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**BAV-RESULTS OF OBSERVATIONS - PHOTOELECTRIC MINIMA OF  
SELECTED ECLIPSING BINARIES AND MAXIMA OF PULSATING STARS**  
(BAV MITTEILUNGEN NO. 212)

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In this 66th compilation of BAV results, photoelectric observations obtained in the years 2009 and 2010 are presented on 452 variable stars giving 838 minima on eclipsing binaries and maxima on pulsating stars. All moments of minima and maxima are heliocentric. The errors are tabulated in column ‘±’. The values in column ‘ $O - C$ ’ are determined without incorporation of 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.

**Table 1: Times of minima of eclipsing binaries**

Variable	HJD 24.....	±	Obs	$O - C$	Bibliography	Fil	n	Rem
RT And	55066.3799	.0021	PGL	+0.0422	GCVS 2009	V	735	16)
	55097.5110	.0008	AG	+0.0417	s GCVS 2009	-Ir	55	17)
TT And	55039.4804	.0003	MS FR	+0.0037	GCVS 2009	o	480	9)
WZ And	55154.5407	.0008	AG	+0.0032	s GCVS 2009	-Ir	77	17)
AA And	55039.5145	.0004	AG	-0.0036	GCVS 2009	-Ir	31	17)
	55141.4409	.0004	AG	-0.0027	GCVS 2009	-Ir	46	17)
AB And	55057.4429	.0035	PGL	-0.0046	s GCVS 2009	V	125	16)
	55114.3656	.0035	PGL	-0.0012	GCVS 2009	V	122	16)
AD And	55141.4827	.0003	AG	-0.0517	GCVS 2009	-Ir	50	17)
	55154.3025	.0010	JU	-0.0525	GCVS 2009	o	81	7)
BD And	55039.4130	.0007	AG	-0.0121	GCVS 2009	-Ir	31	17)
	55071.3532	.0001	MS FR	-0.0124	GCVS 2009	o	205	9)
BL And	55039.5310	.0005	AG	-0.0016	GCVS 2009	-Ir	31	17)
	55141.3862	.0003	AG	-0.0014	GCVS 2009	-Ir	52	17)
BO And	55141.4982	.0018	AG	+0.0951	GCVS 2009	-Ir	50	17)
CN And	55154.4593	.0011	AG	-0.0050	s GCVS 2009	-Ir	71	17)
HS And	55154.4308	.0009	AG	+0.0041	GCVS 2009	-Ir	80	17)
KN And	55067.5685	.0001	MS FR	+0.0911	BAVR 39,19	o	513	9)
KP And	55082.4143	.0011	FR	+0.0430	GCVS 2009	-Ir	54	17)
LM And	55059.5203	.0004	MS FR	-0.0097	GCVS 2009	o	564	9)
MO And	55045.5863	.0017	MS FR	+0.0004	GCVS 2009	o	345	9)
V404 And	55154.4264	.0006	AG	+0.0060	GCVS 2009	-Ir	80	17)
V422 And	55141.5550	.0049	AG	+0.0058	s GCVS 2009	-Ir	52	17)
V440 And	55154.4819	.0001	AG	-0.0337	s GCVS 2009	-Ir	73	17)
V441 And	55154.3104	.0005	AG	+0.0290	s GCVS 2009	-Ir	80	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
V441 And	55154.5444	.0005	AG	+0.0282	GCVS 2009	-Ir	80	17)
HS Aqr	55041.3878	.0012	FR	-0.0028	s GCVS 2009	-Ir	47	12)
LL Aqr	54735.339	.003	BKN	-0.019	IBVS 5557	V	240	14)
V1075 Aql	55067.4082	.0003	AG	-0.0352	GCVS 2009	-Ir	23	17)
V1097 Aql	55067.3592	.0014	AG	-0.0654	GCVS 2009	-Ir	23	17)
V1353 Aql	55067.3984	.0003	BRL	+0.0065	s BAVR 44,62	o	31	20)
	55067.4090	.0030	WTR	+0.0171	s BAVR 44,62	-Ir	75	13)
	55072.3650	.0024	BRL	+0.0213	s BAVR 44,62	o	48	20)
BC Aur	54829.6857	.0007	FR	-0.6804	s GCVS 2009	-Ir	37	17)
EM Aur	55164.4382	.0035	PGL	-0.1983	GCVS 2009	V	387	16)
IU Aur	54908.3706	.0042	ATB	-0.0066	s GCVS 2009	o	88	6)
KO Aur	55083.5852	.0002	MS FR	+0.0486	GCVS 2009	o	363	9)
TZ Boo	54648.5095	.0002	GB	-0.0448	BAVM 68	V	0	6)
	54658.4660	.0002	GB	-0.0430	s BAVM 68	o	0	6)
	54866.6247	.0003	GB	-0.0425	BAVM 68	B+V	0	6)
	54921.4526	.0002	GB	-0.0400	s BAVM 68	B+V	0	6)
	54921.6020	.0007	GB	-0.0392	BAVM 68	B+V	0	6)
	54924.4240	.0003	GB	-0.0402	s BAVM 68	B+V	0	6)
	54924.5734	.0002	GB	-0.0394	BAVM 68	B+V	0	6)
	54928.4367	.0003	GB	-0.0391	BAVM 68	B+V	0	6)
	54928.5855	.0007	GB	-0.0389	s BAVM 68	B+V	0	6)
AC Boo	54928.4989	.0001	GB	-0.0135	s GCVS 2009	B+V	0	6)
	54931.4908	.0001	MS FR	-0.0172	GCVS 2009	o	495	9)
	54933.4300	.0002	GB	-0.0164	s GCVS 2009	B+V	0	6)
BG Boo	55012.4328	.0070	JU	-0.0178	s GCVS 2009	o	46	7)
UU Cam	55125.3768	.0016	AG	+0.0069	GCVS 2009	-Ir	33	17)
VZ CVn	54972.4395	.0004	AG	-0.0005	GCVS 2009	-Ir	38	17)
EE CVn	54972.3989	.0001	AG	-0.0062	GCVS 2009	-Ir	38	17)
	54972.5392	.0007	AG	-0.0062	s GCVS 2009	-Ir	38	17)
EF CVn	54972.3898	.0008	AG	-0.0052	GCVS 2009	-Ir	38	17)
	54972.5251	.0005	AG	-0.0059	s GCVS 2009	-Ir	38	17)
EH CVn	54972.3979	.0006	AG	-0.0441	s GCVS 2009	-Ir	38	17)
	54972.5292	.0007	AG	-0.0446	GCVS 2009	-Ir	38	17)
EI CVn	54972.4345	.0005	AG	-0.0143	GCVS 2009	-Ir	38	17)
	54972.5640	.0004	AG	-0.0152	s GCVS 2009	-Ir	38	17)
TW Cas	55070.3996	.0002	FLG	-0.0107	GCVS 2009	V	218	15)
XX Cas	55154.6029	.0014	AG	+0.0162	GCVS 2009	-Ir	45	17)
ZZ Cas	55108.4344	.0014	AG	-0.0056	GCVS 2009	-Ir	48	17)
AE Cas	55060.4764	.0003	AG	+0.0656	GCVS 2009	-Ir	57	17)
	55073.3818	.0003	JU	+0.0660	GCVS 2009	o	46	7)
AQ Cas	55081.3180	.0080	AG	-0.0476	GCVS 2009	-Ir	119	17)
AX Cas	55154.5556	.0010	AG	-0.1003	GCVS 2009	-Ir	45	17)
BH Cas	55029.4444	.0014	AG			-Ir	44	17)
	55096.4225	.0014	AG			-Ir	48	17)
	55096.6184	.0020	AG			-Ir	48	17)
BS Cas	55049.4897	.0002	MS FR	-0.0153	s IBVS 4778	o	540	9)
	55124.3673	.0014	JU	-0.0176	s IBVS 4778	o	85	7)
BU Cas	55154.4159	.0023	AG	-0.0231	GCVS 2009	-Ir	45	17)
BW Cas	55059.5049	.0003	AG	+0.4199	GCVS 2009	-Ir	68	17)
	55155.4815	.0028	SCI	-0.2485	GCVS 2009	o	60	7)
BZ Cas	55059.4279	.0004	AG	+0.2764	GCVS 2009	-Ir	68	17)
CR Cas	55082.3348	.0010	JU	+0.1369	GCVS 2009	o	70	7)
CW Cas	55029.5291	.0001	AG	-0.0409	s GCVS 2009	-Ir	44	17)
DZ Cas	55063.3971	.0016	AG	-0.1762	GCVS 2009	-Ir	30	17)
EG Cas	55049.4661	.0007	AG	+0.1060	s GCVS 2009	-Ir	43	17)
	55063.5305	.0010	AG	+0.1069	s GCVS 2009	-Ir	30	17)
	55067.5070	.0010	AG	+0.1089	GCVS 2009	-Ir	32	17)
	55074.5358	.0006	AG	+0.1060	s GCVS 2009	-Ir	41	17)
EK Cas	55067.1444	.0100	AG	-0.2562	GCVS 2009	-Ir	75	17)
EN Cas	55155.4759	.0017	AG	+0.2721	GCVS 2009	-Ir	48	17)
EP Cas	55049.4897	.0005	AG	-0.0360	GCVS 2009	-Ir	43	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
EP Cas	55067.3854	.0009	AG	-0.0360	GCVS 2009	-Ir	33	17)
ES Cas	55049.5616	.0025	AG	-0.4487	GCVS 2009	-Ir	43	17)
EY Cas	55063.5764	.0013	AG	+0.0344	GCVS 2009	-Ir	30	17)
	55067.4309	.0011	AG	+0.0331	GCVS 2009	-Ir	33	17)
GH Cas	55141.4236	.0007	AG	-0.5770	GCVS 2009	-Ir	65	17)
GK Cas	55075.4062	.0002	MS FR	-0.3265	GCVS 2009	o	660	9)
GU Cas	55067.3473	.0035	AG	-0.3429	GCVS 2009	-Ir	33	17)
IQ Cas	55154.6432	.0028	AG	-0.2418	GCVS 2009	-Ir	64	17)
IR Cas	55039.4456	.0006	AG	+0.0084	s GCVS 2009	-Ir	31	17)
	55141.5477	.0007	AG	+0.0077	s GCVS 2009	-Ir	50	17)
IS Cas	55058.3938	.0006	AG	+0.0658	GCVS 2009	-Ir	50	17)
IT Cas	55125.3986	.0035	PGL	+0.2602	s GCVS 2009	V	171	19)
	55154.4254	.0002	FR	+0.0622	GCVS 2009	-Ir	71	17)
IV Cas	55060.5282	.0001	MS FR	-0.0769	GCVS 2009	o	482	9)
	55157.3840	.0001	WTR	-0.0779	GCVS 2009	-Ir	119	13)
KL Cas	55154.5653	.0038	AG	-0.0188	s GCVS 2009	-Ir	44	17)
LR Cas	55081.5291	.0023	AG	-0.0031	GCVS 2009	-Ir	46	17)
MS Cas	55058.3987	.0015	AG	+0.0395	s GCVS 2009	-Ir	54	17)
	55096.5121	.0016	AG	+0.0390	GCVS 2009	-Ir	48	17)
MT Cas	55067.4622	.0014	AG	+0.0188	s GCVS 2009	-Ir	33	17)
	55074.3675	.0006	AG	+0.0188	s GCVS 2009	-Ir	41	17)
	55074.5247	.0004	AG	+0.0191	GCVS 2009	-Ir	41	17)
MU Cas	55029.4201	.0017	AG	+0.2846	GCVS 2009	-Ir	44	17)
	55058.3791	.0036	AG	+0.2851	s GCVS 2009	-Ir	51	17)
MV Cas	55029.5362	.0005	AG	-0.0910	GCVS 2009	-Ir	44	17)
	55108.5087	.0014	AG	-0.0887	GCVS 2009	-Ir	48	17)
NN Cas	55063.4971	.0052	AG	+0.1253	GCVS 2009	-Ir	30	17)
NT Cas	55155.6232	.0020	SCI	+0.0248	GCVS 2009	o	23	7)
NU Cas	55074.5812	.0009	AG	-0.1423	s GCVS 2009	-Ir	40	17)
	55147.4185	.0031	SCI	-0.1398	s GCVS 2009	o	35	7)
OR Cas	55029.3718	.0013	AG	-0.0224	GCVS 2009	-Ir	43	17)
	55108.4699	.0014	AG	-0.0270	s GCVS 2009	-Ir	48	17)
OX Cas	55125.3390	.0035	PGL	+0.0220	GCVS 2009	V	398	19)
PV Cas	55098.5216	.0013	AG	+0.0005	s GCVS 2009	-Ir	41	17)
	55134.3712	.0007	SIR	-0.0345	GCVS 2009	-Ir	323	11)
	55135.2801	.0010	JU	-0.0009	s GCVS 2009	o	70	7)
QQ Cas	55096.4094	.0019	AG	+0.1121	s BAVR 35,1	-Ir	48	17)
V336 Cas	55096.5187	.0025	AG	-0.0152	s GCVS 2009	-Ir	48	17)
	55108.4691	.0014	AG	-0.0105	s GCVS 2009	-Ir	48	17)
V337 Cas	55063.4174	.0012	AG	-0.0646	GCVS 2009	-Ir	30	17)
V345 Cas	55039.4661	.0005	AG	-0.0176	s GCVS 2009	-Ir	31	17)
	55097.3199	.0011	AG	-0.0196	s GCVS 2009	-Ir	55	17)
	55141.4011	.0021	AG	-0.0189	s GCVS 2009	-Ir	50	17)
V350 Cas	55097.5041	.0002	AG	-0.0443	GCVS 2009	-Ir	55	17)
V355 Cas	55067.3733	.0008	AG	-0.1304	GCVS 2009	-Ir	32	17)
	55076.4035	.0026	AG	-0.1382	GCVS 2009	-Ir	19	17)
	55155.4922	.0005	AG	-0.1316	GCVS 2009	-Ir	45	17)
V357 Cas	55067.5507	.0033	AG	-0.2698	GCVS 2009	-Ir	32	17)
V359 Cas	55072.4352	.0001	MS FR	+0.0005	IBVS 5016	o	414	9)
	55074.3880	.0026	AG	-0.0025	s IBVS 5016	-Ir	41	17)
	55076.3472	.0019	AG	+0.0009	IBVS 5016	-Ir	19	17)
	55098.5146	.0009	AG	+0.0024	IBVS 5016	-Ir	41	17)
V361 Cas	55047.5512	.0001	MS FR	-0.2000	GCVS 2009	o	405	9)
	55063.5278	.0010	AG	-0.2002	GCVS 2009	-Ir	30	17)
V374 Cas	55049.4637	.0004	AG	+0.0175	GCVS 2009	-Ir	43	17)
	55063.5679	.0027	AG	+0.0167	s GCVS 2009	-Ir	30	17)
	55074.5402	.0005	AG	+0.0185	GCVS 2009	-Ir	41	17)
	55155.5159	.0042	AG	+0.0215	s GCVS 2009	-Ir	49	17)
V375 Cas	55108.4494	.0013	AG	+0.2234	s BAVR 32,36	-Ir	48	17)
V384 Cas	55124.5807	.0014	SCI	-0.1482	GCVS 2009	o	61	7)
V396 Cas	55098.6057	.0019	AG	-1.4901	GCVS 2009	-Ir	44	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$		Bibliography	Fil	n	Rem
V423 Cas	55059.4823	.0010	AG	-0.0874	s	GCVS 2009	-Ir	68	17)
V449 Cas	55154.4709	.0022	AG				-Ir	44	17)
V471 Cas	55141.3835	.0007	AG	-0.0248	s	GCVS 2009	-Ir	63	17)
	55141.5843	.0012	AG	+0.0080		GCVS 2009	-Ir	63	17)
V473 Cas	55141.3018	.0008	AG	-0.0188		IBVS 4669	-Ir	65	17)
	55141.5099	.0018	AG	-0.0185	s	IBVS 4669	-Ir	65	17)
V520 Cas	55063.5544	.0017	AG	+0.0016	s	GCVS 2009	-Ir	29	17)
	55067.4756	.0009	AG	+0.0061	s	GCVS 2009	-Ir	31	17)
V546 Cas	55096.5573	.0025	AG	-0.0033		GCVS 2009	-Ir	48	17)
V651 Cas	55098.5733	.0008	AG	+0.0027		IBVS 3554	-Ir	42	17)
	55155.3914	.0003	AG	+0.0027		IBVS 3554	-Ir	48	17)
V654 Cas	55058.3900	.0016	AG				-Ir	52	17)
V776 Cas	55154.3451	.0028	SCI				o	99	7)
U Cep	55067.4176	.0024	FLG	+0.1680		GCVS 2009	V	277	15)
SU Cep	55058.5355	.0022	AG	+0.0090		GCVS 2009	-Ir	50	17)
VW Cep	55053.3838	.0021	PGL	-0.0458		GCVS 2009	V	378	16)
	55068.4114	.0003	FLG	-0.0472		GCVS 2009	V	156	15)
AI Cep	55058.5260	.0020	AG	+0.1669		GCVS 2009	-Ir	52	17)
BE Cep	55097.4971	.0004	AG	-0.1003	s	GCVS 2009	-Ir	55	17)
	55098.5584	.0002	AG	-0.1000		GCVS 2009	-Ir	41	17)
CO Cep	55064.5721	.0005	AG	-0.1884		GCVS 2009	-Ir	51	17)
	55083.3994	.0004	AG	-0.1954	s	GCVS 2009	-Ir	79	17)
DV Cep	55028.4772	.0004	AG	+0.0066		BAVR 50,159	-Ir	44	17)
GS Cep	55051.4333	.0002	AG	-0.0461	s	GCVS 2009	-Ir	39	17)
	55098.5267	.0011	AG	-0.0448	s	GCVS 2009	-Ir	41	17)
GW Cep	55064.4796	.0006	AG	-0.0122	s	BAVR 33,160	-Ir	51	17)
	55083.4513	.0004	AG	-0.0109		BAVR 33,160	-Ir	79	17)
	55103.3781	.0009	AG	-0.0111	s	BAVR 33,160	-Ir	64	17)
LM Cep	55045.4643	.0002	AG	+0.1060		GCVS 2009	-Ir	61	17)
NR Cep	55060.5145	.0005	AG	-0.0489		GCVS 2009	-Ir	57	17)
ZZ Cyg	55075.4530	.0015	AG	-0.0540	s	GCVS 2009	-Ir	38	17)
BO Cyg	54749.383	.010	BKN	-0.781		GCVS 2009	V	147	14)
	54815.2342	.0002	BKN	+0.0890		GCVS 2009	V	79	14)
	55051.4496	.0012	AG	-0.7862		GCVS 2009	-Ir	52	17)
CG Cyg	55068.3322	.0011	FR	+0.0648	s	GCVS 2009	-Ir	25	17)
CV Cyg	55062.4548	.0003	FR	-0.2614		GCVS 2009	-Ir	55	17)
DK Cyg	55050.4319	.0008	JU	+0.0552		BAVR 35,1	o	50	7)
	55058.4350	.0019	SCI	+0.0565		BAVR 35,1	o	160	7)
	55083.3824	.0003	FR	+0.0573		BAVR 35,1	-Ir	69	12)
	55083.6205	.0004	FR	+0.0601	s	BAVR 35,1	-Ir	69	12)
DL Cyg	55081.5687	.0016	AG	+0.1046		GCVS 2009	-Ir	59	17)
	55098.4811	.0073	AG	+0.1106	s	GCVS 2009	-Ir	27	17)
DO Cyg	55125.3208	.0001	AG	-0.0228		GCVS 2009	-Ir	50	17)
DP Cyg	55071.3618	.0017	AG		s		-Ir	42	17)
	55125.3400	.0008	AG		s		-Ir	50	17)
DX Cyg	55073.3759	.0011	SCI	-0.0744		GCVS 2009	o	77	7)
EN Cyg	55068.5177	.0002	AG	+0.4390		GCVS 2009	-Ir	37	17)
GG Cyg	55096.4211	.0005	AG	+0.1373		GCVS 2009	-Ir	54	17)
GM Cyg	55050.5134	.0012	AG	-0.2299		GCVS 2009	-Ir	41	17)
GT Cyg	55083.4792	.0026	AG	-0.0253	s	GCVS 2009	-Ir	41	17)
GV Cyg	55050.5301	.0004	AG	+0.1604	s	GCVS 2009	-Ir	31	17)
	55059.4457	.0004	AG	+0.1599	s	GCVS 2009	-Ir	33	17)
	55062.4175	.0007	AG	+0.1597	s	GCVS 2009	-Ir	32	17)
	55064.3989	.0011	AG	+0.1597	s	GCVS 2009	-Ir	32	17)
	55102.5397	.0017	AG	+0.1594		GCVS 2009	-Ir	58	17)
KR Cyg	55075.4040	.0001	FR	+0.0147		GCVS 2009	-Ir	58	17)
	55096.5329	.0003	AG	+0.0148		GCVS 2009	-Ir	53	17)
LO Cyg	55027.4156	.0002	AG	+0.0066	s	GCVS 2009	-Ir	35	17)
	55032.4491	.0010	AG	+0.0063	s	GCVS 2009	-Ir	49	17)
	55042.5176	.0002	AG	+0.0071	s	GCVS 2009	-Ir	35	17)
	55083.4166	.0005	AG	+0.0060	s	GCVS 2009	-Ir	41	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	File	n	Rem
MR Cyg	55 059.4878	.0009	AG	-0.0009	s GCVS 2009	-Ir	33	17)
PQ Cyg	55 071.4698	.0031	SCI	+0.0291	GCVS 2009	o	32	7)
QS Cyg	55 101.4886	.0020	SCI	-0.0254	GCVS 2009	o	77	7)
QU Cyg	54 922.6161	.0002	MS FR	-0.0711	GCVS 2009	o	570	9)
QW Cyg	55 062.4673	.0008	FR	-0.0726	s GCVS 2009	-Ir	52	17)
V345 Cyg	55 096.5230	.0012	AG	+0.0444	IBVS 5016	-Ir	53	17)
V366 Cyg	55 075.5517	.0053	AG	-0.0050	s GCVS 2009	-Ir	39	17)
	55 124.3251	.0014	SCI	-0.0044	GCVS 2009	o	110	7)
V370 Cyg	54 996.4592	.0021	AG	-0.0214	s GCVS 2009	-Ir	56	17)
V388 Cyg	55 048.4145	.0010	JU	-0.0859	GCVS 2009	o	50	7)
	55 063.4496	.0013	FR	-0.0839	s GCVS 2009	-Ir	40	12)
V401 Cyg	55 103.4137	.0013	AG	+0.0594	GCVS 2009	-Ir	24	17)
V435 Cyg	54 995.5385	.0035	SCI	+0.2128	GCVS 2009	o	39	7)
V442 Cyg	55 063.4046	.0006	FR	-0.0394	s GCVS 2009	-Ir	73	17)
V444 Cyg	55 084.5104	.0034	FR	+0.2233	s GCVS 2009	-Ir	52	17)
V454 Cyg	55 082.4439	.0013	SCI	-0.0078	GCVS 2009	o	126	7)
V456 Cyg	55 050.4922	.0007	AG	+0.0455	GCVS 2009	-Ir	40	17)
V463 Cyg	55 048.4178	.0019	SCI	+0.0562	GCVS 2009	o	218	7)
	55 084.4140	.0003	FR	+0.0538	GCVS 2009	-Ir	39	17)
V466 Cyg	55 076.3902	.0001	AG	+0.0068	GCVS 2009	-Ir	17	17)
V477 Cyg	55 096.4061	.0016	AG	+0.6769	GCVS 2009	-Ir	50	17)
V483 Cyg	55 060.4777	.0017	SCI	+0.0054	GCVS 2009	o	105	7)
V488 Cyg	55 096.4975	.0004	AG	+0.0610	s GCVS 2009	-Ir	50	17)
V490 Cyg	55 096.4362	.0004	AG	+0.1683	GCVS 2009	-Ir	50	17)
V508 Cyg	55 075.5525	.0004	AG	-0.0173	GCVS 2009	-Ir	39	17)
V509 Cyg	55 075.4765	.0025	AG	+0.1984	s GCVS 2009	-Ir	35	17)
V512 Cyg	55 075.5807	.0005	AG	+0.1134	GCVS 2009	-Ir	38	17)
	55 075.5885	.0027	SCI	+0.1212	GCVS 2009	o	157	7)
V519 Cyg	55 075.4786	.0009	AG	-0.2254	s GCVS 2009	-Ir	39	17)
	55 102.4484	.0024	SCI	-0.2242	GCVS 2009	o	115	7)
V526 Cyg	55 059.3864	.0025	SCI	+0.0469	GCVS 2009	o	53	7)
	55 102.5528	.0006	AG	+0.0421	GCVS 2009	-Ir	58	17)
V534 Cyg	55 059.5413	.0002	FR	+0.1807	GCVS 2009	-Ir	62	17)
V536 Cyg	55 084.5057	.0024	SCI	+0.4191	GCVS 2009	o	159	7)
	55 102.5335	.0004	AG	+0.4163	GCVS 2009	-Ir	58	17)
	55 108.5449	.0009	AG	+0.4175	GCVS 2009	-Ir	44	17)
V537 Cyg	55 108.5259	.0025	AG	+0.5373	GCVS 2009	-Ir	44	17)
V541 Cyg	55 066.5740	.0024	AG	+0.0594	GCVS 2009	-Ir	49	17)
V587 Cyg	55 074.5098	.0011	AG	+0.2173	GCVS 2009	-Ir	36	17)
V616 Cyg	55 064.4998	.0005	AG	-0.3182	GCVS 2009	-Ir	31	17)
	55 074.4553	.0012	AG	-0.3126	s GCVS 2009	-Ir	36	17)
	55 102.3088	.0018	AG	+0.3445	GCVS 2009	-Ir	58	17)
V628 Cyg	54 931.5818	.0013	MS FR	+0.0018	IBVS 4381	o	300	9)
	55 050.4679	.0009	AG	-0.0028	IBVS 4381	-Ir	31	17)
V635 Cyg	55 042.4851	.0004	AG	-0.0495	GCVS 2009	-Ir	35	17)
	55 059.5900	.0026	AG	-0.0527	s GCVS 2009	-Ir	33	17)
	55 064.5350	.0008	AG	-0.0501	GCVS 2009	-Ir	32	17)
	55 074.4198	.0005	AG	-0.0500	GCVS 2009	-Ir	36	17)
	55 083.5444	.0004	AG	-0.0497	GCVS 2009	-Ir	41	17)
	55 102.5535	.0005	AG	-0.0496	GCVS 2009	-Ir	58	17)
	55 108.6340	.0017	AG	-0.0520	GCVS 2009	-Ir	44	17)
V661 Cyg	55 083.5388	.0020	AG	+0.0284	GCVS 2009	-Ir	40	17)
V675 Cyg	55 059.5185	.0012	AG	+0.6075	GCVS 2009	-Ir	33	17)
V680 Cyg	55 063.5310	.0005	AG	+0.0192	BAVR 32,36	-Ir	45	17)
V699 Cyg	55 050.4695	.0056	SCI	-0.0825	GCVS 2009	o	66	7)
	55 067.5843	.0031	SCI	-0.0344	GCVS 2009	o	66	7)
V700 Cyg	55 050.4457	.0009	AG	-0.0609	s GCVS 2009	-Ir	41	17)
	55 050.5908	.0009	AG	-0.0858	GCVS 2009	-Ir	41	17)
	55 073.4063	.0004	AG	-0.0534	GCVS 2009	-Ir	48	17)
	55 073.5506	.0007	AG	-0.0791	s GCVS 2009	-Ir	48	17)
V704 Cyg	54 995.4990	.0002	MS FR	+0.0303	GCVS 2009	o	522	9)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$		Bibliography	Fil	n	Rem
V704 Cyg	55074.5432	.0008	AG	+0.0320	s	GCVS 2009	-Ir	36	17)
V705 Cyg	55051.4630	.0008	AG	-0.3000	s	GCVS 2009	-Ir	52	17)
V706 Cyg	55051.4876	.0006	AG	-0.0510		GCVS 2009	-Ir	52	17)
	55062.4443	.0004	AG	-0.0513	s	GCVS 2009	-Ir	88	17)
	55074.3327	.0001	MS FR	-0.0525		GCVS 2009	o	420	9)
V711 Cyg	55050.4503	.0068	AG	-0.0276		GCVS 2009	-Ir	28	17)
	55062.4368	.0003	AG	-0.0290	s	GCVS 2009	-Ir	32	17)
	55064.5082	.0014	AG	-0.0245		GCVS 2009	-Ir	32	17)
	55074.4330	.0050	AG	-0.0208		GCVS 2009	-Ir	34	17)
V726 Cyg	55073.4674	.0002	AG	+0.0418		GCVS 2009	-Ir	49	17)
V728 Cyg	55045.3985	.0002	AG	+0.0539		GCVS 2009	-Ir	61	17)
V749 Cyg	55073.5737	.0013	AG	-0.0394	s	GCVS 2009	-Ir	58	17)
V787 Cyg	55075.3598	.0011	AG	+0.0018		GCVS 2009	-Ir	39	17)
V828 Cyg	55059.4263	.0011	JU	+0.1216	s	GCVS 2009	o	86	7)
V842 Cyg	54937.5723	.0004	MS FR	+0.0299		GCVS 2009	o	540	9)
	55060.4318	.0003	AG	+0.0327		GCVS 2009	-Ir	35	17)
V850 Cyg	55066.5153	.0012	AG	+0.6453		GCVS 2009	-Ir	45	17)
V856 Cyg	55068.4650	.0009	AG	+0.0864		GCVS 2009	-Ir	37	17)
V859 Cyg	55097.3786	.0043	FR	+0.0078		GCVS 2009	-Ir	42	12)
V869 Cyg	55063.4184	.0024	SCI	+0.1229		GCVS 2009	o	34	7)
V873 Cyg	54996.5357	.0023	SCI	+0.0264		GCVS 2009	o	44	7)
V877 Cyg	55068.4991	.0022	AG	+0.0245	s	GCVS 2009	-Ir	36	17)
V880 Cyg	54943.5499	.0001	MS FR	-0.0027		GCVS 2009	o	504	9)
V891 Cyg	55097.2948	.0014	FR	+0.0458		GCVS 2009	-Ir	26	12)
V906 Cyg	55074.4128	.0008	SCI	+0.0605		GCVS 2009	o	56	7)
	55074.5957	.0011	SCI	+0.0608	s	GCVS 2009	o	56	7)
V909 Cyg	55060.4863	.0011	AG	-0.0194	s	BAVR 47.2	-Ir	35	17)
V912 Cyg	55061.4172	.0021	SCI	-0.1107		GCVS 2009	o	70	7)
	55066.4690	.0004	AG	-0.1153		GCVS 2009	-Ir	51	17)
V940 Cyg	55125.3967	.0014	SCI	+0.0509	s	GCVS 2009	o	38	7)
V941 Cyg	55060.3824	.0019	AG	-0.0700		GCVS 2009	-Ir	35	17)
	55103.3897	.0005	AG	-0.0700		GCVS 2009	-Ir	22	17)
V961 Cyg	54996.4601	.0003	AG	-0.0788		GCVS 2009	-Ir	57	17)
V962 Cyg	55060.5454	.0022	AG	-0.1984		GCVS 2009	-Ir	34	17)
V965 Cyg	55084.598	.001	FR	-0.128	s	GCVS 2009	-Ir	60	17)
V1004 Cyg	55096.4691	.0004	AG	-0.1691		GCVS 2009	-Ir	54	17)
V1011 Cyg	55049.5452	.0049	SCI	+0.0371		GCVS 2009	o	123	7)
	55075.4612	.0008	FR	+0.0382		GCVS 2009	-Ir	43	17)
V1013 Cyg	55075.3545	.0002	FR	+0.1541		GCVS 2009	-Ir	87	17)
	55096.4268	.0015	AG	+0.1678	s	GCVS 2009	-Ir	54	17)
V1034 Cyg	55075.3711	.0016	FR	+0.0098	s	GCVS 2009	-Ir	35	17)
	55096.3645	.0005	AG	-0.0008		GCVS 2009	-Ir	53	17)
V1048 Cyg	55073.5378	.0045	AG	+0.0073	s	GCVS 2009	-Ir	58	17)
	55075.3902	.0010	AG	+0.0042		GCVS 2009	-Ir	39	17)
V1061 Cyg	54395.386	.004	BKN	-0.039		GCVS 2009	V	67	14)
V1066 Cyg	55059.5537	.0006	FR	+0.0773		GCVS 2009	-Ir	39	17)
V1073 Cyg	55083.5635	.0005	FR	-0.1262		GCVS 2009	-Ir	68	12)
V1083 Cyg	55041.4207	.0019	AG	-0.0594	s	GCVS 2009	-Ir	41	17)
	55063.3659	.0010	AG	-0.0632		GCVS 2009	-Ir	44	17)
V1136 Cyg	55066.4248	.0003	AG	+0.0832		GCVS 2009	-Ir	50	17)
	55068.4650	.0014	AG	+0.3920	s	GCVS 2009	-Ir	37	17)
V1171 Cyg	55062.4181	.0014	FR	-0.0482	s	GCVS 2009	-Ir	39	12)
	55067.5288	.0006	FR	-0.0550		GCVS 2009	-Ir	48	17)
	55075.5724	.0004	FR	-0.0531	s	GCVS 2009	-Ir	47	17)
	55103.3536	.0020	AG	-0.0522	s	GCVS 2009	-Ir	21	17)
V1188 Cyg	55075.3371	.0014	AG	-0.0178		GCVS 2009	-Ir	39	17)
V1189 Cyg	55073.4151	.0008	AG	-0.0509		GCVS 2009	-Ir	55	17)
V1193 Cyg	55045.4725	.0001	AG	-0.1605	s	GCVS 2009	-Ir	61	17)
V1321 Cyg	55073.4045	.0008	AG	+0.0825		GCVS 2009	-Ir	37	17)
V1326 Cyg	55073.5038	.0020	AG	-0.0012		GCVS 2009	-Ir	58	17)
V1401 Cyg	55050.5331	.0030	AG	+0.2432		GCVS 2009	-Ir	30	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
V1401 Cyg	55062.3636	.0033	AG	+0.2438	GCVS 2009	-Ir	32	17)
	55063.5442	.0008	AG	+0.2414	GCVS 2009	-Ir	46	17)
	55075.3732	.0020	AG	+0.2405	GCVS 2009	-Ir	56	17)
	55102.5767	.0029	AG	+0.2352	GCVS 2009	-Ir	58	17)
	55108.4995	.0023	AG	+0.2430	GCVS 2009	-Ir	44	17)
V1411 Cyg	55064.4099	.0004	AG	-0.1650	s GCVS 2009	-Ir	32	17)
V1414 Cyg	55032.4628	.0011	AG	+0.0459	GCVS 2009	-Ir	51	17)
V1417 Cyg	55049.5022	.0015	AG	+0.1600	GCVS 2009	-Ir	28	17)
	55064.3996	.0002	AG	+0.1585	s GCVS 2009	-Ir	32	17)
V1787 Cyg	55073.5221	.0005	AG			-Ir	55	17)
V2031 Cyg	55084.4838	.0014	FR			-Ir	78	12)
V2181 Cyg	54313.3797	.0020	FR	+0.0067	s BAVR 50,45	-Ir	13	12)
	55096.4729	.0006	AG	+0.0110	BAVR 50,45	-Ir	53	17)
V2239 Cyg	55082.4363	.0029	SCI			o	139	7)
	55098.3113	.0011	SCI			o	157	7)
V2240 Cyg	55050.4386	.0023	AG			-Ir	41	17)
	55082.3769	.0030	SCI			o	66	7)
	55082.5648	.0028	SCI			o	64	7)
	55097.3338	.0014	SCI			o	66	7)
	55097.5243	.0031	SCI			o	61	7)
	55098.3289	.0035	SCI			o	83	7)
	55098.5325	.0038	SCI			o	75	7)
V2247 Cyg	55050.3899	.0011	FR			-Ir	60	17)
V2280 Cyg	55066.4552	.0005	AG			-Ir	44	17)
V2284 Cyg	55066.4613	.0005	AG			-Ir	45	17)
V2364 Cyg	55066.4561	.0006	AG	-0.0105	GCVS 2009	-Ir	44	17)
V2422 Cyg	55067.5873	.0029	SCI	-0.1382	s GCVS 2009	o	95	7)
	55073.4007	.0011	AG	-0.1460	GCVS 2009	-Ir	48	17)
V2456 Cyg	55083.3673	.0004	FR	+0.0811	GCVS 2009	-Ir	42	12)
	55050.5164	.0007	FR	+0.0830	GCVS 2009	-Ir	63	17)
LS Del	55059.4202	.0006	FR	+0.0737	s GCVS 2009	-Ir	125	17)
	55059.6131	.0007	FR	+0.0847	GCVS 2009	-Ir	125	17)
	54972.5267	.0003	AG	+0.0482	GCVS 2009	-Ir	53	17)
BE Dra	55034.4507	.0007	AG	-0.1160	GCVS 2009	-Ir	123	17)
BF Dra	55034.4138	.0004	AG	+0.2373	GCVS 2009	-Ir	123	17)
BS Dra	55028.4844	.0057	AG	-0.0002	GCVS 2009	-Ir	42	17)
GQ Dra	54995.4150	.0010	JU			o	46	7)
KK Dra	54972.5063	.0002	AG			-Ir	53	17)
LZ Dra	55028.5066	.0007	AG			-Ir	42	17)
BT Gem	55192.4721	.0008	MS FR	-0.0091	GCVS 2009	o	500	9)
KV Gem	54910.3465	.0007	ATB	-0.0156	BAVR 52,95	o	104	6)
	54910.3597	.0042	ATB	-0.0024	BAVR 52,95	o	102	6)
	54910.3696	.0014	ATB	+0.0075	BAVR 52,95	o	101	6)
	55058.360	.000	FR	-0.002	s GCVS 2009	-Ir	279	17)
TX Her	55125.3017	.0007	FR	-0.0041	GCVS 2009	-Ir	56	17)
	55096.3967	.0002	FR	-0.0455	GCVS 2009	-Ir	20	52)
AD Her	54999.4611	.0027	SCI	+0.3723	SAC Vol.63	o	92	7)
MM Her	54976.4415	.0010	AG	-0.0011	GCVS 2009	-Ir	38	17)
V342 Her	54516.6832	.0011	MS FR	+0.0102	GCVS 2009	o	396	9)
V643 Her	54976.4996	.0025	AG	-0.3323	s GCVS 2009	-Ir	40	17)
V719 Her	54932.3537	.0003	MS FR	+0.0367	GCVS 2009	o	300	9)
V728 Her	55058.3907	.0003	FR	+0.0643	IBVS 3234	-Ir	65	17)
	55125.3152	.0004	FR	+0.0661	IBVS 3234	-Ir	44	17)
	55049.4928	.0014	FR	+0.0196	IBVS 5496	-Ir	42	17)
V829 Her	54937.313	.000	MS FR	-0.053	BAVR 49,180	o	556	9)
V842 Her	54937.313	.000	MS FR	-0.053	BAVR 49,180	o	556	9)
V1032 Her	55033.5533	.0017	AG			-Ir	27	17)
V1038 Her	55033.4959	.0007	AG			-Ir	31	17)
V1049 Her	55033.414	.005	FR			-Ir	28	12)
V1055 Her	55125.3043	.0004	FR			-Ir	50	17)
V1091 Her	55033.5120	.0036	AG	-0.0104	s GCVS 2009	-Ir	29	17)
V1106 Her	54976.5253	.0004	AG	+0.0072	GCVS 2009	-Ir	38	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
RT Lac	55051.4892	.0026	AG	-0.2185	GCVS 2009	-Ir	52	17)
RW Lac	55141.4447	.0007	AG	-0.0959	s GCVS 2009	-Ir	50	17)
SW Lac	55059.4779	.0009	BRL	+0.0581	s GCVS 2009	o	60	20)
	55071.5035	.0002	FR	+0.0566	GCVS 2009	-Ir	53	17)
	55072.4656	.0035	PGL	+0.0566	GCVS 2009	V	349	16)
	55082.4087	.0001	FR	+0.0573	GCVS 2009	-Ir	80	17)
	55082.5693	.0002	FR	+0.0576	s GCVS 2009	-Ir	80	17)
TW Lac	55175.3214	.0015	JU	+0.3361	GCVS 2009	o	43	7)
UW Lac	55042.5219	.0011	AG	+0.0696	OEJV 0007	-Ir	35	17)
	55095.4238	.0009	AG	+0.0707	OEJV 0007	-Ir	44	17)
VX Lac	55135.2913	.0003	DIE	+0.0747	GCVS 2009	o	22	21)
AR Lac	55051.5824	.0025	FR	-0.0711	GCVS 2009	-Ir	116	17)
AU Lac	55062.5361	.0001	AG	-0.0257	GCVS 2009	-Ir	32	17)
	55071.5882	.0035	AG	-0.0245	s GCVS 2009	-Ir	41	17)
	55108.4856	.0006	AG	-0.0268	GCVS 2009	-Ir	44	17)
AW Lac	55034.5017	.0002	AG	+0.0447	BAVR 35.1	-Ir	76	17)
	55058.5012	.0011	AG	+0.0443	BAVR 35.1	-Ir	51	17)
BB Lac	55049.5467	.0032	AG	-0.5658	GCVS 2009	-Ir	27	17)
BS Lac	55050.4697	.0008	AG	-0.1767	GCVS 2009	-Ir	31	17)
	55050.4704	.0003	MS FR	-0.1760	GCVS 2009	o	585	9)
	55095.4978	.0005	AG	-0.1758	GCVS 2009	-Ir	44	17)
CG Lac	55073.3785	.0002	MS FR	-0.1510	GCVS 2009	o	423	9)
	55141.3876	.0001	AG	-0.1515	GCVS 2009	-Ir	51	17)
CM Lac	55051.4490	.0005	FR	-0.0034	s GCVS 2009	-Ir	51	17)
CN Lac	55042.5444	.0018	AG	-0.0519	s GCVS 2009	-Ir	35	17)
	55045.4115	.0002	MS FR	-0.0530	GCVS 2009	o	265	9)
	55050.5103	.0004	AG	-0.0532	GCVS 2009	-Ir	31	17)
	55059.4340	.0007	AG	-0.0528	GCVS 2009	-Ir	33	17)
	55071.5441	.0009	AG	-0.0528	GCVS 2009	-Ir	42	17)
	55081.4196	.0015	AG	-0.0566	s GCVS 2009	-Ir	54	17)
	55083.3342	.0018	AG	-0.0541	s GCVS 2009	-Ir	41	17)
	55095.4499	.0013	AG	-0.0485	s GCVS 2009	-Ir	44	17)
	55108.5128	.0010	AG	-0.0518	GCVS 2009	-Ir	44	17)
CO Lac	55147.2919	.0007	SIR	-0.0062	GCVS 2009	-Ir	162	11)
DG Lac	55067.4328	.0003	JU	-0.2194	GCVS 2009	o	75	7)
EK Lac	55041.5406	.0003	AG	-0.0032	GCVS 2009	-Ir	41	17)
	55075.3616	.0004	AG	-0.0032	GCVS 2009	-Ir	56	17)
EL Lac	55041.3850	.0013	AG	+0.1280	GCVS 2009	-Ir	41	17)
EM Lac	55051.5063	.0002	AG	+0.0766	GCVS 2009	-Ir	39	17)
	55068.4329	.0009	AG	+0.0759	s GCVS 2009	-Ir	45	17)
EP Lac	55034.4696	.0003	AG	-0.3741	GCVS 2009	-Ir	76	17)
	55071.4749	.0005	AG	-0.3737	GCVS 2009	-Ir	41	17)
EQ Lac	55095.5696	.0008	AG	+0.0183	GCVS 2009	-Ir	44	17)
	55108.5864	.0003	AG	+0.0169	GCVS 2009	-Ir	44	17)
ER Lac	55033.4942	.0006	AG	-0.5128	GCVS 2009	-Ir	29	17)
ES Lac	55034.4866	.0005	AG	+0.1262	GCVS 2009	-Ir	76	17)
	55068.4649	.0024	AG	+0.6594	s GCVS 2009	-Ir	45	17)
EX Lac	55039.4548	.0016	AG	+0.2285	s GCVS 2009	-Ir	31	17)
EY Lac	55033.5400	.0006	AG	-0.4109	s GCVS 2009	-Ir	32	17)
FL Lac	55051.3887	.0011	AG	-0.0560	GCVS 2009	-Ir	39	17)
GX Lac	55097.3028	.0011	AG	-0.0385	GCVS 2009	-Ir	68	17)
HX Lac	55041.5187	.0003	MS FR	+0.0089	s GCVS 2009	o	846	9)
IL Lac	55071.3655	.0019	AG			-Ir	40	17)
	55075.5408	.0013	AG			-Ir	56	17)
	55108.3479	.0021	AG			-Ir	44	17)
IM Lac	55075.4351	.0003	AG	-0.1825	GCVS 2009	-Ir	56	17)
	55108.4117	.0008	AG	-0.1830	GCVS 2009	-Ir	44	17)
IP Lac	55071.5537	.0006	AG	+0.0793	GCVS 2009	-Ir	42	17)
IU Lac	55058.4830	.0004	AG	+0.0133	GCVS 2009	-Ir	57	17)
	55062.3594	.0029	AG	+0.0134	GCVS 2009	-Ir	32	17)
IZ Lac	55050.4316	.0008	AG	+0.0109	s GCVS 2009	-Ir	30	17)



Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
IZ Lac	55058.4206	.0005	AG	+0.0111	s	GCVS 2009	-Ir	54 (17)
	55062.4149	.0011	AG	+0.0110	s	GCVS 2009	-Ir	32 (17)
	55141.5086	.0007	FR	+0.0158	s	GCVS 2009	-Ir	67 (17)
KS Lac	55033.4633	.0011	AG	+0.1781		GCVS 2009	-Ir	30 (17)
	55049.4859	.0023	AG	+0.1755		GCVS 2009	-Ir	28 (17)
	55051.4876	.0030	AG	+0.1740	s	GCVS 2009	-Ir	39 (17)
LU Lac	55049.4047	.0002	MS FR	+0.0313		GCVS 2009	o	378 (9)
LY Lac	55049.4457	.0008	AG	+0.2307		GCVS 2009	-Ir	28 (17)
	55097.3457	.0013	AG	+0.2309		GCVS 2009	-Ir	55 (17)
LZ Lac	55051.4639	.0012	AG	+0.3196		GCVS 2009	-Ir	39 (17)
MZ Lac	55034.5202	.0001	AG	+0.1585		GCVS 2009	-Ir	76 (17)
NR Lac	55041.5382	.0022	AG	+0.0696	s	GCVS 2009	-Ir	40 (17)
	55042.4432	.0007	AG	+0.0674		GCVS 2009	-Ir	35 (17)
	55049.4007	.0027	AG	+0.0697	s	GCVS 2009	-Ir	28 (17)
NS Lac	55067.4115	.0002	MS FR	-0.2240		GCVS 2009	o	513 (9)
OO Lac	55051.5297	.0011	AG	+0.1500		GCVS 2009	-Ir	39 (17)
OS Lac	55033.5039	.0010	AG	+0.3229	s	GCVS 2009	-Ir	33 (17)
	55049.3905	.0030	AG	+0.3215	s	GCVS 2009	-Ir	28 (17)
	55075.3886	.0010	AG	+0.3211	s	GCVS 2009	-Ir	56 (17)
PP Lac	55068.4485	.0008	AG	-0.0526		GCVS 2009	-Ir	45 (17)
V342 Lac	55050.3793	.0012	AG	-0.0947		GCVS 2009	-Ir	30 (17)
	55051.4265	.0007	FR	-0.0984	s	GCVS 2009	-Ir	49 (17)
	55058.4317	.0004	AG	-0.0989	s	GCVS 2009	-Ir	54 (17)
	55125.3425	.0006	AG	-0.0933		GCVS 2009	-Ir	50 (17)
	55141.4546	.0003	FR	-0.0945		GCVS 2009	-Ir	72 (17)
V344 Lac	55033.4456	.0026	AG	+0.0911		GCVS 2009	-Ir	32 (17)
	55051.4876	.0003	FR	+0.0907		GCVS 2009	-Ir	56 (17)
	55062.4707	.0005	AG	+0.0914		GCVS 2009	-Ir	32 (17)
V345 Lac	55141.3114	.0009	FR	-0.1018	s	GCVS 2009	-Ir	72 (17)
	55141.5065	.0003	FR	+0.0933	s	GCVS 2009	-Ir	72 (17)
	55051.3743	.0008	AG	+0.1687	s	GCVS 2009	-Ir	39 (17)
V364 Lac	55071.4412	.0004	FR	-0.0109		BAVR 47,33	-Ir	50 (17)
	55082.5585	.0006	FR	+0.0790	s	BAVR 47,33	-Ir	47 (17)
V401 Lac	55041.5060	.0041	AG				-Ir	41 (17)
	55042.4909	.0012	AG				-Ir	34 (17)
V402 Lac	55051.5025	.0004	FR				-Ir	71 (17)
V441 Lac	55058.5237	.0012	AG	+0.0584		IBVS 5024	-Ir	57 (17)
	55062.3821	.0011	AG	+0.0556	s	IBVS 5024	-Ir	32 (17)
	55062.5379	.0010	AG	+0.0569		IBVS 5024	-Ir	32 (17)
UZ Lyr	55075.3757	.0003	JU	-0.0275		GCVS 2009	o	60 (7)
AA Lyr	55074.4975	.0010	FR	+0.1535	s	GCVS 2009	-Ir	54 (17)
BV Lyr	55068.4881	.0028	AG	+0.0303	s	GCVS 2009	-Ir	36 (17)
FH Lyr	54932.5299	.0003	MS FR	+0.0247		GCVS 2009	o	765 (9)
PS Lyr	55060.4250	.0010	JU	+0.0118		GCVS 2009	o	50 (7)
	55076.3420	.0026	AG	+0.0120		GCVS 2009	-Ir	17 (17)
	55097.3207	.0003	FR	+0.0095	s	GCVS 2009	-Ir	100 (17)
QU Lyr	55092.3996	.0007	MZ	-0.0021	s	GCVS 2009	-Ir	114 (7)
	55130.3186	.0010	MZ	+0.0028	s	GCVS 2009	-Ir	98 (7)
V412 Lyr	55074.5381	.0005	FR	+0.1982		GCVS 2009	-Ir	53 (17)
V579 Lyr	54996.4256	.0004	JU				o	62 (7)
V580 Lyr	55063.3997	.0004	JU				o	51 (7)
	55087.3935	.0008	JU				o	54 (7)
V423 Oph	55029.5126	.0006	AG	+0.0424		GCVS 2009	-Ir	51 (17)
V509 Oph	55045.4768	.0005	AG	+0.0562		GCVS 2009	-Ir	42 (17)
V577 Oph	55041.5209	.0010	AG	-0.0087		GCVS 2009	-Ir	55 (17)
V969 Oph	55045.4115	.0004	AG	+0.0179	s	GCVS 2009	-Ir	45 (17)
V2612 Oph	55041.5208	.0008	AG	+0.0824	s	GCVS 2009	-Ir	55 (17)
VV Ori	55175.3728	.0011	FR	-0.0271		GCVS 2009	-Ir	121 (12)
GG Ori	52655.4238	.0005	FR	+0.0830		GCVS 2009	-Ir	62 (12) 1)
	55175.3830	.0005	FR	+0.0836		GCVS 2009	-Ir	53 (17)
V1353 Ori	55175.4493	.0006	FR				-Ir	70 (17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
U Peg	54839.2897	.0035	ATB	-0.0162	s BAVR 45,3	o	42	6)
	55059.4707	.0021	PGL	-0.0170	BAVR 45,3	V	371	16)
	55063.4060	.0007	FLG	-0.0169	s BAVR 45,3	V	106	15)
AT Peg	55093.3274	.0035	PGL	+0.0231	GCVS 2009	V	482	16)
	55141.4661	.0004	FR	+0.0265	GCVS 2009	-Ir	79	12)
	54829.3925	.0007	BKN	+0.0073	GCVS 2009	V	233	14)
BY Peg	55060.4037	.0002	MS FR	-0.0265	GCVS 2009	o	385	9)
CE Peg	55048.4709	.0003	MS FR	+0.1473	s GCVS 2009	o	720	9) 1)
CU Peg	55155.2625	.0031	SCI	+0.0152	GCVS 2009	o	41	7)
	55155.2625	.0031	SCI	+0.0152	GCVS 2009	o	41	7)
	55083.4191	.0007	FR	+0.1075	GCVS 2009	-Ir	32	17)
DF Peg	55064.3920	.0014	PGL	-0.0123	GCVS 2009	V	553	16)
	55064.3929	.0001	FLG	-0.0114	GCVS 2009	V	89	15)
	55154.4139	.0012	FR	+0.0383	s GCVS 2009	-Ir	27	12)
GH Peg	55084.3655	.0007	SIR	+0.0061	GCVS 2009	-Ir	268	11)
LS Peg	55068.4350	.0005	FR			-Ir	353	17)
	55068.6083	.0005	FR			-Ir	353	17)
	55155.3272	.0011	FR	+0.1557	s GCVS 2009	-Ir	23	12)
BP Per	55073.5374	.0004	MS FR	-0.0269	s GCVS 2009	o	252	9)
FW Per	55074.5233	.0002	MS FR	-0.0305	GCVS 2009	o	675	9)
	55066.5850	.0003	MS FR	-0.0530	GCVS 2009	o	476	9)
	55141.5318	.0004	AG			-Ir	65	17)
IK Per	55155.4131	.0002	MS FR	-0.1760	GCVS 2009	o	590	9)
KN Per	55048.5498	.0004	MS FR	+0.0067	BAVR 52,93	o	486	9)
	55155.5636	.0011	AG	+0.0121	s BAVR 52,93	-Ir	54	17)
	55058.5473	.0004	MS FR	+0.1883	GCVS 2009	o	500	9)
QU Per	55155.6128	.0010	AG	-0.0048	GCVS 2009	-Ir	54	17)
V337 Per	55155.4929	.0004	AG	-0.0404	GCVS 2009	-Ir	54	17)
V427 Per	55155.4856	.0005	AG	+0.0140	GCVS 2009	-Ir	54	17)
V432 Per	55155.4190	.0005	AG	-0.0215	s IBVS 3797	-Ir	54	17)
	55155.6122	.0011	AG	-0.0200	IBVS 3797	-Ir	54	17)
	55155.4906	.0026	AG	+0.0483	s GCVS 2009	-Ir	50	17)
V450 Per	55075.6073	.0002	MS FR	+0.0997	GCVS 2009	o	477	9)
	55155.2975	.0007	AG	+0.1019	GCVS 2009	-Ir	54	17)
	54697.5417	.0012	FR	-0.0020	s GCVS 2009	-Ir	43	12) 1)
V Sge	55042.3649	.0012	FR	-0.0020	s GCVS 2009	-Ir	43	12) 1)
	55028.4893	.0009	AG	-0.0596	GCVS 2009	-Ir	34	17)
	55097.3965	.0019	AG	-0.0546	GCVS 2009	-Ir	67	17)
UZ Sge	55032.4024	.0001	AG	+0.0716	GCVS 2009	-Ir	44	17)
BR Sge	55097.4465	.0008	AG	-0.5564	GCVS 2009	-Ir	67	17)
CK Sge	55032.4838	.0054	AG	-0.0386	GCVS 2009	-Ir	36	17)
CW Sge	55028.4412	.0011	AG	+0.0285	GCVS 2009	-Ir	33	17)
DE Sge	55042.4051	.0011	AG	-0.4060	GCVS 2009	-Ir	42	17)
DK Sge	55028.5049	.0004	AG	-0.1544	GCVS 2009	-Ir	35	17)
	55042.4928	.0005	AG	+0.1535	GCVS 2009	-Ir	42	17)
	55067.3653	.0015	AG	+0.1532	GCVS 2009	-Ir	24	17)
DM Sge	55045.4258	.0005	JU	+0.0110	GCVS 2009	o	60	7)
FF Sge	55042.4384	.0011	AG	+0.0358	s GCVS 2009	-Ir	42	17)
FL Sge	55067.5008	.0182	AG	+0.1159	GCVS 2009	-Ir	23	17)
GN Sge	55042.4657	.0011	AG	+0.0033	s GCVS 2009	-Ir	42	17)
GO Sge	55028.5327	.0009	AG	-0.0705	s GCVS 2009	-Ir	35	17)
V365 Sge	55028.4226	.0004	AG	-0.0435	GCVS 2009	-Ir	32	17)
	55067.3656	.0014	AG	-0.0439	s GCVS 2009	-Ir	23	17)
	55071.3962	.0001	FLG	-0.0756	GCVS 2009	V	148	15)
RS UMi	55095.4970	.0015	AG	+0.1516	GCVS 2009	-Ir	152	17)
TV UMi	55095.4628	.0047	AG			-Ir	38	17)
RS Vul	55064.5034	.0003	FR	-0.0158	s GCVS 2009	-Ir	25	17)
AB Vul	55060.4105	.0006	AG	-0.0310	GCVS 2009	-Ir	34	17)
AW Vul	55039.4813	.0001	FR	-0.0138	GCVS 2009	-Ir	73	17)
	55041.5014	.0012	FR	-0.0098	s GCVS 2009	-Ir	37	17)
	55096.4375	.0002	AG	+0.0717	GCVS 2009	-Ir	50	17)

Table 1: (cont.)

Variable	HJD 24.....	±	Obs	$O - C$	Bibliography	Fil	n	Rem
BG Vul	55071.3537	.0006	AG	+0.0724		GCVS 2009	-Ir	52 (17)
	55071.5551	.0004	AG	+0.0722	s	GCVS 2009	-Ir	52 (17)
BS Vul	55071.3633	.0010	JU	-0.0234		GCVS 2009	o	30 (7)
DR Vul	55039.4559	.0003	FR	+0.1272		GCVS 2009	-Ir	48 (17)
	55083.4373	.0010	JU	+0.2167	s	GCVS 2009	o	68 (7)
FM Vul	55060.5407	.0009	AG	+0.0285		GCVS 2009	-Ir	35 (17)
	55068.3873	.0006	AG	+0.0287		GCVS 2009	-Ir	36 (17)
FO Vul	55060.4985	.0032	AG	-0.1275		GCVS 2009	-Ir	35 (17)
FR Vul	55066.5274	.0004	AG	-0.0065		GCVS 2009	-Ir	48 (17)
	55068.4100	.0012	AG	-0.0076		GCVS 2009	-Ir	36 (17)
GP Vul	54996.4388	.0004	AG	-0.0609		GCVS 2009	-Ir	42 (17)
GR Vul	55068.4968	.0011	AG	-0.0345		GCVS 2009	-Ir	37 (17)
GV Vul	54996.4857	.0003	MS FR	+0.0685		GCVS 2009	o	630 (9)
V403 Vul	55059.5176	.0011	FR				-Ir	83 (17)
V467 Vul	55071.3523	.0013	AG	-0.0248	s	GCVS 2009	-Ir	53 (17)
	55071.5622	.0007	AG	-0.0286		GCVS 2009	-Ir	53 (17)
GSC 00238-00793	52338.3977	.0012	AG	+0.0015		PZP 10.4	o	24 (6)
	52338.5566	.0007	AG	-0.0005	s	PZP 10.4	o	24 (6)
	52344.3450	.0008	AG	-0.0020	s	PZP 10.4	o	31 (6)
	52344.5069	.0009	AG	-0.0009		PZP 10.4	o	31 (6)
	52345.3179	.0018	AG	+0.0059	s	PZP 10.4	V	31 (6)
	52345.4718	.0015	AG	-0.0010		PZP 10.4	B+V	65 (6)
	52347.4022	.0012	AG	-0.0006		PZP 10.4	o	61 (6)
	52371.3733	.0010	AG	+0.0067	s	PZP 10.4	o	74 (6)
	52696.4064	.0005	AG	+0.0004		PZP 10.4	o	183 (6)
	54136.4845	.0009	AG	-0.0023		PZP 10.4	-Ir	55 (6)
	54171.3920	.0019	AG	+0.0049	s	PZP 10.4	-Ir	59 (6)
	54171.5437	.0036	AG	-0.0043		PZP 10.4	-Ir	59 (6)
	54173.3208	.0020	AG	+0.0037	s	PZP 10.4	-Ir	29 (6)
	54173.4805	.0026	AG	+0.0026		PZP 10.4	-Ir	29 (6)
	54506.3938	.0010	AG	-0.0043		PZP 10.4	-Ir	70 (6)
54506.5609	.0022	AG	+0.0020	s	PZP 10.4	-Ir	70 (6)	
GSC 00434-03766	55029.5113	.0017	AG				-Ir	51 (17)
	55045.4855	.0012	AG				-Ir	42 (17)
GSC 0113-400160	55068.3614	.0007	FR				-Ir	73 (17)
	55068.5360	.0007	FR				-Ir	73 (17)
	55083.3827	.0003	FR				-Ir	66 (17)
GSC 01134-00352	55083.5560	.0006	FR				-Ir	66 (17)
	55068.4426	.0003	FR				-Ir	40 (17)
GSC 01330-00293	55083.3845	.0004	FR				-Ir	45 (17)
	52690.3790	.0013	AG	+0.0004		BAVR 57.232	-Ir	39 (6)
GSC 02149-00720	52691.3015	.0021	AG	-0.0013		BAVR 57.232	-Ir	34 (6)
	52692.4621	.0033	AG	+0.0040	s	BAVR 57.232	-Ir	43 (6)
	52721.3403	.0015	AG	+0.0002		BAVR 57.232	o	19 (6)
	53028.4182	.0016	AG	+0.0051	s	BAVR 57.232	-Ir	29 (6)
	53055.4549	.0009	AG	+0.0083		BAVR 57.232	-Ir	40 (6)
	53410.3457	.0013	AG	-0.0025		BAVR 57.232	-Ir	57 (6)
	54505.3276	.0040	QU	+0.0064	s	BAVR 57.232	V	76 (8)
	54507.3974	.0010	QU	-0.0033		BAVR 57.232	V	84 (8)
	54509.4793	.0020	QU	-0.0009	s	BAVR 57.232	V	96 (8)
	54515.4886	.0020	QU	+0.0010	s	BAVR 57.232	V	75 (8)
	54516.4142	.0020	QU	+0.0023	s	BAVR 57.232	V	90 (8)
	54520.3369	.0015	QU	-0.0029		BAVR 57.232	V	75 (8)
	54531.4262	.0010	QU	-0.0043		BAVR 57.232	B	70 (8)
	54809.6201	.0020	AG	-0.0015		BAVR 57.232	-Ir	52 (17)
	54843.3513	.0008	AG	-0.0044		BAVR 57.232	-Ir	56 (17)
54843.5860	.0029	AG	-0.0008	s	BAVR 57.232	-Ir	56 (17)	
54856.5263	.0014	AG	+0.0004	s	BAVR 57.232	-Ir	57 (17)	
GSC 01643-01880	54682.5753	.0005	AG				-Ir	46 (17)
	55067.3648	.0019	AG				-Ir	24 (17)
GSC 02149-00720	54697.4274	.0008	AG				-Ir	38 (17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem	
GSC 02161-01310	55039.5590	.0010	FR			-Ir	113	17)	
	55041.4276	.0014	FR			-Ir	56	17)	
	55063.4519	.0005	FR			-Ir	61	17)	
GSC 02537-00520	54924.5164	.0016	AG			-Ir	38	17)	
GSC 02569-00553	52721.5577	.0015	AG	-0.0021	s PZP 10.4	o	29	6)	
	52722.4429	.0025	AG	-0.0036	s PZP 10.4	o	42	6)	
	52722.5925	.0018	AG	-0.0018	PZP 10.4	o	42	6)	
	52723.4834	.0017	AG	+0.0024	PZP 10.4	o	41	6)	
	52724.3594	.0100	AG	-0.0083	PZP 10.4	o	16	6)	
	52725.3976	.0017	AG	-0.0046	s PZP 10.4	o	37	6)	
	52725.5564	.0042	AG	+0.0064	PZP 10.4	o	37	6)	
	52726.4395	.0044	AG	+0.0028	PZP 10.4	o	29	6)	
	52726.5862	.0021	AG	+0.0017	s PZP 10.4	o	29	6)	
	52730.4248	.0018	AG	-0.0021	s PZP 10.4	o	36	6)	
	52730.5744	.0040	AG	-0.0003	PZP 10.4	o	36	6)	
	52743.4312	.0027	AG	-0.0008	s PZP 10.4	o	54	6)	
	52747.4302	.0016	AG	+0.0080	PZP 10.4	o	48	6)	
	52764.4143	.0010	AG	-0.0033	s PZP 10.4	o	37	6)	
	52784.5163	.0023	AG	-0.0001	s PZP 10.4	o	38	6)	
	52827.5248	.0020	AG	+0.0028	PZP 10.4	o	33	6)	
	52834.4706	.0072	AG	+0.0027	s PZP 10.4	o	26	6)	
	53097.3810	.0016	AG	+0.0027	PZP 10.4	o	43	6)	
	53097.5256	.0030	AG	-0.0005	s PZP 10.4	o	43	6)	
	53110.3840	.0030	AG	+0.0006	PZP 10.4	o	22	6)	
	53145.4166	.0034	AG	+0.0080	s PZP 10.4	o	24	6)	
	53151.4671	.0019	AG	-0.0007	PZP 10.4	o	39	6)	
	53475.4126	.0034	AG	-0.0010	PZP 10.4	-Ir	32	6)	
	53475.5592	.0018	AG	-0.0022	s PZP 10.4	-Ir	32	6)	
	GSC 02656-04286	55084.5602	.0009	FR	-0.0037	s IBVS 5900 No.4	-Ir	30	17)
	GSC 02673-02495	53659.3408	.0030	AG	+0.0000	PZP 10.4	-Ir	30	6)
GSC 02677-00988	55067.3630	.0010	FR			-Ir	48	17)	
	55075.4953	.0018	FR			-Ir	30	17)	
GSC 02712-02018	55083.4194	.0010	FR			-Ir	66	12)	
GSC 02712-02166	55083.2952	.0068	FR			-Ir	60	52)	
	55083.5097	.0015	FR			-Ir	60	12)	
GSC 03137-00126	55062.5665	.0005	FR			-Ir	96	17)	
GSC 03575-03593	55075.3760	.0028	AG	+0.0022	s IBVS 5700 No.74	-Ir	39	17)	
GSC 03575-06239	52859.4347	.0002	AG	-0.0003	PZP 10.4	-Ir	30	6)	
	52886.4693	.0001	AG	+0.0011	PZP 10.4	o	26	6)	
	55074.4202	.0024	AG	-0.0076	s PZP 10.4	-Ir	36	17)	
GSC 03576-00170	55075.4466	.0008	AG	-0.0444	s IBVS 5724	-Ir	38	17)	
GSC 03612-00014	54031.3224	.0046	AG	-0.0030	PZP 10.4	-Ir	12	6)	
	55063.3704	.0014	AG	+0.0034	PZP 10.4	-Ir	46	17)	
GSC 03618-00162	52617.3227	.0050	AG	+0.0019	PZP 10.4	-Ir	12	6)	
	52855.4901	.0001	AG	-0.0073	s PZP 10.4	-Ir	19	6)	
	53226.4132	.0001	AG	-0.0090	s PZP 10.4	-Ir	18	6)	
	53226.5372	.0009	AG	-0.0054	PZP 10.4	-Ir	18	6)	
	53233.5207	.0014	AG	-0.0023	PZP 10.4	-Ir	18	6)	
	53242.4353	.0058	AG	+0.0062	PZP 10.4	-Ir	15	6)	
	55062.3945	.0007	AG	+0.0025	PZP 10.4	-Ir	32	17)	
	55062.5134	.0013	AG	+0.0010	s PZP 10.4	-Ir	32	17)	
	GSC 03618-00448	52621.2669	.0010	AG	+0.0136	s PZP 10.4	-Ir	20	6)
		52855.5415	.0003	AG	-0.0115	PZP 10.4	-Ir	19	6)
53233.5060		.0009	AG	+0.0035	s PZP 10.4	-Ir	18	6)	
53242.4638		.0057	AG	-0.0168	PZP 10.4	-Ir	15	6)	
53284.4781		.0004	AG	+0.0031	s PZP 10.4	-Ir	22	6)	
53653.4550		.0036	AG	+0.0085	s PZP 10.4	-Ir	30	6)	
54712.5701		.0030	AG	-0.0039	PZP 10.4	-Ir	22	17)	
54738.3559		.0034	AG	+0.0060	s PZP 10.4	-Ir	67	17)	
54798.2931	.0011	AG	-0.0074	PZP 10.4	-Ir	75	17)		
	55062.4201	.0013	AG	-0.0106	PZP 10.4	-Ir	32	17)	

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$		Bibliography	Fil	n	Rem
GSC 03618-00448	55098.6275	.0018	AG	-0.0053	s	PZP 10.4	-Ir	29	17)
	55125.2893	.0032	AG	+0.0118	s	PZP 10.4	-Ir	50	17)
	55141.5031	.0016	FR	+0.0071	s	PZP 10.4	-Ir	50	17)
GSC 03619-00047	53256.5804	.0010	AG	-0.0106		PZP 10.4	-Ir	21	6)
	54035.3425	.0016	AG	+0.0053		PZP 10.4	-Ir	35	6)
	54035.5994	.0046	AG	+0.0198	s	PZP 10.4	-Ir	35	6)
	54080.4337	.0020	AG	+0.0010		PZP 10.4	-Ir	46	6)
	55033.4988	.0032	AG	-0.0009	s	PZP 10.4	-Ir	29	17)
	55051.4442	.0008	FR	+0.0033	s	PZP 10.4	-Ir	56	17)
	55098.4750	.0064	AG	-0.0011	s	PZP 10.4	-Ir	27	17)
	55108.4148	.0021	AG	-0.0017		PZP 10.4	-Ir	44	17)
	55141.3861	.0012	FR	-0.0034		PZP 10.4	-Ir	79	17)
	55141.4089	.0013	AG	+0.0189		IBVS 5700 No.67	-Ir	65	17)
GSC 03679-02129	55141.5589	.0010	AG	+0.0203	s	IBVS 5700 No.67	-Ir	65	17)
	54815.3248	.0024	AG				-Ir	60	17)
GSC 03688-01184	54815.5227	.0023	AG				-Ir	60	17)
	54829.3199	.0024	AG				-Ir	49	17)
	54829.3199	.0024	AG				-Ir	49	17)
	54829.5127	.0028	AG				-Ir	49	17)
	54829.5127	.0028	AG				-Ir	49	17)
	53636.4490	.0004	AG	+0.0054	s	PZP 10.4	-Ir	24	6)
	53654.4093	.0022	AG	-0.0013	s	PZP 10.4	-Ir	50	6)
	53654.5956	.0009	AG	+0.0053		PZP 10.4	-Ir	50	6)
	53659.4416	.0020	AG	+0.0002	s	PZP 10.4	-Ir	37	6)
	54026.3262	.0038	AG	-0.0024	s	PZP 10.4	-Ir	23	6)
GSC 04009-00670	54056.3335	.0029	AG	+0.0000		PZP 10.4	-Ir	21	6)
	54115.4343	.0022	AG	-0.0108	s	PZP 10.4	-Ir	49	6)
	54815.4372	.0012	AG	-0.0042	s	PZP 10.4	-Ir	59	17)
	54829.2774	.0020	AG	+0.0014		PZP 10.4	-Ir	48	17)
	54829.4567	.0012	AG	+0.0010	s	PZP 10.4	-Ir	48	17)
	55141.3685	.0030	AG	+0.0048	s	PZP 10.4	-Ir	63	17)
	55141.5462	.0025	AG	+0.0028		PZP 10.4	-Ir	63	17)
	53349.2934	.0042	AG	-0.0045	s	PZP 10.4	-Ir	23	6)
	53656.4158	.0049	AG	+0.0051		PZP 10.4	-Ir	30	6)
	GSC 04030-02020	55081.3444	.0010	AG				-Ir	46
55081.4805		.0010	AG				-Ir	46	17)
55081.6183		.0028	AG				-Ir	46	17)
55154.3459		.0021	AG				-Ir	45	17)
55154.4840		.0006	AG				-Ir	45	17)
55154.6182		.0022	AG				-Ir	45	17)
GSC 04285-00122	53768.3875	.0002	AG	+0.0029		PZP 10.4	-Ir	22	6)
	54003.4629	.0017	AG	-0.0008	s	PZP 10.4	-Ir	63	6)
	54035.3089	.0031	AG	+0.0018	s	PZP 10.4	-Ir	45	6)
	54035.4900	.0018	AG	-0.0044		PZP 10.4	-Ir	45	6)
	54085.5048	.0023	AG	-0.0024	s	PZP 10.4	-Ir	30	6)
	5421.8.5056	.0012	AG	+0.0055	s	PZP 10.4	-Ir	41	6)
	5471.8.4394	.0013	AG	-0.0018		PZP 10.4	-Ir	63	17)
	54840.3874	.0026	AG	+0.0048	s	PZP 10.4	-Ir	66	17)
	54840.5703	.0050	AG	+0.0004		PZP 10.4	-Ir	66	17)
	GSC 04497-00283	55064.5253	.0014	AG				-Ir	51
55083.4777		.0004	AG				-Ir	79	17)
55103.3541		.0015	AG				-Ir	67	17)
GSC 04502-00138	54080.2646	.0005	AG	-0.0848		IBVS 5700 No.8	-Ir	45	6)
	54080.4572	.0009	AG	-0.0887	s	IBVS 5700 No.8	-Ir	45	6)
	54080.6555	.0012	AG	-0.0868		IBVS 5700 No.8	-Ir	45	6)
	55064.4471	.0008	AG	-0.1168		IBVS 5700 No.8	-Ir	51	17)
	55103.3507	.0010	AG	-0.1103		IBVS 5700 No.8	-Ir	64	17)
GSC 04502-01040	54080.3860	.0028	AG	+0.0496	s	IBVS 5700 No.60	-Ir	45	6)
	54080.5158	.0007	AG	+0.0442		IBVS 5700 No.60	-Ir	45	6)
	54080.6565	.0008	AG	+0.0497	s	IBVS 5700 No.60	-Ir	45	6)
	55064.4131	.0007	AG	+0.0329	s	IBVS 5700 No.60	-Ir	51	17)

Table 1: (cont.)

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
GSC 04502-01040	55064.5544	.0017	AG	+0.0390	IBVS 5700 No.60	-Ir	51	17)
GSC 04816-02749	54507.4583	.0015	AG			-Ir	24	6)
TYC 4015-0998	55096.6179	.0182	AG			-Ir	48	17)

Table 2: Times of maxima of pulsating stars

Variable	HJD 24.....	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
OV And	55063.3839	.0035	PGL	-0.0240	MVS 11,133	V	242	16)
AA Aql	55071.4592	.0030	ALH	+0.0042	BAVM 78	V	190	10)
V 341 Aql	55041.6020	.0100	FR	+0.0055	BAVR 45,74	-Ir	56	12)
	55062.4116	.0011	FLG	+0.0064	BAVR 45,74	V	227	15)
V 525 Aql	55066.4590	.0060	SB	+0.1361	GCVS 2009	V	76	15) 1)
V 672 Aql	55067.3939	.0006	MZ	-0.2628	GCVS 2009	-Ir	102	7)
TZ Aur	55123.3915	.0021	PGL	+0.0110	GCVS 2009	V	233	19)
YZ Boo	54952.4272	.0016	FLG	+0.0002	GCVS 2009	V	52	15)
CM Boo	54953.4486	.0022	FLG	-0.1138	GCVS 2009	V	183	15)
CQ Boo	54981.4007	.0007	MZ	-0.0565	BAVR 48,189	-Ir	151	7) 1)
	54981.4368	.0007	MZ	-0.0204	BAVR 48,189	-Ir	121	7) 1)
ST CVn	54972.468	.002	AG	-0.065	BAVR 49,105	-Ir	38	17)
PS Cas	55141.389	.005	AG	-0.192	GCVS 2009	-Ir	65	17)
V 363 Cas	55108.525	.003	AG	+0.037	BAVR 49,41	-Ir	48	17)
RZ Cep	55068.4860	.0035	PGL	-0.1145	GCVS 2009	V	844	16) 3)
	55070.3691	.0035	PGL	-0.0835	GCVS 2009	V	479	16) 4)
	55083.3100	.0035	PGL	-0.1074	GCVS 2009	V	477	16) 5)
	55091.3321	.0042	PGL	-0.1111	GCVS 2009	V	613	16) 5)
	55094.4275	.0056	PGL	-0.1026	GCVS 2009	V	545	16) 5)
	55099.360	.006	PGL	-0.109	GCVS 2009	o	135	16) 5)
RV CrB	54972.4318	.0030	ALH	+0.0098	GCVS 2009	V	171	10) 4)
UY Cyg	55063.4239	.0030	ALH	+0.0429	GCVS 2009	V	332	10)
XZ Cyg	55119.3035	.0005	MOO	+0.0402	BAVR 48,189	o	60	15)
DM Cyg	55059.4525	.0030	ALH	-0.0015	A&A 476.307 2007	V	128	10)
V 833 Cyg	55082.3600	.0010	MZ	-0.1580	GCVS 2009	-Ir	251	7) 1)
	55083.4372	.0015	MZ	-0.1571	GCVS 2009	-Ir	61	7)
V 838 Cyg	55101.4494	.0007	MZ	+0.0288	GCVS 2009	-Ir	80	7)
	55102.4128	.0007	MZ	+0.0317	GCVS 2009	-Ir	75	7)
V 1949 Cyg	55119.4790	.0010	MZ			-Ir	72	7)
	55119.4790	.0010	MZ			-Ir	72	7)
	55130.4645	.0026	MZ			-Ir	47	7)
	55130.4645	.0026	MZ			-Ir	47	7)
DD Dra	54972.453	.003	AG	+0.064	BAVR 49,6	-Ir	53	17)
RR Gem	55164.5212	.0021	PGL	-0.0107	BAVR 47,67	V	379	19)
SZ Gem	54922.3515	.0032	MOO	+0.0096	BAVR 48,65	o	33	18)
TW Her	55066.4339	.0020	MOO	-0.0541	GCVS 2009	o	76	18)
VZ Her	54709.4292	.0014	ATB	+0.0667	GCVS 2009	o	75	6)
AR Her	55051.4351	.0035	PGL	+0.0337	BAVR 52,3	o	676	16)
	55060.3762	.0021	PGL	+0.0452	BAVR 52,3	o	441	16)
	55066.4812	.0035	PGL	+0.0403	BAVR 52,3	o	419	16)
	55067.4170	.0035	PGL	+0.0362	BAVR 52,3	o	264	16)
	55068.3528	.0035	PGL	+0.0320	BAVR 52,3	o	235	16)
DY Her	55028.4606	.0011	BRL	-0.0061	BAVR 48,189	o	50	20)
V 392 Her	55066.3618	.0008	MZ	-0.1313	GCVS 2009	-Ir	104	7)
	55101.3251	.0006	MZ	-0.1311	GCVS 2009	-Ir	86	7)
V 862 Her	55100.3747	.0070	MZ			-Ir	67	7) 2)
	55100.3925	.0007	MZ			-Ir	67	7) 2)
CQ Lac	54834.4017	.0028	ATB	+0.1385	GCVS 2009	o	137	6)
CZ Lac	55141.556	.003	FR	-0.162	BAVR 53,12	-Ir	79	17)
GP Leo	54922.327	.003	MS FR	+0.301	IBVS 5114	o	628	9)
CG Lyr	55074.3750	.0002	MZ	+0.1108	GCVS 2009	-Ir	79	7)
CX Lyr	55062.3950	.0010	MZ	+0.2607	BAVR 49,41	-Ir	113	7)
EZ Lyr	55059.3820	.0014	FLG	+0.0255	BAVR 34,145	V	122	15)

Table 2: (cont.)

Variable	HJD 24.....	±	Obs	$O - C$	Bibliography	Fil	n	Rem
FN Lyr	54735.4498	.0021	ATB	+0.0244	GCVS 2009	o	41	6)
IO Lyr	54709.5058	.0024	ATB	-0.0322	GCVS 2009	o	52	6)
	55083.4786	.0030	ALH	-0.0349	GCVS 2009	V	255	10)
QV Lyr	55092.3998	.0009	MZ	+0.1047	GCVS 2009	-Ir	132	7)
	55130.3561	.0009	MZ	+0.1035	GCVS 2009	-Ir	110	7)
VZ Peg	54831.2817	.0056	ATB	-0.0114	BAVR 49,41	o	81	6)
CG Peg	55050.4419	.0035	PGL	-0.0314	SAC Vo1.72	V	648	16)
DH Peg	55097.4007	.0030	ALH	-0.0021	GCVS 2009	V	398	10) 2)
	55097.4288	.0030	ALH	+0.0260	GCVS 2009	V	398	10) 2)
	55141.378	.003	FR	+0.027	GCVS 2009	-Ir	47	12)
DY Peg	55068.4982	.0010	BRL	-0.0093	GCVS 2009	o	41	20)
	55091.3980	.0009	BRL	-0.0083	GCVS 2009	o	64	20)
	55091.4707	.0007	BRL	-0.0085	GCVS 2009	o	36	20)
	55091.5436	.0007	BRL	-0.0086	GCVS 2009	o	65	20)
	55093.3656	.0035	PGL	-0.0097	GCVS 2009	V	79	16)
	55097.3769	.0021	PGL	-0.0094	GCVS 2009	m	218	16)
AR Per	55155.538	.002	FR	+0.058	GCVS 2009	-Ir	101	17)
	55168.3042	.0035	PGL	+0.0574	GCVS 2009	V	464	16)
V375 Per	55155.265	.001	AG	-0.258	GCVS 2009	-Ir	54	17)
EV Psc	55082.4053	.0030	MZ	-0.0105	GCVS 2009	-Ir	121	7)
	55097.4178	.0030	MZ	-0.0046	GCVS 2009	-Ir	127	7)
V1025 Sgr	55042.530	.006	FR	-0.027	GCVS 2009	-Ir	90	17)
GSC 01666-00929	55083.617	.005	FR			-Ir	208	17)
GSC 02681-00859	55062.426	.002	FR			-Ir	52	17)
	55062.558	.002	FR			-Ir	52	17)

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 SIR: Schirmer, J., Willisau (CH)  
 WTR: Walter, F., München

**Remarks:**

- : uncertain
- s secondary minimum
- 1) normal maximum or minimum
- 2) double maxima: time of the first and the second maximum
- 3) double maxima: time of the first maximum
- 4) double maxima: time of the second maximum
- 5) double maxima: time of the middle of both maxima
- CCD-Cameras
- 6) ccd-camera ST-6: chip 375\*242 uncoated
- 7) ccd-camera ST-7
- 8) ccd-camera ST-7E
- 9) ccd-camera ST-9E
- 10) ccd-camera ST-8XMEI: chip KAF1603ME
- 11) ccd-camera Alpha Maxi: chip KAF401e
- 12) ccd-camera OES-LcCCD12
- 13) ccd-camera Pictor 416XT
- 14) ccd-camera Meade DSI Pro 2
- 15) ccd-camera SIGMA 402
- 16) ccd-camera Artemis 4021
- 17) ccd-camera Sigma 1603
- 18) ccd-camera Canon EOS 350D
- 19) ccd-camera AlCCD6c
- 20) ccd-camera Canon EOS 450D
- 21) ccd-camera Meade 1616XTE
- Filter
- o without filter
- B B-filter
- V V-filter
- Ir -Ir-filter
- m multiple filter

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- BAVR vv,ppp BAV Rundbrief volume, pages
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- SAC vv Rocznik Astronomiczny No. vv, Krakow (SAC)
- Star catalogues
- GSC The HST Guide star Catalogue 1.2
- TYC Tycho ctalogue

**ERRATUM FOR IBVS 5918 (BAVM 209)**

RR Lyr 54866 4031 ALH has to be deleted