	-Ir	41	13)
	55815.4110	.0012	AG	-0.0556	GCVS 2012	-Ir	44	13)
	55815.6116	.0013	AG	-0.0556	s GCVS 2012	-Ir	44	13)
	55851.3146	.0015	AG	-0.0561	s GCVS 2012	-Ir	43	13)
	55851.5153	.0005	AG	-0.0560	GCVS 2012	-Ir	43	13)
	55882.4046	.0007	JU	-0.0562	GCVS 2012	o	66	3)
V339 Lac	55873.4128	.0117	AG	+0.1439	GCVS 2012	-Ir	51	13)
V342 Lac	55808.4198	.0018	AG	-0.0795	GCVS 2012	-Ir	26	13)
	55849.4021	.0052	AG	-0.0810	s GCVS 2012	-Ir	55	13)
	55851.5033	.0033	AG	-0.0815	s GCVS 2012	-Ir	43	13)
V344 Lac	55839.3042	.0023	AG	-0.0781	GCVS 2012	-Ir	44	13)
	55839.4988	.0033	AG	-0.0797	s GCVS 2012	-Ir	44	13)
	55849.3067	.0012	AG	-0.0774	s GCVS 2012	-Ir	58	13)
	55849.5019	.0019	AG	-0.0784	GCVS 2012	-Ir	58	13)
V345 Lac	55805.4147	.0029	AG	+0.0783	GCVS 2012	-Ir	29	13)
	55815.5456	.0015	AG	+0.1701	s GCVS 2012	-Ir	37	13)
	55850.3632	.0047	AG	+0.0756	GCVS 2012	-Ir	49	13)
V364 Lac	55740.4345	.0003	FR	-0.0097	BAVR 47,33	-Ir	51	13)
	55832.4147	.0083	PGL	+0.0160	s BAVR 47,33	V	613	12)
V441 Lac	55806.4070	.0027	AG	-0.0452	s IBVS 5024	-Ir	47	13)
	55806.5648	.0021	AG	-0.0418	IBVS 5024	-Ir	47	13)
V441 Lac	55808.4186	.0021	AG	-0.0414	IBVS 5024	-Ir	28	13)
	55839.3121	.0020	AG	-0.0373	IBVS 5024	-Ir	42	13)
	55839.4642	.0039	AG	-0.0396	s IBVS 5024	-Ir	42	13)
	55873.2928	.0021	AG	-0.0349	IBVS 5024	-Ir	51	13)
V459 Lac	55805.4860	.0025	AG	-0.6494	GCVS 2012	-Ir	29	13)
	55858.5276	.0022	AG	+0.2392	s GCVS 2012	-Ir	41	13)
RW Leo	55654.3816	.0003	RAT RCR	-0.1233	GCVS 2012	-U-I	127	15)
WZ Leo	55601.3679	.0002	RAT RCR	+0.2223	GCVS 2012	-U-I	123	15)
XX LMi	55625.5702	.0006	RAT RCR	+0.0043	s GCVS 2012	-U-I	228	15)
XY LMi	55625.6233	.0002	RAT RCR	-0.0210	GCVS 2012	-U-I	228	15)
	55641.3516	.0002	RAT RCR	-0.0207	GCVS 2012	-U-I	150	15)
SW Lyn	55670.3553	.0001	RAT RCR	+0.0621	GCVS 2012	-U-I	88	15)
SX Lyn	55618.5343	.0001	RAT RCR	+0.0112	GCVS 2012	-U-I	300	15)
UU Lyn	55857.5883	.0003	MS FR	-0.0092	GCVS 2012	o	512	6)
TZ Lyr	55850.374 :	.005	FR	-0.002	s GCVS 2012	o	28	14)
ET Lyr	55790.4155	.0084	AG			-Ir	35	13)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem	
IP Lyr	55592.6665	.0002	MS FR	-0.0091	GCVS 2012	o	544	6)	
	55833.3234	.0007	JU	-0.0103	GCVS 2012	o	57	3)	
NY Lyr	55857.3958	.0002	FR	-0.0788	GCVS 2012	-Ir	53	13)	
PV Lyr	55791.4517	.0074	AG	+0.0073	GCVS 2012	-Ir	30	13)	
QT Lyr	55794.4924	.0028	AG			-Ir	37	13)	
QU Lyr	55794.4247	.0013	AG	+0.0001	s GCVS 2012	-Ir	37	13)	
V417 Lyr	55615.6343	.0012	MS FR			o	380	6)	
V563 Lyr	55850.3094	.0029	FR			o	29	14)	
V580 Lyr	55794.4092	.0006	JU			o	48	3)	
GU Mon	55866.6060	.0005	MS FR	-0.0896	GCVS 2012	o	520	6)	
IX Mon	55592.3297	.0001	MS FR	-0.0364	GCVS 2012	o	737	6)	
V453 Mon	55593.3001	.0003	MS FR	+0.1607	s GCVS 2012	o	396	6)	
V515 Mon	55600.3340	.0002	RAT RCR	-0.0407	GCVS 2012	-U-I	120	15)	
V527 Mon	55593.3998	.0004	MS FR	-0.0280	GCVS 2012	o	222	6)	
V530 Mon	55941.4532	.0069	PGL	-0.1286	GCVS 2012	V	236	16)	
V634 Mon	55851.6314	.0010	MS FR	+0.1125	GCVS 2012	o	540	6)	
V456 Oph	55676.5346	.0001	RAT RCR	+0.0160	GCVS 2012	-U-I	160	15)	
V913 Oph	55674.5605	.0002	RAT RCR	+0.3055	GCVS 2012	-U-I	190	15)	
V2388 Oph	55754.4974	.0014	FR			V	25	14)	
V2640 Oph	55706.5133	.0003	RAT RCR			-U-I	188	15)	
FT Ori	55941.4222	.0001	PGL	+0.0167	GCVS 2012	V	165	12)	
V1633 Ori	55856.6377	.0004	MS FR	+0.2106	s BAVM 125	o	484	6)	
V1865 Ori	55943.4082	.0015	QU			V	105	4)	
U Peg	55857.3681	.0012	AG	-0.0210	BAVR 45,3	V	75	13)	
	55857.5549	.0026	AG	-0.0216	s BAVR 45,3	V	75	13)	
BB Peg	55831.2683	.0015	BHE	-0.0052	GCVS 2012	-Ir	87	17)	
	55857.2983	.0005	DIE	-0.0034	GCVS 2012	o	42	19)	
BK Peg	55817.5771	.0056	AG	+0.0084	GCVS 2012	V	70	13)	
BN Peg	55830.2833	.0010	BHE	+0.0038	GCVS 2012	-Ir	110	17)	
BY Peg	55807.5392	.0014	AG	-0.0238	GCVS 2012	-Ir	31	13)	
	55850.292	.003	BHE	-0.013	GCVS 2012	-Ir	33	17)	
BZ Peg	55807.5213	.0009	AG	+0.2666	s GCVS 2012	-Ir	31	13)	
CE Peg	55806.3898	.0026	AG	+0.1616	GCVS 2012	-Ir	29	13)	
DI Peg	55820.3461	.0006	DIE	-0.0076	GCVS 2012	o	31	19)	
	55887.2592	.0011	BHE	-0.0053	GCVS 2012	-Ir	65	17)	
DM Peg	55857.3615	.0028	AG	+0.0748	GCVS 2012	V	75	13)	
DP Peg	55849.2523	.0062	BHE			-Ir	82	17)	
DV Peg	55806.5998	.0051	AG	+0.1050	GCVS 2012	-Ir	33	13)	
	55807.5674	.0021	AG	+0.1264	GCVS 2012	-Ir	31	13)	
EE Peg	55855.4080	.0012	SCI	+0.1818	s GCVS 2012	o	55	3)	
	55857.3354	.0019	SCI	+0.2168	s GCVS 2012	o	45	3)	
	55832.3270	.0031	BHE	+0.0024	GCVS 2012	-Ir	270	17)	
ER Peg	55826.4021	.0064	BHE	+0.1423	GCVS 2012	-Ir	505	17)	
	55851.4239	.0112	AG	+0.1428	GCVS 2012	V	62	13)	
GH Peg	55874.2126	.0033	BHE	+0.0072	GCVS 2012	-Ir	137	17)	
GH Peg	55879.3153	.0016	SCI	-0.0024	GCVS 2012	o	101	3)	
	55817.4263	.0018	AG	-0.0478	s GCVS 2012	-Ir	69	13)	
GP Peg	55851.5757	.0030	AG	-0.0450	s GCVS 2012	V	63	13)	
	55835.3399	.0017	BHE			-Ir	129	17)	
IP Peg	55835.3722	.0001	PGL			V	286	16)	
	55850.3988	.0005	SCI			o	34	3)	
	55850.4730	.0019	SCI			o	30	3)	
	55850.5581	.0005	SCI			o	14	3)	
	55858.3980	.0012	SCI			o	26	3)	
	55858.4687	.0004	SCI			o	30	3)	
	55861.3219	.0008	SCI			o	22	3)	
	55878.2460	.0007	SCI			o	19	3)	
	55887.2627	.0004	SCI			o	23	3)	
	KV Peg	55877.3851	.0104	PGL			V	296	16)
	KW Peg	55857.2382	.0021	BHE			-Ir	74	17)

Table 1: (cont.)

Variable	HJD 24....	$\pm$	Obs	$O - C$	Bibliography	File	n	Rem
V357 Peg	55817.4295	.0022	AG			V	70	13)
V404 Peg	55851.3295	.0027	AG	-0.0900	s GCVS 2012	V	63	13)
	55851.5345	.0025	AG	-0.0946	GCVS 2012	V	63	13)
V411 Peg	55806.4966	.0016	AG	-0.0103	s GCVS 2012	-Ir	29	13)
ST Per	55980.2937	.0007	JU	+0.2228	GCVS 2012	o	59	3)
BO Per	55877.3362	.0015	MS FR	-0.0422	GCVS 2012	o	550	6)
BR Per	55598.481	.001	AG			-Ir	59	13)
BY Per	55894.4317	.0008	AG	+0.0241	GCVS 2012	-Ir	44	13)
DK Per	55859.5707	.0014	AG	+0.0127	GCVS 2012	-Ir	54	13)
	55879.3455	.0012	AG	+0.0122	GCVS 2012	-Ir	65	13)
IQ Per	55964.3487	.0050	JU	-0.0710	s GCVS 2012	o	93	3)
IT Per	55850.4336	.0024	AG	-0.0180	GCVS 2012	-Ir	53	13)
IU Per	55850.3212	.0007	DIE	+0.0063	GCVS 2012	o	41	19)
KL Per	55850.4131	.0043	AG	+0.1330	GCVS 2012	-Ir	53	13)
	55859.3066	.0006	MS FR	+0.1342	GCVS 2012	o	468	6)
KN Per	55794.5770	.0003	MS FR	+0.0075	BAVR 52,93	o	429	6)
	55951.4037	.0097	PGL	+0.0040	BAVR 52,93	V	178	12)
KQ Per	55807.5186	.0010	FR			-Ir	29	13)
KW Per	55879.2817	.0019	BHE	+0.0999	s GCVS 2012	-Ir	98	17)
PS Per	55850.4039	.0026	AG	+0.0689	s GCVS 2012	-Ir	53	13)
QT Per	55807.4869	.0005	MS FR	+0.2199	GCVS 2012	o	645	6)
V366 Per	55859.4239	.0051	AG	+0.1555	s GCVS 2012	-Ir	44	13)
	55894.2637	.0011	AG	+0.1567	GCVS 2012	-Ir	37	13)
V432 Per	55894.2424	.0006	AG	-0.0327	IBVS 3797	-Ir	33	13)
	55894.4322	.0020	AG	-0.0345	s IBVS 3797	-Ir	33	13)
V449 Per	55859.4689	.0017	AG	+0.0508	s GCVS 2012	-Ir	44	13)
	55894.4778	.0014	AG	+0.0502	s GCVS 2012	-Ir	34	13)
V450 Per	55894.3200	.0010	AG	+0.1136	GCVS 2012	-Ir	35	13)
V680 Per	55859.2671	.0015	AG			-Ir	44	13)
	55859.4552	.0010	AG			-Ir	44	13)
	55894.2583	.0007	AG			-Ir	36	13)
	55894.4451	.0012	AG			-Ir	36	13)
SU Psc	55888.3355	.0012	BHE	-0.3118	GCVS 2012	-Ir	150	17)
UV Psc	55850.3760	.0008	BHE	-0.0151	GCVS 2012	-Ir	474	17)
AQ Psc	47804.431	.001	WU			o	52	1)
	47985.360	.001	WU			o	43	1)
	48983.221	.001	WU			V	56	1)
	48987.260	.001	WU			V	34	1)
	48992.254	.001	WU			V	35	1)
DZ Psc	55857.3370	.0037	AG			V	84	13)
	55857.5184	.0016	AG			V	84	13)
U Sge	55828.3559	.0032	FR	-0.0050	GCVS 2012	-Ir	56	13)
	55850.342	.003	FR	+0.007	s GCVS 2012	-Ir	21	13)
V Sge	55805.4400	.0097	AG	-0.0576	GCVS 2012	-Ir	36	13)
	55831.3985	.0014	JU	-0.0659	s GCVS 2012	o	80	3)
	55837.3096	.0035	JU	-0.0681	GCVS 2012	o	44	3)
V Sge	55838.3525	.0030	JU	-0.0536	GCVS 2012	o	72	3)
TU Sge	55790.7055	.0009	AG	+0.5954	GCVS 2012	-Ir	60	13)
	55805.4329	.0068	AG	+0.5960	GCVS 2012	-Ir	35	13)
CU Sge	55828.3394	.0007	FR	+0.0208	GCVS 2012	o	49	14)
CW Sge	55805.3576	.0040	AG	+0.0455	s GCVS 2012	-Ir	34	13)
DK Sge	55790.5471	.0019	AG	+0.1598	GCVS 2012	-Ir	32	13)
	55797.3881	.0006	AG	+0.1608	GCVS 2012	-Ir	25	13)
	55802.3617	.0020	AG	+0.1598	GCVS 2012	-Ir	36	13)
	55805.4716	.0021	AG	+0.1606	GCVS 2012	-Ir	36	13)
DL Sge	55859.2706	.0002	WN	+0.1387	GCVS 2012	V	139	10)
	55862.2764	.0101	WN	+0.1441	s GCVS 2012	V	115	10)
	55877.2773	.0002	WN	+0.1428	GCVS 2012	V	148	10)
FF Sge	55797.4616	.0033	AG	+0.0376	GCVS 2012	-Ir	25	13)
	55805.4241	.0042	AG	+0.0385	GCVS 2012	-Ir	35	13)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
FH Sge	55790.5493	.0086	AG			-Ir	31	13)
V384 Ser	55662.4937	.0003	FR	+0.0001	GCVS 2012	-Ir	79	13)
	55689.5043	.0004	FR	+0.0034	s GCVS 2012	-Ir	36	13)
	55754.4014	.0002	FR	+0.0025	GCVS 2012	-Ir	60	13)
	55754.5363	.0005	FR	+0.0030	s GCVS 2012	-Ir	60	13)
	55775.3623	.0009	FR	+0.0025	GCVS 2012	-Ir	22	13)
RW Tau	55859.4280	.0001	FR	+0.0094	BAVR 45,124	-Ir	81	13)
TY Tau	55896.4306	.0013	SCI	+0.2602	GCVS 2012	o	67	3)
AP Tau	55887.4591	.0002	MS FR	+0.0261	GCVS 2012	o	350	6)
CU Tau	55887.2915	.0002	MS FR	+0.0230	s GCVS 2012	o	550	6)
GR Tau	55880.3413	.0033	DIE	-0.0358	BAVR 35,1	o	30	19)
V1022 Tau	55859.4439	.0004	FR			-Ir	209	13)
	55859.6164	.0001	FR			-Ir	209	13)
V1121 Tau	55890.3804	.0039	BHE			-Ir	227	17)
V Tri	55889.2774	.0011	BHE	-0.0400	GCVS 2012	-Ir	192	17)
	55896.3357	.0010	BHE	-0.0042	GCVS 2012	-Ir	136	17)
RV Tri	55859.5774	.0007	AG	-0.0342	GCVS 2012	-Ir	44	13)
RW Tri	55828.4413	.0005	BHE	-0.0047	GCVS 2012	-Ir	162	17)
ST Tri	55859.3540	.0021	AG	-0.0575	GCVS 2012	-Ir	44	13)
	55859.5955	.0010	AG	-0.0555	s GCVS 2012	-Ir	44	13)
	55894.3244	.0012	AG	-0.0580	GCVS 2012	-Ir	36	13)
VZ Tri	55849.3248	.0036	BHE			-Ir	123	17)
WW Tri	55859.3632	.0102	AG			-Ir	45	13)
BU Tri	55859.2659	.0026	AG	+0.0727	GCVS 2012	-Ir	44	13)
	55859.4072	.0019	AG	+0.0662	s GCVS 2012	-Ir	44	13)
	55859.5566	.0027	AG	+0.0678	GCVS 2012	-Ir	44	13)
BV Tri	55859.3246	.0030	AG	+0.0120	s GCVS 2012	-Ir	44	13)
	55859.5627	.0002	AG	+0.0030	GCVS 2012	-Ir	44	13)
W UMa	55953.2873	.0035	PGL	-0.0138	BAVR 44,156	V	310	16)
NT UMa	55887.3035	.0020	AG			-Ir	74	13)
W UMi	55887.3619	.0003	QU	-0.1713	GCVS 2012	V	119	4)
AG Vir	55674.3274	.0002	FR	-0.0122	GCVS 2012	-Ir	297	13)
LU Vir	55674.3536	.0023	FR			o	53	14)
AW Vul	55791.4992	.0007	FR	-0.0118	s GCVS 2012	-Ir	34	13)
	55819.3192	.0011	DIE	-0.0143	GCVS 2012	o	31	19)
AX Vul	55791.5372	.0002	FR	-0.0309	GCVS 2012	-Ir	34	13)
AZ Vul	55838.5333	.0014	AG	+0.0324	GCVS 2012	-Ir	40	13)
BG Vul	55791.5440	.0037	AG	+0.0546	GCVS 2012	-Ir	35	13)
	55806.4628	.0016	AG	+0.0531	GCVS 2012	-Ir	29	13)
	55807.4707	.0012	AG	+0.0529	s GCVS 2012	-Ir	31	13)
BK Vul	55807.4919	.0021	AG	-0.0029	s GCVS 2012	-Ir	31	13)
BO Vul	55790.5588	.0017	AG	-0.0351	GCVS 2012	-Ir	29	13)
	55835.3122	.0003	FR	-0.0367	GCVS 2012	o	22	14)
BQ Vul	55830.4433	.0017	FR	+0.7786	s GCVS 2012	-Ir	22	13)
BS Vul	55790.5521	.0008	AG	-0.0275	GCVS 2012	-Ir	31	13)
	55797.4537	.0034	AG	-0.0275	s GCVS 2012	-Ir	24	13)
CD Vul	55838.4575	.0032	AG	+0.0004	s GCVS 2012	-Ir	39	13)
EO Vul	55838.4991	.0026	AG			-Ir	40	13)
EQ Vul	55801.4955	.0072	AG	-1.6769	s GCVS 2012	-Ir	44	13)
EU Vul	55797.3801	.0002	AG	+0.0443	s GCVS 2012	-Ir	28	13)
	55805.3268	.0012	AG	+0.0436	s GCVS 2012	-Ir	36	13)
EV Vul	55790.4531	.0092	AG	+0.5131	s GCVS 2012	-Ir	30	13)
EY Vul	55802.3963	.0021	AG	+0.0584	GCVS 2012	-Ir	35	13)
	55802.3972	.0003	WTR	+0.0593	GCVS 2012	-Ir	98	9)
FF Vul	55838.4475	.0034	AG	-0.0835	GCVS 2012	-Ir	40	13)
FM Vul	55791.4371	.0053	AG	+0.0321	s GCVS 2012	-Ir	30	13)
FR Vul	55797.4092	.0013	AG	-0.0070	GCVS 2012	-Ir	26	13)
GI Vul	55797.4717	.0033	AG	-0.0134	GCVS 2012	-Ir	27	13)
	55801.3233	.0001	AG	-0.0137	GCVS 2012	-Ir	44	13)
	55801.5670	.0039	AG	-0.0107	s GCVS 2012	-Ir	44	13)

Table 1: (cont.)

Variable	HJD 24.....	±	Obs	$O - C$		Bibliography	Fil	n	Rem
GP Vul	55778.556	.001	FR	-0.044	s	GCVS 2012	V	36	14)
	55835.3460	.0018	FR	-0.0419	s	GCVS 2012	o	19	14)
GU Vul	55797.4504	.0018	AG	+0.0303		GCVS 2012	-Ir	24	13)
	55835.3885	.0045	FR	+0.0313		GCVS 2012	o	22	14)
HS Vul	55790.4400	.0014	AG	+0.0379	s	GCVS 2012	-Ir	31	13)
	55797.4132	.0013	AG	+0.0377	s	GCVS 2012	-Ir	26	13)
	55799.4058	.0002	GB	+0.0379	s	GCVS 2012	o	85	2)
	55802.3952	.0024	AG	+0.0387	s	GCVS 2012	-Ir	34	13)
	55802.5625	.0020	AG	+0.0400		GCVS 2012	-Ir	34	13)
	55804.3870	.0003	GB	+0.0381	s	GCVS 2012	o	108	2)
	55805.3834	.0002	GB	+0.0383	s	GCVS 2012	o	109	2)
	55806.3800	.0001	GB	+0.0387	s	GCVS 2012	o	100	2)
	55806.5467	.0005	GB	+0.0394		GCVS 2012	o	86	2)
	55808.3722	.0001	GB	+0.0385	s	GCVS 2012	o	75	2)
KN Vul	55801.4051	.0021	AG	-0.0036	s	GCVS 2012	-Ir	44	13)
	55801.5870	.0026	AG	-0.0004		GCVS 2012	-Ir	44	13)
	55835.3535	.0017	FR	-0.0018	s	GCVS 2012	o	15	14)
NO Vul	55790.4319	.0022	AG	+0.0911	s	GCVS 2012	-Ir	32	13)
V467 Vul	55791.5332	.0079	AG	-0.0415	s	GCVS 2012	-Ir	35	13)
	55806.4902	.0037	AG	-0.0441	s	GCVS 2012	-Ir	29	13)
	55807.5557	.0021	AG	-0.0472		GCVS 2012	-Ir	31	13)
GSC 00871-00486	55672.5278	.0014	FR				o	69	14)
GSC 01100-01182	55396.5292	.0015	AG				-Ir	25	13)
GSC 01127-01808	55867.3481	.0006	QU				V	101	4)
GSC 01383-00181	55621.3707	.0002	FR				-Ir	97	13)
	55621.5034	.0003	FR				-Ir	97	13)
GSC 01383-01023	55621.4382	.0018	FR				-Ir	40	13)
GSC 01643-01880	55802.3625	.0039	AG				-Ir	36	13)
	55838.4136	.0016	JU				o	78	3)
GSC 02038-00293	55689.4590	.0007	FR	-0.0565	s	BAVM 177	-Ir	32	13)
	55784.3952	.0022	FR	+0.0087		BAVM 177	-Ir	18	13)
GSC 02040-00212	55662.4878	.0030	FR				o	21	14)
GSC 02140-01485	55802.4368	.0008	AG	-0.0337		BAV unpb	-Ir	33	13)
	55802.5864	.0007	AG	-0.0347	s	BAV unpb	-Ir	33	13)
GSC 02157-00014	55830.4388	.0004	FR				-Ir	51	13)
GSC 02161-01310	55791.4917	.0012	FR	+0.0813		BAVRb 59,3	-Ir	47	13)
GSC 02192-01283	55791.4506	.0014	AG	+0.0263		IBVS 5500-22	-Ir	35	13)
	55806.5328	.0011	AG	+0.0292	s	IBVS 5500-22	-Ir	29	13)
GSC 02484-00139	55628.3682	.0023	AG				-Ir	50	13)
	55628.5046	.0012	AG				-Ir	50	13)
	55628.6442	.0013	AG				-Ir	50	13)
	55624.4746	.0018	AG				-Ir	36	13)
GSC 02537-00520	55642.3715	.0098	AG	-0.0239	s	PZP 10.4	-Ir	61	13)
GSC 02569-00553	55642.5185	.0081	AG	-0.0246		PZP 10.4	-Ir	61	13)
	55640.5405	.0018	MS FR				o	690	6)
GSC 02610-00088	55661.5774	.0048	AG				-Ir	41	13)
	55670.4678	.0058	AG				-Ir	35	13)
	55791.5641	.0046	AG	-0.0116	s	IBVS 5900-4	-Ir	34	13)
GSC 02656-04286	55804.5063	.0022	AG	-0.0163		IBVS 5900-4	-Ir	34	13)
GSC 02660-04155	55707.4537	.0012	FR				-Ir	37	13)
GSC 02673-02495	55741.4453	.0010	AG	+0.0539	s	PZP 10.4	-Ir	32	13)
	55790.4948	.0257	AG	+0.0393		PZP 10.4	-Ir	35	13)
	55794.5402	.0155	AG	+0.0441	s	PZP 10.4	-Ir	37	13)
GSC 02677-00988	55833.4133	.0014	FR				-Ir	32	13)
GSC 03547-02135	55671.6031	.0010	FR				o	19	14)
GSC 03575-06239	55691.4271	.0029	AG	+0.0869	s	PZP 10.4	-Ir	23	13)
GSC 03612-00014	55839.3787	.0213	AG	+0.0110	s	PZP 10.4	-Ir	50	13)
GSC 03618-00448	55815.4250	.0150	AG	-0.0090		PZP 10.4	-Ir	36	13)
GSC 03619-00047	55784.3678	.0039	AG	+0.0030		PZP 10.4	-Ir	40	13)
	55849.3456	.0115	AG	+0.0045		PZP 10.4	-Ir	55	13)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
GSC 03619-00715	55815.5678	.0092	AG			-Ir	44	13)
GSC 03679-02129	55817.4563	.0120	AG			-Ir	35	13)
	55859.4320	.0076	AG			-Ir	54	13)
	55894.4146	.0034	AG			-Ir	43	13)
GSC 03688-01184	55817.4624	.0030	AG	-0.0020	PZP 10.4	-Ir	34	13)
	55894.3670	.0041	AG	+0.0036	PZP 10.4	-Ir	44	13)
GSC 03949-01072	55829.5325	.0005	FR			-Ir	64	13)
	55831.3351	.0004	FR			-Ir	78	13)
	55831.5602	.0003	FR			-Ir	78	13)
	55834.4897	.0002	FR			-Ir	81	13)
	55839.4468	.0002	FR			-Ir	77	13)
	55851.3911	.0004	FR			-Ir	91	13)
	55851.6137	.0008	FR			-Ir	91	13)
GSC 04009-00670	55838.3957	.0108	AG	-0.0018	PZP 10.4	-Ir	66	13)
	55856.3101	.0064	AG	-0.0047	PZP 10.4	-Ir	54	13)
	55856.5837	.0114	AG	-0.0110	s PZP 10.4	-Ir	54	13)
	55874.5045	.0096	AG	-0.0075	s PZP 10.4	-Ir	56	13)
GSC 04285-00122	55857.3166	.0028	AG	+0.0040	PZP 10.4	-Ir	81	13)
	55857.4957	.0040	AG	-0.0042	s PZP 10.4	-Ir	81	13)
GSC 04339-01166	55627.5533	.0141	AG	-0.0074	s PZP 10.13	-Ir	120	13)
	55670.5409	.0001	AG	-0.0054	s PZP 10.13	-Ir	86	13)
	55888.6709	.0007	RAT RCR	+0.0858	PZP 10.13	-U-I	352	15)
GSC 04827-02862	55622.3413	.0003	FR			-Ir	121	13)
	55622.4735	.0003	FR			-Ir	121	13)
GSC 04827-02889	55622.3597	.0008	FR			-Ir	35	13)
GSC 04965-00293	55674.3657	.0023	FR			o	53	14)
GSC 06281-00246	55799.4295	.0008	FR	+0.0035	BAVR 59,2	-Ir	33	13)
NSV 2146	55887.4076	.0009	FR			-Ir	40	13)
NSV 24737	55850.2381	.0001	FR			-Ir	167	13)
NSV 5501	55590.4919	.0105	RAT RCR			-U-I	217	15)
	55592.5546	.0004	RAT RCR			-U-I	252	15)
	55601.4967	.0003	RAT RCR			-U-I	222	15)
NSVS 10105062	55621.3449	.0005	FR			-Ir	87	13)
	55621.4655	.0002	FR			-Ir	87	13)
NSVS 10123419	55622.5038	.0114	AG			-Ir	77	13)
NSVS 103152	55578.3813	.0210	AG			-Ir	107	13)
	55578.6463	.0041	AG			-Ir	107	13)
NSVS 1701206	55884.4597	.0013	FR			-Ir	36	13)
NSVS 1810013	55878.6637	.0017	FR			o	64	14)
	55879.4687	.0016	FR			o	87	14)
NSVS 1857770	55879.2456	.0026	FR			o	41	14)
NSVS 4307145	55859.3821	.0002	FR			o	50	14)
NSVS 4319623	55859.3239	.0039	FR			o	50	14)
	55859.5362	.0044	FR			o	50	14)
NSVS 5811775	55851.3548	.0021	FR			o	49	14)
U-A2 1200-07442402	55642.5912	.0069	AG			V	61	13)
U-A2 1200-11760524	55707.4877	.0025	AG			-Ir	20	13)
U-A2 1200-12680286	55791.5824	.0015	AG	-0.0184	IBVS 5700-73	-Ir	34	13)
	55804.4784	.0026	AG	-0.0187	s IBVS 5700-73	-Ir	34	13)
U-A2 1275-16067829	55372.4595	.0074	AG			-Ir	33	13)
U-A2 1500-01208912	55808.4125	.0023	AG	+0.0188	IBVS 5900-6	-Ir	34	13)
U-B1 1092-0472807	55805.4634	.0077	AG			-Ir	35	13)
U-B1 1108-0490540	55042.4918	.0006	AG			-Ir	42	13)
	55393.4034	.0047	AG			-Ir	30	13)
	55802.5274	.0031	AG			-Ir	37	13)
	55805.4052	.0049	AG			-Ir	36	13)
U-B1 1135-0102876	55629.3283	.0032	AG			-Ir	50	13)
U-B1 1166-0562907	55481.3536	.0072	AG			-Ir	40	13)
U-B1 1316-0383362	55711.3882	.0003	AG	+0.0317	BAV unpb	-Ir	28	13)
	55711.5531	.0007	AG	+0.0313	s BAV unpb	-Ir	28	13)



Table 1: (cont.)

Variable	HJD 24....	$\pm$	Obs	$O - C$		Bibliography	Fil	n	Rem
U-B1 1332-0399848	55687.4809	.0024	AG	-0.0060	s	BAV unpb	-Ir	25	(13)
U-B1 1398-0469064	55784.4185	.0022	AG	-0.0835		PZP 10.4	-Ir	40	(13)
	55784.5762	.0014	AG	+0.0742		PZP 10.4	-Ir	40	(13)
	55799.4984	.0027	AG	+0.0367		PZP 10.4	-Ir	28	(13)
	55849.2907	.0027	AG	+0.0717		PZP 10.4	-Ir	50	(13)
	55849.4581	.0043	AG	+0.0765	s	PZP 10.4	-Ir	50	(13)
	55849.6179	.0012	AG	+0.0737		PZP 10.4	-Ir	50	(13)
U-B1 1400-0455467	55799.4702	.0269	AG	+0.1584		PZP 10.13	-Ir	28	(13)
U-B1 1416-0454010	55784.3858	.0029	AG				-Ir	40	(13)
	55784.5468	.0026	AG				-Ir	40	(13)
	55849.2661	.0020	AG				-Ir	55	(13)
	55849.5826	.0076	AG				-Ir	55	(13)
U-B1 1440-0411990	55801.5131	.0033	AG	-0.0711		IBVS 5700-54	-Ir	41	(13)
	55850.4522	.0122	AG	-0.0723		IBVS 5700-54	-Ir	49	(13)
U-B1 1441-0441871	55808.4442	.0059	AG	+0.0079		PZP 10.13	-Ir	26	(13)
	55839.4475	.0016	AG	+0.0099		PZP 10.13	-Ir	40	(13)
	55873.3142	.0035	AG	+0.0111	s	PZP 10.13	-Ir	52	(13)
U-B1 1492-0009970	55776.4611	.0044	AG	-0.0073	s	PZP 10.13	-Ir	35	(13)
	55838.3596	.0115	AG	-0.0595	s	PZP 10.13	-Ir	57	(13)
U-B1 1500-0005759	55857.3168	.0085	AG	+0.1172	s	AJ 133.1470	-Ir	81	(13)
	55857.6288	.0062	AG	+0.1080		AJ 133.1470	-Ir	81	(13)
U-B1 1503-0282065	55691.5213	.0022	AG				-Ir	48	(13)
	55787.3717	.0014	AG				-Ir	35	(13)
	55787.5531	.0012	AG				-Ir	35	(13)
U-B1 1505-0372164	55776.3721	.0016	AG	+0.0207	s	PZP 10.13	-Ir	35	(13)
	55776.5293	.0012	AG	+0.0208		PZP 10.13	-Ir	35	(13)
	55835.5169	.0003	RAT RCR	-0.0650		PZP 10.13	-U-I	317	(15)
	55835.6755	.0020	RAT RCR	-0.0635	s	PZP 10.13	-U-I	317	(15)
U-B1 1508-0029126	55808.4194	.0036	AG	+0.0027	s	IBVS 5900-5	-Ir	34	(13)
U-B1 1514-0040346	55858.6204	.0095	AG	+0.0101		PZP 10.13	-Ir	61	(13)

Table 2: Times of maxima of pulsating stars

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
SW And	55796.4804	.0035	PGL	-0.0037	A	A 476.307 2007	V	299 16)
XX And	55446.3386	.0035	PGL	+0.0219	BAVR 48,189	V	202	16)
CC And	55878.3887	.0028	WN	+0.0086	GCVS 2012	V	74	10)
	55887.3968	.0019	WN	+0.0233	GCVS 2012	V	131	10)
DM And	55851.495	.002	AG	+0.134	GCVS 2012	-Ir	63	13)
DU And	55850.334	.002	AG	-0.127	GCVS 2012	-Ir	53	13)
	55859.436	.001	AG	-0.127	GCVS 2012	-Ir	45	13)
GP And	55858.5320	.0010	WN	+0.0052	GCVS 2012	V	112	10)
	55878.4388	.0008	WN	+0.0052	GCVS 2012	V	180	10)
	55878.5172	.0010	WN	+0.0049	GCVS 2012	V	180	10)
	55879.4614	.0012	WN	+0.0049	GCVS 2012	V	52	10)
	55879.5392	.0007	WN	+0.0041	GCVS 2012	V	36	10)
	55886.3862	.0008	WN	+0.0057	GCVS 2012	V	161	10)
	55886.4642	.0008	WN	+0.0050	GCVS 2012	V	161	10)
	55893.3889	.0007	WN	+0.0056	GCVS 2012	V	43	10)
	55893.4669	.0007	WN	+0.0049	GCVS 2012	V	44	10)
	55894.4108	.0006	WN	+0.0046	GCVS 2012	V	49	10)
	55895.3551	.0007	WN	+0.0047	GCVS 2012	V	51	10)
	55896.3780	.0006	WN	+0.0047	GCVS 2012	V	114	10)
	55908.3381	.0007	WN	+0.0051	GCVS 2012	V	147	10)
	55908.4169	.0008	WN	+0.0052	GCVS 2012	V	147	10)
	55958.2232	.0007	WN	+0.0053	GCVS 2012	V	48	10)
MV And	55859.456	.003	AG			-Ir	45	13)
V460 And	55850.343	.001	AG			-Ir	24	13)
	55850.569	.001	AG			-Ir	29	13)
	55894.283	.001	AG			-Ir	35	13)
	55894.358	.001	AG			-Ir	35	13)
	55894.433	.001	AG			-Ir	35	13)
CY Aqr	55793.4464	.0010	TMG	-0.0037	GCVS 2012	o	160	5)
	55793.5077	.0004	TMG	-0.0034	GCVS 2012	o	160	5)
	55793.5685	.0003	TMG	-0.0036	GCVS 2012	o	160	5)
	55878.2906	.0004	WN	-0.0028	GCVS 2012	V	56	10)
	55879.3887	.0004	WN	-0.0034	GCVS 2012	V	47	10)
	55886.3477	.0007	WN	-0.0028	GCVS 2012	V	69	10)
	55887.2642	.0009	WN	-0.0019	GCVS 2012	V	136	10)
	55887.3242	.0007	WN	-0.0029	GCVS 2012	V	136	10)
	55893.2453	.0006	WN	-0.0025	GCVS 2012	V	68	10)
	55893.3065	.0006	WN	-0.0024	GCVS 2012	V	32	10)
	55894.2222	.0009	WN	-0.0023	GCVS 2012	V	135	10)
	55894.2829	.0005	WN	-0.0026	GCVS 2012	V	135	10)
	55895.1984	.0008	WN	-0.0027	GCVS 2012	V	201	10)
	55895.2593	.0007	WN	-0.0028	GCVS 2012	V	201	10)
	55895.3202	.0003	WN	-0.0030	GCVS 2012	V	201	10)
	55896.2362	.0005	WN	-0.0025	GCVS 2012	V	94	10)
FY Aqr	55807.4812	.0015	MZ	+0.0225	GCVS 2012	o	91	3)
GW Aqr	55877.2592	.0015	MZ			-Ir	60	3)
X Ari	55940.3312	.0028	PGL	+0.0769	BAVR 48,189	V	631	12)
RV Ari	55857.4789	.0005	WLH	+0.0030	GCVS 2012	-Ir	129	4)
SY Ari	55856.404	.003	AG	-0.010	GCVS 2012	-Ir	56	13)
TU Ari	55856.413	.001	AG	-0.169	GCVS 2012	-Ir	56	13)
TV Ari	55856.379	.002	AG			-Ir	57	13)
TY Ari	55856.565	.001	AG	+0.005	GCVS 2012	-Ir	57	13)
TZ Aur	55951.3947	.0021	PGL	+0.0141	GCVS 2012	V	144	16)
V378 Aur	55650.271	.001	PGL			V	701	16) 20)
BG Boo	54924.547	.003	AG	+0.144	GCVS 2012	-Ir	38	13)
	55686.529	.005	AG	+0.111	GCVS 2012	-Ir	47	13)
BU Boo	55711.4670	.0031	SCI			o	26	3)
CG Boo	55628.5386	.0004	RAT RCR			-U-I	234	15)
CM Boo	55640.4812	.0008	QU	-0.1234	GCVS 2012	V	35	4)
CS Boo	55704.4231	.0013	SCI	-0.0042	IBVS 2855	o	109	3)

Table 2: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
DD Boo	55662.345	.007	MS FR			o	531	6)
UY Cam	55887.336	.002	AG	+0.072	BAVR 49,41	-Ir	74	13)
	55887.601	.002	AG	+0.070	BAVR 49,41	-Ir	74	13)
EW Cam	55887.471	.002	AG			-Ir	74	13)
NT Cam	55887.241	.001	AG			-Ir	74	13)
	55887.329	.001	AG			-Ir	74	13)
	55887.410	.001	AG			-Ir	74	13)
	55887.487	.001	AG			-Ir	74	13)
	55887.570	.001	AG			-Ir	74	13)
	55887.659	.001	AG			-Ir	74	13)
SY CMi	55943.5163	.0026	WU	+0.0843	GCVS 2012	V	275	17)
HU Cas	55894.489	.001	AG	-0.040	GCVS 2012	-Ir	44	13)
PS Cas	55817.526	.002	AG	-0.177	GCVS 2012	-Ir	34	13)
	55894.280	.002	AG	-0.174	GCVS 2012	-Ir	43	13)
V470 Cas	55859.555	.003	AG	+0.251	IBVS 4332	-Ir	54	13)
V823 Cas	55878.310	.002	FR			-Ir	119	13)
V871 Cas	55849.5109	.0005	RAT RCR			-U-I	269	15)
	55849.6341	.0020	RAT RCR			-U-I	269	15)
V1040 Cas	55856.335	.001	AG	-0.013	GCVS 2012	-Ir	26	13)
	55856.554	.002	AG	-0.014	GCVS 2012	-Ir	28	13)
	55874.368	.001	AG	-0.012	GCVS 2012	-Ir	35	13)
RZ Cep	50463.617	.001	SCG	-0.017	GCVS 2012	V	100	1)
	55807.461	.003	AG	-0.132	GCVS 2012	-Ir	56	13)
SZ CrB	55662.554	.010	FR	+0.014	BAVR 49,41	o	37	14)
UY Cyg	48085.448	.001	WU	+0.038	GCVS 2012	V	40	1)
	48893.425	.001	WU	+0.040	GCVS 2012	V	29	1)
XX Cyg	55830.3257	.0005	WN	+0.0030	GCVS 2012	V	56	10)
	55835.3151	.0008	WN	+0.0024	GCVS 2012	V	60	10)
	55837.3383	.0006	WN	+0.0026	GCVS 2012	V	67	10)
	55848.2625	.0009	WN	+0.0027	GCVS 2012	V	75	10)
	55850.2861	.0001	WN	+0.0033	GCVS 2012	V	89	10)
	55858.3776	.0006	WN	+0.0029	GCVS 2012	V	55	10)
	55879.2815	.0007	WN	+0.0027	GCVS 2012	V	66	10)
	55880.2275	.0004	WNI	+0.0047	GCVS 2012	V	100	10)
XZ Cyg	55461.3129	.0022	WN	+0.0355	BAVR 48,189	V	130	10)
	55830.4013	.0014	WN	+0.0472	BAVR 48,189	V	105	10)
DM Cyg	48106.526	.001	WU	+0.014	A	A 476.307	V	30 1)
	48484.407	.001	WU	+0.018	A	A 476.307	V	56 1)
	48893.345	.001	WU	+0.008	A	A 476.307	V	32 1)
	55835.3553	.0012	WN	-0.0068	A	A 476.307	V	65 10)
IV Cyg	55833.477	.004	FR			-Ir	64	13)
KP Cyg	54317.391	.002	MZ	-0.084	GCVS 2012	-Ir	75	3)
	55820.393	.002	MZ	-0.106	GCVS 2012	-Ir	115	3)
V791 Cyg	55804.474	.004	FR	-0.113	GCVS 2012	-Ir	46	13)
	55826.454	.004	FR	-0.106	GCVS 2012	-Ir	47	13)
	55838.292	.004	FR	-0.100	GCVS 2012	-Ir	44	13)
V794 Cyg	55790.503	.002	AG			-Ir	34	13)
V798 Cyg	55791.519	.001	AG	-0.063	GCVS 2012	-Ir	31	13)
V881 Cyg	55802.562	.005	FR	+0.088	GCVS 2012	-Ir	61	13)
V1719 Cyg	55834.518	.003	FR	-0.055	GCVS 2012	o	394	14)
	55851.361	.003	FR	-0.052	GCVS 2012	o	40	14)
V1821 Cyg	53662.355	.004	FR			o	60	7)
	55856.293	.004	FR			-Ir	39	13)
V2088 Cyg	55835.351	.002	FR			o	19	14)
V2109 Cyg	55671.586	.004	FR			o	58	14)
	55778.378	.001	FR			-Ir	39	13)
	55801.448	.002	FR			-Ir	37	13)
V2238 Cyg	53662.414	.005	FR			o	60	7)
	55856.341	.003	FR			-Ir	33	13)
V2455 Cyg	55834.519	.002	FR			o	97	14)

Table 2: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem	
V2470 Cyg	55774.4695	.0015	MZ			-Ir	119	3)	
	55807.3839	.0015	MZ			-Ir	90	3)	
DX Del	55806.4347	.0250	MOO	+0.0670	GCVS 2012	V	42	16)	
	55806.4349	.0017	WLH	+0.0672	GCVS 2012	o	285	4)	
	55833.3708	.0030	WN	+0.0639	GCVS 2012	V	147	10)	
	55879.2153	.0023	WN	+0.0646	GCVS 2012	V	73	10)	
	55905.2089	.0020	WNI	+0.0643	GCVS 2012	V	82	10)	
EF Del	55829.3427	.0008	MZ	+0.1104	GCVS 2012	-Ir	96	3)	
	55855.3045	.0015	MZ	+0.1127	GCVS 2012	-Ir	108	3)	
FF Del	55836.3773	.0010	SB			V	40	11)	
SU Dra	50200.496	.001	WU	+0.024	GCVS 2012	V	30	1)	
BK Dra	55852.5230	.0017	SCI	+0.0829	BAVR 46,1	o	75	3)	
RR Gem	55952.3371	.0021	PGL	-0.0256	BAVR 47,67	V	202	16)	
V397 Gem	55263.470	.002	FR			-Ir	50	13)	
VX Her	55776.3958	.0021	PGL	+0.0006	GCVS 2012	V	143	12)	
	55739.5068	.0035	PGL	+0.0480	BAVR 52,3	V	204	12)	
AR Her	55748.4135	.0035	PGL	+0.0250	BAVR 52,3	V	204	12)	
	55787.4497	.0035	PGL	+0.0525	BAVR 52,3	V	247	12)	
	55810.4569	.0035	PGL	+0.0305	BAVR 52,3	V	142	12)	
	55834.4560	.0049	PGL	+0.0603	BAVR 52,3	V	267	16)	
	55836.3272	.0014	WN	+0.0516	BAVR 52,3	V	106	10)	
DY Her	55836.2707	.0012	WN	-0.0065	BAVR 48,189	V	47	10)	
V392 Her	55797.4037	.0012	MZ	-0.1369	GCVS 2012	-Ir	136	3)	
	55849.3196	.0018	MZ	-0.1360	GCVS 2012	-Ir	74	3)	
V633 Her	55805.3758:	.0020	MZ	+0.0039	BAVR 61.83	-Ir	60	3)	
V929 Her	55670.538 :	.005	FR			o	79	14)	
V1131 Her	55861.3743	.0015	MZ			-Ir	119	3)	
XZ Lac	55799.396	.001	AG			-Ir	28	13)	
CH Lac	55849.463	.005	AG	+0.011	GCVS 2012	-Ir	50	13)	
CZ Lac	55833.4323	.0062	PGL	-0.2126	BAVR 53,12	V	107	16)	
ST Leo	55672.477	.003	FR	-0.020	GCVS 2012	-Ir	106	13)	
SZ Lyn	55262.4417	.0022	WS	+0.0269	GCVS 2012	o	0	18)	
RZ Lyr	55867.3043	.0035	PGL	-0.0240	BAVR 48,189	V	98	16)	
WW Lyr	54339.488	.014	FR	+0.098	GCVS 2012	-Ir	17	8)	
	55857.397	.003	FR	+0.111	GCVS 2012	-Ir	55	13)	
ZZ Lyr	55832.3476	.0005	MZ			-Ir	100	3)	
	55836.3691	.0005	MZ			-Ir	119	3)	
CN Lyr	55834.3342	.0032	WN	-0.0015	A	A 476.307	V	171	10)
	55848.3203	.0032	WN	-0.0024	A	A 476.307	V	83	10)
EN Lyr	55806.4841	.0013	MZ	+0.1595	GCVS 2012	-Ir	81	3)	
	55835.3034	.0014	MZ	+0.1570	GCVS 2012	-Ir	79	3)	
EX Lyr	55748.4633	.0020	MZ	-0.0872	GCVS 2012	-Ir	86	3)	
	55805.4907	.0010	MZ	-0.0823	GCVS 2012	-Ir	118	3)	
QV Lyr	55794.409	.001	AG	+0.117	GCVS 2012	-Ir	37	13)	
VZ Peg	55817.571	.002	AG	-0.010	BAVR 49,41	-Ir	63	13)	
AO Peg	55806.450	.002	AG	-0.015	BAVR 49,41	-Ir	29	13)	
AV Peg	55806.578	.001	AG	+0.012	A	A 476.307	-Ir	29	13)
BH Peg	55835.4566	.0049	PGL	-0.0214	BAVR 47,67	V	378	12)	
	55896.3953	.0035	PGL	+0.0235	BAVR 47,67	V	296	12)	
	55941.2217	.0035	PGL	-0.0192	BAVR 47,67	V	299	12)	
	55957.2423	.0035	PGL	-0.0233	BAVR 47,67	V	184	12)	
	55791.437	.001	AG	-0.026	BAVR 48,189	-Ir	16	13)	
BP Peg	55791.543	.001	AG	-0.029	BAVR 48,189	-Ir	19	13)	
	55806.444	.001	AG	-0.026	BAVR 48,189	-Ir	32	13)	
	55806.555	.001	AG	-0.025	BAVR 48,189	-Ir	32	13)	
	55807.426	.001	AG	-0.030	BAVR 48,189	-Ir	31	13)	
	55807.537	.001	AG	-0.029	BAVR 48,189	-Ir	31	13)	
CS Peg	55839.298	.005	FR	-0.036	BAVR 48,189	o	45	14)	
	55798.3949	.0006	MZ	+0.2375	GCVS 2012	-Ir	118	3)	
	55828.3174	.0012	MZ	+0.2394	GCVS 2012	-Ir	90	3)	

Table 2: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem	
DY Peg	55796.5192	.0028	PGL	-0.0115	GCVS 2012	V	213	12)	
	55833.4192	.0021	PGL	-0.0122	GCVS 2012	V	225	12)	
	55835.4623	.0004	WN	-0.0110	GCVS 2012	V	130	10)	
	55836.4099	.0006	WN	-0.0115	GCVS 2012	V	155	10)	
	55836.4831	.0006	WN	-0.0112	GCVS 2012	V	155	10)	
	55837.4307	.0005	WN	-0.0116	GCVS 2012	V	250	10)	
	55837.5046	.0008	WN	-0.0107	GCVS 2012	V	250	10)	
	55848.3705	.0009	WN	-0.0108	GCVS 2012	V	136	10)	
	55848.4420	.0005	WN	-0.0122	GCVS 2012	V	136	10)	
	55849.3909	.0007	WN	-0.0114	GCVS 2012	V	277	10)	
	55849.4641	.0007	WN	-0.0111	GCVS 2012	V	277	10)	
	55849.5366	.0008	WN	-0.0115	GCVS 2012	V	277	10)	
	55856.3923	.0004	WN	-0.0109	GCVS 2012	V	203	10)	
	55856.4648	.0005	WN	-0.0113	GCVS 2012	V	203	10)	
	55857.3400	.0006	WN	-0.0112	GCVS 2012	V	256	10)	
	55857.4130	.0010	WN	-0.0111	GCVS 2012	V	256	10)	
	55857.4853	.0007	WN	-0.0118	GCVS 2012	V	256	10)	
	55858.4334	.0006	WN	-0.0117	GCVS 2012	V	93	10)	
	55859.3820	.0009	WN	-0.0112	GCVS 2012	V	95	10)	
	55867.3309	.0006	WN	-0.0112	GCVS 2012	V	177	10)	
	55867.4040	.0006	WN	-0.0110	GCVS 2012	V	177	10)	
	55877.3217	.0008	WN	-0.0113	GCVS 2012	V	54	10)	
	55878.3419	.0006	WN	-0.0121	GCVS 2012	V	61	10)	
	55879.3634	.0014	WN	-0.0116	GCVS 2012	V	72	10)	
	55879.4366	.0019	WN	-0.0113	GCVS 2012	V	43	10)	
	55879.5106	.0009	WN	-0.0102	GCVS 2012	V	41	10)	
	55886.2915	.0006	WN	-0.0115	GCVS 2012	V	58	10)	
	55893.2923	.0008	WN	-0.0116	GCVS 2012	V	50	10)	
	55893.3654	.0014	WN	-0.0114	GCVS 2012	V	51	10)	
	55893.4377	.0008	WN	-0.0120	GCVS 2012	V	51	10)	
	55894.3133	.0007	WN	-0.0116	GCVS 2012	V	141	10)	
	55894.3872	.0009	WN	-0.0106	GCVS 2012	V	141	10)	
	55896.2829	.0001	WN	-0.0110	GCVS 2012	V	141	10)	
	55896.3552	.0008	WN	-0.0116	GCVS 2012	V	141	10)	
	55908.2422	.0009	WN	-0.0116	GCVS 2012	V	158	10)	
	55908.3145	.0003	WN	-0.0122	GCVS 2012	V	158	10)	
	ET Per	55817.4490	.0010	AG	-0.0274	BAVR 49,41	-Ir	35	13)
		55859.306	.002	AG	-0.001	GCVS 2012	-Ir	53	13)
	KV Per	55859.553	.002	AG	-0.003	GCVS 2012	-Ir	53	13)
		55878.2389	.0035	PGL	-0.0012	GCVS 2012	V	555	16)
		55879.486	.001	AG	+0.000	GCVS 2012	-Ir	63	13)
		55894.432	.002	AG	-0.001	GCVS 2012	-Ir	44	13)
	V447 Per	55894.467	.002	AG			-Ir	37	13)
	DP Sge	55790.467	.002	AG	-0.159	GCVS 2012	-Ir	30	13)
	EH Sge	55802.428	.001	AG			-Ir	34	13)
	GW Sge	55805.444	.008	AG	+0.182	GCVS 2012	-Ir	23	13)
	V1025 Sgr	55799.439	.004	FR	-0.023	GCVS 2012	-Ir	39	13)
	SX Tri	55886.3338	.0018	MZ			-Ir	156	3) 20)
	TU UMa	55984.3792	.0035	PGL	-0.0536	GCVS 2012	V	219	12)
	UZ UMa	55887.633	.001	AG	-0.005	GCVS 2012	-Ir	74	13)
	AE UMa	55984.4472	.0014	PGL	+0.0049	BAVR 48,189	v	227	16)
	KT UMa	55879.701	.000	MS FR			o	550	6)
	BN Vul	55752.4651	.0028	PGL	+0.0721	GCVS 2012	V	96	16)
HR Vul	55802.423	.001	AG	+0.084	GCVS 2012	-Ir	34	13)	
GSC 00612-00771	55959.2511	.0010	WN			V	79	10)	
	55960.2551	.0009	WNI			V	73	10)	
	55963.2684	.0011	WNI			V	92	10)	

Table 2: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem	
GSC 01220-01131	55959.3557	.0010	WN			V	129	10)	
	55964.2385	.0016	WN			V	160	10)	
	55964.3180	.0013	WN			V	160	10)	
	55966.2712	.0015	WN			V	123	10)	
	55968.3045	.0019	WN			V	135	10)	
GSC 01594-02234	55969.2803	.0011	WN			V	111	10)	
	55837.2877	.0014	WN			V	77	10)	
	55849.3176	.0018	WN			V	142	10)	
	55856.2891	.0014	WN			V	97	10)	
	55857.2445	.0015	WN			V	140	10)	
	55858.3392	.0023	WN			V	196	10)	
	55859.2980	.0020	WN			V	139	10)	
	55861.3477	.0033	WN			V	206	10)	
	55867.2240	.0022	WN			V	120	10)	
	55870.2302	.0016	WN			V	120	10)	
	55877.2005	.0014	WN			V	148	10)	
	55886.2231	.0016	WN			V	103	10)	
	55830.2922	.0015	WN			V	56	10)	
GSC 02108-01564	55829.431	.002	FR	-0.022	PZP 10.13	o	64	14)	
GSC 02670-04008	55838.335	.002	AG	+0.001	PZP 10.13	-Ir	36	13)	
	55838.436	.002	AG	+0.006	PZP 10.13	-Ir	36	13)	
	55801.428	.003	AG	-0.013	BAV unpb	-Ir	44	13)	
GSC 02671-02149	55829.480	.004	FR	-0.045	BAV unpb	o	64	14)	
GSC 02671-02149	55829.480	.004	FR	-0.045	BAV unpb	o	64	14)	
GSC 03650-01998	55877.285	.001	FR			-Ir	36	13)	
GSC 03755-00845	55958.3910	.0010	WN			V	77	10)	
	55959.3795	.0009	WN			V	123	10)	
	55959.4562	.0013	WN			V	123	10)	
	55963.3365	.0147	WN			V	135	10)	
	55964.4031	.0013	WN			V	202	10)	
	55964.4776	.0010	WN			V	202	10)	
	55966.3812	.0012	WN			V	216	10)	
	55966.4574	.0014	WN			V	216	10)	
	55968.3598	.0006	WN			V	77	10)	
	55969.3490	.0011	WN			V	190	10)	
	55969.4248	.0019	WN			V	190	10)	
	GSC 03949-00386	55832.329	.003	FR			-Ir	142	13)
		55834.335	.001	FR			-Ir	140	13)
		55834.625	.001	FR			-Ir	140	13)
		55835.295	.001	FR			-Ir	125	13)
55835.585		.001	FR			-Ir	125	13)	
55839.509		.001	FR			-Ir	136	13)	
55851.483		.001	FR			-Ir	163	13)	
GSC 03986-01266	52148.548	.003	AG	-0.029	IBVS 5700-47	o	18	2)	
	52858.466	.003	AG	-0.051	IBVS 5700-47	-Ir	35	2)	
	52928.454	.003	AG	-0.023	IBVS 5700-47	o	35	2)	
	52928.600	.003	AG	-0.097	IBVS 5700-47	o	35	2)	
	53303.483	.003	AG	-0.094	IBVS 5700-47	-Ir	22	2)	
	54035.414	.004	AG	-0.103	IBVS 5700-47	-Ir	35	2)	
	54035.562	.004	AG	+0.045	IBVS 5700-47	-Ir	35	2)	
	54222.460	.003	AG	-0.057	IBVS 5700-47	-Ir	18	2)	
	54244.456	.005	AG	-0.061	IBVS 5700-47	-Ir	38	2)	
	54357.381	.005	AG	+0.004	IBVS 5700-47	-Ir	39	2)	
	55805.339	.003	AG	-0.078	IBVS 5700-47	-Ir	30	13)	
	55805.488	.003	AG	+0.071	IBVS 5700-47	-Ir	30	13)	
	NSVS 1637092	55878.678	.005	FR			o	128	14)
	NSVS 3660070	55878.417	.004	FR			o	117	14)
55879.292		.004	FR			o	84	14)	
TYC 1698-01052-1	55941.2429	.0021	PGL			V	192	12)	
	55951.3047	.0021	PGL			V	119	12)	
	55952.2813	.0021	PGL			V	138	12)	

Table 2: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Filter	n	Rem
U-A2 1200-07442272	55642.532	.003	AG	+0.079	IBVS 5700-69	V	61	13)
U-B1 1422-0506537	55775.413	.001	AG	-0.012	PZP 10.13	-Ir	42	13)
	55775.527	.001	AG	-0.011	PZP 10.13	-Ir	42	13)
U-B1 1424-0504416	55775.417	.001	AG	-0.002	PZP 10.13	-Ir	42	13)
	55775.563	.001	AG	-0.009	PZP 10.13	-Ir	42	13)
	55801.437	.003	AG	+0.009	PZP 10.13	-Ir	41	13)
	55801.583	.003	AG	+0.002	PZP 10.13	-Ir	41	13)
U-B1 1646-0035146	55627.375	.001	AG	-0.021	PZP 10.13	-Ir	120	13)

## Observers:

AG: Agerer, F., Tiefenbach  
 BHE: Böhme, D., Nessa  
 DIE: Dietrich, M., Radebeul  
 FR: Frank, P., Velden  
 GB: Gröbel, R., Eckental  
 JU: Jungbluth, Dr. H., Karlsruhe  
 MOO: Moos, C., Netphen  
 MS: Moschner, W., Lennestadt  
 MZ: Maintz, Dr. G., Bonn  
 PGL: Pagel, Dr. L., Klockenhagen  
 QU: Qvester, W., Esslingen  
 RAT: Rätz, M., Herges-Hallenberg  
 RCR: Rätz, K., Herges-Hallenberg  
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 TMG: Team Marinus Gymnasium, Linz  
 WLH: Wollenhaupt, G., Oberwiesenthal  
 WN: Wischnewski, M., Springe  
 WNI: Wischnewski, N., Springe  
 WS: Wischnewski, E., Kaltenkirchen  
 WTR: Walter, F., München  
 WU: Wunder, E., Edingen

## Remarks:

: uncertain  
 s secondary minimum  
 Photometer  
 1) photometer 1P21  
 2) ccd-camera ST-6; chip 375\*242 uncoated  
 3) ccd-camera ST-7  
 4) ccd-camera ST-7E  
 5) ccd-camera ST-9; chip 512\*512  
 6) ccd-camera ST-9XE; chip 512\*512  
 7) ccd-camera OES-LcCCD11  
 8) ccd-camera OES-LcCCD12  
 9) ccd-camera Pictor 416XT  
 10) ccd-camera Meade DSI Pro 2  
 11) ccd-camera Sigma 402; chip KAF0402ME  
 12) ccd-camera Artemis 4021  
 13) ccd-camera Sigma 1603  
 14) ccd-camera Canon EOS 450D  
 15) ccd-camera Moravian G2-1600  
 16) ccd-camera QHY8  
 17) ccd-camera Meade DSI Pro 3  
 18) ccd-camera Canon EOS 40D  
 19) ccd-camera Canon EOS 450D  
 20) normal maximum  
 21) normal minimum  
 Filter  
 o without filter  
 B B-filter  
 V V-filter  
 -Ir IR cut-off filter  
 -U-I U and IR cut-off filter  
 n Number of measurements

## References:

A&A Astronomy & Astrophysics  
 AJ vvv,ppp Astronomical Journal volume, pages  
 BAV unpb unpublished preliminary elements of the BAV  
 BAVM nnn BAV Mitteilungen No. nnn  
 BAVR vv,ppp BAV Rundbrief volume, pages  
 GCVS 2009 General Catalogue of Variable Stars, version: iii.dat 15.05.2012  
 IBVS nnnn Information Bulletin on Variable Stars No. nnnn  
 PZP vol.n Peremennye Zvezdy Prilozhenie Vol, No.  
 Star catalogues  
 GSC The HST Guide Star Catalogue 1.2  
 TYC Tycho Catalogue  
 U-A2 USNO A2.0 catalogue  
 U-B1 USNO B1.0 catalogue

