

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

Number 5802

Konkoly Observatory  
Budapest  
25 October 2007

*HU* ISSN 0374 – 0676

**PHOTOELECTRIC MINIMA OF SELECTED ECLIPSING BINARIES  
AND MAXIMA OF PULSATING STARS**

(BAV MITTEILUNGEN NO. 186)

HÜBSCHER, JOACHIM

Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, 12169 Berlin, Germany

In this 58th compilation of BAV results, photoelectric observations obtained in the years 2006 and 2007 are presented on 473 variable stars giving 735 minima and maxima on eclipsing binaries and 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: Eclipsing binaries**

Variable	M/m	HJD 24. . .	±	Obs	$O - C$	Bibliography	Fil	n	Rem
GK And	Min	53966.5641	.0010	RAT RCR	-0.2834	GCVS 85	-Ir	97	1)
KP And	Min	54025.5598	.0003	RAT RCR			-Ir	179	1)
CX Aqr	Min	53931.5448	.0001	RAT RCR	+0.0076	GCVS 85	-Ir	110	1)
GK Aqr	Min	53932.5567	.0001	RAT RCR			-Ir	104	1)
GS Aqr	Min	53943.488	.002	RAT RCR			-Ir	93	1)
MU Aqr	Min	53934.5075	.0002	RAT RCR			-Ir	92	1)
V346 Aql	Min	53954.4973	.0002	FLG	-0.0098	GCVS 85	o	66	12)
	Min	54307.4266	.0003	QU	-0.0103	GCVS 85	V	52	3)
V417 Aql	Min	53910.4523	.0001	RAT RCR	-0.0541	s BAVR 33,152ff	-Ir	98	1)
XX Aur	Min	54116.3561	.0019	AG	-0.4749	GCVS 85	-Ir	37	1)
ZZ Aur	Min	54116.3480	.0006	AG	+0.0161	GCVS 85	-Ir	36	1)
	Min	54171.3625	.0017	AG	+0.0194	s GCVS 85	-Ir	53	1)
AH Aur	Min	54148.4708	.0009	AG	+0.0610	BAVR 35,41ff	-Ir	30	1)
AP Aur	Min	53759.5025	.0002	RAT RCR	+0.0625	IBVS 3942	-Ir	155	1)
	Min	54114.5094	.0015	AG	+0.0681	s IBVS 3942	-Ir	81	1)
BC Aur	Min	54164.444 :	.002	FR	-0.659	GCVS 85	-Ir	34	8)
CG Aur	Min	54115.2369	.0006	AG	-0.0017	GCVS 85	-Ir	45	1)
CL Aur	Min	54115.3547	.0010	AG	+0.1180	GCVS 85	-Ir	45	1)
	Min	54171.3512	.0009	SCI	+0.1181	GCVS 85	o	43	2)
EM Aur	Min	54172.3883	.0004	WN	+0.0329	s AA 54.207	V	108	11)
GI Aur	Min	54148.2957	.0019	AG			-Ir	31	1)
HL Aur	Min	53780.4594	.0003	RAT RCR	-0.0103	GCVS 85	-Ir	51	1)
HP Aur	Min	54115.4290	.0008	AG	-0.6591	GCVS 85	-Ir	45	1)
HW Aur	Min	53990.5597	.0004	MS FR	+0.0169	IBVS 5016	o	594	5)

Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
IZ Aur	Min	53999.5766	.0003	MS FR			o	328	5)
	Min	54115.2510	.0003	MS FR			o	469	5)
KU Aur	Min	53814.3799	.0001	RAT RCR	+0.0232	GCVS 85	-Ir	75	1)
MN Aur	Min	52619.6790	.0020	AG	-0.0573	GCVS 85	-Ir	130	1)
	Min	54154.4351	.0004	AG	-0.1241	GCVS 85	-Ir	234	1)
MO Aur	Min	54176.3557	.0052	AG	+0.0941	BAVM 68	-Ir	24	1)
V364 Aur	Min	54024.4794	.0002	MS FR			o	354	5)
V402 Aur	Min	54115.5200	.0060	AG			-Ir	45	1)
V404 Aur	Min	53991.5634	.0003	MS FR			o	432	5)
	Min	54116.4121	.0022	AG			-Ir	36	1)
	Min	54171.4847	.0032	AG			-Ir	53	1)
V410 Aur	Min	54115.2750	.0025	AG			-Ir	45	1)
	Min	54115.4596	.0001	AG			-Ir	45	1)
NSV 1998	Min	52688.3872	.0008	FR			o	30	8)
SU Boo	Min	54185.4972	.0006	AG	+0.0301	GCVS 85	-Ir	31	1)
TU Boo	Min	53867.5026	.0003	RAT RCR	+0.0461	GCVS 85	-Ir	117	1)
TY Boo	Min	54185.3719	.0023	AG	-0.0222	s BAVM 68	-Ir	30	1)
	Min	54185.5302	.0039	AG	-0.0224	BAVM 68	-Ir	30	1)
TZ Boo	Min	54240.3966	.0001	WTR	-0.0231	BAVM 68	-Ir	70	10)
	Min	53818.5391	.0003	RAT RCR	-0.0566	BAVM 68	-Ir	117	1)
	Min	53862.3720	.0001	RAT RCR	-0.0543	s BAVM 68	-Ir	81	1)
XY Boo	Min	54259.5269	.0007	AG	-0.0493	BAVM 68	-Ir	42	1)
	Min	53813.4192	.0004	RAT RCR	+0.0868	s GCVS 85	-Ir	67	1)
YY Boo	Min	54239.3957	.0002	WTR	-0.0654	s GCVS 85	-Ir	59	10)
	Min	54203.4437	.0009	AG	-0.1056	GCVS 85	-Ir	27	1)
AC Boo	Min	53860.4008	.0001	RAT RCR	+0.0074	AA 54.207	-Ir	63	1)
	Min	54170.5550	.0004	QU	+0.0103	AA 54.207	V	44	3)
	Min	54210.3819	.0004	QU	+0.0109	AA 54.207	Ic	46	3)
	Min	54218.4880	.0005	JU	+0.0108	AA 54.207	o	63	2)
CV Boo	Min	54220.4258	.0005	FLG	+0.0102	s AA 54.207	o	150	12)
	Min	53863.3731	.0002	RAT RCR	-0.0109	BAVR 49,117	-Ir	52	1)
ET Boo	Min	54206.4062	.0003	QU	-0.0102	BAVR 49,117	V	47	3)
	Min	54186.4736	.0022	SCI			o	152	2)
EW Boo	Min	54219.3721	.0014	JU			o	53	2)
	Min	54200.5408	.0020	SCI			o	156	2)
FI Boo	Min	54259.4568	.0010	AG			-Ir	43	1)
	Min	54221.4135	.0058	JU			o	88	2)
GM Boo	Min	53815.4769	.0004	RAT RCR			-Ir	150	1)
	Min	54186.5265	.0009	AG			-Ir	21	1)
	Min	54201.5136	.0012	AG			-Ir	31	1)
	Min	54213.4318	.0027	AG			-Ir	21	1)
GN Boo	Min	53858.3579	.0004	RAT RCR			-Ir	68	1)
	Min	54185.4454	.0015	AG			-Ir	30	1)
	Min	54185.5960	.0021	AG			-Ir	30	1)
	Min	54201.4298	.0027	AG			-Ir	31	1)
	Min	54213.3446	.0004	AG			-Ir	21	1)
GQ Boo	Min	54213.4947	.0008	AG			-Ir	21	1)
	Min	54186.5145	.0031	AG			-Ir	22	1)
	Min	54201.5208	.0012	AG			-Ir	31	1)
GR Boo	Min	54213.4402	.0022	AG			-Ir	21	1)
	Min	54186.3574	.0044	AG			-Ir	25	1)
	Min	54186.5449	.0028	AG			-Ir	25	1)
	Min	54201.4224	.0008	AG			-Ir	31	1)
GS Boo	Min	54213.4770	.0035	AG			-Ir	21	1)
	Min	54185.4351	.0011	AG			-Ir	28	1)
i Boo	Min	54197.5025	.0035	SCI	-0.0109	GCVS 85	o	84	2)
	Min	54217.4419	.0018	JU	-0.0237	s GCVS 85	o	68	2)
U1200-07442402	Min	54185.5216	.0038	AG			-Ir	30	1)
Y Cam	Min	53758.3911	.0002	RAT RCR	+0.2942	GCVS 85	-Ir	92	1)
SV Cam	Min	54206.3812	.0018	WN	+0.0495	GCVS 85	V	200	11)

Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
SV Cam	Min	54209.3444	.0019	WN	+0.0473	GCVS 85	V	97	11)
AO Cam	Min	53809.3529	.0001	RAT RCR	+0.0044	s GCVS 85	-Ir	65	1)
RY Cnc	Min	54150.3621	.0020	AG	+0.0574	s GCVS 85	-Ir	16	1)
TU Cnc	Min	54202.4358	.0007	AG	+0.0325	AA 54.207	-Ir	19	1)
TX Cnc	Min	54150.2674	.0001	AG	+0.0368	GCVS 85	-Ir	16	1)
	Min	54172.4725	.0064	AG	+0.0348	GCVS 85	-Ir	34	1)
WW Cnc	Min	54175.4928	.0007	AG	-0.0689	BAVR 32,36ff	-Ir	53	1)
WY Cnc	Min	54179.4232	.0001	WN	-0.0295	GCVS 85	V	113	11)
XZ Cnc	Min	54174.3388	.0001	WTR			-Ir	100	10)
AB Cnc	Min	54202.4113	.0011	AG			-Ir	21	1)
AC Cnc	Min	54202.4573	.0003	AG			-Ir	17	1)
AD Cnc	Min	54202.3869	.0053	AG			-Ir	18	1)
EH Cnc	Min	54150.2490:	.0040	AG			-Ir	16	1)
GW Cnc	Min	54172.2949	.0044	AG			-Ir	41	1)
	Min	54172.4346	.0019	AG			-Ir	41	1)
	Min	54172.5766	.0019	AG			-Ir	41	1)
DH CVn	Min	54205.5088	.0008	AG			-Ir	46	1)
DI CVn	Min	54205.4860	.0005	AG			-Ir	47	1)
RS CMi	Min	54149.4416	.0012	AG			-Ir	25	1)
RW CMi	Min	54153.2996	.0009	AG			-Ir	18	1)
TX CMi	Min	54149.3936	.0027	AG			-Ir	22	1)
	Min	54153.2860	.0006	AG			-Ir	15	1)
	Min	54200.3820	.0002	AG			-Ir	17	1)
UZ CMi	Min	54149.3431	.0014	AG			-Ir	23	1)
	Min	54200.3433	.0002	AG			-Ir	17	1)
XZ CMi	Min	54149.3702	.0020	AG	+0.2828	GCVS 85	-Ir	22	1)
YY CMi	Min	54148.3517	.0002	WTR	+0.0143	GCVS 85	-Ir	79	10)
AK CMi	Min	54149.3824	.0022	AG	+0.2594	GCVS 85	-Ir	26	1)
AM CMi	Min	54149.4487	.0071	AG	+0.1711	s GCVS 85	-Ir	21	1)
BF CMi	Min	54153.3309	.0033	AG			-Ir	18	1)
U0900-05269593	Min	54149.3924	.0039	AG			-Ir	22	1)
AL Cas	Min	53749.3951	.0004	RAT RCR	-0.0024	s GCVS 85	-Ir	80	1)
CW Cas	Min	53942.5350	.0001	RAT RCR	+0.0667	GCVS 85	-Ir	73	1)
DZ Cas	Min	54019.5003	.0004	RAT RCR	-0.1672	GCVS 85	-Ir	152	1)
EG Cas	Min	54026.5209	.0003	RAT RCR	+0.1253	s GCVS 85	-Ir	200	1)
EN Cas	Min	54192.4773	.0118	SCI	+0.2624	GCVS 85	o	145	2)
GK Cas	Min	54212.5234	.0026	SCI	+0.6839	GCVS 85	o	42	2)
GR Cas	Min	54024.3345	.0003	MS FR			o	333	5)
MR Cas	Min	54115.3740	.0019	JU			o	72	2)
	Min	54122.3382	.0009	JU			o	59	2)
	Min	54126.4695	.0040	JU			o	41	2)
	Min	54147.3599	.0028	SCI			o	31	2)
	Min	54147.3610	.0019	JU			o	75	2)
	Min	54147.5779	.0028	SCI			o	31	2)
MT Cas	Min	54205.3900	.0014	SCI			o	33	2)
OR Cas	Min	54025.3303	.0002	MS FR	-0.0204	GCVS 85	o	356	5)
V374 Cas	Min	54024.5056	.0002	RAT RCR			-Ir	171	1)
V375 Cas	Min	53992.3255	.0003	MS FR	+0.1841	BAVR 32,36ff	o	484	5)
	Min	54218.4929	.0018	AG	+0.1878	s BAVR 32,36ff	-Ir	44	1)
V381 Cas	Min	54084.3582	.0005	QU	-0.0097	BAVR 32,36ff	V	88	3)
	Min	54091.3426	.0010	QU	-0.0091	BAVR 32,36ff	V	77	3)
V473 Cas	Min	54115.3212	.0016	AG	-0.0192	s IBVS 4669	-Ir	45	1)
	Min	54115.5334	.0006	AG	-0.0147	IBVS 4669 115	-Ir	45	1)
V654 Cas	Min	54193.5126	.0028	SCI			o	258	2)
GSC 3675.1186	Min	54115.3661	.0013	AG			-Ir	50	1)
	Min	54115.5124	.0012	AG			-Ir	50	1)
AV Cep	Min	54223.4870:	.0030	AG			-Ir	146	1)
DK Cep	Min	54241.3903	.0003	AG	+0.0318	GCVS 85	-Ir	58	1)
EG Cep	Min	54213.3592	.0003	AG	+0.0146	GCVS 85	-Ir	56	1)
GI Cep	Min	54216.5438	.0022	AG			-Ir	33	1)

Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
HI Cep	Min	54260.4249	.0030	AG			-Ir	29	1)
IO Cep	Min	54216.4172	.0037	AG	-0.6163	GCVS 85	-Ir	34	1)
IW Cep	Min	54244.4210	.0006	AG			-Ir	38	1)
LP Cep	Min	54216.3937	.0011	AG			-Ir	33	1)
NS Cep	Min	54221.5140	.0057	AG	+0.1453	GCVS 85	-Ir	43	1)
NU Cep	Min	54241.4615	.0005	AG			-Ir	58	1)
NW Cep	Min	54244.4674	.0014	AG	-0.4350	GCVS 85	-Ir	38	1)
RW Com	Min	53764.6054	.0003	RAT RCR	-0.0198	s GCVS 85	-Ir	104	1)
	Min	53817.4154	.0001	RAT RCR	-0.0193	GCVS 85	-Ir	64	1)
	Min	54154.5647	.0011	AG	-0.0199	s GCVS 85	-Ir	13	1)
	Min	54174.5026	.0007	AG	-0.0190	s GCVS 85	-Ir	34	1)
	Min	54174.6226	.0026	AG	-0.0177	GCVS 85	-Ir	34	1)
	Min	54186.3700	.0004	JU	-0.0189	s GCVS 85	o	61	2)
	Min	54216.3932	.0014	SCI	-0.0200	GCVS 85	o	88	2)
	Min	54216.3941	.0003	JU	-0.0191	GCVS 85	o	48	2)
	Min	54216.5117	.0013	SCI	-0.0201	s GCVS 85	o	126	2)
RZ Com	Min	54174.4486	.0007	AG	+0.0405	s GCVS 85	-Ir	35	1)
	Min	54174.6182	.0019	AG	+0.0409	GCVS 85	-Ir	35	1)
	Min	54175.4650	.0004	AG	+0.0414	s GCVS 85	-Ir	31	1)
	Min	54175.6352	.0007	AG	+0.0423	GCVS 85	-Ir	31	1)
UX Com	Min	54176.4175	.0020	AG	-0.0955	BAVM 69	-Ir	30	1)
CC Com	Min	53765.5180	.0002	RAT RCR	-0.0129	s GCVS 85	-Ir	102	1)
	Min	54175.4396	.0002	AG	-0.0160	GCVS 85	-Ir	31	1)
	Min	54175.5505	.0008	AG	-0.0155	s GCVS 85	-Ir	31	1)
	Min	54202.3634	.0001	WTR	-0.0159	GCVS 85	-Ir	69	10)
	Min	54204.3531	.0010	DIE	-0.0124	GCVS 85	o	19	9)
	Min	54206.3358	.0004	DIE	-0.0159	GCVS 85	o	23	9)
	Min	54209.4245	.0009	SCI	-0.0168	GCVS 85	o	60	2)
	Min	54209.5347	.0007	SCI	-0.0169	s GCVS 85	o	53	2)
CM Com	Min	54175.6082	.0052	AG			-Ir	31	1)
CN Com	Min	54175.5299	.0014	AG			-Ir	31	1)
	Min	54200.5349	.0010	FR			-Ir	42	8)
EK Com	Min	54174.5285	.0008	AG			-Ir	34	1)
	Min	54176.3950	.0018	AG			-Ir	31	1)
	Min	54176.5303	.0012	AG			-Ir	31	1)
	Min	54187.4637	.0005	AG			-Ir	23	1)
	Min	54187.5955	.0006	AG			-Ir	23	1)
	Min	54220.3980	.0024	SCI			o	102	2)
LL Com	Min	54176.4052	.0007	AG	-0.0287	IBVS 4386	-Ir	24	1)
	Min	54187.5945	.0006	AG	-0.0291	s IBVS 4386	-Ir	22	1)
LO Com	Min	54154.5761	.0008	AG			-Ir	13	1)
	Min	54174.4773	.0001	AG			-Ir	34	1)
	Min	54174.6205	.0027	AG			-Ir	34	1)
LP Com	Min	54174.5358	.0007	AG			-Ir	34	1)
LT Com	Min	54187.3672	.0006	AG			-Ir	23	1)
RW CrB	Min	54221.5715	.0014	AG	-0.0053	GCVS 85	-Ir	31	1)
TW CrB	Min	54199.5934	.0014	SCI	+0.0068	SAC 70	o	105	2)
YY CrB	Min	54201.4502	.0016	SCI			o	102	2)
	Min	54201.6343	.0017	SCI			o	53	2)
	Min	54259.4387	.0009	JU			o	61	2)
AV CrB	Min	53990.3456	.0003	RAT RCR	-0.0080	s GCVS 2007	-Ir	60	1)
VZ Cru	Min	54277.274	.003	HND			o	72	4)
XY Cru	Min	54276.453	.005	HND			o	57	4)
Y Cyg	Min	54296.4600	.0010	QU	-0.0759	GCVS 85	V	66	3)
WW Cyg	Min	53904.4980	.0001	RAT RCR	+0.0678	GCVS 85	-Ir	130	1)
	Min	54259.5020	.0002	AG	+0.0705	GCVS 85	-Ir	30	1)
WZ Cyg	Min	53920.4919	.0001	RAT RCR	+0.0584	GCVS 85	-Ir	114	1)
	Min	54003.4867	.0001	RAT RCR	+0.0591	GCVS 85	-Ir	161	1)
ZZ Cyg	Min	52862.4194	.0005	AG	-0.0434	GCVS 85	-Ir	51	1)
AE Cyg	Min	53227.4971	.0003	AG	-0.0048	GCVS 85	o	34	1)

Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
BR Cyg	Min	54297.4348	.0004	QU	+0.0002	GCVS 85	V	61	3)
CV Cyg	Min	53966.4496	.0048	FLG	-0.0019	s AA 54.207	o	123	12)
	Min	54034.3030	.0005	RAT RCR	-0.0038	s AA 54.207	-Ir	107	1)
DL Cyg	Min	53999.5466	.0010	RAT RCR			-Ir	190	1)
V370 Cyg	Min	54252.5087	.0005	AG	-0.0225	GCVS 85	-Ir	31	1)
V443 Cyg	Min	54259.4781	.0006	AG			-Ir	30	1)
V453 Cyg	Min	54222.572 :	.005	FR			-Ir	42	8)
V454 Cyg	Min	53993.5051	.0002	RAT RCR			-Ir	130	1)
V496 Cyg	Min	54271.4984	.0007	AG			-Ir	33	1)
V498 Cyg	Min	54262.4536	.0017	AG	+0.1515	GCVS 85	-Ir	20	1)
V505 Cyg	Min	53989.4862	.0003	RAT RCR	+0.0769	s GCVS 85	-Ir	125	1)
	Min	53991.4904	.0003	RAT RCR	+0.0781	s GCVS 85	-Ir	168	1)
V508 Cyg	Min	52862.5056	.0016	AG			-Ir	52	1)
	Min	53607.4575	.0012	AG			-Ir	30	1)
V512 Cyg	Min	54241.5050	.0009	AG			-Ir	28	1)
V513 Cyg	Min	54262.5267	.0016	AG	-0.3294	GCVS 85	-Ir	21	1)
V525 Cyg	Min	52831.4230	.0003	AG			o	32	1)
V534 Cyg	Min	52898.5005	.0002	AG			o	22	1)
V628 Cyg	Min	53935.5048	.0003	RAT RCR	-0.0030	s IBVS 4381	-Ir	124	1)
V726 Cyg	Min	54259.5379	.0011	AG			-Ir	30	1)
	Min	54271.4899	.0015	AG			-Ir	33	1)
V728 Cyg	Min	54260.4833	.0005	AG	+0.0546	GCVS 85	-Ir	29	1)
V749 Cyg	Min	52836.5269	.0007	AG			-Ir	19	1)
	Min	54239.4873	.0023	AG			-Ir	37	1)
V787 Cyg	Min	53985.5308	.0002	RAT RCR	+0.0041	GCVS 85	-Ir	144	1)
V828 Cyg	Min	53990.5232:	.0009	RAT RCR	+0.3250	s GCVS 85	-Ir	105	1)
V841 Cyg	Min	54245.4324	.0011	AG	+0.0060	GCVS 85	-Ir	30	1)
V912 Cyg	Min	54252.3968	.0013	AG	-0.1060	GCVS 85	-Ir	31	1)
V963 Cyg	Min	54252.3746	.0011	AG	-0.0003	GCVS 85	-Ir	32	1)
V1004 Cyg	Min	54252.3868	.0013	AG	-0.1547	GCVS 85	-Ir	31	1)
V1019 Cyg	Min	54024.3730	.0067	FR			-Ir	29	8)
V1048 Cyg	Min	54241.4999	.0023	AG			-Ir	29	1)
V1188 Cyg	Min	54239.4283	.0020	AG			-Ir	36	1)
V1189 Cyg	Min	54241.5048	.0009	AG			-Ir	29	1)
V1191 Cyg	Min	54025.3548	.0003	RAT RCR	+0.0798	s GCVS 85	-Ir	83	1)
V1193 Cyg	Min	54221.5631	.0013	AG			-Ir	42	1)
V1196 Cyg	Min	52836.4858	.0018	AG			-Ir	18	1)
	Min	54260.5287	.0006	AG			-Ir	29	1)
V1305 Cyg	Min	54019.2940	.0007	RAT RCR			-Ir	118	1)
V1326 Cyg	Min	54239.4193	.0006	AG			-Ir	37	1)
V1411 Cyg	Min	53940.4569	.0002	RAT RCR	-0.1767	s GCVS 85	-Ir	135	1)
V1787 Cyg	Min	52836.5217	.0025	AG			-Ir	18	1)
	Min	54239.3648	.0003	AG			-Ir	37	1)
V2240 Cyg	Min	53993.5326	.0007	RAT RCR			-Ir	130	1)
V2277 Cyg	Min	54024.3827	.0003	RAT RCR			-Ir	143	1)
V2280 Cyg	Min	54240.4651	.0011	AG			-Ir	33	1)
V2284 Cyg	Min	54240.4994	.0010	AG			-Ir	32	1)
GSC 3776.0170	Min	52862.5033	.0008	AG			-Ir	51	1)
EX Del	Min	53932.4138	.0002	RAT RCR	-0.0601	GCVS 85	-Ir	45	1)
Z Dra	Min	53813.5121	.0004	RAT RCR	-0.1746	GCVS 85	-Ir	101	1)
RR Dra	Min	54200.5341	.0001	AG	+0.0477	GCVS 85	-Ir	90	1)
RX Dra	Min	54196.3531	.0013	AG	+0.0502	GCVS 85	-Ir	38	1)
RZ Dra	Min	53862.5110	.0003	RAT RCR	+0.0432	GCVS 85	-Ir	56	1)
	Min	54196.3404	.0007	AG	+0.0431	GCVS 85	-Ir	39	1)
	Min	54206.5343	.0017	AG	+0.0458	s GCVS 85	-Ir	79	1)
	Min	54217.5500	.0010	AG	+0.0441	s GCVS 85	-Ir	73	1)
SX Dra	Min	54217.4787	.0009	AG	+0.1029	GCVS 85	-Ir	74	1)
UZ Dra	Min	54204.5710	.0002	AG	+0.0025	GCVS 85	-Ir	153	1)
WW Dra	Min	54136.5301	.0026	SCI	+0.4536	GCVS 85	o	153	2)
	Min	54210.598 :	.002	SCI	+0.447	GCVS 85	o	166	2)

Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
AK Dra	Min	54208.4380	.0003	AG			-Ir	42	1)
AX Dra	Min	53758.5549	.0003	RAT RCR	-0.0017	s BAVR 32,36ff	-Ir	135	1)
	Min	53809.4038	.0001	RAT RCR	-0.0035	BAVR 32,36ff	-Ir	40	1)
	Min	53864.5162	.0001	RAT RCR	-0.0029	BAVR 32,36ff	-Ir	88	1)
	Min	53866.5060	.0004	RAT RCR	-0.0017	s BAVR 32,36ff	-Ir	126	1)
BE Dra	Min	53993.3712	.0002	RAT RCR	+0.1293	GCVS 85	-Ir	68	1)
BS Dra	Min	54187.4820	.0003	AG	+0.0004	GCVS 85	-Ir	76	1)
BU Dra	Min	54199.3627	.0006	AG	+0.0201	MVS 12,4	-Ir	209	1)
FU Dra	Min	53809.5421	.0002	RAT RCR			-Ir	150	1)
GQ Dra	Min	54262.4470	.0023	AG			-Ir	49	1)
GV Dra	Min	54171.5447	.0028	SCI	-0.0080	IBVS 4990	o	140	2)
KK Dra	Min	54202.5301	.0005	AG			-Ir	75	1)
LZ Dra	Min	54187.4947	.0008	AG			-Ir	76	1)
MU Dra	Min	53991.3318	.0003	RAT RCR			-Ir	63	1)
RU Gem	Min	54141.5204	.0016	AG			-Ir	34	1)
RW Gem	Min	54141.4307	.0003	AG	+0.0022	GCVS 85	-Ir	52	1)
WW Gem	Min	54141.3987	.0012	AG	+0.0360	s GCVS 85	-Ir	50	1)
AC Gem	Min	54173.4345	.0057	FR	-0.2395	s GCVS 85	-Ir	29	8)
AF Gem	Min	54141.2971	.0007	AG	-0.0639	GCVS 85	-Ir	31	1)
AL Gem	Min	54141.5406	.0009	AG	+0.0633	GCVS 85	-Ir	31	1)
AV Gem	Min	54116.4849	.0007	AG			-Ir	22	1)
	Min	54149.4705	.0011	AG			-Ir	20	1)
AY Gem	Min	53765.3025	.0002	RAT RCR	-0.0525	GCVS 85	-Ir	68	1)
	Min	54165.3331	.0013	JU	-0.0501	GCVS 85	o	64	2)
	Min	54171.4391	.0002	FR	-0.0514	GCVS 85	-Ir	30	8)
BO Gem	Min	54136.3830	.0012	AG			-Ir	43	1)
	Min	54136.3848	.0003	FR			-Ir	37	8)
CK Gem	Min	54171.4664	.0025	FR			-Ir	29	8)
CP Gem	Min	54148.2791	.0019	FR			-Ir	32	8)
CX Gem	Min	54116.4074	.0031	FR	-0.0210	s GCVS 85	-Ir	39	8)
DP Gem	Min	54019.535 :	.001	MS FR	-0.081	s GCVS 85	o	250	5)
FG Gem	Min	54141.4104	.0020	AG	-0.0283	s GCVS 85	-Ir	31	1)
FT Gem	Min	54116.4089	.0012	AG	-0.0231	GCVS 85	-Ir	22	1)
	Min	54149.3157	.0011	FR	-0.0226	GCVS 85	-Ir	37	8)
GM Gem	Min	54149.3615	.0022	AG			-Ir	20	1)
GP Gem	Min	54116.4624	.0034	AG			-Ir	22	1)
	Min	54148.3673	.0010	JU			o	89	2)
GW Gem	Min	54085.4471	.0002	RAT RCR	+0.0250	GCVS 85	-Ir	35	1)
GZ Gem	Min	54115.2717	.0010	FR			-Ir	33	8)
HR Gem	Min	54093.4396	.0006	RAT RCR			-Ir	35	1)
IM Gem	Min	54116.2781	.0016	FR			-Ir	61	8)
KQ Gem	Min	54150.3953	.0009	FR			-Ir	34	8)
KV Gem	Min	54150.2843	.0002	FR	-0.0069	BAVR 52,95ff	-Ir	46	8)
MU Gem	Min	54149.5246	.0027	FR	+0.0182	GCVS 85	-Ir	39	8)
GSC 1375.1085	Min	54147.4593	.0003	SIR			-Ir	138	7)
	Min	54148.4665	.0003	SIR			-Ir	189	7)
	Min	54173.3694	.0003	SIR			-Ir	100	7)
TU Her	Min	54217.4525	.0017	AG	-0.1717	GCVS 85	-Ir	19	1)
TX Her	Min	54268.4193	.0053	WTR	-0.0058	GCVS 85	-Ir	63	10)
BC Her	Min	53889.5219	.0002	RAT RCR	-0.3814	GCVS 85	-Ir	133	1)
CC Her	Min	54251.5038	.0001	AG	+0.1730	GCVS 85	-Ir	74	1)
DD Her	Min	54271.4623	.0023	AG	+0.3629	SAC 63	-Ir	44	1)
DK Her	Min	54239.4661	.0002	AG	-0.1180	GCVS 85	-Ir	30	1)
DP Her	Min	54239.4858	.0005	AG			-Ir	29	1)
EF Her	Min	54219.5161	.0004	AG			-Ir	19	1)
ES Her	Min	54220.5422	.0038	AG			-Ir	11	1)
GL Her	Min	54221.5864	.0015	SCI	+0.0709	GCVS 85	o	33	2)
	Min	54282.5576	.0007	AG	+0.0728	GCVS 85	-Ir	32	1)
GU Her	Min	54210.5128	.0026	AG	+0.7494	GCVS 85	-Ir	30	1)
LT Her	Min	54218.4095	.0021	SCI	-0.0231	BAVM 69	o	84	2)

Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
LT Her	Min	54244.4224	.0008	AG	-0.0271	BAVM 69	-Ir	47	1)
MT Her	Min	53861.4976	.0002	RAT RCR	+0.0147	GCVS 85	-Ir	127	1)
MX Her	Min	54262.4442	.0006	AG	-0.5233	GCVS 85	-Ir	43	1)
V338 Her	Min	54245.4916	.0005	AG	+0.0778	GCVS 85	-Ir	33	1)
	Min	54296.4149	.0001	WTR	+0.0773	GCVS 85	-Ir	83	10)
V342 Her	Min	54282.4613	.0006	AG	+0.0141	GCVS 85	-Ir	32	1)
V387 Her	Min	54219.4276	.0025	AG	+0.0805	GCVS 85	-Ir	19	1)
V450 Her	Min	54205.4528	.0014	AG	+0.1266	s GCVS 85	-Ir	36	1)
V643 Her	Min	54222.4676	.0030	AG			-Ir	19	1)
	Min	54282.3983	.0010	AG			-Ir	32	1)
V687 Her	Min	54217.4927	.0023	SCI			o	42	2)
V719 Her	Min	54240.5550	.0001	AG			-Ir	26	1)
V728 Her	Min	53116.4350	.0099	AG	+0.0459	s IBVS 3234	o	16	1)
	Min	53858.4766	.0003	RAT RCR	+0.0464	IBVS 3234	-Ir	127	1)
	Min	54240.4604	.0011	AG	+0.0522	s IBVS 3234	-Ir	26	1)
V731 Her	Min	54222.4375	.0035	SCI			o	84	2)
V740 Her	Min	53116.4894	.0002	AG			o	13	1)
V742 Her	Min	54212.4039	.0011	SCI			o	23	2)
V829 Her	Min	54204.4342	.0019	SCI	+0.0164	s IBVS 5496	o	113	2)
	Min	54204.6116	.0014	SCI	+0.0147	IBVS 5496	o	102	2)
	Min	54217.5082	.0045	AG	+0.0179	IBVS 5496	-Ir	12	1)
	Min	54223.4189	.0001	AG	+0.0191	s IBVS 5496	-Ir	27	1)
V842 Her	Min	54297.4523	.0004	JU	-0.0386	BAVR 49,180	o	55	2)
V856 Her	Min	54218.5711	.0014	SCI			o	41	2)
V857 Her	Min	54218.4067	.0020	AG			-Ir	21	1)
V1033 Her	Min	54210.4231	.0014	AG			-Ir	28	1)
	Min	54210.5730	.0002	AG			-Ir	28	1)
	Min	54217.4281	.0012	AG			-Ir	17	1)
V1034 Her	Min	54200.4918	.0009	AG			-Ir	26	1)
V1038 Her	Min	54000.3326	.0002	RAT RCR			-Ir	71	1)
	Min	54217.4252	.0013	AG			-Ir	16	1)
	Min	54217.5588	.0002	AG			-Ir	16	1)
	Min	54218.4999	.0054	AG			-Ir	20	1)
	Min	54223.4586	.0016	AG			-Ir	32	1)
V1039 Her	Min	54219.4172	.0017	AG			-Ir	19	1)
V1047 Her	Min	54217.4796	.0028	AG			-Ir	16	1)
V1054 Her	Min	54219.5206	.0029	AG			-Ir	18	1)
V1055 Her	Min	54240.4255	.0011	AG			-Ir	26	1)
V1057 Her	Min	54219.3895	.0061	AG			-Ir	17	1)
V1062 Her	Min	53116.4174	.0001	AG			o	16	1)
	Min	54245.4916	.0009	AG			-Ir	31	1)
V1067 Her	Min	54245.4315	.0009	AG			-Ir	34	1)
	Min	54245.5597	.0023	AG			-Ir	34	1)
V1073 Her	Min	53897.4145	.0001	RAT RCR			-Ir	42	1)
	Min	54220.5370	.0002	AG			-Ir	11	1)
TY Hya	Min	54171.4597	.0002	AG			-Ir	58	1)
AV Hya	Min	54136.3655	.0011	AG	-0.0891	GCVS 85	-Ir	55	1)
DF Hya	Min	54202.4026	.0036	AG	+0.0161	GCVS 85	-Ir	19	1)
DI Hya	Min	54172.3965	.0003	WTR			-Ir	116	10)
AW Lac	Min	53614.4933	.0026	AG	+0.0336	s BAVR 35,1ff	-Ir	29	1)
	Min	54282.4964	.0010	AG	+0.0380	BAVR 35,1ff	-Ir	28	1)
CN Lac	Min	54019.2717	.0010	MS FR	-0.0201	GCVS 85	o	380	5)
FI Lac	Min	54222.5178	.0017	AG			-Ir	16	1)
IP Lac	Min	54266.4009	.0020	AG			-Ir	15	1)
LY Lac	Min	54244.4170	.0013	AG	+0.2271	GCVS 85	-Ir	36	1)
V339 Lac	Min	53966.3832	.0007	RAT RCR			-Ir	80	1)
RW Leo	Min	54207.4032	.0019	SCI	-0.1031	GCVS 85	o	28	2)
	Min	54207.4065	.0003	AG	-0.0998	GCVS 85	-Ir	48	1)
UU Leo	Min	53764.388 :	.001	RAT RCR	+0.140	GCVS 85	-Ir	60	1)
	Min	54199.4466	.0012	SCI	+0.1483	GCVS 85	o	77	2)

Table 1: (cont.)

Variable	M/m	JD H24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
UU Leo	Min	54199.4478	.0013	AG	+0.1495	GCVS 85	-Ir	26	1)
UV Leo	Min	54204.3933	.0019	WN	+0.0128	IBVS 5338	V	118	11)
	Min	54207.3828	.0016	WN	+0.0019	IBVS 5338	V	149	11)
	Min	54207.3829	.0001	SIR	+0.0020	IBVS 5338	-Ir	677	7)
	Min	54207.3842	.0008	AG	+0.0033	IBVS 5338	-Ir	49	1)
	Min	54213.3840	.0010	WN	+0.0022	IBVS 5338	V	175	11)
UZ Leo	Min	54207.4404	.0005	AG	-0.1283	GCVS 85	-Ir	50	1)
	Min	54216.4035	.0005	QU	-0.1268	s GCVS 85	V	74	3)
VZ Leo	Min	54199.4152	.0012	AG	-0.0641	GCVS 85	-Ir	25	1)
	Min	54211.3999	.0010	SCI	-0.0684	GCVS 85	o	60	2)
XX Leo	Min	54199.3939	.0029	AG	+0.2500	GCVS 85	-Ir	25	1)
XY Leo	Min	54174.4229	.0011	AG	+0.0245	GCVS 85	-Ir	54	1)
	Min	54174.5644	.0009	AG	+0.0239	s GCVS 85	-Ir	54	1)
	Min	54199.4233	.0045	AG	+0.0244	GCVS 85	-Ir	26	1)
XZ Leo	Min	53749.5137	.0002	RAT RCR	+0.0380	GCVS 85	-Ir	116	1)
	Min	54174.5850	.0030	AG	+0.0481	s GCVS 85	-Ir	56	1)
	Min	54199.4564	.0011	AG	+0.0450	s GCVS 85	-Ir	26	1)
AL Leo	Min	54174.4343	.0060	AG	+0.0104	IBVS 3401	-Ir	28	1)
AM Leo	Min	54173.3091	.0007	DIE	+0.0092	GCVS 85	o	22	9)
	Min	54192.3301	.0005	DIE	+0.0086	GCVS 85	o	22	9)
	Min	54196.3536	.0001	WTR	+0.0084	GCVS 85	-Ir	71	10)
	Min	54200.3772	.0005	JU	+0.0082	GCVS 85	o	88	2)
	Min	54202.3890	.0008	JU	+0.0081	s GCVS 85	o	90	2)
	Min	54207.3301	.0001	DIE	+0.0109	GCVS 85	o	22	9)
	Min	54207.5131	.0011	AG	+0.0111	s GCVS 85	-Ir	49	1)
AP Leo	Min	54173.3974	.0007	QU	-0.0369	GCVS 85	V	51	3)
BL Leo	Min	54172.3430	.0021	SCI			o	23	2)
	Min	54172.4862	.0010	SCI			o	35	2)
	Min	54172.6295	.0014	SCI			o	25	2)
ET Leo	Min	54193.3893	.0060	JU			o	52	2)
EX Leo	Min	54209.4219	.0020	JU			o	80	2)
RT LMi	Min	54199.3339	.0003	WTR	-0.0068	s GCVS 85	-Ir	79	10)
VW LMi	Min	54185.4263	.0009	JU			o	73	2)
RZ Lyn	Min	54200.3218	.0003	WTR	-0.0995	GCVS 85	-Ir	50	10)
SW Lyn	Min	53864.3788	.0002	RAT RCR	+0.0394	GCVS 85	-Ir	56	1)
	Min	54150.3488	.0024	DIE	+0.0452	GCVS 85	o	22	9)
	Min	54173.5324	.0005	AG	+0.0425	GCVS 85	-Ir	68	1)
TY Lyn	Min	54210.4685	.0004	AG	+0.0644	GCVS 85	-Ir	191	1)
UU Lyn	Min	54175.3512	.0001	WTR	-0.0059	GCVS 85	-Ir	92	10)
CD Lyn	Min	54172.4095	.0007	AG	-0.0088	IBVS 4911	-Ir	94	1)
DU Lyr	Min	54222.5192	.0010	AG			-Ir	19	1)
LZ Lyr	Min	53899.4200	.0004	RAT RCR			-Ir	121	1)
	Min	53999.3173	.0006	RAT RCR			-Ir	78	1)
OT Lyr	Min	54222.4568	.0005	AG			-Ir	19	1)
V411 Lyr	Max	52147.475	.005	AG			o	25	1) 13)
V412 Lyr	Min	54245.5069	.0007	AG			-Ir	31	1)
V563 Lyr	Min	53898.4535	.0003	RAT RCR			-Ir	88	1)
	Min	53900.4740	.0003	RAT RCR			-Ir	96	1)
	Min	53985.3918	.0003	RAT RCR			-Ir	73	1)
V574 Lyr	Min	54295.4577	.0006	JU			o	37	2)
V580 Lyr	Min	54300.4479	.0016	JU			o	23	2)
V596 Lyr	Min	54003.3377	.0003	RAT RCR			-Ir	78	1)
CF Mon	Min	54154.3158	.0002	AG			-Ir	17	1)
GU Mon	Min	53769.3520	.0008	RAT RCR	-0.0060	GCVS 85	-Ir	64	1)
IU Mon	Min	54116.3729	.0010	AG			-Ir	22	1)
IZ Mon	Min	53768.334 :	.001	RAT RCR			-Ir	74	1)
V395 Mon	Min	54154.3438	.0017	AG			-Ir	17	1)
V396 Mon	Min	54154.3826	.0005	AG	-0.0697	s GCVS 85	-Ir	17	1)
V442 Mon	Min	53764.269 :	.002	RAT RCR	+0.030	GCVS 85	-Ir	48	1)
	Min	54154.3628	.0011	AG	+0.0397	GCVS 85	-Ir	17	1)



Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
V496 Mon	Min	54154.3478	.0024	AG	-0.0339	GCVS 85	-Ir	17	1)
V514 Mon	Min	54154.4178	.0031	AG	+0.0271	GCVS 85	-Ir	16	1)
V530 Mon	Min	54026.684 :	.001	MS FR	+0.131	GCVS 85	o	27	5)
	Min	54085.5429	.0003	MS FR	+0.1308	GCVS 85	o	291	5)
V532 Mon	Min	54096.4545	.0003	RAT RCR	+0.0120	GCVS 85	-Ir	76	1)
V536 Mon	Min	54150.3514	.0040	WTR	-0.0066	BAVR 52.165ff	-Ir	78	10)
V714 Mon	Min	54024.6114	.0002	MS FR			o	297	5)
	Min	54154.3184	.0012	AG			-Ir	17	1)
V843 Mon	Min	54116.4529	.0022	AG	-0.0706	s BAVM 147	-Ir	22	1)
	Min	54149.3343	.0013	AG	-0.0829	BAVM 147	-Ir	20	1)
WZ Oph	Min	54244.4632	.0006	AG	+0.0040	GCVS 85	-Ir	47	1)
	Min	54288.3893	.0030	WTR	+0.0033	s GCVS 85	-Ir	48	10)
AL Oph	Min	54219.3956	.0053	AG			-Ir	19	1)
V449 Oph	Min	53503.4349	.0015	AG	+0.0688	GCVS 85	-Ir	24	1)
V501 Oph	Min	53860.5221	.0002	RAT RCR	-0.0089	GCVS 85	-Ir	81	1)
V2553 Oph	Min	53503.4509	.0016	AG			-Ir	24	1)
	Min	54219.3874	.0001	AG			-Ir	19	1)
	Min	54239.5251	.0015	AG			-Ir	29	1)
CQ Ori	Min	54016.5780	.0028	MS FR	-0.0006	GCVS 85	o	121	5)
FZ Ori	Min	54114.4574	.0013	AG	-0.0629	GCVS 85	-Ir	36	1)
QT Ori	Min	54114.3236	.0025	AG			-Ir	39	1)
V343 Ori	Min	53744.3740	.0004	RAT RCR	+0.1850	GCVS 85	-Ir	96	1)
	Min	54096.3535	.0008	RAT RCR	+0.1947	GCVS 85	-Ir	56	1)
V392 Ori	Min	53758.2596	.0006	RAT RCR	+0.0016	GCVS 85	-Ir	56	1)
BO Peg	Min	53941.4686	.0004	RAT RCR	-0.0263	GCVS 87	-Ir	101	1)
BY Peg	Min	53250.5212	.0028	AG			o	22	1)
CE Peg	Min	53936.4783	.0003	RAT RCR			-Ir	119	1)
MQ Peg	Min	53938.5321	.0011	RAT RCR			-Ir	98	1)
BY Per	Min	53992.5824	.0005	MS FR			o	485	5)
	Min	53995.464 :	.004	MS FR			o	196	5)
	Min	54115.3481	.0058	AG			-Ir	49	1)
CC Per	Min	54115.4269	.0016	AG			-Ir	54	1)
IK Per	Min	54001.4451	.0017	MS FR	-0.1490	GCVS 87	o	611	5)
KL Per	Min	53987.4646	.0011	MS FR			o	594	5)
	Min	54085.2823	.0004	RAT RCR			-Ir	82	1)
KR Per	Min	53780.3702	.0003	RAT RCR	-0.0154	GCVS 87	-Ir	60	1)
NZ Per	Min	53751.2817	.0005	RAT RCR	+0.0357	GCVS 87	-Ir	61	1)
V432 Per	Min	54093.2740	.0003	RAT RCR	-0.0081	s IBVS 3797	-Ir	65	1)
UZ Sge	Min	53913.4436	.0005	RAT RCR			-Ir	37	1)
AQ Ser	Min	54207.4151	.0006	FR	-0.2585	GCVS 87	-Ir	59	8)
AU Ser	Min	53817.5223	.0001	RAT RCR	+0.0097	SAC 73	-Ir	160	1)
CX Ser	Min	54207.4727	.0004	FR	-0.0757	s GCVS 87	-Ir	59	8)
GSC 2038.0293	Min	54192.6353	.0010	FR	+0.0011	BAVM 177	-Ir	53	8)
	Min	54213.4447	.0006	FR	+0.0033	BAVM 177	-Ir	57	8)
	Min	54221.3725	.0004	FR	+0.0046	BAVM 177	-Ir	57	8)
Y Sex	Min	53769.4429	.0005	RAT RCR	+0.0010	BAVR 32,36ff	-Ir	39	1)
	Min	54173.3127	.0029	AG	+0.0015	BAVR 32,36ff	-Ir	30	1)
	Min	54173.5234	.0018	AG	+0.0023	s BAVR 32,36ff	-Ir	30	1)
AL Tau	Min	54026.528 :	.002	MS FR			o	330	5)
AS Tau	Min	54115.3795	.0011	AG			-Ir	45	1)
CR Tau	Min	54141.3427	.0004	AG	-0.0048	IBVS 4778	-Ir	34	1)
GW Tau	Min	54136.3755	.0014	JU			o	83	2)
V471 Tau	Min	54136.3401	.0030	SCI	+0.0113	GCVS 87	o	81	2)
TW UMa	Min	54203.4304	.0009	AG	-0.2428	GCVS 87	-Ir	83	1)
	Min	54216.4301	.0002	AG	-0.2441	GCVS 87	-Ir	173	1)
TY UMa	Min	54195.3905	.0004	JU	+0.0635	s GCVS 87	o	80	2)
UY UMa	Min	54115.6130	.0024	SCI	+0.0902	GCVS 87	o	75	2)
XY UMa	Min	54192.3796	.0008	JU	+0.0289	GCVS 87	o	74	2)
	Min	54197.4085	.0012	JU	+0.0284	s GCVS 87	o	80	2)
AA UMa	Min	53765.4204	.0002	RAT RCR	+0.0349	GCVS 87	-Ir	55	1)

Table 1: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
AA UMa	Min	54186.4986	.0003	AG	+0.0342	s GCVS 87	-Ir	100	1)
	Min	54206.3923	.0006	JU	+0.0325	GCVS 87	o	100	2)
AW UMa	Min	54201.4057	.0030	JU	-0.0654	GCVS 87	o	100	2)
IW UMa	Min	54186.4386	.0004	AG			-Ir	89	1)
RT UMi	Min	54207.5026	.0004	AG	+0.1106	GCVS 87	-Ir	217	1)
TV UMi	Min	54222.3944	.0012	JU			o	77	2)
NSV 8499	Min	53863.4756	.0001	RAT RCR			-Ir	137	1)
AW Vir	Min	53818.4245	.0001	RAT RCR	+0.0173	GCVS 87	-Ir	32	1)
AX Vir	Min	54219.3808	.0005	FR	+0.0105	BAVR 32,36ff	-Ir	79	8)
	Min	54220.4306	.0042	FR	+0.0065	s BAVR 32,36ff	-Ir	44	8)
BH Vir	Min	54206.4974	.0008	AG	-0.0070	s GCVS 87	-Ir	58	1)
CM Vir	Min	54204.5302	.0006	AG			-Ir	68	1)
NY Vir	Min	54206.3214	.0015	AG			-Ir	60	1)
	Min	54206.4221	.0015	AG			-Ir	60	1)
	Min	54206.5228	.0015	AG			-Ir	60	1)
GSC 0278.0814	Min	54185.4915	.0031	FR			-Ir	50	8)
	Min	54186.5042	.0032	FR			-Ir	50	8)
	Min	54187.4817	.0054	FR			-Ir	42	8)
Z Vul	Min	54306.4498	.0004	QU	-0.0075	GCVS 87	V	70	3)
AW Vul	Min	53931.4193	.0001	RAT RCR	-0.0115	GCVS 87	-Ir	44	1)
	Min	54289.4837	.0003	SIR	-0.0115	GCVS 87	-Ir	110	7)
AZ Vul	Min	53897.5087	.0003	RAT RCR	+0.0273	GCVS 87	-Ir	100	1)
BK Vul	Min	53927.4440	.0004	RAT RCR	+0.0359	s GCVS 87	-Ir	130	1)
BM Vul	Min	53250.5223	.0012	AG			o	21	1)
	Min	53255.4244	.0027	AG			o	29	1)
	Min	53255.6126	.0008	AG			o	29	1)
BP Vul	Min	53933.4432	.0001	RAT RCR	-0.0116	GCVS 87	-Ir	126	1)
IM Vul	Min	53921.4692	.0003	RAT RCR			-Ir	111	1)

Table 2: Pulsating stars

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
TZ Aur	Max	54136.3723	.0010	QU	+0.0119	GCVS 85	V	66	3)
	Max	54174.3650	.0013	WN	+0.0121	GCVS 85	V	97	11)
	Max	54203.3488	.0018	WN	+0.0120	GCVS 85	V	87	11)
DN Aur	Min	53386.307	.000	AG			-Ir	38	1) 14)
	Min	53386.612	.001	AG			-Ir	38	1) 14)
	Min	53387.539	.002	AG			V	61	1) 14)
	Min	53388.470	.002	AG			V	38	1) 14)
	Min	53410.363	.001	AG			V	23	1) 14)
MV Aur	Max	54176.383	.005	AG			-Ir	25	1)
PY Aur	Max	54171.456	.003	AG			-Ir	53	1)
RS Boo	Max	54185.324	.003	AG	+0.019	BAVR 36,157ff	-Ir	30	1)
RU Boo	Max	54213.476	.003	AG			-Ir	21	1)
SZ Boo	Max	54186.418	.005	AG	+0.008	SAC 73	-Ir	21	1)
	Max	54201.579	.003	AG	+0.007	SAC 73	-Ir	31	1)
TW Boo	Max	54222.3767	.0007	QU	-0.0264	BAVR 48,189	V	51	3)
VX Boo	Max	54213.484	.003	AG			-Ir	20	1)
WZ Boo	Max	54186.493	.005	AG			-Ir	20	1)
XX Boo	Max	54185.532	.005	AG	+0.014	GCVS 85	-Ir	30	1)
	Max	54213.443	.005	AG	+0.018	GCVS 85	-Ir	21	1)
CM Boo	Max	54199.4190	.0005	QU	-0.1024	GCVS 85	V	75	3)
CQ Boo	Max	54216.4031	.0010	MZ	-0.0223	BAVR 48,189	-Ir	112	2)
U1200-07442272	Max	54185.386	.003	AG			-Ir	30	1)
AQ Cnc	Max	54222.3877	.0018	WN	-0.0707	GCVS 85	V	89	11)
CQ Cnc	Max	54172.520	.002	AG	-0.014	BAVR 49,41	-Ir	40	1)
EF Cnc	Max	54172.380	.003	AG			-Ir	41	1)
	Max	54175.3577	.0028	SCI			o	105	2)
RR CVn	Max	54205.396	.005	AG			-Ir	47	1)

Table 2: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
RZ CVn	Max	54205.5304	.0019	WN	+0.1069	BAVR 48,189	V	102	11)
	Max	54221.4190	.0007	QU	+0.1083	BAVR 48,189	V	66	3)
SW CVn	Max	53080.588	.002	AG			-Ir	42	1)
	Max	54205.521	.003	AG			-Ir	46	1)
TZ CVn	Max	54176.364	.005	AG			-Ir	25	1)
AP CVn	Max	54187.439	.005	AG			-Ir	23	1)
BN CVn	Max	54208.4145	.0009	MZ	+0.0602	BAVM 75	-Ir	78	2)
AD CMi	Max	54187.298 :	.002	WN	+0.010	GCVS 85	V	62	11)
IU Car	Max	54178.470	.003	HND			o	57	4)
BI Cen	Max	54258.358	.002	HND			o	90	4)
	Max	54277.387	.002	HND			o	57	4)
KS Cen	Max	54259.306	.002	HND			o	65	4)
V480 Cen	Max	54275.454	.002	HND			o	53	4)
V595 Cen	Max	54254.425	.003	HND			o	60	4)
V753 Cen	Max	54258.447	.003	HND			o	85	4)
	Max	54259.333	.003	HND			o	75	4)
	Max	54262.431	.003	HND			o	65	4)
	Max	54263.316	.003	HND			o	82	4)
RZ Cep	Max	54219.393	.003	AG	-0.014	GCVS 85	-Ir	79	1)
GZ Cep	Max	54213.476	.003	AG			-Ir	55	1)
RT Col	Max	54145.364	.002	HND			o	87	4)
RW Col	Max	54165.448	.003	HND			o	53	4)
	Max	54170.360	.003	HND			o	20	4)
	Max	54171.455	.003	HND			o	24	4)
U Com	Max	54187.562	.005	AG	-0.002	BAVR 49,41	-Ir	23	1)
V Com	Max	54203.3503	.0020	FR	+0.0372	GCVS 85	-Ir	50	8)
AC Com	Max	54201.4222	.0020	FR			-Ir	49	8)
AE Com	Max	54201.4702	.0030	FR			-Ir	48	8)
AG Com	Max	54175.434	.005	AG			-Ir	31	1)
	Max	54202.5172	.0020	FR			-Ir	50	8)
AO Com	Max	54206.3784	.0040	FR			-Ir	46	8)
CU Com	Max	54201.4618	.0015	FR			-Ir	50	8)
CW Com	Max	54201.5021	.0030	FR			-Ir	48	8)
CY Com	Max	54202.5749	.0025	FR			-Ir	48	8)
CZ Com	Max	54202.4769	.0020	FR			-Ir	50	8)
GH Com	Max	54203.5912	.0030	FR			-Ir	46	8)
GR Com	Max	54203.4474	.0040	FR			-Ir	34	8)
HY Com	Max	54218.3918	.0030	FR			-Ir	79	8)
IQ Com	Max	54203.5835	.0045	FR			-Ir	44	8)
IS Com	Max	54176.434	.005	AG			-Ir	28	1)
RV CrB	Max	54205.465	.005	AG	-0.047	GCVS 85	-Ir	37	1)
	Max	54210.435	.005	AG	-0.051	GCVS 85	-Ir	29	1)
UY CrB	Max	54221.529	.005	AG			-Ir	30	1)
X Crt	Max	54254.375	.005	HND			o	52	4)
SW Cru	Max	54275.310	.002	HND			o	55	4)
	Max	54276.292	.002	HND			o	61	4)
XX Cyg	Max	53975.5248	.0001	FLG	+0.0020	GCVS 85	o	137	12)
DM Cyg	Max	54001.3979	.0015	FLG	-0.0004	BAVR 51,98ff	V	135	12)
V882 Cyg	Max	53935.3968	.0030	FR			-Ir	33	8)
	Max	54003.2741	.0030	FR			-Ir	33	8)
	Max	54029.4622	.0030	FR			-Ir	27	8)
	Max	54035.4604	.0030	FR			-Ir	30	8)
RT Dor	Max	54167.436	.004	HND			o	45	4)
	Max	54170.334	.002	HND			o	29	4)
VW Dor	Max	54166.437	.002	HND			o	71	4)
	Max	54170.437	.003	HND			o	89	4)
	Max	54178.423	.004	HND			o	28	4)
VX Dor	Max	54166.507	.005	HND			o	57	4)
	Max	54170.450	.003	HND			o	59	4)
XX Dor	Max	54144.397	.003	HND			o	90	4)

Table 2: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem
XX Dor	Max	54170.383	.005	HND			o	27	4)
	Max	54171.344	.005	HND			o	70	4)
AE Dra	Max	54201.382	.005	AG			-Ir	88	1)
DD Dra	Max	54196.500	.003	AG	-0.081	BAVR 49,6	-Ir	39	1)
	Max	54200.425	.003	AG	-0.078	BAVR 49,6	-Ir	90	1)
	Max	54202.385	.003	AG	-0.079	BAVR 49,6	-Ir	80	1)
	Max	54206.623	.005	AG	-0.089	BAVR 49,6	-Ir	80	1)
RR Gem	Max	54192.3603	.0022	WN	+0.0029	BAVR 47,67	V	159	11)
	Max	54196.3250	.0011	WN	-0.0054	BAVR 47,67	V	112	11)
	Max	54198.3154	.0009	WN	-0.0014	BAVR 47,67	V	84	11)
	Max	54209.4368	.0008	WN	-0.0042	BAVR 47,67	V	96	11)
	Max	54217.3825	.0013	WN	-0.0044	BAVR 47,67	V	122	11)
AK Gem	Max	54161.6889	.0010	HMB	-0.2285	GCVS 85	o	220	6)
	Max	54162.7277	.0010	HMB	-0.2484	GCVS 85	o	220	6)
	Max	54163.7661	.0011	HMB	+0.2606	GCVS 85	o	330	6)
	Max	54164.8046	.0010	HMB	+0.2405	GCVS 85	o	225	6)
	Max	54168.614	.001	HMB	-0.185	GCVS 85	o	45	6)
	Max	54169.6546	.0010	HMB	-0.2029	GCVS 85	o	178	6)
	Max	54187.6645	.0004	HMB	-0.1906	GCVS 85	o	191	6)
	Max	54188.7033	.0004	HMB	-0.2105	GCVS 85	o	225	6)
	Max	54195.6303	.0009	HMB	-0.1649	GCVS 85	o	120	6)
	GI Gem	Max	54149.440	.003	AG	-0.004	BAVR 51,40ff	-Ir	20
GU Gem	Max	54141.369	.003	AG			-Ir	30	1)
TW Her	Max	54220.527	.003	AG	-0.007	GCVS 85	-Ir	11	1)
AR Her	Max	54203.578	.003	AG	+0.029	BAVR 52,3ff	-Ir	27	1)
EP Her	Max	54271.427	.003	AG			-Ir	44	1)
GS Her	Max	54205.472	.005	AG			-Ir	37	1)
HM Her	Max	54210.341	.003	AG			-Ir	29	1)
IT Her	Max	54219.3947	.0026	SCI			o	65	2)
	Max	54219.5690	.0021	SCI			o	72	2)
V447 Her	Max	54203.541	.003	AG			-Ir	27	1)
V552 Her	Max	54239.380	.003	AG			-Ir	30	1)
V596 Her	Max	54210.529	.003	AG			-Ir	30	1)
UU Hya	Max	54171.364	.003	AG			-Ir	56	1)
	Max	54173.458	.003	AG			-Ir	30	1)
UV Hya	Max	54171.357	.003	AG			-Ir	59	1)
	Max	54173.475	.003	AG			-Ir	30	1)
DT Hya	Max	54259.314	.003	HND			o	62	4)
FX Hya	Max	54275.401	.002	HND			o	54	4)
GL Hya	Max	54197.3944	.0020	MZ			-Ir	53	2)
RW Hyi	Max	54144.405	.002	HND			o	96	4)
RR Leo	Max	54195.4457	.0005	QU	+0.0397	BAVR 47,67	V	67	3)
	Max	54195.4472	.0018	WN	+0.0412	BAVR 47,67	V	135	11)
	Max	54205.3991	.0013	WN	+0.0404	BAVR 47,67	V	149	11)
ST Leo	Max	54175.4301	.0004	QU	-0.0196	GCVS 85	V	61	3)
	Max	54197.4148	.0005	QU	-0.0222	GCVS 85	V	65	3)
AE Leo	Max	54187.3545	.0010	MZ	+0.2105	GCVS 85	-Ir	78	2)
DM Leo	Max	54210.4176	.0007	MZ			-Ir	125	2)
Y LMi	Max	54202.3495	.0010	MZ	+0.0141	BAVR 49,41	-Ir	104	2)
U Lep	Max	54145.450	.003	HND	+0.046	GCVS 85	o	87	4)
SZ Lyn	Max	54173.408	.001	AG	+0.026	GCVS 85	-Ir	31	1)
	Max	54180.4001	.0009	WN	+0.0273	GCVS 85	V	104	11)
	Max	54185.3401	.0012	WN	+0.0254	GCVS 85	V	96	11)
	Max	54186.4267	.0011	WN	+0.0272	GCVS 85	V	111	11)
	Max	54187.3918	.0017	WN	+0.0280	GCVS 85	V	116	11)
	Max	54188.3548	.0013	WN	+0.0267	GCVS 85	V	91	11)
	Max	54191.3688	.0010	WN	+0.0273	GCVS 85	V	235	11)
	Max	54191.4889	.0015	WN	+0.0269	GCVS 85	V	235	11)
	Max	54197.3950	.0012	WN	+0.0268	GCVS 85	V	57	11)
	Max	54202.3361	.0013	WN	+0.0260	GCVS 85	V	75	11)

Table 2: (cont.)

Variable	M/m	HJD 24. . .	$\pm$	Obs	$O - C$	Bibliography	Fil	n	Rem	
SZ Lyn	Max	54203.4208	.0008	WN	+0.0258	GCVS 85	V	68	11)	
	Max	54223.4278	.0007	WN	+0.0240	GCVS 85	V	135	11)	
TV Lyn	Max	54172.555	.003	AG	+0.016	GCVS 85	-Ir	119	1)	
TW Lyn	Max	53098.484	.004	AG	+0.052	GCVS 85	-Ir	51	1)	
BE Lyn	Max	54221.3942	.0009	WN			V	111	11)	
	Max	54222.4490	.0008	WN			V	70	11)	
CR Lyr	Max	53891.8176	.0023	HMB			-Ir	38	6)	
	Max	53893.7974	.0032	HMB			-Ir	37	6)	
	Max	53894.7811	.0047	HMB			-Ir	24	6)	
EZ Lyr	Max	53948.4515	.0006	FLG	+0.0276	BAVR 34,145ff	o	55	12)	
MW Lyr	Max	53926.5133	.0022	HMB			V	13	6)	
	Max	53930.4884	.0099	HMB			V	71	6)	
	Max	53932.4773	.0012	HMB			V	77	6)	
	Max	53934.4539	.0009	HMB			-Ir	71	6)	
NR Lyr	Max	53898.7392	.0050	HMB			o	71	6)	
RV Men	Max	54165.399	.004	HND			o	38	4)	
	Max	54171.356	.004	HND			o	130	4)	
	Max	54178.410	.003	HND			o	31	4)	
GM Mon	Max	54084.8782	.0019	HMB			-Ir	226	6)	
TX Mus	Max	54262.417	.003	HND			o	91	4)	
	Max	54264.311	.003	HND			o	68	4)	
EM Mus	Max	54277.406	.002	HND			o	96	4)	
V452 Oph	Max	53503.483	.003	AG			-Ir	24	1)	
V785 Oph	Max	53503.519	.005	AG	-0.007	GCVS 85	-Ir	24	1)	
BT Peg	Max	53607.440	.003	AG	+0.087	BAVR 49,105	-Ir	27	1)	
DY Peg	Max	53977.4504	.0005	FLG	-0.0068	GCVS 87	o	114	12)	
ST Pic	Max	54167.358	.003	HND			o	40	4)	
	Max	54179.345	.003	HND			o	34	4)	
HH Pup	Max	54188.331	.002	HND			o	45	4)	
	Max	54173.500	.003	AG	-0.074	BAVR 51,247	-Ir	30	1)	
V Sex	Max	54173.409	.003	AG			-Ir	30	1)	
U Tri	Max	54126.3537	.0004	MZ	-0.0148	BAVR 49,105	-Ir	100	2)	
RV UMa	Max	54186.4057	.0005	QU	+0.0076	BAVR 48,189	V	74	3)	
SX UMa	Max	54203.573	.003	AG	-0.152	SAC 73	-Ir	84	1)	
TU UMa	Max	54152.4975	.0005	QU	-0.0265	GCVS 87	V	60	3)	
	Max	54170.3439	.0007	QU	-0.0251	GCVS 87	V	65	3)	
	Max	54171.4579	.0005	QU	-0.0265	GCVS 87	V	80	3)	
	Max	54185.4000	.0005	QU	-0.0258	GCVS 87	V	65	3)	
	Max	54195.4359	.0015	SCI	-0.0278	GCVS 87	o	162	2)	
	Max	54205.4725	.0018	WN	-0.0290	GCVS 87	V	108	11)	
	Max	54219.4157	.0010	FLG	-0.0273	GCVS 87	o	196	12)	
	AE UMa	Max	54171.4664	.0023	WN	+0.0053	BAVR 48,189	V	103	11)
		Max	54174.4816	.0002	WN	+0.0100	BAVR 48,189	V	110	11)
		Max	54175.4206	.0013	WN	+0.0027	BAVR 48,189	V	85	11)
		Max	54196.4976	.0009	WN	+0.0056	BAVR 48,189	V	58	11)
		Max	54197.359	.002	WN	+0.007	BAVR 48,189	V	62	11)
		Max	54197.4402	.0006	WN	+0.0020	BAVR 48,189	V	92	11)
		Max	54198.3850	.0009	WN	+0.0006	BAVR 48,189	V	163	11)
Max		54198.4741	.0007	WN	+0.0037	BAVR 48,189	V	163	11)	
GSC 4139.0289	Max	54202.4288	.0007	WN	+0.0016	BAVR 48,189	V	52	11)	
	Max	54192.3685	.0010	MZ			-Ir	120	2)	
AF Vel	Max	54258.351	.002	HND			o	64	4)	
AN Vel	Max	54188.407	.002	HND			o	59	4)	
ST Vir	Max	54204.574	.003	AG	+0.026	GCVS 87	-Ir	70	1)	
XZ Vir	Max	54211.4539	.0010	MZ			-Ir	92	2)	
BN Vul	Max	53956.4045	.0011	FLG	-0.0206	SAC 73	o	135	12)	

**Remarks:**

AG:	Agerer, F., Tiefenbach	MZ:	Maintz, G., Bonn
DIE:	Dietrich, M., Radebeul	QU:	Quester, W., Esslingen
FLG:	Flechsigg, Dr. G., Teterow	RAT:	Rätz, M., Herges-Hallenberg
FR:	Frank, P., Velden	RCR:	Rätz, C., Herges-Hallenberg
HMB:	Hambusch, Dr. F., Mol (B)	SCI:	Schmidt, U. Karlsruhe
HND:	Hund, F., Windhoek (Namibia)	SIR:	Schirmer, J., Willisau (CH)
Ju:	Jungbluth, Dr. H., Karlsruhe	WN:	Wischniewski, M. Wennigsen
MS:	Moschner, W., Lennestadt	WTR:	Walter, F., München

: = uncertain

s = secondary minimum

red = reduced results

C = CCD-camera

o = without filter

V = V-filter

-Ir = -Ir-filter

1) = ccd-camera ST-6 chip 375\*242 uncoated

2) = ccd-camera ST-7

3) = ccd-camera ST-7E

4) = ccd-camera ST-8E

5) = ccd-camera ST-9 chip

6) = ccd-camera STL-11K

7) = ccd-camera Alpha Maxi chip KAF401e

8) = ccd-camera OES-LcCCD12

9) = ccd-camera pictor 1616XT

10) = ccd-camera Pictor 416XT

11) = ccd-camera Meade DSI Pro 2

12) = ccd-camera SIGMA 402 chip

**Variables which possibly require a new classification**

13) = GCVS-type EW:/KE: - possibly RR

14) = GCVS-type RRC - possibly EW

GCVS *yy* = General Catalogue of Variable Stars, 4th ed. 19yyIBVS *nnnn* = Information Bulletin on Variable Stars No. *nnn*MVS *vv,ppp* = Mitteilungen über Veränderl. Sterne; volume, pagesSAC *vv* = Rocznik Astronomiczny No. *vv*, Krakow (SAC)BAVM *nnn* = BAV Mitteilungen No. *nnn*BAVR *nn,ppp* = BAV Rundbrief No. *nn*, page *ppp*AA *vv,ppp* = Acta Astronomica volume *nn*, page *ppp*

U = USNO A 2.0 Catalogue

**ERRATUM FOR IBVS 5657****Corrections to BAVM 173**

V699 Cyg 53258.5458 AG must be deleted

**ERRATA FOR IBVS 5802****Corrections to BAVM 186**

AO Cam 53809.3529 RAT RCR correct value: 53809.3259

GK Cas 54212.5234 RAT RCR correct value: 54211.5234

**ERRATUM FOR IBVS 5802 (BAVM 186)**

GSC 0137501085 SIR all results must be deleted

**ERRATUM FOR IBVS 5802 (BAVM 186)**

GSC 03776.00170 52862.5033 AG has to be deleted