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PHOTOELECTRIC MINIMA OF SELECTED ECLIPSING BINARIES AND MAXIMA OF PULSATING STARS

(BAV MITTEILUNGEN NO. 152)

AGERER, FRANZ; HÜBSCHER, JOACHIM

Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), `http://thola.de/bav.html`, Munsterdamm 90, D–12169 Berlin, Germany

In this 46th compilation of BAV results, photoelectric observations obtained in the years 2000 till 2002 are presented on 428 variable stars giving 843 minima and maxima. 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 lightcurves with evaluations can be obtained from the office of the BAV for inspection.

Table 1: Eclipsing binaries

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
RT And	51924.2517		WTR	−0.0049		GCVS 85		13)
	52229.2833	.0001	QHL	−0.0041		GCVS 85	-Ir	18) 14)
TT And	52202.4791	.0002	RAT RCR	−0.0615		GCVS 85		1)
UU And	51770.5553	.0015	HSR	+0.0258		GCVS 85		15)
AA And	51770.4167	.0006	AG	−0.0886		GCVS 85	BV	2)
AB And	51807.3991		SIR	−0.0151		GCVS 85	-Ir	8)
	51900.3296	.0010	ATB	−0.0144		GCVS 85		1)
	52209.3200	.0005	WTR	−0.0156		GCVS 85		7)
EP And	52217.5469	.0003	RAT RCR	+0.0595		GCVS 85		1)
	52253.5118	.0002	RAT RCR	+0.0589		GCVS 85		1)
LO And	52114.4799	.0007	AG	−0.0085		GCVS 85	BV	2)
RY Aqr	51768.4542	.0007	KI	−0.0554		GCVS 85	-Ir	1)
ST Aqr	51780.5027	.0008	KI	−0.0302		GCVS 85	-Ir	1)
KO Aql	51834.3809		SIR	+0.0455		GCVS 85	-Ir	8)
LT Aql	51715.5543	.0008	RAT RCR					1)
OO Aql	51780.3608	.0003	KI	+0.0137	s	GCVS 85	-Ir	1)
	52137.3988	.0002	WTR	+0.0192		GCVS 85		7)
	52175.4075	.0002	MZ	+0.0188		GCVS 85	-Ir	11)
V415 Aql	51783.4011	.0014	AG	+0.0017		BAVM 69	BV	2)
V417 Aql	51747.4526	.0006	KI	−0.0462	s	BAVR 3)	-Ir	1)
V609 Aql	51811.3068	.0006	KI	−0.0268		GCVS 85	-Ir	1)
V694 Aql	50670.5153	.0003	FR	+0.0001		BAVM 97		5)
V724 Aql	51780.4169	.0010	AG	−0.0089		BAVM 57	BV	2)
	51807.3295	.0005	KI	−0.0115		BAVM 57	-Ir	1)
GSC 1062.0003 Aql	50749.2947	.0007	QU				-Ir	4)
SS Ari	51571.399	.003	MZ	+0.034	s	GCVS 85		6)
	51827.3712		SIR	+0.0280		GCVS 85	-Ir	8)
	51907.3507	.0006	MZ	+0.0268		GCVS 85	-Ir	6)
	52288.3653	.0003	MZ	+0.0163	s	GCVS 85	-Ir	11)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
ZZ Aur	51601.4602	.0003	RAT RCR	+0.0123		GCVS 85		1)
	51975.4167	.0002	RAT RCR	+0.0129		GCVS 85		1)
	52337.3478	.0003	WTR	+0.0123		GCVS 85		13)
AH Aur	51603.329 :	.001	AG	+0.099	s	BAVR 6)	V	2)
	51926.4768	.0007	AG	+0.0651	s	BAVR 6)		1)
	51955.3793	.0007	AG	+0.0592		BAVR 6)	BV	2)
AP Aur	51571.3753	.0003	AG	+0.0188		BAVM 67	BV	2)
	51624.3267	.0004	RAT RCR	+0.0189		BAVM 67		1)
	51936.3466	.0002	AG	+0.0249		BAVM 67		1)
	52349.4293	.0011	AG	+0.0306	s	BAVM 67	-Ir	1)
CL Aur	51921.5164	.0002	RAT RCR	+0.0943		GCVS 85		1)
EM Aur	52280.2827	.0013	MON	−0.1223		SAC 63	-Ir	1)
EP Aur	51626.3962	.0002	RAT RCR	+0.0045		GCVS 85		1)
FP Aur	51601.3474	.0012	RAT RCR	−0.0660		GCVS 85		1)
FR Aur	52197.5538	.0004	FR	+1.0129		GCVS 85	-Ir	5)
GX Aur	51955.5649	.0003	RAT RCR	+0.0108		BAVM 69		1)
HL Aur	51625.3465	.0001	RAT RCR	−0.0081		GCVS 85		1)
HU Aur	51602.3754	.0003	RAT RCR	−0.0194		GCVS 85		1)
IY Aur	51901.5157	.0014	AG	−0.1033		GCVS 85	BV	2)
KU Aur	51923.4319	.0001	QU	+0.0291		GCVS 85		4)
	51989.4103	.0007	ATB	+0.0286		GCVS 85		1)
	52278.396	.002	JU	+0.027		GCVS 85		4)
MO Aur	51569.3312	.0009	FR	+0.0798		BAVM 68		5)
	52280.3350	.0008	FR	+0.0808		BAVM 68	-Ir	5)
TU Boo	51679.4028	.0015	HSR	+0.0715	s	GCVS 85		16)
TY Boo	52349.3971	.0003	AG	−0.0112	s	BAVM 68		1)
	52349.5564	.0003	AG	−0.0104		BAVM 68		1)
TZ Boo	52034.535 :	.002	AG	+0.068		BAVM 68		1)
	52053.406 :	.001	AG	+0.069	s	BAVM 68	B	2)
	52053.552 :	.001	AG	+0.067		BAVM 68	B	2)
VW Boo	51654.4786	.0004	KI	−0.0287		BAVR 2)	-Ir	1)
	52051.3982	.0007	KI	−0.0290	s	BAVR 2)	-Ir	1)
XY Boo	51671.4932	.0007	KI	−0.0797	s	GCVS 85	-Ir	1)
	52050.4093	.0006	KI	−0.0475		GCVS 85	-Ir	1)
AC Boo	51704.4914	.0004	QU	+0.0034	s	GCVS 85	V	4)
	52053.4100	.0005	QU	+0.0169	s	GCVS 85	V	14)
CV Boo	52055.4650	.0005	QU	−0.0114	s	BAVR 12)	V	14)
	52080.4521	.0003	MZ	−0.0107		BAVR 12)	-Ir	11)
SS Cam	51349.698	.008	AG	−1.455		GCVS 85	BV	2)
SV Cam	51921.2792	.0001	DIE	+0.0460		GCVS 85		7) 17)
	51921.2792	.0001	DIE	+0.0460		GCVS 85		7)
AW Cam	51841.3537	.0009	DIE	+0.0336		GCVS 85		7)
	51841.3537	.0009	DIE	+0.0336		GCVS 85		7) 17)
TX Cnc	51625.3455	.0005	KI	+0.0272	s	GCVS 85	-Ir	1)
	51983.3407	.0005	KI	+0.0282	s	GCVS 85	-Ir	1)
WW Cnc	52345.3327	.0005	AG	−0.0528		BAVR 1)	-Ir	1)
WX Cnc	51569.4228	.0001	RAT RCR	+0.0091		GCVS 85		1)
	51586.5669	.0002	RAT RCR	+0.0090		GCVS 85		1)
	51640.4480	.0002	RAT RCR	+0.0082		GCVS 85		1)
FF Cnc	51626.3639	.0001	FR	−0.0805		BAVM 65		5)
	51927.3500	.0015	FR	−0.1103	s	BAVM 65		5)
	51956.4827	.0009	AG	−0.0869	s	BAVM 65	BV	2)
RV CVn	52344.4099	.0028	AG				-Ir	1)
	52344.5458	.0020	AG				-Ir	1)
BI CVn	51678.4430	.0005	AG	−0.0606		GCVS 85	BV	2)
XZ CMi	51580.3212	.0001	RAT RCR	−0.0096		GCVS 85		1)
BH CMi	51957.3316	.0019	AG				BV	2)
TV Cas	51586.374	.002	MZ	−0.010		GCVS 85		6)
TW Cas	51902.3718	.0010	QU	−0.0158		GCVS 85	V	4)
	52229.4553	.0010	QHL	−0.0185		GCVS 85	-Ir	18) 14)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
ZZ Cas	52121.5116	.0002	RAT RCR	+0.0234		GCVS 85		1)
AX Cas	51780.4837	.0002	RAT RCR	−0.0591		GCVS 85		1)
BH Cas	51846.4408	.0012	AG					1)
	51846.6449	.0024	AG					1)
	51925.3842	.0005	AG					1)
	51925.5897	.0006	AG					1)
DZ Cas	51773.544 :	.002	AG	−0.156	s	GCVS 85		1)
EP Cas	52119.4817	.0003	RAT RCR	−0.0353		GCVS 85		1)
GT Cas	51391.5531	.0005	MS	+0.1447		GCVS 85		1)
IL Cas	51925.3016	.0007	QU	−0.0621		GCVS 85	V	4)
	52194.5351	.0040	JU	−0.0648		GCVS 85		4)
IR Cas	52190.4446	.0027	PC	+0.0161		GCVS 85	-Ir	12)
IT Cas	52187.3241	.0009	JU	−0.0980	s	SAC 69		4)
IV Cas	51762.4505	.0020	HSR	−0.0281		GCVS 85		15)
	51899.2443	.0002	RAT RCR	−0.0322		GCVS 85		1)
MM Cas	51943.3416	.0025	HSR	+0.0146		BAVR 1)		10)
MN Cas	52179.4846	.0004	AG	+0.0097		GCVS 85		1)
	52205.3648	.0028	AG	+0.0113	s	GCVS 85		1)
	52224.5429	.0005	AG	+0.0202	s	GCVS 85		1)
MT Cas	51807.3638	.0002	RAT RCR					1)
OX Cas	51768.4928	.0007	AG	+0.0246	s	GCVS 85	BV	2)
	51814.4818	.0019	AG	−0.0094		GCVS 85	BV	2)
PV Cas	51900.4076	.0011	MZ	+0.0030	s	GCVS 85	-Ir	6)
	52188.3351	.0004	MZ	−0.0299		GCVS 85	-Ir	11)
	52188.3355	.0019	JU	−0.0295		GCVS 85		4)
	52195.3379	.0011	JU	−0.0289		GCVS 85		4)
	52209.3406	.0011	MON	−0.0300		GCVS 85	-Ir	1)
	52224.2443	.0010	MON	+0.0030	s	GCVS 85	-Ir	1)
V357 Cas	51773.4276	.0014	AG	+0.0220	s	GCVS 85		1)
	51812.3471	.0010	AG	+0.1434	s	GCVS 85		1)
	52120.5508	.0013	RAT RCR	+0.2445	s	GCVS 85		1)
V359 Cas	51766.4568	.0012	AG	−0.0010	s	BAVM 132		1)
	52122.4144	.0017	AG	−0.0015	s	BAVM 132		1)
V360 Cas	51865.3944	.0003	RAT RCR					1)
V364 Cas	51927.3394	.0005	AG	−0.0199		GCVS 85		1)
V445 Cas	51782.4357	.0025	HSR	−0.0059		BAVM 69		15)
V473 Cas	51811.3969	.0002	RAT RCR	−0.0060		BAVM 115		1)
	51867.4827	.0003	AG	−0.0074		BAVM 115		1)
	52135.4551	.0006	AG	−0.0072		BAVM 115		1)
	52179.4936	.0030	AG	−0.0075		BAVM 115		1)
	52193.4123	.0006	AG	−0.0067	s	BAVM 115		1)
	52193.6155	.0011	AG	−0.0113		BAVM 115		1)
V541 Cas	51966.3993	.0002	AG	+0.3267	s	GCVS 85		1)
V651 Cas	51867.4131	.0003	AG	+0.0008	s	BAVM 55	BV	2)
U Cep	51796.4867		DDH	+0.1153		GCVS 85		4)
WW Cep	52197.5102	.0010	AG	+0.0006		BAVM 71		1)
WZ Cep	51817.4762	.0003	RAT RCR	−0.0317		GCVS 85		1)
CO Cep	51899.3360	.0002	RAT RCR	−0.1681		GCVS 85		1)
CW Cep	51771.4959	.0009	AG	+0.0696	s	GCVS 85	BV	2)
DV Cep	52051.4968	.0002	RTZ	−0.0035		BAVM 47		1)
	52087.5177	.0001	RTZ	−0.0038		BAVM 47		1)
EF Cep	51923.3398	.0002	AG	−0.0076		GCVS 85		1)
	51923.6413	.0002	AG	−0.0092	s	GCVS 85		1)
	51925.4613	.0008	RAT RCR	−0.0074	s	GCVS 85		1)
EG Cep	52042.4944	.0001	RAT RCR	+0.0124		GCVS 85		1)
EK Cep	52197.5560	.0013	AG	+0.0101		GCVS 85	V	1)
GW Cep	51900.3948	.0002	RAT RCR	−0.0171	s	BAVR 4)		1)
	52143.5022	.0002	RAT RCR	−0.0185		BAVR 4)		1)
IO Cep	51782.4792	.0001	RAT RCR	−0.0140		GCVS 85		1)
IP Cep	52198.480 :	.005	AG	−0.009	s	BAVM 132		1)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
LL Cep	52113.5039	.0002	RAT RCR					1)
MT Cep	52151.5765	.0019	AG					1)
OT Cep	52252.4469	.0004	AG	+0.0024	s	BAVM 142		1)
	52310.4303	.0002	AG	−0.0026		BAVM 142	-Ir	1)
	52347.4848	.0003	AG	−0.0029		BAVM 142	-Ir	1)
PX Cep	51667.4892	.0009	AG					1)
	52039.5699	.0003	RAT RCR					1)
V338 Cep	51812.5523	.0039	AG	+0.0167		GCVS 85	BV	2)
V383 Cep	51812.4137	.0017	AG	+0.0012		BAVM 64	BV	2)
	51827.3700	.0015	AG	+0.0001		BAVM 64	BV	2)
	52043.498 :	.003	AG	−0.006	s	BAVM 64	BV	2)
V489 Cep	51757.4533	.0008	AG	+0.0216	s	BAVM 94		1)
	52043.4866	.0005	AG	+0.0418	s	BAVM 94		1)
TT Cet	51879.3247	.0006	KI	−0.0417	s	GCVS 85	-Ir	1)
VV Cet	51899.2517	.0007	KI	+0.0953		GCVS 85	-Ir	1)
SS Com	51659.4074	.0005	KI	+0.0630	s	BAVR 3)	-Ir	1)
	52002.4600	.0002	RAT RCR	+0.0710	s	BAVR 3)		1)
	52039.4081	.0005	KI	+0.0727		BAVR 3)	-Ir	1)
CC Com	51660.3951	.0003	KI	−0.0093	s	GCVS 85	-Ir	1)
LL Com	52344.4663	.0009	AG				-Ir	1)
TW CrB	51680.3839	.0001	RAT RCR					1)
BO Cyg	51838.4000	.0002	RAT RCR	+0.0596		GCVS 85		1)
	52191.4034	.0010	MZ	+0.0613		GCVS 85	-Ir	11)
CG Cyg	51773.4380	.0018	AG	+0.0422		GCVS 85	BV	2)
CV Cyg	52192.3848	.0009	MZ	−0.0016	s	SAC 68	-Ir	11)
	52195.3317	.0021	ATB	−0.0049	s	SAC 68		1)
DO Cyg	51840.4092	.0002	RAT RCR					1)
GO Cyg	51806.3726	.0007	AG	+0.0591		GCVS 85	BV	2)
	52144.4417	.0009	AG	+0.0614		GCVS 85	BV	2)
KR Cyg	51797.4700	.0005	FR	+0.0016	s	GCVS 85		5)
	51816.4875	.0004	FR	+0.0032		GCVS 85		5)
	51850.2932	.0002	FR	+0.0028		GCVS 85		5)
V345 Cyg	51771.4625	.0006	FR	+0.0005		BAVM 132		5)
	51773.5417	.0006	FR	+0.0042		BAVM 132		5)
	51798.4458	.0007	FR	+0.0018		BAVM 132		5)
	51850.3389	.0006	FR	+0.0064		BAVM 132		5)
V456 Cyg	51770.4468	.0005	AG	+0.0170	s	GCVS 85		1)
V463 Cyg	52113.4616	.0027	JU	+0.0246		SAC 63		4)
	52219.3288	.0004	MZ	+0.0134		SAC 63	-Ir	11)
V483 Cyg	52112.4430	.0019	AG					1)
V488 Cyg	51705.4292	.0002	FR	+0.0964	s	GCVS 85		5)
	51773.5290	.0009	FR	+0.0938		GCVS 85		5)
	51797.3521	.0003	FR	+0.0952	s	GCVS 85		5)
	51798.4747	.0003	FR	+0.0967	s	GCVS 85		5)
	51816.4095	.0002	FR	+0.0951	s	GCVS 85		5)
	51850.3245	.0005	FR	+0.0991		GCVS 85		5)
	51854.2435	.0011	FR	+0.0945		GCVS 85		5)
	52113.4814	.0003	FR	+0.0951	s	GCVS 85	-Ir	5)
	52115.4420	.0010	FR	+0.0939		GCVS 85	-Ir	5)
	52195.3144	.0005	AG	+0.0932	s	GCVS 85		1)
V500 Cyg	52200.3907	.0002	RAT RCR	+0.0759		GCVS 85		1)
V548 Cyg	52150.4147	.0020	JU	+0.0159		GCVS 85		4)
V628 Cyg	52114.4488	.0003	AG	−0.0013	s	BAVM 89		1)
V652 Cyg	51195.4814	.0010	RAT RCR	+1.2575		GCVS 85		1)
V687 Cyg	51682.4473	.0140	HSR	−0.0012		GCVS 85		16)
V700 Cyg	51770.3994	.0003	AG	−0.0225	s	GCVS 85		1)
	51770.5449	.0005	AG	−0.0470		GCVS 85		1)
	52203.2947	.0009	PC	−0.0058	s	GCVS 85	-Ir	12)
V725 Cyg	51393.4990	.0011	FR	+0.1977		GCVS 85		5)
	51459.3544	.0012	FR	+0.2074		GCVS 85		5)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
V725 Cyg	51816.3936	.0001	FR	+0.2160		GCVS 85		5)
	52050.5230	.0010	FR	+0.2270		GCVS 85		5)
V809 Cyg	51812.4150	.0002	RAT RCR					1)
V828 Cyg	51766.4454	.0009	AG	−0.3064		GCVS 85	BV	2)
	52150.4505	.0008	AG	−0.3799	s	GCVS 85	BV	2)
V859 Cyg	52093.4441	.0004	AG	−0.0319		GCVS 85		1)
V884 Cyg	51806.3311	.0007	RAT RCR					1)
V934 Cyg	51799.4041	.0014	AG	−0.0642	s	GCVS 85		1)
	52080.3843	.0026	AG	−0.0644	s	GCVS 85		1)
V974 Cyg	51786.4057	.0010	FR	−0.1081	s	GCVS 85		5)
V975 Cyg	52112.4772	.0006	FR				-Ir	5)
V1130 Cyg	51840.279 :		RAT RCR					1)
	52136.4685	.0003	AG					1)
V1147 Cyg	52192.3467	.0008	FR				-Ir	5)
V1187 Cyg	51797.4368	.0008	AG	+0.7373		BAVM 73	BV	1)
	52075.4714	.0003	AG	−0.0233		BAVM 73		1)
V1188 Cyg	51146.4794	.0008	RAT RCR					1)
V1191 Cyg	51797.4916	.0005	AG	+0.0137	s	GCVS 85	BV	1)
	52075.4565	.0004	AG	+0.0132	s	GCVS 85		1)
V1196 Cyg	52117.4861	.0007	AG					1)
V1401 Cyg	52225.4629	.0016	AG					1)
V1411 Cyg	52225.3976	.0010	AG	+0.1921		GCVS 85		1)
V1417 Cyg	52225.289 :	.001	AG					1)
	52258.3553	.0004	AG				-Ir	1)
V2021 Cyg	51806.479 :	.001	AG				BV	2)
V2181 Cyg	51705.4678	.0005	QU	+0.0014		BAVR 17)	V	4)
	51705.4702	.0005	FR	+0.0038		BAVR 17)		5)
	51771.4221	.0004	FR	+0.0054		BAVR 17)		5)
	51773.4278	.0014	FR	+0.0039	s	BAVR 17)		5)
	51797.5232	.0014	FR	+0.0130	s	BAVR 17)		5)
	51798.3720	.0006	FR	+0.0017		BAVR 17)		5)
	51799.5214	.0005	FR	+0.0041		BAVR 17)		5)
	51816.4358	.0012	FR	+0.0008	s	BAVR 17)		5)
	51850.2745	.0003	FR	+0.0040	s	BAVR 17)		5)
	51854.2888	.0007	FR	+0.0040	s	BAVR 17)		5)
	52050.4187	.0017	FR	+0.0033	s	BAVR 17)		5)
	52060.4558	.0012	FR	+0.0044		BAVR 17)		5)
	52087.4102	.0005	FR	+0.0052		BAVR 17)		5)
	52113.5022	.0009	FR	+0.0038	s	BAVR 17)	-Ir	5)
	52122.3932	.0008	FR	+0.0059		BAVR 17)	-Ir	5)
	52136.4390	.0010	FR	+0.0014	s	BAVR 17)	-Ir	5)
	52194.3630	.0014	FR	+0.0037	s	BAVR 17)	-Ir	5)
	52209.2675	.0004	FR	−0.0023	s	BAVR 17)	-Ir	5)
	52217.2946	.0008	FR	−0.0039	s	BAVR 1)	-Ir	5)
TY Del	51814.3276	.0008	KI	+0.0453		GCVS 85	-Ir	1)
EX Del	51716.4531	.0002	RAT RCR	−0.0391		GCVS 85		1)
	51762.4565	.0005	KI	−0.0697		GCVS 85	-Ir	1)
GG Del	51799.3452	.0011	KI	−0.0183		GCVS 85	-Ir	1)
	52085.4635	.0003	RAT RCR	−0.0191		GCVS 85		1)
AR Dra	51926.4912	.0001	RAT RCR					1)
	51968.3931	.0003	RAT RCR					1)
AU Dra	51833.3041	.0003	RAT RCR					1)
	52039.4092	.0002	RAT RCR					1)
AX Dra	51580.4989	.0001	RAT RCR	−0.0037		BAVR 1)		1)
BV Dra	51636.3423	.0010	HSR					4)
BX Dra	52000.4709	.0005	AG	+0.0040		BAVM 82		1)
	52040.4257	.0004	AG	+0.0060		BAVM 82		1)
CV Dra	51816.3749	.0010	AG	−0.0055		BAVM 69	V	2)
EF Dra	51680.4526	.0005	AG	+0.0172	s	BAVM 63	BV	2)
S Equ	51812.41 :		SIR	+0.06		GCVS 85	-Ir	8)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
UX Eri	51901.3588	.0006	KI	+0.1049	s	GCVS 85	-Ir	1)
YY Eri	51567.3144	.0004	KI	+0.0821		GCVS 85	-Ir	1)
	51900.3883	.0005	KI	−0.0727	s	GCVS 85	-Ir	1)
BL Eri	51873.4601	.0004	KI	+0.0981		GCVS 85	-Ir	1)
CD Eri	51923.2552	.0008	KI				-Ir	1)
WW Gem	51640.3948	.0035	ATB	+0.0292		GCVS 85		1)
YY Gem	51641.3893	.0021	ATB	−0.0082		GCVS 85		1)
	51924.3524		BRN STK	−0.0082	s	GCVS 85		4)
	51926.3881		BRN STK	−0.0083		GCVS 85		4)
AI Gem	51899.4945	.0003	FR					5)
BD Gem	51901.4559	.0004	KI	−0.0232		GCVS 85	-Ir	1)
EY Gem	52280.4035	.0018	AG	−0.1996		GCVS 85		1)
FG Gem	51956.3847	.0003	KI	−0.0274		GCVS 85	-Ir	1)
KQ Gem	52280.5785	.0010	AG					1)
KV Gem	52280.4100	.0005	AG	−0.0179	s	GCVS 85		1)
	52280.5895	.0007	AG	+0.0523		GCVS 85		1)
TT Her	51712.4561	.0004	KI	+0.0267		GCVS 85	-Ir	1)
AK Her	51713.4988	.0007	KI	+0.0070	s	GCVS 85	-Ir	1)
	51996.5479		SIR	+0.0062		GCVS 85	-Ir	8)
CC Her	51669.5061	.0001	RAT RCR	+0.1100		GCVS 85		1)
CT Her	51708.4701	.0006	KI	−0.0011		GCVS 85	-Ir	1)
FN Her	51661.4615	.0040	HSR	+0.1045		GCVS 85		16)
HS Her	51758.4671	.0018	AG	−0.0112	s	GCVS 85	V	2)
	51767.4665	.0006	AG	−0.0177		GCVS 85	V	2)
LT Her	51703.4593	.0010	KI	−0.0066		BAVM 69	-Ir	1)
MT Her	51770.4050	.0006	KI	+0.0122	s	GCVS 85	-Ir	1)
V342 Her	52053.4754	.0003	AG	+0.0056		GCVS 85		1)
	52119.499 :	.002	AG	+0.020	s	GCVS 85		1)
V450 Her	51811.422	.008	ATB	+0.184	s	GCVS 85		1)
	52040.4882	.0019	AG	+0.1551	s	GCVS 85	BV	2)
	52188.3700	.0011	ATB	+0.1748	s	GCVS 85		1)
V502 Her	51677.4556	.0003	RAT RCR					1)
	52050.4270	.0002	RAT RCR					1)
	52116.5266	.0002	RAT RCR					1)
V728 Her	52032.4540	.0007	AG	+0.0245	s	BAVM 51	BV	2)
V733 Her	52117.5066	.0002	RAT RCR					1)
V829 Her	51679.4553	.0006	AG				BV	2)
V878 Her	52118.4404	.0021	AG				BV	2)
TY Hya	52344.3550	.0006	AG					1)
WY Hya	51601.4316	.0004	KI	+0.0180	s	GCVS 85	-Ir	1)
	51954.4243	.0005	KI	+0.0195	s	GCVS 85	-Ir	1)
AV Hya	51602.3295	.0005	AG	−0.0549		GCVS 85	BV	2)
	51644.3564	.0009	KI	−0.0575	s	GCVS 85	-Ir	1)
	52338.3477	.0005	AG	−0.0652		GCVS 85		1)
EU Hya	51968.3015	.0003	RAT RCR	−0.0198		GCVS 85		1)
FG Hya	51955.4675	.0007	KI	−0.0562	s	GCVS 85	-Ir	1)
	52307.3941	.0011	AG	−0.0573		GCVS 85	-Ir	1)
SW Lac	51924.3026	.0012	MZ	−0.0704	s	GCVS 85	-Ir	6)
ZZ Lac	50677.3988	.0006	FR					5)
AU Lac	51833.4706	.0001	RAT RCR					1)
AW Lac	52146.4850	.0007	AG	+0.0224		BAVR 5)		1)
	52150.4835	.0012	AG	+0.0209	s	BAVR 5)		1)
CO Lac	52121.4712	.0007	MON	−0.0027		SAC 72	-Ir	1)
	52148.4892	.0010	JU	+0.0266	s	SAC 72		4)
	52151.5723	.0072	AG	+0.0253	s	SAC 72		1)
	52202.4647	.0009	JU	+0.0248	s	SAC 72		4)
DG Lac	52150.4244	.0005	AG	−0.1898		GCVS 85		1)
	52267.3713	.0006	AG	−0.1892		GCVS 85	-Ir	1)
EP Lac	52267.3933	.0013	AG	−0.3090		GCVS 85	-Ir	1)
HR Lac	52225.4627	.0009	AG					1)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
HR Lac	52258.2885	.0009	AG				-Ir	1)
HX Lac	52144.596 :	.001	AG					1)
	52196.5654	.0018	AG					1)
IU Lac	51771.4361	.0012	AG					1)
	51901.2891	.0003	AG					1)
	52083.4694	.0007	AG					1)
	52084.4404	.0003	AG					1)
	52113.5127	.0004	AG					1)
IZ Lac	51780.4439	.0006	AG					1)
	51786.4459	.0045	AG					1)
	51814.40	.01	AG					1)
	51816.3977	.0018	AG					1)
	52133.563 :	.003	AG					1)
LU Lac	51786.4931	.0019	AG					1)
	52123.391 :	.003	AG					1)
	52123.5425	.0006	AG					1)
LZ Lac	52150.4223	.0011	AG					1)
MZ Lac	52150.5162	.0024	AG	+0.1343		GCVS 85		1)
	52267.3937	.0006	AG	+0.1364		GCVS 85	-Ir	1)
NR Lac	52196.5329	.0021	AG					1)
NS Lac	52196.4340	.0016	AG					1)
NW Lac	52151.3789	.0028	AG					1)
	52278.2992	.0003	AG					1)
PP Lac	51785.3505	.0002	RAT RCR	−0.0326		GCVS 85		1)
	52148.3999	.0027	AG	−0.0357		GCVS 85		1)
V342 Lac	51780.3679	.0017	AG				V	2)
	51816.4448	.0026	AG					1)
	51817.4985	.0006	AG					1)
	52085.4771	.0010	AG					1)
	52113.4995	.0015	AG					1)
	52134.5136	.0011	AG					1)
	52194.4178	.0018	AG					1)
	52228.3955	.0015	AG					1)
V364 Lac	51796.4294	.0007	FR	−0.0491	s	BAVR 10)		5)
	51807.3494	.0006	FR	−0.0095		BAVR 10)		5)
	52123.4761	.0013	FR	+0.0001		BAVR 10)	-Ir	5)
	52193.4199	.0017	FR	−0.0429	s	BAVR 10)	-Ir	5)
GSC 3969.2430 Lac	51901.2644	.0004	AG	+0.0046		BAVM 135		1)
	52083.5210	.0008	AG	+0.0138		BAVM 135		1)
	52084.4474	.0004	AG	+0.0135		BAVM 135		1)
	52113.4867	.0010	AG	+0.0167		BAVM 135		1)
	52134.4929	.0018	AG	+0.0182		BAVM 135		1)
	52194.4180	.0005	AG	+0.0178		BAVM 135		1)
	52194.5744	.0056	AG	+0.0198	s	BAVM 135		1)
	52228.4033	.0014	AG	+0.0248		BAVM 135		1)
	52228.5577	.0005	AG	+0.0247	s	BAVM 135		1)
UV Leo	51596.4036	.0003	DIE	−0.0015		BAVM 77		7)
	51974.4601	.0003	KI	+0.0006		BAVM 77	-Ir	1)
UX Leo	52011.3698	.0004	KI	+0.0236		BAVM 68	-Ir	1)
XY Leo	51937.4320	.0007	AG	+0.0126		GCVS 85	BV	2)
	51937.5741	.0010	AG	+0.0126	s	GCVS 85	V	2)
	52337.5823	.0005	AG	+0.0124	s	GCVS 85	-Ir	1)
XZ Leo	51937.5703	.0006	AG	+0.0305		GCVS 85	BV	2)
	51950.4944	.0004	KI	+0.0296	s	GCVS 85	-Ir	1)
	52337.5143	.0004	AG	+0.0317		GCVS 85	-Ir	1)
AL Leo	51610.4259	.0004	AG	+0.0079		BAVM 53	BV	2)
BL Leo	51965.4031	.0003	RAT RCR					1)
T LMi	51974.6151	.0020	HSR	−0.0624		GCVS 85		10)
RT LMi	51602.4688	.0003	AG	−0.0024		GCVS 85	BV	2)
	51641.4637	.0003	RAT RCR	+0.0011		GCVS 85		1)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
RT LMi	52338.4296	.0002	AG	−0.0056		GCVS 85	-Ir	1)
RY Lyn	51956.5341	.0002	RAT RCR	−0.0331		GCVS 85		1)
SW Lyn	51586.3124	.0001	DIE	+0.0252		GCVS 85		7)
BG Lyn	51936.5260	.0006	AG					1)
	51956.3272	.0014	AG				BV	2)
TZ Lyr	52059.4851	.0001	RAT RCR	+0.0041		GCVS 85		1)
UZ Lyr	52189.3064	.0009	WTR	−0.0146		GCVS 85		7)
BV Lyr	52224.2889	.0003	RAT RCR					1)
EW Lyr	51673.5434	.0015	HSR	+0.2427		GCVS 85		16)
	51714.4662	.0001	RAT RCR	+0.2423		GCVS 85		1)
FG Lyr	52133.4841	.0008	RAT RCR					1)
NV Lyr	52147.4720	.0009	AG					1)
NY Lyr	51680.5720	.0015	HSR	+0.0740		GCVS 85		16)
	52147.3827	.0017	AG	+0.0825		GCVS 85		1)
QU Lyr	51695.4166	.0040	HSR	−0.0015		GCVS 85		16)
	51758.4032	.0004	AG	−0.0013	s	GCVS 85		1)
	52156.5014	.0015	AG	−0.0015		GCVS 85		1)
	52199.3073	.0005	RAT RCR	−0.0018		GCVS 85		1)
V400 Lyr	52095.4715	.0003	AG					1)
	52096.4843	.0005	AG					1)
	52100.5378	.0004	AG					1)
	52121.4453	.0002	AG					1)
	52121.5727	.0008	AG					1)
	52129.4300	.0003	AG					1)
	52136.3983	.0014	AG					1)
	52136.5249	.0010	AG					1)
	52140.451 :	.005	AG					1)
	52140.580 :	.005	AG					1)
	52156.4186	.0052	AG					1)
V401 Lyr	52096.5163	.0006	AG					1)
	52129.3928	.0004	AG					1)
	52156.357	.006	AG					1)
V404 Lyr	51678.5454	.0007	AG	+0.0007	s	BAVM 133		1)
	51816.3258	.0002	RAT RCR	−0.0016		BAVM 133		1)
	52095.5484	.0008	AG	+0.0009		BAVM 133		1)
	52121.4978	.0012	AG	+0.0019	s	BAVM 133		1)
	52136.4824	.0010	AG	+0.0022		BAVM 133		1)
	52140.509 :	.003	AG	+0.009	s	BAVM 133		1)
V406 Lyr	51680.4347	.0004	AG	−0.0163		BAVM 72		1)
AQ Mon	51600.3048	.0005	KI	−0.0726		GCVS 85	-Ir	1)
IX Mon	51927.2956	.0005	RAT RCR					1)
V454 Mon	51586.4783	.0018	MS					1)
V496 Mon	51950.3781	.0007	KI	−0.0223	s	GCVS 85	-Ir	1)
V514 Mon	51899.5002	.0013	KI	−0.0411	s	GCVS 85	-Ir	1)
V532 Mon	51927.3528	.0003	MS FR	+0.0543		GCVS 85		8) 17)
V714 Mon	51580.4984	.0004	FR					5)
	51923.4580	.0004	KI				-Ir	1)
V508 Oph	51687.3838	.0010	HSR	+0.0028		GCVS 85		16)
V735 Oph	51680.4248	.0035	HSR					16)
V839 Oph	51787.3462	.0004	KI	−0.0530		GCVS 85	-Ir	1)
V981 Oph	51671.4615	.0005	RAT RCR					1)
EF Ori	51176.4831	.0026	FR					5)
	52279.3351	.0005	FR				-Ir	5)
ER Ori	51924.3444	.0005	KI	+0.0262		GCVS 85	-Ir	1)
ET Ori	51569.3191	.0005	KI	+0.0024		GCVS 85	-Ir	1)
FT Ori	51602.3560	.0004	QU	+0.6469	s	GCVS 85	V	4)
FZ Ori	51954.3310	.0006	KI	−0.0777	s	GCVS 85	-Ir	1)
	51965.3337	.0014	MZ	−0.0586		GCVS 85	-Ir	11)
GU Ori	51568.2640	.0001	FR					5)
	51568.4986	.0007	FR					5)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
GU Ori	51571.3231	.0006	FR					5)
	51571.5555	.0035	FR					5)
	52279.4571	.0005	FR				-Ir	5)
V343 Ori	51938.3663	.0015	AG	+0.1465		GCVS 85	BV	2)
	51955.3581	.0006	KI	+0.1467		GCVS 85	-Ir	1)
V392 Ori	51925.4501	.0006	KI	+0.0017		GCVS 85	-Ir	1)
GSC 140.1831 Ori	51580.3492	.0008	MS					1)
U Peg	51821.4071	.0006	KI	−0.0829		GCVS 87	-Ir	1)
VW Peg	52141.4447	.0006	AG	+0.0011		BAVM 129	V	1)
AT Peg	52276.2631	.0020	MZ	+0.0145		GCVS 87	-Ir	11)
AY Peg	52118.4544	.0005	AG					1)
BB Peg	51770.5212	.0003	KI	+0.0008		GCVS 87	-Ir	1)
BO Peg	52151.4263	.0012	PC	−0.0222		GCVS 87	-Ir	12)
BX Peg	52137.3969	.0021	AG	−0.0581		GCVS 87		1)
	52137.5365	.0027	AG	−0.0587	s	GCVS 87		1)
BY Peg	52137.5063	.0014	AG					1)
CC Peg	49562.4197	.0010	AG	+0.0053	s	BAVM 133		1)
	49574.5242	.0004	AG	−0.0023	s	BAVM 133		1)
	49581.491 :	.003	AG	+0.000		BAVM 133		1)
	49587.546 :	.004	AG	−0.001		BAVM 133		1)
	49618.4290	.0006	AG	−0.0037		BAVM 133		1)
	50671.5777	.0005	AG	+0.0012		BAVM 133		1)
	51390.4271	.0006	AG	−0.0003		BAVM 133		1)
	51413.4407	.0007	AG	+0.0004		BAVM 133		1)
	52137.4438	.0019	AG	−0.2978		BAVM 133		1)
CW Peg	52137.436	.005	AG	+0.042	s	GCVS 87		1)
DI Peg	51807.4721	.0012	KI	−0.0144	s	GCVS 87	-Ir	1)
	51818.5020	.0007	ATB	−0.0177		GCVS 87		1)
	51868.3321	.0001	DIE	−0.0148		GCVS 87		7) 17)
	51868.3321	.0001	DIE	−0.0148		GCVS 87		7)
	52278.3363	.0002	MZ	−0.0171		GCVS 87	-Ir	11)
EY Peg	51807.4725	.0005	AG					1)
RT Per	51924.4592	.0001	RAT RCR	+0.0461		GCVS 87		1)
RV Per	51900.5633	.0001	RAT RCR	−0.0063		GCVS 87		1)
BP Per	52278.3303	.0007	AG	−0.0180		GCVS 87	-Ir	1)
DK Per	51924.2951	.0001	RAT RCR					1)
	52279.3514	.0014	AG					1)
DZ Per	52279.6642	.0004	AG					1)
IK Per	51923.3535	.0009	AG	−0.1032		GCVS 87	BV	2)
IM Per	51586.4521	.0005	RAT RCR	+0.0710		GCVS 87		1)
IQ Per	52225.3320	.0010	MON	−0.0016		GCVS 87	-Ir	1)
IU Per	51906.2983	.0007	DIE	+0.0130		GCVS 87		7)
	52622.2991	.0007	DIE	−0.0308	s	GCVS 87		7) 17)
KL Per	51924.4363	.0002	AG					1)
	52253.4526	.0004	AG				-Ir	1)
PS Per	51899.5900	.0003	RAT RCR					1)
QU Per	51926.3574	.0015	RAT RCR					1)
V427 Per	52258.3152	.0002	AG					1)
V432 Per	51901.2965	.0017	AG	−0.0139		BAVM 61	V	2)
V511 Per	51799.5604	.0009	AG				V	2)
UV Psc	51821.5362	.0004	KI	−0.0104		GCVS 87	-Ir	1)
VZ Psc	51825.4071	.0011	KI	−0.0200	s	GCVS 87	-Ir	1)
NSV 361 Psc	51140.3614	.0005	KI				-Ir	1)
	51495.3511	.0006	KI				-Ir	1)
	51840.4126	.0006	KI				-Ir	1)
CU Sge	51769.4176	.0005	KI	+0.0163		GCVS 87	-Ir	1)
DM Sge	51709.4885	.0002	RAT RCR					1)
AS Ser	51660.4476	.0002	RAT RCR	−0.0143		GCVS 87		1)
AU Ser	52041.5684	.0020	PC				-Ir	12)
CC Ser	52049.4356	.0005	AG	−0.0214		GCVS 87	BV	2)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$			Fil	Rem
V335 Ser	51708.4494	.0020	QU	−0.0153		BAVM 110	V	4)
Y Sex	51600.4438	.0007	KI	+0.0166	s	BAVR 1)	-Ir	1)
	51971.3610	.0005	RAT RCR	+0.0204		BAVR 1)		1)
RZ Tau	51586.3220	.0003	KI	+0.0325		GCVS 87	-Ir	1)
	51922.3973	.0003	KI	+0.0348	s	GCVS 87	-Ir	1)
AH Tau	51955.4131	.0002	AG					1)
	52229.5353	.0007	AG					1)
AL Tau	51570.5265	.0005	QU				-Ir	4)
	51839.4881	.0010	QU				V	4)
	51840.4204	.0004	QU				V	4)
CR Tau	51602.3741	.0003	AG	+0.0010		BAVM 123		1)
	51985.3708	.0003	AG	+0.0010		BAVM 123		1)
CU Tau	51600.330 :	.004	MZ	−0.057		GCVS 87		6)
	51780.6152	.0020	HSR	+0.0885		GCVS 87		15)
	51955.3230	.0004	AG	+0.0150		GCVS 87		1)
	52229.4500	.0014	AG	+0.0157		GCVS 87		1)
	52229.6571	.0006	AG	+0.0167	s	GCVS 87		1)
	52304.3257	.0005	AG	+0.0734	s	GCVS 87	-Ir	1)
EN Tau	51558.4041	.0005	QU	−0.0040		GCVS 87	-Ir	4)
	51610.4405	.0004	QU	−0.0068		GCVS 87	V	4)
	51952.4133	.0002	AG	−0.0060		GCVS 87		1)
	52253.5030	.0019	JU	−0.0004		GCVS 87		4)
	52258.4565	.0010	MON	−0.0030		GCVS 87	-Ir	1)
EQ Tau	51899.3656	.0004	KI	−0.0246		GCVS 87	-Ir	1)
	52225.3522	.0004	FR	−0.0258		GCVS 87	-Ir	5)
	52225.5235	.0002	FR	−0.0252	s	GCVS 87	-Ir	5)
	52252.3180	.0003	FR	−0.0265		GCVS 87	-Ir	5)
GR Tau	51885.3014	.0011	DIE	−0.0266		BAVR 5)		7) 17)
	51885.3014	.0011	DIE	−0.0266		BAVR 5)		7)
	51900.3453	.0012	DIE	−0.0275		BAVR 5)		7)
	51900.3453	.0012	DIE	−0.0275		BAVR 5)		7) 17)
	51924.4202	.0010	QU	−0.0244		BAVR 5)	V	4)
	51925.2819	.0002	DIE	−0.0224		BAVR 5)		7)
	51925.2819	.0002	DIE	−0.0224		BAVR 5)		7) 17)
	52308.2767	.0004	WTR	−0.0262		BAVR 5)		13)
X Tri	51899.3675	.0004	QU	−0.0420		GCVS 87	V	4)
	52202.4818	.0004	MON	−0.0466		GCVS 87	-Ir	1)
	52278.2600	.0004	WTR	−0.0482		GCVS 87		7)
W UMa	51955.3434	.0012	JU	−0.0378		GCVS 87		4)
TY UMa	51927.5101	.0001	RAT RCR	−0.0107		GCVS 87		1)
	52002.4983	.0031	PC	−0.0074	s	GCVS 87	-Ir	12)
UX UMa	51966.4360	.0002	RAT RCR	+0.0014		GCVS 87		1)
UY UMa	51671.4867	.0003	AG	+0.0679		GCVS 87		1)
	51956.5095	.0004	AG	+0.0705		GCVS 87		1)
	52041.4825	.0064	PC	+0.0639		GCVS 87	-Ir	12)
	52337.4173	.0003	AG	+0.0741		GCVS 87		1)
	52337.6079	.0002	AG	+0.0767	s	GCVS 87		1)
VV UMa	51556.2793	.0005	DIE	−0.0550		GCVS 87		7)
	51578.2752	.0003	DIE	−0.0552		GCVS 87		7)
AA UMa	52032.4033	.0005	RAT RCR	+0.0186		GCVS 87		1)
AH Vir	51996.3987		SIR	−0.0799		GCVS 87	-Ir	8)
	52021.4684		SIR	−0.0727	s	GCVS 87	-Ir	8)
	52039.3993		SIR	−0.0728	s	GCVS 87	-Ir	8)
AW Vir	51685.4131	.0003	KI	+0.0145	s	GCVS 87	-Ir	1)
	52042.4167	.0003	KI	+0.0122		GCVS 87	-Ir	1)
AZ Vir	51678.4216	.0006	KI	−0.0169	s	GCVS 87	-Ir	1)
	52038.3964	.0003	KI	−0.0224		GCVS 87	-Ir	1)
BH Vir	52041.3814	.0003	KI	−0.0048		GCVS 87	-Ir	1)
HW Vir	51616.4884	.0002	QU				V	4)
	51669.3575	.0003	HSR					16)

Table 1: Eclipsing binaries (cont.)

Variable	Min JD 24...	±	Obs	$O-C$		Fil	Rem
HW Vir	51674.3814	.0002	KI			-Ir	1)
	52001.3711	.0002	AG			V	2)
	52001.4292	.0001	AG			V	2)
	52001.4878	.0004	AG			V	2)
	52001.5460	.0001	AG			V	2)
	52001.6041	.0002	AG			V	2)
Z Vul	51770.5092		DDH	−0.0013	GCVS 87		4)
AB Vul	52073.4467	.0002	AG				1)
AY Vul	51705.4905	.0020	HSR	−0.0251	GCVS 87		16)
BK Vul	52137.4143	.0008	AG	+0.0790	GCVS 87		1)
ER Vul	52141.424	.003	AG			V	1)
HI Vul	52094.4834	.0010	AG	−0.0514	GCVS 87		1)

Table 2: Pulsating stars

Variable	Max JD 24...	±	Obs	$O-C$		Fil	Rem
SW And	51917.4008	.0010	MZ	−0.0211	BAVM 78	-Ir	6)
	52225.2199	.0010	MON	−0.0195	BAVM 78	-Ir	1)
XX And	51900.4951	.0042	ATB	+0.1969	GCVS 85		1)
	52190.3222	.0017	JU	+0.2024	GCVS 85		4)
CI And	51879.5134	.0028	ATB				1)
GP And	51768.528 :		DDH	+0.009	GCVS 85		4)
	51770.4086	.0007	HSR	+0.0013	GCVS 85		15)
	51811.4026		SIR	+0.0016	GCVS 85	-Ir	9)
	51882.3765	.0013	MZ	+0.0036	GCVS 85	-Ir	6)
	51882.458	.003	MZ	+0.007	GCVS 85	-Ir	6)
	51900.2346	.0008	KI	+0.0008	GCVS 85	-Ir	1)
	52257.2963	.0004	MZ	+0.0004	GCVS 85	-Ir	11)
	52257.3754	.0004	MZ	+0.0008	GCVS 85	-Ir	11)
	52257.4536	.0004	MZ	+0.0003	GCVS 85	-Ir	11)
OV And	52267.2017	.0011	MZ	−0.0139	MVS11,133	-Ir	11) red
SW Aqr	51840.293	.001	MZ	−0.012	GCVS 85	-Ir	6)
	51840.3019	.0028	KI	−0.0029	GCVS 85	-Ir	1)
SX Aqr	51798.3798	.0012	KI	+0.0083	BAVR 11)	-Ir	1)
BR Aqr	51798.5131	.0009	KI	−0.1150	GCVS 85	-Ir	1)
CP Aqr	51821.3122	.0005	KI	−0.0823	GCVS 85	-Ir	1)
CY Aqr	51747.5215		DDH	+0.0125	GCVS 85		4)
	51855.376 :	.002	MZ	+0.012	GCVS 85	-Ir	6)
	51873.323 :	.001	MZ	+0.014	GCVS 85	-Ir	6)
	51873.383 :	.001	MZ	+0.013	GCVS 85	-Ir	6)
	51887.2366	.0004	KI	+0.0109	GCVS 85	-Ir	1)
	52199.4480	.0008	MZ	+0.0113	GCVS 85	-Ir	11)
	52253.2842	.0005	MZ	+0.0116	GCVS 85	-Ir	11)
HH Aqr	52189.375	.003	AG				1)
X Ari	52225.4087	.0010	MON	+0.0184	BAVR 15)	-Ir	1)
RV Ari	51922.2578	.0007	KI	+0.0098	GCVS 85	-Ir	1)
	52224.4520	.0010	MON	+0.0028	GCVS 85	-Ir	1)
	52288.4257	.0007	MZ	−0.0026	GCVS 85	-Ir	11)
	52322.3252	.0002	MZ	−0.0019	GCVS 85	-Ir	11)
TZ Aur	51952.3952		WTR	+0.0124	GCVS 85		13)
	52279.4415	.0008	MON	+0.0104	GCVS 85	-Ir	1)
RS Boo	52042.4080	.0020	MZ	+0.0084	BAVR 7)	-Ir	11)
	52042.4117		WTR	+0.0121	BAVR 7)		13)
SZ Boo	52056.435	.005	PS				3)
TW Boo	52053.3816		WTR	−0.0142	SAC 72		13)
	52054.4477	.0006	MZ	−0.0127	SAC 72	-Ir	11)
UU Boo	52095.4957	.0010	MZ	+0.1345	GCVS 85	-Ir	11)
XX Boo	51975.6294	.0070	HSR	+0.0194	GCVS 85		10)

Table 2: Pulsating stars Table 2: (cont.)

Variable	Max JD 24...	±	Obs	$O-C$		Fil	Rem
YZ Boo	51640.4443	.0010	HSR	+0.0026	GCVS 85		16)
	51660.4299	.0010	HSR	+0.0026	GCVS 85		16)
	51810.3221	.0014	ATB	+0.0030	GCVS 85		1)
	52042.4458	.0015	MON	+0.0025	GCVS 85		1)
	52055.4573	.0014	MON	+0.0026	GCVS 85		1)
	52055.4579	.0015	JU	+0.0032	GCVS 85		4)
	52055.5609	.0014	MON	+0.0021	GCVS 85		1)
	52081.4819	.0020	MZ	+0.0042	GCVS 85	-Ir	11)
CM Boo	52094.489 :	.004	MZ	−0.052	GCVS 85	-Ir	11)
CQ Boo	52041.413 :	.001	MZ	+0.000	BAVR 15)	-Ir	11)
RW Cnc	51974.6204	.0020	HSR	+0.1723	GCVS 85		10)
	52345.625	.002	AG	+0.176	GCVS 85	-Ir	1)
SS Cnc	50841.3022	.0016	FR	+0.0478	GCVS 85		5)
	51901.4380	.0010	QU	+0.0464	GCVS 85	V	4)
	52252.6090	.0016	PC	+0.0424	GCVS 85	-Ir	12)
	52258.4900	.0010	FR	+0.0460	GCVS 85	-Ir	5)
AQ Cnc	51910.3865	.0010	QU	−0.0622	GCVS 85	V	4)
	51956.4631	.0008	KI	−0.0613	GCVS 85	-Ir	1)
W CVn	51956.5355		SIR	−0.0135	SAC 70	-Ir	9)
SV CVn	51975.5592	.0065	HSR				10)
UV CVn	51920.7452	.0045	HSR	+0.0463	GCVS 85		10)
VW CVn	51927.571 :	.005	AG	+0.026	BAVR 14)		1)
	52278.620	.004	AG	+0.046	BAVR 14)		1)
	52344.481	.004	AG	+0.036	BAVR 14)	-Ir	1)
X CMi	51956.457	.005	PS	+0.018	BAVR 9)		3)
AD CMi	52306.405 :	.000	MZ	+0.010	GCVS 85	-Ir	11)
GM Cas	51348.373		BRN STK				4)
PS Cas	51867.628	.005	AG	+0.176	GCVS 85		1)
	52179.522	.005	AG	+0.185	GCVS 85		1)
	52183.515	.005	AG	+0.185	GCVS 85		1)
V470 Cas	51867.515	.002	AG	+0.146	BAVM 87		1)
AQ Cep	52279.5344	.0043	PC			-Ir	12)
EL Cep	52197.608	.007	AG				1)
	52198.441	.007	AG				1)
RZ Cet	51926.2636	.0011	KI	−0.0814	GCVS 85	-Ir	1)
S Com	52000.401	.003	PS	+0.268	SAC 72		3)
Z Com	52000.587	.002	PS				3)
RY Com	51974.4992	.0035	HSR	+0.0209	GCVS 85		10)
	51990.4398	.0035	HSR	+0.0171	GCVS 85		10)
BS Com	51974.5822	.0025	HSR				10)
RV CrB	51975.5559	.0060	HSR	+0.1499	GCVS 85		10)
	52060.4327	.0015	QU	+0.1461	GCVS 85	V	14)
	52120.4436	.0030	MZ	+0.1437	GCVS 85	-Ir	11)
SZ CrB	51679.5874	.0035	HSR	−0.1704	GCVS 85		16)
	51975.6852	.0014	HSR	−0.1611	GCVS 85		10)
Antipin V23 CrB	51615.593	.005	PS				3)
UY Cyg	51830.404	.007	ATB	+0.047	GCVS 85		1)
XX Cyg	52084.4457	.0010	JU	+0.0015	GCVS 85		4)
	52089.4355	.0012	JU	+0.0012	GCVS 85		4)
	52090.3802	.0015	MON	+0.0019	GCVS 85		1)
	52090.5160	.0015	MON	+0.0029	GCVS 85		1)
	52117.4879	.0008	MON	+0.0017	GCVS 85	-Ir	1)
DM Cyg	52201.4444	.0035	ATB	+0.0458	GCVS 85		1)
V939 Cyg	52049.392	.005	AG	−0.043	BAVM 92		1)
BV Del	51768.573	.007	PS	+0.031	GCVS 85		3)
DX Del	51670.5473	.0025	HSR	+0.0486	GCVS 85		16)
	51810.4424	.0028	ATB	+0.0491	GCVS 85		1)
	51812.3308	.0009	KI	+0.0471	GCVS 85	-Ir	1)
VZ Dra	52143.4207	.0023	JU	−0.0958	GCVS 85		4)
	52144.3889	.0035	JU	−0.0907	GCVS 85		4)

Table 2: Pulsating stars Table 2: (cont.)

Variable	Max JD 24...	±	Obs	$O-C$		Fil	Rem
VZ Dra	52217.2556	.0013	MZ	−0.0979	GCVS 85	-Ir	11) red
DD Dra	51273.6228	.0031	HSR	−0.1184	BAVR 16)		4)
	52121.413	.003	AG	−0.030	BAVR 16)	BV	2)
	52137.410	.002	AG	−0.046	BAVR 16)	BV	2)
RT Equ	52146.551	.007	PS	+0.123	GCVS 85		3)
RR Gem	51925.4070	.0008	MZ	+0.1373	GCVS 85	-Ir	6)
	52224.5756	.0010	MON	+0.1310	GCVS 85	-Ir	1)
SZ Gem	51900.5179	.0006	KI	−0.0397	GCVS 85	-Ir	1)
	52322.4688	.0009	MZ	−0.0457	GCVS 85	-Ir	11)
AK Gem	52279.573	.004	AG	−0.011	GCVS 85	-Ir	1)
GI Gem	51149.5087	.0025	HSR	+0.0706	GCVS 85		16)
	51470.5587	.0035	HSR	+0.0710	GCVS 85		16)
	51553.313	.001	HSR	+0.072	GCVS 85		16)
TW Her	51671.4779		SIR	−0.0076	GCVS 85		9)
	51817.3305	.0014	ATB	−0.0090	GCVS 85		1)
	52039.5122		SIR	−0.0050	GCVS 85	-Ir	9)
	52121.4235	.0030	MZ	−0.0116	GCVS 85	-Ir	11)
	52123.4234	.0007	MZ	−0.0097	GCVS 85	-Ir	11)
VX Her	51798.376	.002	MZ	+0.118	GCVS 85	-Ir	6)
	52073.4134		WTR	+0.1099	GCVS 85		13)
VZ Her	51672.4704		SIR	+0.0494	GCVS 85		9)
	51772.426	.004	PS	+0.051	GCVS 85		3)
	51832.3121	.0017	ATB	+0.0521	GCVS 85		1)
AF Her	52054.4339	.0035	HSR	−0.0963	GCVS 85	-Ir	10)
DY Her	51672.5222	.0014	HSR	−0.0183	GCVS 85		16)
	52075.4608	.0014	JU	−0.0192	GCVS 85		4)
	52085.4183	.0014	JU	−0.0201	GCVS 85		4)
	52151.4102	.0004	MZ	−0.0205	GCVS 85	-Ir	11)
GY Her	51975.7057	.0100	HSR				10)
UU Hya	52338.357	.003	AG				1)
UV Hya	52344.473	.003	AG				1)
CR Hya	52307.556	.003	AG			-Ir	1)
ET Hya	52320.4897	.0002	MZ	+0.1182	GCVS 85	-Ir	11)
CZ Lac	51922.363 :	.003	MZ	−0.092	GCVS 85	-Ir	6)
	52134.587	.003	AG	−0.080	GCVS 85		1)
	52194.677	.007	AG	−0.067	GCVS 85		1)
	52228.367	.002	AG	−0.089	GCVS 85		1)
DE Lac	51671.5403	.0025	HSR	+0.0243	GCVS 85		16)
	51704.5269	.0025	HSR	+0.0308	GCVS 85		16)
	52123.3706	.0015	MON	+0.0267	GCVS 85	-Ir	1)
HY Lac	52144.397	.005	AG				1)
IV Lac	52228.401	.003	AG				1)
RR Leo	52052.4202	.0008	MZ	+0.0089	SAC 72	-Ir	11)
RX Leo	51974.6268	.0030	HSR	+0.0727	GCVS 85		10)
SS Leo	51974.5104	.0006	KI	−0.0225	GCVS 85	-Ir	1)
ST Leo	51956.638	.003	PS	−0.009	GCVS 85		3)
SZ Leo	51957.532	.004	PS	−0.205	GCVS 85		3)
WW Leo	52338.412	.003	AG	+0.030	GCVS 85		1)
	52344.441	.003	AG	+0.031	GCVS 85		1)
	52347.456	.003	AG	+0.032	GCVS 85		1)
V LMi	51974.5712	.0025	HSR				10)
Y LMi	52279.7396	.0090	HSR	−0.1066	GCVS 85		15)
TV Lib	52052.4075	.0008	KI	−0.0036	GCVS 85	-Ir	1)
EH Lib	51670.3939	.0007	HSR	+0.0021	GCVS 85		16)
	51670.4823	.0006	HSR	+0.0021	GCVS 85		16)
	52084.4315	.0010	MZ	+0.0005	GCVS 85	-Ir	11)
SZ Lyn	51907.4654	.0006	MZ	+0.0196	GCVS 85	-Ir	6)
	52053.4294	.0006	MZ	+0.0158	GCVS 85	-Ir	11)
	52202.6467	.0010	MON	+0.0109	GCVS 85	-Ir	1)
	52209.5192	.0010	MON	+0.0129	GCVS 85	-Ir	1)

Table 2: Pulsating stars Table 2: (cont.)

Variable	Max JD 24...	±	Obs	$O-C$		Fil	Rem
AN Lyn	52225.5922	.0012	MON			-Ir	1)
WW Lyr	52147.464	.005	AG				1)
CN Lyr	52094.4551	.0034	JU	+0.0055	BAVR 8)		4)
	52150.3940	.0014	MZ	−0.0037	BAVR 8)	-Ir	11)
	52187.428 :	.004	MZ	+0.006	BAVR 8)	-Ir	11)
EN Lyr	52147.551	.005	AG				1)
EZ Lyr	52190.3870	.0028	ATB	+0.0209	SAC 58		1)
FN Lyr	51811.5520	.0021	ATB	+0.0164	GCVS 85		1)
IO Lyr	51812.3653	.0028	ATB	−0.0163	GCVS 85		1)
	52093.4164	.0020	JU	−0.0240	GCVS 85		4)
	52112.4641	.0020	JU	−0.0214	GCVS 85		4)
	52175.3685	.0075	JU	−0.0233	GCVS 85		4)
KX Lyr	51874.3508	.0035	ATB				1)
	52183.4228	.0021	ATB				1)
NR Lyr	51853.3264	.0056	ATB				1)
QV Lyr	52199.3112	.0005	RAT RCR				1)
V535 Mon	51922.4786	.0009	KI			-Ir	1)
V567 Oph	51669.592	.002	HSR	−0.069	GCVS 85		16)
VV Peg	51817.4286	.0010	ATB	−0.0319	GCVS 87		1)
AE Peg	51901.2001	.0008	KI	+0.2142	GCVS 87	-Ir	1)
	51920.1200	.0007	KI	−0.2375	GCVS 87	-Ir	1)
AO Peg	51837.2957	.0012	KI	−0.0017	BAVR 13)	-Ir	1)
AV Peg	51811.4091	.0005	KI	+0.0641	GCVS 87	-Ir	1)
	52135.4261	.0002	MZ	+0.0702	GCVS 87	-Ir	11)
	52188.5186	.0035	ATB	+0.0717	GCVS 87		1)
	52196.3250	.0010	MON	+0.0706	GCVS 87	-Ir	1)
	52196.3287	.0003	WTR	+0.0743	GCVS 87		7)
BF Peg	52228.3803	.0056	ATB	+0.1181	GCVS 87		1)
BH Peg	51879.314 :	.001	MZ	−0.072	GCVS 87	-Ir	6)
	52193.3937	.0008	MZ	−0.0792	GCVS 87	-Ir	11)
BP Peg	51817.3072	.0006	KI	+0.0421	GCVS 87	-Ir	1)
	51832.535	.006	ATB	+0.043	GCVS 87		1)
	52118.4413	.0009	MON	+0.0415	GCVS 87	-Ir	1)
	52118.5451	.0009	MON	+0.0357	GCVS 87	-Ir	1)
	52213.3063	.0003	MZ	+0.0419	GCVS 87	-Ir	11)
	52217.3567	.0004	MZ	+0.0392	GCVS 87	-Ir	11)
CG Peg	52195.3101	.0010	MON	−0.0142	SAC 72	-Ir	1)
	52195.3133	.0006	WTR	−0.0110	SAC 72		7)
	52237.3500	.0028	ATB	−0.0168	SAC 72		1)
DH Peg	51840.408	.002	MZ	−0.003	GCVS 87	-Ir	6)
DY Peg	51758.5270		DDH	−0.0016	GCVS 87		4)
	51873.4569	.0009	MZ	−0.0036	GCVS 87	-Ir	6)
	51874.2607	.0009	KI	−0.0020	GCVS 87	-Ir	1)
	52112.4373	.0008	MON	−0.0027	GCVS 87	V	1)
	52112.5097	.0008	MON	−0.0032	GCVS 87	V	1)
	52120.5319	.0008	MON	−0.0029	GCVS 87	V	1)
	52120.6046	.0008	MON	−0.0032	GCVS 87	V	1)
	52202.4296	.0001	MZ	−0.0014	GCVS 87	-Ir	11)
DZ Peg	51902.2556	.0009	KI	−0.0034	SAC 72	-Ir	1)
ES Peg	51812.6068	.0014	ATB				1)
AR Per	51923.482	.001	MZ	+0.045	GCVS 87	-Ir	6)
	52267.3222	.0017	MZ	+0.0423	GCVS 87	-Ir	11)
	52267.3271	.0011	JU	+0.0473	GCVS 87		4)
ET Per	52179.524	.004	AG	−0.013	BAVR 13)		1)
	52183.464	.004	AG	−0.013	BAVR 13)		1)
RU Psc	51901.393 :	.004	MZ	−0.016	GCVS 87	-Ir	6)
	52258.373 :	.002	MZ	+0.153	GCVS 87	-Ir	11)
SS Psc	51887.3692	.0012	KI	−0.0833	GCVS 87	-Ir	1)
	52202.5157	.0041	PC	−0.0699	GCVS 87	-Ir	12)
	52228.4252	.0008	MZ	−0.0618	GCVS 87	-Ir	11)

Table 2: Pulsating stars Table 2: (cont.)

Variable	Max JD 24...	±	Obs	$O-C$		Fil	Rem
SS Psc	52264.3856	.0015	JU	−0.0754	GCVS 87		4)
GW Sge	52087.519	.004	AG				1)
BH Ser	51975.6281	.0017	HSR	+0.0571	GCVS 87		10)
	52049.4992	.0010	QU	+0.0542	GCVS 87	V	14)
	52092.5177	.0018	MZ	+0.0519	GCVS 87	-Ir	11)
UU Tri	51564.2934	.0100	PS			R	3)
UX Tri	51810.5809	.0028	ATB				1)
	51817.5708	.0069	ATB				1)
	51853.5399	.0035	ATB				1)
	51854.4687	.0021	ATB				1)
	51904.4160	.0056	ATB				1)
	51921.2761	.0028	ATB				1)
	51926.4039	.0028	ATB				1)
	51927.3355	.0049	ATB				1)
	51934.3279	.0069	ATB				1)
	51948.3021	.0083	ATB				1)
	51983.3466	.0042	ATB				1)
	52191.6007	.0017	ATB				1)
	52198.5891	.0035	ATB				1)
	52213.5110	.0070	ATB				1)
	52224.2966	.0010	MON			-Ir	1)
	52228.4968	.0028	ATB				1)
	52233.6315	.0025	ATB				1)
	52280.3159	.0008	MZ			-Ir	11)
VX Tri	52228.3956	.0020	FR			-Ir	5)
RV UMa	52001.4749	.0035	JU	+0.0030	SAC 72		4)
	52002.4073	.0035	JU	−0.0008	SAC 72		4)
	52003.3444	.0036	JU	+0.0002	SAC 72		4)
AE UMa	52025.4245	.0007	JU	+0.0007	GCVS 87		4)
	52050.4524	.0010	JU	−0.0024	GCVS 87		4)
	52051.3986	.0014	JU	−0.0025	GCVS 87		4)
ST Vir	52040.3910	.0004	KI	+0.0846	GCVS 87	-Ir	1)
UU Vir	51644.4040	.0015	HSR	−0.0144	GCVS 87		16)
BC Vir	52049.4329	.0009	KI	+0.0489	GCVS 87	-Ir	1)
BN Vul	52123.5020	.0022	PC	−0.0215	SAC 72	-Ir	12)
	52123.5020	.0022	PC	−0.0215	SAC 72	-Ir	12)
	52151.4248	.0015	JU	−0.0232	SAC 72		4)
	52176.3783	.0014	MZ	−0.0234	SAC 72	-Ir	11)
	52198.360	.001	JU	−0.024	SAC 72		4)
FH Vul	51708.5649	.0020	HSR	−0.0246	BAVR 13)		16)

Remarks:

AG :	Agerer, F., Tiefenbach	ATB:	Achterberg, Dr. H., Norderstedt
BRN:	Brauner, B., Herford	DDH:	Diederich, H., Darmstadt
DIE:	Dietrich, M., Radebeul	FR :	Frank, P., Velden
HSR:	Husar, Dr. D., Hamburg	JU :	Jungbluth, Dr. H., Karlsruhe
KI :	Kleikamp, W., Marl	MON:	Monninger, G., Gemmingen
MS :	MS: Moschner, W., Lennestadt	MZ :	Maintz, G., Bonn
PC :	Poschinger, K., Hamburg	PS :	Paschke, A. Rüti (CH)
QHL:	Quehl, Dr. W., Kornwestheim	QU :	Quester, W., Esslingen
RAT:	Rätz, M. Herges-Hallenberg	RCR:	Rätz, Ch. Herges-Hallenberg
RTZ:	Rätz, S. Herges-Hallenberg	SIR:	Schirmer, J., Fredenbeck
STK:	Strunk, J., Leopoldshöhe	WTR:	Walter, F., München

Remarks (cont.):

: = uncertain
s = secondary minimum
red = reduced results
=
1) = photometer ST-6, uncoated, filter V/ B/ -Ir
2) = photometer EMI 9781A, filter V=GG495,1mm
= B=BB12,1mm+GG385,2mm / U=UG1, 2mm
3) = photometer Cryocam 80A, without filter
4) = photometer ST-7, filter V / R / -Ir=KG5/2 / Ic / or non
5) = photometer OES-LcCCD11, filter -Ir or without filter
6) = photometer LC14, filter -Ir
7) = photometer pictor 1616XT, without filter
8) = photometer ST-9
9) = photometer AlphaMaxi, filter -Ir
10) = photometer AP7 chip SITe502AB filter -Ir or without filter
11) = photometer AlphaMini, filter -Ir
12) = photometer ST-8E, filter without, -Ir, V/R (Bessel type)
13) = photometer Pictor 416XT filter without
14) = photometer ST-7E filter V; R; -Ir=KG/2; without filter
15) = photometer ST-8E chip: KAF1602E without filter
16) = photometer ST-7 chip: KAF0400 without filter
17) = evaluation: supported by the software MIRA AP
18) = team BCK, OTT, QHL, QU Stuttgart observatory
GCVS *yy* = General Catalogue of Variable Stars, 4th ed. 19*yy*
IBVS *nnnn* = Information Bulletin on Variable Stars No. *nnnn*
MVS vv,ppp = Mitteilungen über Veränderliche Sterne; volume,pages
SAC *vv* = Rocznik Astronomiczny No. *vv*, Krakow (SAC)
BAVM *nnn* = BAV Mitteilungen No. *nnn*
BAVM 51 = IBVS No. 3234
BAVM 53 = IBVS No. 3401
BAVM 55 = IBVS No. 3554
BAVM 57 = IBVS No. 3555
BAVM 61 = IBVS No. 3797
BAVM 63 = IBVS No. 3811
BAVM 64 = IBVS No. 3837
BAVM 65 = IBVS No. 3859
BAVM 67 = IBVS No. 3942
BAVM 71 = IBVS No. 4131
BAVM 72 = IBVS No. 4132
BAVM 73 = IBVS No. 4133
BAVM 82 = IBVS No. 4266
BAVM 87 = IBVS No. 4332
BAVM 89 = IBVS No. 4381
BAVM 94 = IBVS No. 4406
BAVM 97 = IBVS No. 4481
BAVM 110 = IBVS No. 4590
BAVM 115 = IBVS No. 4669
BAVM 123 = IBVS No. 4778
BAVM 132 = IBVS No. 5016
BAVM 133 = IBVS No. 5017

BAVR 1 = BAV Rundbrief 32, 36 ff
BAVR 2 = BAV Rundbrief 32,122 ff
BAVR 3 = BAV Rundbrief 33,152 ff
BAVR 4 = BAV Rundbrief 33,160 ff
BAVR 5 = BAV Rundbrief 35, 1 ff
BAVR 6 = BAV Rundbrief 35, 41 ff
BAVR 7 = BAV Rundbrief 36,157 ff
BAVR 8 = BAV Rundbrief 43, 57 f
BAVR 9 = BAV Rundbrief 44,162 f
BAVR 10 = BAV Rundbrief 47, 33 f
BAVR 11 = BAV Rundbrief 48, 57
BAVR 12 = BAV Rundbrief 49,117
BAVR 13 = BAV Rundbrief 49, 41
BAVR 14 = BAV Rundbrief 49,105
BAVR 15 = BAV Rundbrief 48,189
BAVR 16 = BAV Rundbrief 49, 6
BAVR 17 = BAV Rundbrief 50, 45

ERRATUM FOR IBVS 4912

IBVS No.4912:	UZ Cvn	51245.410	HSR	must be deleted
	SZ Gem	51250.5464	ATB	must be deleted