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**PHOTOELECTRIC MAXIMA/MINIMA
 OF SELECTED VARIABLES**

(BAV-Mitteilungen No.80)

In this 28th compilation of BAV results, photoelectric observations obtained in the years 1994 and 1995 are presented on 63 variable stars giving 137 minima and maxima.

All times of minima and maxima are heliocentric. The error margins are tabulated in column '+/−'. The values in column 'O−C 1 GCVS' are determined by using the elements of the GCVS without incorporation of nonlinear terms. For the values in column 'O−C 2' 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 and the public observatory of Nürnberg. 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..	+/−	Ph	Obs	O−C 1 GCVS	O−C 2	Rem		
AB	And	49587.375 :	LV	AG	−0.012	85	3)		
		49587.376 :			LB			−0.012	85
BD	And	49554.4764	L	MS	+0.0072	85	2)		
		49567.4378			+0.0073			85	2)
		49578.5492			+0.0091			85	2)
		49585.4923			+0.0086			85	2)
BL	And	49567.5358	L	MS	−0.0010	85	2)		
CN	And	49637.3010	.0005	LV	AG	−0.0494	85	3)	
LO	And	49690.3217	.0004	LB	AG	−0.0437	85	3)	
		49690.3240	.0013	LV	AG	−0.0414	85	3)	
V417	Aql	49546.4975	.0005	LV	AG	−0.0889	85	3)	
		49546.4983	.0005	LB	AG	−0.0881	85	3)	
		49568.5313 /	.0004	LV	AG	−0.0778	85	3)	
		49568.5314 /	.0002	LB	AG	−0.0777	85	3)	
V761	Aql	49534.4824		L	MS	+0.0797	85	2)	
V1353	Aql	48803.363 :/	.004	LB	AG	−0.680	85	3)	
		48803.364 :/		LV	AG	−0.679	85	3)	
		49158.477 :		LB	AG	+0.027	85	3)	
		49158.482 :		LV	AG	+0.032	85	3)	
		49569.4812 /		.0039	LV	AG	+0.0328	85	3)
		49569.4818 /		.0009	LB	AG	+0.0334	85	3)
		49640.4599 /			L	MS	−0.0289	85	−0.0109 14) 2)
TZ	Boo	49511.4509	.0003	LB	AG	+0.0527	85	−0.0078 13) 3)	
		49511.4511	.0004	LV	AG	+0.0529	85	−0.0076 13) 3)	
		49537.4510 /	.0008	LV	AG	+0.0512	85	−0.0089 13) 3)	
		49537.4530 /	.0005	LB	AG	+0.0532	85	−0.0069 13) 3)	

Table 1 (cont.)

Variable	Min JD 24..	+/-	Ph	Obs	O-C 1 GCVS	O-C 2	Rem
WW	Cam	49624.5462	.0004	LV	AG	-0.0153 85	3)
		49624.5465	.0003	LB	AG	-0.0150 85	3)
FR3	Cnc	49722.4146	.0004	LB	AG		3) 8)
		49722.4146	.0005	LV	AG		3) 8)
CW	Cas	49594.3758	.0009	LV	AG	-0.0046 85	3)
		49594.3764	.0008	LB	AG	-0.0040 85	3)
DN	Cas	49615.5480	.0010	LB	AG	-0.0228 85	3)
		49615.5516	.0017	LV	AG	-0.0192 85	3)
DZ	Cas	49637.4835	.0009	L	AG	-0.1342 85	2)
GG	Cas	49662.4298	.0010	LV	AG	+0.0298 85	3)
OX	Cas	49636.3288	.0009	LV	AG	+0.0125 85	3)
		49636.3305	.0013	LB	AG	+0.0142 85	3)
V445	Cas	49641.3107		L	MS	+0.0463 85	+0.0028 14) 2)
V541	Cas	49625.3577 /	.0009	LB	AG	+0.0271 85	3)
		49625.3578 /	.0010	LV	AG	+0.0272 85	3)
SU	Cep	49592.4330	.0007	LV	AG	+0.0028 85	3)
		49592.4331	.0008	LB	AG	+0.0029 85	3)
VZ	Cep	49567.4219	.0004	LB	AG	-0.0036 85	3)
		49567.4223	.0004	LV	AG	-0.0032 85	3)
WW	Cep	49692.3517 /	.0003	L	AG	+0.2683 85	+0.0024 15) 2)
WX	Cep	49619.4900	.0007	LV	AG	+0.0021 85	3)
		49619.4907	.0010	LB	AG	+0.0028 85	3)
EF	Cep	49636.4979	.0003	L	AG	-0.1399 85	2)
GW	Cep	49592.5447	.0006	LB	AG	-0.0192 85	3)
		49592.5457	.0003	LV	AG	-0.0182 85	3)
NS	Cep	49630.3867	.0001	L	AG	-0.3393 85	2)
OT	Cep	49641.5254	.0003	L	AG	+0.4406 85	2)
Y	Cyg	49574.4478	.0005	LV	AG	+0.1324 85	3)
		49574.4482	.0004	LB	AG	+0.1328 85	3)
CG	Cyg	49574.5322	.0005	LB	AG	+0.0317 85	3)
		49574.5343	.0004	LV	AG	+0.0338 85	3)
DK	Cyg	49637.4436	.0003	LB	AG	+0.0360 85	3)
		49637.4441	.0003	LV	AG	+0.0365 85	3)
GO	Cyg	49555.4585	.0003	LV	AG	+0.0523 85	3)
		49555.4589	.0003	LB	AG	+0.0527 85	3)
		49556.5353 /	.0014	LV	AG	+0.0525 85	3)
		49556.5366 /	.0004	LB	AG	+0.0538 85	3)
V382	Cyg	49534.4774	.0008	LB	AG	+0.0253 85	3)
		49534.4785	.0004	LV	AG	+0.0264 85	3)
V488	Cyg	49570.4531 /	.0004	L	AG	+0.1143 85	2)
		49641.358 :	.005	L	AG	+0.114 85	2)
V500	Cyg	49503.5052		L	MS	+0.0460 85	2)
		49515.5204		L	MS	+0.0464 85	2)
		49527.5367		L	MS	+0.0479 85	2)
V505	Cyg	49637.3426	.0005	L	AG	+0.1532 85	2)
		49640.3484 /	.0002	L	AG	+0.1545 85	2)
V680	Cyg	49565.469 :	.000	LV	AG	+0.050 85	3)
		49565.471 :	.000	LB	AG	+0.052 85	3)
V700	Cyg	49518.4529	.0001	L	AG	-0.0137 85	2)
		49527.4652 /	.0006	L	AG	-0.0126 85	2)
		49535.4558		L	MS	-0.0131 85	2)
		49535.4563	.0013	L	AG	-0.0126 85	2)
		49639.3560 /		L	MS	+0.0030 85	2)

Table 1 (cont.)

Variable	Min JD 24..	+/-	Ph	Obs	O-C 1 GCVS	O-C 2	Rem
V859	Cyg	49537.4618	.0004	L	AG	-0.0509 85	2)
		49580.3946	.0002	L	AG	-0.0482 85	2)
V877	Cyg	49637.3222		L	MS	+0.0225 85	2)
V889	Cyg	49547.4506 /	.0014	LB	AG	-0.1335 85	3)
		49547.4530 /	.0015	LV	AG	-0.1311 85	3)
		49624.364 /	.003	LV	AG	-0.129 85	3)
		49624.368 /	.003	LB	AG	-0.125 85	3)
V1061	Cyg	49535.4799	.0006	LB	AG	-0.0211 85	3)
		49535.4802	.0009	LV	AG	-0.0208 85	3)
V1083	Cyg	49605.4040	.0012	LB	AG	-0.0466 85	3)
V1191	Cyg	49587.3879	.0004	L	AG	+0.0013 85	2)
		49599.4536 /	.0006	L	AG	+0.0020 85	2)
		49608.384 :	.003	L	AG	+0.001 85	2)
		49619.3527	.0003	L	AG	+0.0016 85	2)
		49619.5106 /	.0003	L	AG	+0.0028 85	2)
		49621.3904 /	.0002	L	AG	+0.0024 85	2)
RX	Dra	49639.427 /	.003	LV	AG	+0.043 85	3)
		49639.431 /	.002	LB	AG	+0.047 85	3)
EF	Dra	49465.549 :	.001	LB	AG		+0.003 11) 3)
		49465.550 :	.001	LV	AG		+0.004 11) 3)
		49580.4595	.0004	LB	AG		+0.0027 11) 3)
		49580.4606	.0006	LV	AG		+0.0038 11) 3)
MS	Her	49534.4903	.0003	L	AG	+0.0136 85	2)
		49567.4770 /	.0003	L	AG	+0.0135 85	2)
PW	Her	48830.650	.004	LB	AG	+0.310 85	+0.006 13) 3)red
		48830.654	.004	LV	AG	+0.314 85	+0.010 13) 3)red
		48882.507	.004	LB	AG	+0.310 85	-0.001 13) 3)red
		48882.510	.004	LV	AG	+0.313 85	+0.002 13) 3)red
		48908.448	.004	LB	AG	+0.322 85	+0.007 13) 3)red
		48908.449	.004	LV	AG	+0.323 85	+0.009 13) 3)red
		48934.378	.004	LB	AG	+0.323 85	+0.005 13) 3)red
		48934.380	.004	LV	AG	+0.325 85	+0.007 13) 3)red
		49127.431	.004	LB	AG	+0.350 85	+0.007 13) 3)red
		49127.433	.004	LV	AG	+0.352 85	+0.009 13) 3)red
V728	Her	49600.358 :	.002	LV	AG	-0.001 85	+0.004 9) 3)
		49600.362 :	.001	LB	AG	+0.002 85	+0.008 9) 3)
V829	Her	49545.419 :	.000	LB	AG		3)
		49545.420 :	.001	LV	AG		3)
VY	Lac	49600.5201 /	.0004	LB	AG	-0.1325 85	3)
		49600.5201 /	.0006	LV	AG	-0.1325 85	3)
TY	Lyn	48986.4931		LV	5)	+0.0649 85	1)
QU	Lyr	49565.498 :/	.003	L	AG	-0.002 85	2)
V839	Oph	49556.4335 /	.0005	LV	AG	-0.1007 85	3)
		49556.4340 /	.0003	LB	AG	-0.1002 85	3)
BP	Per	49630.5521	.0002	L	AG	-0.0092 87	2)
V432	Per	49636.5100	.0008	LV	AG	-0.0797 87	+0.0005 10) 3)
		49636.5108	.0004	LB	AG	-0.0789 87	+0.0013 10) 3)
V482	Per	49625.5029	.0025	LB	AG		+0.0058 13) 3)
		49625.5034	.0026	LV	AG		+0.0063 13) 3)
V511	Per	49640.4323	.0014	LB	AG		3)
		49640.4360	.0010	LV	AG		3)

Table 2. RR Lyrae/Delta Scuti Stars

Variable	Max JD 24.. +/-	Ph	Obs	O-C 1 GCVS	O-C 2	Rem
SW	And 48558.4105	LV	6)	-0.1114 85	-0.0150 S92	1)
RS	Boo 49479.5177	L	PS	-0.0072 85		4)
TT	Cnc 49643.6538	L	MS	+0.0688 85		2)
S	Com 47651.4388	LV	WU WC	-0.0561 85	+0.0065 S89	1) 7)
XZ	Cyg 49549.5318	L	PS	+0.1710 85		4)
AR	Per 49625.509	LB	AG	+0.037 87		3)
	49625.510	LV	AG	+0.038 87		3)

Remarks :

AG	F. Agerer	Zweikirchen
GZI	M. Garzarolli	Höchstadt
HFK	M. Hofmann	Nürnberg
HFT	M. Hofmann	Nürnberg
MS	W. Moschner	LenneStadt
PS	A. Paschke	Rüti <CH>
SCG	S. Schurig	Nürnberg
WC	M. Wieck	Nürnberg
WU	E. Wunder	Rückersdorf

: =uncertain

/ =secondary minimum

L =photoelectric observation filter: without

LB =as above filter: B

LV =as above filter: V

red =reduced results

Sxx =Rocznik Astronomiczny, Krakow (SAC) xx = year of publishing

1) =photometer: 1P21 - filter: V = GG11 / B = BG3+GG13

2) =photometer: CCD 375 * 242 - uncoated - filter: without

3) =photometer: EMI 9781A - filter: V=GG495, 1mm / B=BG12, 1mm+GG385, 2mm

4) =photometer: Cryocam 89A - filter: without

5) =team: GZI, HFK, SCG, WU Nürnberg observatory

6) =team: GZI, HFK, HFT Nürnberg observatory

7) =team: Nürnberg observatory

8) =FR3 Cancri = GSC 1383.600, c.f. IBVS No. 3859

9) =BAV Mitteilungen No. 51 = IBVS No. 3234

10) =BAV Mitteilungen No. 61 = IBVS No. 3797

11) =BAV Mitteilungen No. 63 = IBVS No. 3811

12) =BAV Mitteilungen No. 65 = IBVS No. 3859

13) =BAV Mitteilungen No. 68

14) =BAV Mitteilungen No. 69

15) =BAV Mitteilungen No. 71 = IBVS No. 4131

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