BAV Mitteilung 60

Beobachtungsergebnisse der
Berliner Arbeitsgemeinschaft für Veränderliche Sterne e.V. (B A V)

(B A V - M I T T E I L U N G E N N R . 6 0)

Redaktionsschluß: 16. Juni 1992

von J. Hübscher, Berlin
F. Agerer, Zweikirchen und E. Wunder, Rückersdorf

In this 25th compilation of BAV results, observations are given from the years 1991 and 1992 for 865 observed minima and maxima on 360 variables stars including 218 photoelectric results.

Die vorliegenden Ergebnisse wurden überwiegend in den Jahren 1991 und 1992 gewonnen. Insgesamt wurden 865 Ergebnisse aus rund 21.000 Einzelschätzungen bzw. -messungen von 35 Beobachtern abgeleitet. Es werden 342 beobachtete Minima an 137 Bedeckungssternen, 171 Maxima von 85 RR-Lyrae- und Delta Cephei Sternen, 188 Ergebnisse von 100 Mirasternen, 140 Ergebnisse von 27 Halbregelmäßigen und RV Tauri Sternen und 24 Ergebnisse von 11 Eruptiven mitgeteilt.

B E O B A C H T E R :

AG	F. Agerer	Zweikirchen	MS	W. Moschner	Lennestadt
BAU	R. Baule	Hildesheim	MX	H. Marx	Korntal
BR	W. Braune	Berlin	MZ	G. Maintz	Bonn
DER	O. Deren	Waldbrzych <PL>	PI	J. Pietz	Erftstadt
DM	M. Dahm	Bremen	PS	A. Paschke	Rueti <CH>
FOV	M. Fonovic	Plomin <KR>	QU	W. Quester	Esslingen
FR	P. Frank	Velden	SC	E. Schröder	Bremen
GE	R. Geckeler	Saulgau	SD	J. Schmidt	Mainz
GI	D. Girrbach	Böblingen	SF	K. Seifert	Hamburg
GND	A. Gnädig	Berlin	SG	P. Sterzinger	Wien <AU>
GS	J. Gensler	Bad Neustadt	SM	A. Sturm	Brühl
HH	B. Hassforther	Heidelberg	SO	R. Schertler	St.Peter <AU>
HO	P. Hoffmann	Hannover	SU	H. Schubert	Grosshansdorf
KB	W. Kriebel	Moosburg	TH	A. Thomas	Mainz
KI	W. Kleikamp	Marl	TI	K. Timm-Arnold	Leverkusen
KR	G. Krisch	Bockenem	WK	K. Wälke	Darmstadt
MO	M. Moeller	Timmendorf Strd	WU	E. Wunder	Heidelberg
MR	P. Maurer	B.Friedrichshall			

Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV)

Berliner Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV) vereinigt mit Arbeitskreis Veränderliche Sterne (AKV)

Neben Privatinstrumenten wurden Instrumente von Volkssternwarten sowie der BAV eingesetzt. Alle angegebenen Zeiten sind heliozentrisch korrigiert. Die Berechnungen für die Kurzperiodischen wurden von Joachim Hübscher vorgenommen. Die B-R aus den Elementen des GCVS wurden ohne Berücksichtigung von Zusatzgliedern berechnet. Der BAV liegen alle Lichtkurven mit Einzelschätzungen und Auswertung vor.

Die 218 lichtelektrischen Beobachtungen wurden von 4 Beobachtern gewonnen, die Geräte und Filter hierfür sind in den jeweiligen Bemerkungen angegeben. Erstmals werden bei einem Teil der lichtelektrischen Beobachtungen die mittleren Fehler der Ergebnisse in der Spalte "+/-" angegeben. Die lichtelektrischen Messungen stellt die Geschäftsstelle auf Wunsch zur Einsicht zur Verfügung.

Für die Unterstützung unserer Arbeit danken wir besonders der AKADEMIE DER WISSENSCHAFTEN DER UdSSR, dem OBSERWATORIUM ASTRONOMICZNE KRAKOW der Universiteyt Jagiellonski, sowie der IAU - Kommission 27.

2 1. B E D E C K U N G S V E R Ä N D E R L I C H E

Stern		Min JD 24..	+/-	Ph	Obs		B-R 1 GCVS		B-R 2		Bem
RT	And	48488.413			MR		-0.002	85			
AB	And	48490.481			MR		-0.003	85			
		48600.335			MZ		-0.005	85			
		48601.331			MZ		-0.005	85			
		48603.327			BAU		+0.000	85			
		48645.310 /			MZ		-0.002	85			
AD	And	48499.503 :		LV	AG		-0.014	85			2)
		48499.504 :		LB	AG		-0.013	85			2)
BX	And	48601.433 /			SD		-0.002	85			
		48616.367			SD		-0.016	85			
		48619.414			SD		-0.020	85			
CN	And	48502.5378	.0002	LB	AG		-0.0370	85			2)
		48502.5416	.0001	LV	AG		-0.0332	85			2)
		48628.421			SD		-0.034	85			
DS	And	48534.3964	.0008	LV	AG		+0.0009	85			2)
		48534.3966	.0010	LB	AG		+0.0011	85			2)
KN	And	48509.498		F	FR	MS			+0.060	20)	7)
ST	Aqr	48525.331 :		LV	AG		-0.014	85			2)
		48525.3329	.0004	LB	AG		-0.0118	85			2)
OO	Aql	48449.481			SF		+0.002	85			
		48467.466 /			DM		-0.005	85			
		48483.437			GI		+0.002	85			
		48512.330			SF		+0.009	85			
V346	Aql	48513.413			DM		-0.001	85			
V417	Aql	48448.5217 /	.0002	LV	AG		-0.0776	85	-0.0295	16)	2)
		48476.490 :		LV	AG		-0.054	85	-0.020	16)	2)
		48500.3659 /	.0004	LV	AG		-0.0515	85	-0.0293	16)	2)
		48500.3661 /	.0006	LB	AG		-0.0513	85	-0.0291	16)	2)
V724	Aql	48508.415		LB	AG		+0.001	85	-0.001	13)	2)
		48508.418		LV	AG		+0.004	85	+0.002	13)	2)
SS	Ari	48501.5497 /	.0005	LV	AG		-0.0970	85			2)
		48501.5502 /	.0002	LB	AG		-0.0965	85			2)
		48604.2655 /	.0014	LV	AG		-0.0975	85			2)
		48604.2656 /	.0012	LB	AG		-0.0974	85			2)

Stern		Min JD 24..	+/-	Ph	Obs	B-R 1 GCVS	B-R 2	Bem
SS	Ari	48650.340			MZ	-0.103 85		
		48661.295 :			MZ	-0.111 85		
AH	Aur	48561.5985	.0007	LV	AG	+0.0938 85	-0.0662 19)	2)
		48561.5993	.0005	LB	AG	+0.0946 85	-0.0654 19)	2)
AR	Aur	48604.4786 /	.0003	LV	AG	-0.0645 85		2)
		48604.4788 /	.0005	LB	AG	-0.0643 85		2)
FP	Aur	47847.456		F	FR	-0.062 85		7)
		47848.411		F	FR	-0.053 85		7)
		48187.521		F	FR	-0.054 85		7)
		48601.456		F	FR	-0.061 85		7)
IY	Aur	48605.3327	.0012	LB	AG	-0.0743 85		2)
		48605.3366	.0010	LV	AG	-0.0704 85		2)
		48686.3386	.0010	LV	AG	-0.0770 85		2)
		48686.3390	.0013	LB	AG	-0.0766 85		2)
TY	Boo	48499.356 :		LV	AG	+0.051 85		2)
		48499.356 :		LB	AG	+0.051 85		2)
		48690.5993	.0014	LV	AG	+0.0545 85		2)
		48690.5995	.0008	LB	AG	+0.0547 85		2)
TZ	Boo	48763.4870	.0006	LV	AG	+0.0456 85		2)
		48763.4876	.0006	LB	AG	+0.0462 85		2)
		48764.3792	.0008	LV	AG	+0.0463 85		2)
		48764.3807	.0006	LB	AG	+0.0478 85		2)
		48764.5269 /	.0008	LB	AG	+0.0454 85		2)
		48764.5288 /	.0008	LV	AG	+0.0473 85		2)
		48765.4186 /	.0007	LB	AG	+0.0456 85		2)
		48765.4192 /	.0012	LV	AG	+0.0462 85		2)
VW	Boo	48720.4679 /	.0004	LB	AG	-0.0195 85	-0.0155 15)	2)
		48720.4680 /	.0006	LV	AG	-0.0194 85	-0.0154 15)	2)
		48770.4473 /	.0004	L	AG	-0.0196 85	-0.0148 15)	6)
SV	Cam	48500.423			MZ	+0.017 85		
WY	Cnc	48682.360 :			BAU	-0.021 85		
		48686.522			SD	-0.005 85		
BI	CVn	48681.4388 /	.0005	LB	AG	-0.0406 85		2)
		48681.4391 /	.0005	LV	AG	-0.0403 85		2)
BO	CVn	48724.4164	.0009	LV	AG			2)
		48724.4187	.0007	LB	AG			2)
R	CMa	48618.477 :			DM	+0.047 85		
YY	CMi	48680.4355	.0015	LV	AG	+0.0085 85		2)
		48680.4409	.0030	LB	AG	+0.0139 85		2)
AM	CMi	48605.50 :	.0100	LV	AG	+0.08 85		2)
		48605.50 :	.0100	LB	AG	+0.08 85		2)
BH	CMi	48680.4189	.0022	LV	AG			2)
		48680.4219	.0031	LB	AG			2)
RZ	Cas	48367.370 :			DM	+0.010 85		
		48441.473			DM	+0.009 85		
TV	Cas	48490.478			DM	+0.007 85		
		48539.404			MZ	-0.007 85		
TW	Cas	48444.405			SO	-0.010 85		
TX	Cas	48558.335 :		LV	AG	-0.131 85	-0.008 14)	2)
		48558.338 :		LB	AG	-0.128 85	-0.005 14)	2)
AX	Cas	48562.477		F	FR	-0.051 85		7)
BS	Cas	47819.409		F	FR	-0.038 85		7)
		48509.409 /		F	FR	-0.055 85		7)
		48533.416		F	FR	-0.055 85		7)
		48533.632 /		F	FR	-0.059 85		7)
		48562.491		F	FR	-0.051 85		7)
BU	Cas	48562.484		F	FR	-0.009 85		7)

Stern		Min JD 24..	+/-	Ph	Obs	B-R 1 GCVS	B-R 2	Bem
DN	Cas	48619.5314	.0021	LV	AG	-0.0178 85		2)
		48619.5317	.0012	LB	AG	-0.0175 85		2)
DO	Cas	48525.5936	.0002	LV	AG	+0.0010 85		2)
		48525.5941	.0003	LB	AG	+0.0015 85		2)
		48558.4574	.0002	LB	AG	+0.0009 85		2)
		48558.4577	.0003	LV	AG	+0.0012 85		2)
DZ	Cas	48189.366 :		F	FR	-0.127 85		7)
		48537.473 :/		F	FR	-0.119 85		7)
		48539.436 :		F	FR	-0.118 85		7)
EG	Cas	48501.505		F	FR	-0.087 85		7)
		48539.413		F	FR	-0.090 85		7)
GG	Cas	48557.3646	.0010	LB	AG	+0.0280 85		2)
		48557.3675	.0011	LV	AG	+0.0309 85		2)
OR	Cas	48561.649		F	FR	-0.011 85		7)
PV	Cas	48540.3681	.0005	LB	AG	-0.0177 85		2)
		48540.3685	.0004	LV	AG	-0.0173 85		2)
V368	Cas	48560.365 :		LV	AG	-0.041 85		2)
		48560.368 :		LB	AG	-0.038 85		2)
V375	Cas	48440.469 :			SF	-0.030 85	+0.020 14)	
		48518.5876	.0008	LV	AG	-0.0008 85	+0.0492 14)	2)
		48518.5877	.0003	LB	AG	-0.0007 85	+0.0493 14)	2)
V380	Cas	48557.5828	.0007	LB	AG	-0.0477 85		2)
		48557.5843	.0008	LV	AG	-0.0462 85		2)
V381	Cas	48448.477			SF	-0.008 85	+0.014 14)	
		48503.4582 /	.0003	LB	AG	-0.0243 85	-0.0023 14)	2)
		48503.4582 /	.0003	LV	AG	-0.0243 85	-0.0023 14)	2)
V520	Cas	48503.479 /		F	FR	-0.057 85		7)
		48539.476		F	FR	-0.045 85		7)
V523	Cas	48503.4086 /		LV	AG	+0.0181 85		2)
		48503.4087 /		LB	AG	+0.0182 85		2)
		48503.5245		LB	AG	+0.0172 85		2)
		48503.5245		LV	AG	+0.0172 85		2)
V541	Cas	48539.4524	.0007	LV	AG	-0.0467 85		2)
		48539.4531	.0005	LB	AG	-0.0460 85		2)
V651	Cas	48419.448 :		LV	AG		+0.000 36)	2)
		48419.4520	.0012	LB	AG		+0.0041 12)	2)
		48524.6112	.0003	LB	AG		-0.0001 12)	2)
		48524.6115	.0002	LV	AG		+0.0002 12)	2)
U	Cep	48722.498			KB	+0.055 85		
		48727.483			KB	+0.053 85		
XX	Cep	48509.385 :			MZ	-0.020 85		
AH	Cep	48541.403 :		LB	AG	+0.006 85		2)
		48541.404 :		LV	AG	+0.007 85		2)
		48555.5960	.0007	LB	AG	+0.0006 85		2)
		48555.5970	.0009	LV	AG	+0.0016 85		2)
CW	Cep	48537.479 :/		LV	AG	+0.023 85		2)
		48537.479 :/		LB	AG	+0.023 85		2)
GW	Cep	48504.3788:	.0013	LB	AG	+0.0499 85	-0.0037 17)	2)
		48504.3839:	.0007	LV	AG	+0.0551 85	+0.0014 17)	2)
NN	Cep	48537.561 :		LV	AG	-0.004 85		2)
		48537.565 :		LB	AG	+0.001 85		2)
XY	Cet	48561.4828	.0005	LV	AG	+0.0050 85		2)
		48561.4833	.0013	LB	AG	+0.0055 85		2)
SS	Com	48683.6200	.0004	LV	AG	+0.0643 85	+0.0114 16)	2)
		48683.6203	.0005	LB	AG	+0.0646 85	+0.0117 16)	2)
UX	Com	48727.448 :	.007	LB	AG	-0.940 85		2)
		48727.453 :	.007	LV	AG	-0.935 85		2)

Stern	Min JD 24..	+/-	Ph	Obs	B-R 1 GCVS	B-R 2	Bem
U CrB	48501.355 :			MZ	+0.036 85		
RW CrB	48733.5240	.0003	LB	AG	-0.0147 85		2)
	48733.5255	.0004	LV	AG	-0.0132 85		2)
	48757.4964	.0004	LV	AG	-0.0138 85		2)
	48757.4965	.0005	LB	AG	-0.0137 85		2)
BR Cyg	48443.476			DM	-0.004 85		
DK Cyg	48502.365 :/		LB	AG	+0.028 85	+0.010 18)	2)
	48502.367 :/		LV	AG	+0.030 85	+0.013 18)	2)
	48559.3189 /	.0005	LB	AG	+0.0280 85	+0.0107 18)	2)
	48559.3208 /	.0007	LV	AG	+0.0299 85	+0.0126 18)	2)
GO Cyg	48016.5601	.0003	LB	AG	+0.0395 85		2)
	48016.5617	.0005	LV	AG	+0.0411 85		2)
	48449.3807		L	SG	+0.0485 85		3)
	48460.5021 /	.0008	LB	AG	+0.0446 85		2)
	48460.5049 /	.0007	LV	AG	+0.0474 85		2)
	48484.5473	.0001	LV	AG	+0.0447 85		2)
	48484.5473	.0002	LB	AG	+0.0447 85		2)
	48534.444 /			SD	+0.057 85		
MR Cyg	48501.451			PI	+0.002 85		
V366 Cyg	48495.560 :		LV	AG	-0.051 85		2)
	48495.567 :		LB	AG	-0.044 85		2)
V367 Cyg	48381.42			DM	-0.69 85		red
V370 Cyg	47763.392		F	FR	-0.010 85		7)
V382 Cyg	48447.4743 /	.0004	LV	AG	+0.0214 85		2)
	48447.4764 /	.0002	LB	AG	+0.0235 85		2)
	48498.3835 /	.0017	LV	AG	+0.0217 85		2)
	48498.3844 /	.0006	LB	AG	+0.0226 85		2)
V401 Cyg	47763.390		F	FR	+0.002 85		7)
V548 Cyg	48498.382			GI	-0.030 85		
	48601.269 :			MZ	-0.042 85		
V889 Cyg	47759.387 :/		F	FR	-0.058 85		7)
V909 Cyg	47759.487		F	FR	+1.373 85	-0.028 14)	7)
	48494.4993	.0003	LV	AG	+1.3650 85	-0.0366 14)	2)
	48494.5004	.0004	LB	AG	+1.3661 85	-0.0355 14)	2)
V961 Cyg	47769.402 /		F	FR	-0.055 85		7)
V963 Cyg	48015.416		F	FR	-0.004 85		7)
	48128.403		F	FR	+0.015 85		7)
V1004 Cyg	47769.517 :/		F	FR	-0.074 85		7)
	48128.485		F	FR	-0.071 85		7)
V1073 Cyg	48559.4382	.0006	LV	AG	-0.0443 85		2)
	48559.4387	.0008	LB	AG	-0.0438 85		2)
V1136 Cyg	47763.414		F	FR	+0.046 85		7)
V1508 Cyg	47763.412 :/		F	FR	+0.054 85		7)
	47769.373 :/		F	FR	+0.030 85		7)
32 Cyg	48139.56	.31	LB	AG	-1.80 85		2) 8)
	48139.63	.16	LU	AG	-1.73 85		2) 8)
AI Dra	48367.405			DM	-0.003 85		
AX Dra	48720.3610	.0003	LB	AG	-0.0501 85	-0.0076 14)	2)
	48720.3612	.0002	LV	AG	-0.0499 85	-0.0074 14)	2)
BF Dra	48722.615 :		LV	AG	+0.175 85		2)
	48722.616 :		LB	AG	+0.176 85		2)
BU Dra	48686.5102	.0003	LV	AG	+0.1053 85	+0.0135 22)	2)
	48686.5106	.0004	LB	AG	+0.1057 85	+0.0139 22)	2)
CV Dra	48467.456 :		LV	AG		-0.038 10)	1)
	48467.457 :		LB	AG		-0.037 10)	1)
	48760.4996	.0005	LB	AG		-0.0560 10)	2)
	48760.5009	.0005	LV	AG		-0.0547 10)	2)

Stern		Min JD 24..	+/-	Ph	Obs	B-R 1 GCVS	B-R 2	Bem
EF	Dra	48475.4492	.0002	LV	AG			2)
		48475.4504	.0002	LB	AG			2)
		48488.3823	.0009	LB	AG			2)
		48488.3847	.0006	LV	AG			2)
		48491.5632	.0006	LV	AG			2)
		48491.5635	.0020	LB	AG			2)
S	Equ	48503.440			DM	+0.046 85		
YY	Gem	48618.363 /			BAU	-0.010 85		
		48686.353			MZ	-0.013 85		
		48743.353 :			MZ	-0.013 85		
AZ	Gem	48273.506		F	FR	+0.075 85		7)
BD	Gem	48273.530		F	FR	-0.013 85		7)
OW	Gem	48502.03			QU			
		48502.03			WK			
		48502.05			PI			
TX	Her	48449.4720	.0002	LV	AG	+0.0086 85		2)
		48449.4723	.0002	LB	AG	+0.0089 85		2)
UX	Her	48409.454			PI	+0.024 85		
AK	Her	48540.280 /			SF	+0.008 85		
LT	Her	48762.4725	.0011	LV	AG	-0.0492 85		2)
		48762.4744	.0007	LB	AG	-0.0473 85		2)
V342	Her	48362.482 /		F	FR	-0.016 85		7)
V450	Her	48496.409 :		LV	AG	-0.254 85		2)
		48496.418 :		LB	AG	-0.245 85		2)
V728	Her	48449.4738	.0007	LV	AG	+0.0155 85	+0.0022 11)	2)
		48449.4744	.0004	LB	AG	+0.0161 85	+0.0028 11)	2)
		48474.4529	.0010	LB	AG	+0.0041 85	+0.0031 11)	2)
		48474.4547	.0002	LV	AG	+0.0059 85	+0.0049 11)	2)
V829	Her	48444.4702	.0002	LB	AG			2)
		48444.4703	.0004	LV	AG			2)
		48484.4033	.0004	LV	AG			2)
		48484.4057	.0005	LB	AG			2)
		48524.3376	.0005	LB	AG			2)
		48524.3378	.0010	LV	AG			2)
		48724.5426	.0010	LB	AG			2)
		48724.5452	.0007	LV	AG			2)
FG	Hya	48625.5492	.0006	LB	AG	-0.0210 85		2)
		48625.5494	.0009	LV	AG	-0.0208 85		2)
		48683.4104 /	.0008	LB	AG	-0.0221 85		2)
		48683.4114 /	.0008	LV	AG	-0.0211 85		2)
SW	Lac	48454.477 /			SF	-0.017 85		
		48464.422 /			SF	-0.014 85		
		48485.431			GI	-0.012 85		
		48490.398 /			SF	-0.016 85		
		48504.353			SF	-0.013 85		
		48521.353			SF	-0.011 85		
		48533.381 /			GI	-0.009 85		
VY	Lac	48537.3317 /	.0008	LB	AG	-0.1284 85		2)
		48537.3334 /	.0014	LV	AG	-0.1267 85		2)
AW	Lac	48561.3288	.0012	LB	AG	+0.1049 85	+0.0020 18)	2)
		48561.3315	.0010	LV	AG	+0.1076 85	+0.0047 18)	2)
CM	Lac	48495.490			DM	+0.005 85		
CO	Lac	48618.362 /			BAU	-0.001 85		
UV	Leo	48661.377 :			GI	+0.007 85		
		48691.378 :			GI	+0.004 85		
		48721.374 :			GI	-0.005 85		
		48733.378 :			BAU	-0.003 85		

Stern		Min JD 24..	+/-	Ph	Obs		B-R 1 GCVS	B-R 2	Bem
UZ	Leo	48723.4343 /	.0008	LV	AG		+0.0684 85		2)
		48723.4350 /	.0017	LB	AG		+0.0691 85		2)
XY	Leo	48349.458 /			PI		+0.041 85		
		48356.422			PI		+0.043 85		
		48733.4272	.0004	LB	AG		+0.0526 85		2)
		48733.4274	.0004	LV	AG		+0.0528 85		2)
XZ	Leo	48683.381			SF		+0.009 85		
		48733.3760 /	.0003	LV	AG		+0.0119 85		2)
		48733.380 :/	.001	LB	AG		+0.016 85		2)
AM	Leo	48683.417 :			GI		+0.004 85		
		48720.355 :			GI		-0.003 85		
		48722.371 /			MZ		+0.001 85		
		48743.404			MZ		+0.001 85		
beta	Lyr	47723.03 :			BR		-2.51 85		red
		48111.00			BR		-1.96 85		red
		48369.75			DM		-1.48 85		red
		48408.70			GE		-1.27 85		red
		48415.10 :/			GE		-1.33 85		red
		48460.35			SF		-1.28 85		red
		48486.30			GS		-1.16 85		red
		48512.38			SM		-0.90 85		red
BM	Mon	48690.398		F	FR		+0.015 85		7)
HM	Mon	48690.348		F	FR		-0.004 85		7)
V448	Mon	48682.3899	.0014	LB	AG		+0.0060 85		2)
		48682.3909	.0006	LV	AG		+0.0070 85		2)
SW	Oph	48768.5046	.0004	LV	AG		+0.1326 85		2)
		48768.5054	.0005	LB	AG		+0.1334 85		2)
EG	Ori	48272.543		F	FR		-0.064 85		7)
FR	Ori	48625.2992	.0005	LB	AG		-0.0024 85		2)
		48625.3000	.0005	LV	AG		-0.0016 85		2)
FT	Ori	48632.444			DM		+0.001 85		
		48651.346			GI		+0.000 85		
		48651.348			MZ		+0.002 85		
U	Peg	48508.391			GI		-0.031 87		
		48602.270 /			BAU		-0.035 87		
BX	Peg	48491.4017	.0005	LB	AG		-0.0221 87		2)
		48491.4023	.0005	LV	AG		-0.0215 87		2)
EU	Peg	48499.421		F	MS	FR	+0.029 87		7)
		48501.588		F	MS	FR	+0.033 87		7)
		48514.566		F	MS	FR	+0.031 87		7)
GH	Peg	48571.324 :			DM		-0.001 87		
GP	Peg	48518.3661	.0007	LV	AG		-0.0227 87		2)
		48518.3662	.0003	LB	AG		-0.0226 87		2)
IQ	Per	48600.452			DM		+0.001 87		
IT	Per	48534.5811	.0010	LB	AG		+0.0025 87		2)
		48534.5834	.0014	LV	AG		+0.0048 87		2)
V482	Per	48606.4653	.0013	LB	AG			-0.0033 12)	2)
		48606.4693	.0016	LV	AG			+0.0007 12)	2)
		48650.5039	.0012	LV	AG			-0.0063 12)	2)
		48650.5069	.0009	LB	AG			-0.0033 12)	2)
DHK11	Per	48490.4565	.0003	LV	AG			+0.0012 21)	2) 9)
		48490.4571	.0005	LB	AG			+0.0018 21)	2) 9)
		48509.4549	.0005	LV	AG			+0.0005 21)	2) 9)
		48509.4549	.0005	LB	AG			+0.0005 21)	2) 9)
CW	Sge	48497.437		F	MS	FR	-0.135 87		7)
		48501.4052	.0006	LV	AG		-0.1282 87		2)
		48501.4065	.0005	LB	AG		-0.1269 87		2)

Stern		Min JD 24..	+/-	Ph	Obs	B-R 1 GCVS	B-R 2	Bem
CC	Ser	48737.5183 /	.0006	LB	AG	+0.0471 87		2)
		48737.5199 /	.0005	LV	AG	+0.0487 87		2)
		48761.5149	.0006	LB	AG	+0.0494 87		2)
		48761.5156	.0014	LV	AG	+0.0501 87		2)
Y	Sex	48691.3183	.0007	LB	AG	+0.0532 87	+0.0532 14)	2)
		48691.3189	.0006	LV	AG	+0.0538 87	+0.0538 14)	2)
		48691.5294 /	.0007	LV	AG	+0.0544 87	+0.0544 14)	2)
		48691.5298 /	.0011	LB	AG	+0.0548 87	+0.0548 14)	2)
WY	Tau	48274.438		F	FR	+0.029 87		7)
EQ	Tau	48558.6006	.0005	LB	AG	-0.0120 87		2)
		48558.6010	.0007	LV	AG	-0.0116 87		2)
TX	UMa	48349.389 :			MZ	+0.059 87		
		48686.368			MZ	+0.081 87		
		48686.376			KB	+0.090 87		
		48689.425 :			MZ	+0.076 87		
RU	UMi	48651.3379	.0002	LB	AG	-0.0065 87		2)
		48651.3380	.0004	LV	AG	-0.0064 87		2)
AH	Vir	48733.525			SD	+0.067 87		
		48737.383 /			QU	+0.054 87		
		48762.436			GI	+0.044 87		
		48771.411			QU	+0.054 87		
AX	Vir	48395.416 :			SF	-0.013 87	-0.013 14)	
HT	Vir	48760.4609		LV	QU			5)

B e m e r k u n g e n :

: = unsicher
/ = Nebenminimum
L = Lichtelektrische Beobachtung Filter : ohne
LV = wie vor Filter : V
LU = wie vor Filter : U
LB = wie vor Filter : B
F = Fotografische Beobachtung
red = reduzierte Ergebnisse
1) = Photometer: 1P21 Filter: V = GG11
B = BG3 + GG13
2) = Photometer: EMI 9781A Filter: V = GG495/1mm
B = BG12 /1mm + GG385 /2mm
U = UG1 /2mm
3) = Photometer: SSP3
4) = Photometer: Schnitzer
5) = Photometer: Mueller
6) = Photometer: uncoated CCD 375*242
Filter: ohne
7) = Auswertung: Messung mit Mikrophotometer
8) = 32 Cygni = V1488 Cygni
9) = DHK11 Persei = SAO 23229 Persei
10) = BAV - Mitteilung Nr. 49
11) = BAV - Mitteilung Nr. 51 = IBVS No. 3234
12) = BAV - Mitteilung Nr. 55 = IBVS No. 3554
13) = BAV - Mitteilung Nr. 57 = IBVS No. 3555
14) = BAV - Rundbrief 32, 36 ff
15) = BAV - Rundbrief 32, 122 ff
16) = BAV - Rundbrief 33, 152 ff
17) = BAV - Rundbrief 33, 160 ff
18) = BAV - Rundbrief 35, 1 ff
19) = BAV - Rundbrief 35, 41 ff

B e m e r k u n g e n :

20) = BAV - Rundbrief 39, 19 f
21) = IBVS No. 3479
22) = MVS 12, S. 4

2. R R - L Y R A E - S T E R N E 9

Stern		Max JD 24..	+/-	Ph	Obs		B-R 1	GCVS	B-R 2		Bem
SW	And	48500.458			PI		-0.125	85	-0.030	S92	
		48512.417			PI		-0.108	85	-0.013	S92	
		48543.366	:		MZ		-0.118	85	-0.022	S92	
		48558.415			DM		-0.106	85	-0.010	S92	
		48562.385			GI		-0.117	85	-0.021	S92	
		48643.311			MZ		-0.129	85	-0.030	S92	
XX	And	48616.297			SD		+0.162	85	-0.018	S92	
GP	And	48513.573			SD		+0.000	85			
V341	Aql	48509.395			KB		+0.028	85			
RV	Ari	48286.274		F	MS	KI	+0.033	85			7)
RW	Ari	48287.350	:	F	MS	KI	+0.024	85			7)
RS	Boo	48349.391			PI		-0.004	85	+0.004	10)	
		48401.459			PI		-0.008	85	+0.000	10)	
		48441.455			SF		-0.010	85	-0.003	10)	
		48472.397			SF		-0.010	85	-0.002	10)	
		48747.479			SD		-0.009	85	+0.000	10)	
TT	Cnc	47994.387	:		WU		+0.018	85	+0.113	S92	
VZ	Cnc	48662.3969		LV	SG		+0.0015	85	+0.0089	S90	3)
		48682.3660		LV	QU		-0.0061	85	+0.0014	S90	5)
UV	CVn	48358.560		F	FR		+0.074	85			7)
Y	CMi	48687.343			PS		-0.229	85			
RV	CMi	48663.412			PS		+0.010	85			
AD	CMi	48683.462			SD		+0.017	85			
		48686.409			SD		+0.012	85			
AL	CMi	48652.526			PS		-0.229	85			
RZ	Cep	48509.371	:		MZ		+0.025	85			
		48513.377			MZ		+0.018	85			
		48539.302			MZ		+0.013	85			
		48585.267	:		MZ		-0.016	85			
		48643.305			MZ		-0.011	85			
		48651.326			MZ		-0.016	85			
RR	Cet	48600.395	:		DM		+0.014	85			
XZ	Cyg	48467.446			PI		-0.104	85	-0.018	10)	
		48502.438			PI		-0.115	85	-0.022	10)	
		48509.443			PI		-0.110	85	-0.016	10)	
DM	Cyg	48499.496			PI		+0.003	85			
		48502.431			PI		-0.001	85			
V1719	Cyg	48500.3895		LV	QU		-0.0334	85			5)
		48508.4110		LB	QU		-0.0309	85			5)
		48556.254		LB	AG		-0.034	85			2)
		48556.256		LV	AG		-0.032	85			2)
		48556.522		LB	AG		-0.034	85			2)
		48556.524		LV	AG		-0.032	85			2)
BV	Del	48126.456			PS		+0.012	85			
		48497.411			PS		+0.024	85			
		48539.322			PS		+0.013	85			
DX	Del	48443.463	:		SF		-0.009	85	-0.041	13)	

Stern		Max JD 24..	+/-	Ph	Obs	B-R 1	GCVS	B-R 2		Bem
DX	Del	48514.395			SF	+0.030	85	-0.002	13)	
		48514.397			MZ	+0.033	85	+0.001	13)	
		48514.407	:		DM	+0.043	85	+0.010	13)	
		48541.305			SF	+0.002	85	-0.030	13)	
		48558.340			SF	+0.023	85	-0.010	13)	
SU	Dra	48024.391			WU	+0.002	85	-0.011	12)	
		48409.435			SF	+0.021	85	+0.008	12)	
		48442.436			SF	+0.002	85	-0.012	12)	
		48444.421			SF	+0.005	85	-0.009	12)	
SW	Dra	48349.441			PI	+0.013	85			
		48357.437			PI	+0.033	85			
		48512.378			MZ	+0.024	85			
		48692.400	:		KB	+0.031	85			
RT	Equ	48233.283			PS	-0.178	85			
		48490.433			PS	-0.098	85			red
		48498.432			PS	-0.104	85			
RX	Eri	48645.315			PS	-0.004	85			
SV	Eri	48628.341			PS	+0.196	85	+0.126	S92	
AK	Gem	48275.323		F	FR	+0.196	85			7)
VX	Her	48401.407	:		PI	-0.225	85	+0.025	11)	
RR	Leo	48683.418			KB	+0.012	85			
ST	Leo	48737.408			SD	-0.014	85			
SU	Leo	48691.518			PS	-0.049	85			
BE	Lyn	48721.463	:	LV	GND			+0.008	14)	9)15)
RR	Lyr	48444.457			SO	-0.254	85	+0.012	S92	
		48465.421			PI	-0.264	85	+0.003	S92	
		48495.460			DM	-0.269	85	-0.001	S92	
		48499.419			GI	-0.278	85	-0.010	S92	
		48503.390			GI	-0.275	85	-0.007	S92	
		48503.394			PI	-0.272	85	-0.003	S92	
AV	Peg	48504.495			PI	+0.014	87			
		48513.487			PI	+0.027	87			
BH	Peg	48504.505			PS	-0.053	87			
BP	Peg	48508.515			PS	+0.008	87			
CG	Peg	48513.368			SF	+0.006	87			
		48557.286			SF	+0.013	87			
AR	Per	48619.513			SD	+0.038	87			
RU	Psc	48591.316			MZ	-0.018	87			
T	Sex	48691.552		LB	AG	-0.076	87			2)
		48691.553		LV	AG	-0.075	87			2)
RV	UMa	48733.432			KB	+0.032	87			
TU	UMa	48745.433			SF	-0.032	87	-0.004	S92	
AE	UMa	48683.317			SF	+0.000	87			
BN	Vul	48437.489			PI	+0.019	87			
		48500.473			PI	+0.025	87			
		48503.433			PI	+0.014	87			
		48509.381			PI	+0.021	87			

B e m e r k u n g e n :

:	=	unsicher
LV	=	wie vor Filter: V
LB	=	wie vor Filter: B
F	=	Fotografische Beobachtung
red	=	reduzierte Ergebnisse
Sxx	=	Krakauer Katalog (SAC) nit xx = Jahr der Herausgabe
2)	=	Photometer: EMI 9781B Filter: V = GG495/1mm

B e m e r k u n g e n :

B = BG12 /1mm + GG385 /2mm

3) = Photometer: SSP3
5) = Photometer: Müller
7) = Auswertung: Messung mit Mikrophotometer
9) = Photometer: S20-Röhre Filter: V
10) = BAV - Rundbrief 36, 157 ff
11) = BAV - Rundbrief 39, 9 ff
12) = BAV - Rundbrief 41, 1 ff
13) = Monthly Notices of the Royal Astronomical Society 241, 281
14) = Revista Mexicana de Astronomia y Astrofisica 20,37
15) = Beobachterteam: A. Doppler, A.Gnädig, P. Hinze aus Berlin

3 . D E L T A - C E P H E I - S T E R N E 11

Stern	Max JD 24..	+/-	Ph	Obs	B-R 1	GCVS	B-R 2	Bem
SZ Aql	47424.20			TH	+1.53	85		1)
	48504.38			KB	+2.02	85		red
TT Aql	47388.60			TH	+1.61	85		red
	48502.75			KB	+1.63	85		red
	48571.04			DM	+1.15	85		red
FF Aql	48470.32			SF	-0.26	85		red
	48537.70			SC	+0.06	85		red
FN Aql	47395.30	:		TH	-0.15	85		1)
V1162 Aql	48098.07			TH	-0.02	85		1)
eta Aql	47366.62			WU	+0.28	85		red
	48486.15			MZ	+0.26	85		red
	48507.74			DM	+0.32	85		red
RT Aur	48196.13			DM	+0.48	85		red
	48651.33			SM	+0.85	85		red
	48718.02			SC	+0.43	85		red
RX Aur	48270.54			DM	+0.71	85		red
	48666.29			SM	+1.26	85		red
SY Aur	48621.20			KB	-0.11	85		red
RY CMa	48660.38			SM	+0.46	85		red
RW Cas	48549.50			TH	-0.85	85		red
	48623.55			KB	-0.78	85		red
SU Cas	46453.20			TH	+0.35	85		1)
	48458.94			SF	+0.24	85		red
TU Cas	48586.96			SU	+0.00	85		red
IX Cas	48520.05			TH	+1.14	85		red
CP Cep	48538.20			TH	+2.12	85		red
	48556.60			KB	+2.66	85		red
delta Cep	48122.76			DM	-0.12	85		red
	48514.38			SM	-0.24	85		red
	48541.38			SU	-0.07	85		red
X Cyg	48468.00			SF	+0.28	85		red
	48500.50			MZ	+0.01	85		red
	48598.52			DM	-0.29	85		red
SU Cyg	48470.41			SF	+0.22	85		red
	48520.28			SC	+0.10	85		red
	48520.50			SM	+0.31	85		red
	48570.31			DM	+0.13	85		red
TX Cyg	48546.55	:		KB	+0.31	85		red
VX Cyg	48534.35	:		KB	-0.78	85		red

3. DELTA-CEPHEI-STERNE

Stern	Max JD 24..	+/-	Ph	Obs	B-R 1	GCVS	B-R 2	Bem
BZ Cyg	48499.70			TH	-0.48	85		red
DT Cyg	48467.91			SF	-0.17	85		red
V459 Cyg	48520.25			TH	+0.83	85		red
V532 Cyg	47373.80			TH	-0.27	85		1)
W Gem	48350.12			DM	-0.11	85		red
	48682.42			SM	-0.19	85		red
zeta Gem	48262.22			DM	+0.12	85		red
	48688.38			SM	-0.05	85		red
AP Her	48491.43			KB	-3.43	85		red
V Lac	47085.50	:		TH	-0.42	85		1)
	48505.42			TH	-0.78	85		red
	48555.41			KB	-0.63	85		red
X Lac	48509.88			TH	+0.06	85		red
Z Lac	47388.60			TH	+0.41	85		1)
	48531.25			KB	+0.07	85		red
RR Lac	47165.60			TH	+0.20	85		1)
	47403.50			TH	+0.70	85		1)
	48545.32	:		KB	+0.43	85		red
BG Lac	48522.85			TH	+0.44	85		red
T Mon	47351.80			TH	-0.07	85		1)
	48297.85			BAU	+0.12	85		red
	48352.41			DM	+0.63	85		red
	48650.80	:		KB	+1.75	85		red
AW Per	48358.41			DM	+0.18	87		red
	48649.25			SM	+0.15	87		red
BM Per	48616.60			KB	+2.23	87		red
S Sge	48496.47			DM	+0.51	87		red
	48513.00			MZ	+0.28	87		red
	48538.16			KB	+0.29	87		red
RU Sct	48494.35	:		KB	+2.84	87		red
T Vul	47098.70			TH	+0.06	87		red
	48442.65			GE	+0.06	87		red
	48571.57			DM	+0.35	87		red
U Vul	48359.88			DM	+0.29	87		red
	48511.42			MZ	+0.01	87		red
X Vul	48536.72			KB	-0.15	87		red
SV Vul	48489.18			DM	+0.84	87		red
	48533.70			KB	+0.35	87		red

Bemerkungen:

: = unsicher
red = reduzierte Ergebnisse
1) = reduzierte, korrigierte Ergebnisse früherer BAV-Mitteilungen

4. MIRASTERNE

Stern	Phase	JD 24..	Magn.	Beob.	Stern	Phase	JD 24..	Magn.	Beob.
R And	Max	48499	8.25	FOV	RW And	Max	48220	8.2	MX
	Max	48509	8.2	DM	SV And	Max	48199	8.6	MX
V And	Max	48196	8.9	MX	BU And	Max	47920	9.9	MX
W And	Max	48247	7.85	DM	R Aql	Min	48394	10.6	HH
	Max	48654 :	7.1	MZ		Max	48518	6.4	FOV
Y And	Max	47947	8.9	MX		Max	48519	6.3	KR

Stern	Phase	JD 24..	Magn.	Beob.
R Aql	Max	48522	6.1	DM
	Max	48522	6.0	HH
RV Aql	Max	48533	8.9	MX
R Ari	Max	48246	8.8	DM
	Min	48529	12.8	MX
	Max	48612	7.9	DM
	Max	48618 :	8.4 :	MZ
R Aur	Min	47910	13.5	MX
X Aur	Min	48311	12.6	MX
	Max	48564	8.5	MO
RR Aur	Max	48000	9.7	MX
	Max	48308	9.4	MX
	Max	48616	10.6	MX
R Boo	Max	48310	7.15	DER
	Min	48436	12.8	MX
	Max	48541 :	7.0	MZ
	Max	48545	6.7	KR
S Boo	Min	48089	13.4	MX
	Max	48221	7.9	MX
	Max	48499	8.9	GS
	Max	48501	8.75	KR
RR Boo	Min	48038	14.9	MX
	Max	48129	10.3	MX
RT Boo	Max	48102	10.3	MX
X Cam	Max	48268	8.2	MX
	Min	48334	11.5	MX
	Max	48397	8.1	MX
	Min	48492	13.6	MX
	Max	48566	8.5	MX
SU Cam	Max	47972	9.7	MX
R Cnc	Max	48211	6.5	DM
V Cnc	Min	47987	13.0	MX
RR Cnc	Max	47961	9.3	MX
R CVn	Min	48317	12.0	MX
RT CVn	Max	48115	10.6	MX
S CMi	Max	48536	7.0	DM
U Cas	Max	47920	8.3	MX
V Cas	Max	48470	7.7	FOV
	Min	48590	12.4	MX
W Cas	Max	48670 :	8.7	MZ
SS Cas	Max	47955	10.0	MX
	Min	48296	13.2	MX
	Min	48580	13.2	MX
VZ Cas	Max	47905	10.1	MX
	Max	48236	10.1	MX
T Cep	Min	48348	10.6	MX
	Max	48544	5.35	KR
	Max	48546	5.7	DM
	Max	48547	5.8	FOV
	Max	48548	5.7	MX
X Cep	Max	48152	9.3	MX
RR Cep	Max	48240	10.1	MX
omikrCet	Max	48178	3.7	DM
S CrB	Min	48071	13.4	MX
	Max	48191	7.7	MX
	Min	48421	13.0	MX
V CrB	Max	48052	8.2	MX

Stern	Phase	JD 24..	Magn.	Beob.
X CrB	Min	48142	13.7	MX
R Cyg	Max	48460	8.9	MO
	Max	48464	8.6	HH
	Max	48474	8.0	DM
Z Cyg	Min	48214	13.6	MX
RT Cyg	Min	48122	12.6	MX
	Max	48203	8.0	MX
	Max	48379	7.0	DM
	Max	48380	7.0	HH
	Min	48492	12.4	MX
	Max	48577	7.8	MZ
TY Cyg	Max	48216	10.1	MX
	Max	48586	9.7	MX
CM Cyg	Max	48142	9.6	MX
CN Cyg	Max	48155	9.8	MX
CU Cyg	Min	48131	14.0	MX
	Max	48252	10.6	MX
DD Cyg	Min	47906	12.6	MX
	Max	48121	9.9	MX
	Min	48198	12.0	MX
V369 Cyg	Max	48187	10.3	MX
	Min	48240 :	13.9 :	MX
chi Cyg	Max	48292	5.6	DER
RX Del	Max	48222	11.5	MX
SS Del	Max	48597	9.8	PS
R Dra	Min	48121	12.7	MX
	Max	48223	8.0	MX
	Min	48367	12.9	MX
	Max	48477	7.5 :	GS
	Max	48478	7.55	FOV
	Max	48482	7.4	MX
	Max	48487	7.5	MO
	Max	48719	7.6	KR
X Gem	Max	48297	8.1	DER
S Her	Max	48127	7.0	MX
	Max	48430	7.3	DM
T Her	Max	48112	7.9	MX
	Min	48195	13.5	MX
	Max	48277	7.7	KR
	Max	48438	7.8	GS
	Max	48444	8.0	FOV
	Max	48446	8.0	MX
	Max	48447	8.15	DM
	Min	48525	13.4	MX
RS Her	Min	48143	11.9	MX
	Max	48465	7.9	FOV
	Max	48470	7.9	DM
RT Her	Max	48107	11.0	MX
RU Her	Min	48112	14.0	MX
RV Her	Max	48445	9.7	MX
SS Her	Min	48495	12.7	MX
	Max	48538	8.6	MX
SY Her	Max	48055	8.8	MX
	Min	48121	13.0	MX
	Max	48180	8.3	MX
XZ Her	Max	48143	11.0	MX
AE Her	Max	48103	9.0	MX

4 . M I R A S T E R N E

Stern	Phase	JD 24..	Magn.	Beob.	Stern	Phase	JD 24..	Magn.	Beob.
DO Her	Max	48052	11.2	MX	SS Peg	Max	48175	8.7	MX
DS Her	Max	48082	10.4	MX	AN Peg	Max	48185	10.3	MX
S Lac	Max	48120	8.2	MX	DL Peg	Max	48207	10.3	MX
	Min	48258	12.7	MX	FF Peg	Max	48226	10.1	MX
R Leo	Max	48247	5.9	DM	AI Per	Max	47940	11.4	MX
	Max	48251	5.95	DER	U Psc	Max	47928	11.4	MX
	Min	48727	9.5	HO	R Ser	Max	48380 :	7.6	DER
RS Leo	Max	47933	10.2	MX		Max	48381 :	7.3	HH
X Lyn	Max	47918	9.3	MX		Max	48390	7.45	DM
S Lyr	Max	48157	11.3	MX	WW Ser	Max	48140	10.9	MX
W Lyr	Max	48456	7.55	FOV	R Tri	Min	48591	12.2	MX
	Max	48459	7.7	GS	R UMa	Max	48298	7.5	DER
	Max	48465	7.6	MX	S UMa	Min	48386	11.4	MX
	Max	48466	7.4	KR		Max	48475 :	8.1	GS
	Max	48466	7.7	MO		Max	48475	8.2	MX
	Max	48467	7.65	DM		Max	48494	8.0	GI
	Min	48567	12.5	MX	T UMa	Min	48343	13.5	MX
AB Lyr	Max	48095	10.7	MX		Max	48450	8.6	GS
Y Mon	Max	47996	9.0	MX		Max	48457	8.6	MX
RS Mon	Max	47902	10.0	MX	X UMa	Max	47961	10.5	MX
X Oph	Max	48390	7.0	HH	RR UMa	Max	48015	9.8	MX
	Max	48393	7.05	DM	RS UMa	Max	48326	8.7	MX
RU Oph	Max	48158	9.8	MX		Min	48502	14.7	MX
RY Oph	Max	48511	8.5	MX	S UMi	Min	48072	12.1	MX
V450 Oph	Max	48150	11.3	MX		Max	48559	8.7	MZ
U Ori	Max	48203	6.6	DM	R Vir	Max	48345 :	7.1	DER
	Max	48591	7.6 :	MO		Max	48346	7.0	DM
S Peg	Max	48184	7.6	MX		Min	48417	11.3	MX
T Peg	Max	48555	9.3	MO	SU Vir	Max	48015	9.6	MX
W Peg	Min	48179	12.6	MX	R Vul	Max	48454	8.4	GS
Y Peg	Max	48217	10.5	MX		Min	48526	12.3	MX

B e m e r k u n g e n :

: = unsicher
Alle Helligkeiten im Harvard-System (AAVSO charts)

5 . S R - / R V - / L B - S T E R N E

Stern	Phase	JD 24..	Magn.	Beob.	Stern	Phase	JD 24..	Magn.	Beob.
RU And	Max	48562	10.9	MX	W Cyg	Min	48360	6.5	HH
	Min	48611	12.4	MX		Max	48424	5.65	HH
ST And	Max	48463	8.5	HH		Max	48426	5.95	DM
TV And	Max	48475	8.7	GS		Min	48502	6.5	HH
	Min	48513 :	10.4	GS		Min	48519	6.6	DM
S Aql	Min	48500	11.9	MX		Max	48563	6.1	DM
	Max	48569	9.2	MX		Max	48582	6.0	HH
V Boo	Max	48403	8.1	MZ		Min	48625	6.5	DM
	Max	48416	8.5	HH		Min	48625 :	6.5	HH
	Min	48472	8.85	HH		Max	48693	5.75	HH
	Max	48539	8.0	HH	RU Cyg	Min	48337 :	8.7	GS
WZ Cas	Max	48377	6.5	GS		Max	48450	7.8	GS
	Min	48473	7.0	GS	TZ Cyg	Max	48466	10.3	GS
RR CrB	Max	48448	7.6	GS	AA Cyg	Max	48246	8.9	MX

Stern	Phase	JD 24..	Magn.	Beob.
AF Cyg	Max	48345	6.55	HH
	Max	48348	6.7	DM
	Min	48397	7.45	HH
	Min	48404	7.7	DM
	Max	48436	6.9	HH
	Max	48442	6.95	DM
	Min	48491	7.5	HH
	Min	48494	8.0	SM
	Min	48502	7.65	DM
	Max	48533	6.6	SM
	Max	48540	6.9	DM
	Max	48540	6.7	HH
	Min	48572	7.7	SM
	Min	48576	7.7	DM
	Max	48614	6.65	DM
AI Cyg	Max	48202	8.8	HH
	Min	48282 :	9.35	HH
	Max	48349	8.85	HH
	Min	48420	9.4	HH
	Max	48507 :	8.85	HH
	Min	48580 :	9.2	HH
EU Del	Max	48379	5.95	DM
	Max	48503	5.9	DM
	Min	48534	6.45	DM
	Max	48562	6.0	DM
	Min	48610	6.4	DM
TX Dra	Min	48457	7.5	GS
X Her	Min	48134	6.9	DM
	Max	48181 :	6.6	DM
	Max	48393	6.5	DM
	Min	48448	7.3	DM
	Max	48568	6.45	DM
UU Her	Max	48516	8.8	SC
	Min	48545	9.3	SC
AC Her	Min	48399	8.35	HH
	Max	48418	7.2	HH
	Min	48443	7.8	HH
	Min	48443 :	8.3	SM
	Max	48459	7.5	HH
	Min	48474	8.6	SM
	Min	48477	8.45	HH
	Max	48490	7.2	DM
	Max	48490	7.9	SM
	Min	48512	8.1	DM
	Min	48514	8.5	SM
	Max	48525	7.75	SM
	Max	48527	7.2	DM
	Min	48547	8.0	DM
	Min	48547	9.0	SM
	Max	48561	7.9	SM
	Min	48584	8.2	SM
	Max	48600	7.9	SM
alphaHer	Max	47380	3.0	DM
	Min	47430	3.35	DM
	Max	47461	2.95	DM
	Max	47692	3.05	DM
alphaHer	Max	48037	2.95	DM
	Min	48127	3.55	DM
g Her	Min	47386	5.3	DM
	Max	47978	4.45	DM
	Min	48035	5.1	DM
	Max	48080	4.55	DM
	Min	48127	5.15	DM
	Max	48149	4.55	DM
	Min	48177	5.25	DM
	Max	48191	4.70	DM
	Min	48200	5.25	DM
U Mon	Max	48621	6.85	HH
	Min	48641 :	7.15:	HH
	Min	48645	7.5	SM
	Max	48660	6.8	HH
	Max	48660	7.0	SM
	Min	48687	7.6	HH
	Max	48688	7.65	KR
	Min	48688	7.7	SM
	Max	48712 :	7.1	SM
X Mon	Min	48625 :	8.9 :	HH
	Max	48675	7.7	HH
SY Per	Max	48017	9.5	MX
rho Per	Max	48122	3.25	DM
	Min	48145	3.85	DM
	Max	48185	3.25	DM
	Min	48206	3.55	DM
	Max	48278	3.3	DM
	Min	48303	3.45	DM
	Max	48323	3.35	DM
R Sct	Max	48389	5.35	DM
	Min	48428	6.35	DM
	Max	48456	4.75	SM
	Max	48459	4.9	KR
	Max	48462	4.9	DM
	Min	48487	5.75	KR
	Min	48490	5.95	DM
	Min	48497	5.6	SM
	Max	48512	5.55	DM
	Max	48515	5.35	KR
	Max	48522	5.35	SM
	Min	48555	6.55	KR
	Min	48556	6.9	SM
	Min	48557	7.0	DM
	Min	48559	6.75	SG
	Min	48560	7.1	TI
Z UMa	Max	48090	7.25	DM
	Min	48103	7.4	DM
	Max	48117	7.05	DM
	Min	48222	8.6	DM
	Max	48251	7.45	DM
	Min	48286	7.85	DM
	Max	48321	7.0	DM
	Min	48401	8.8	DM
	Max	48515	6.9	KR
V Vul	Min	48436	9.3 :	GS

5. SR- / RV- / LB-STERNE

Bemerkungen:

: = unsicher
Alle Helligkeiten im Harvard-System (AAVSO charts)

6. EXPLOSIVE UND IRREGULÄRE

Stern	Phase	JD 24..	Magn.	Beob.	Stern	Phase	JD 24..	Magn.	Beob.
RX And	Max	48511	11.2	MO	SS Cyg	Max	48448	8.5	GS
	Max	48544	: 11.4 :	MO		Max	48508	8.1	MO
	Max	48570	11.4	MO		Max	48512	8.4	GS
	Max	48631	10.5	MO		Max	48585	8.3	MO
AR And	Max	48558	12.0	MO	U Gem	Max	48615	9.0	MO
	Max	48596	12.1	MO	AH Her	Max	48506	11.4	MO
Z Cam	Max	48512	11.0	MO	RU Peg	Max	48488	: 11.5	MO
	Max	48558	10.3	MO	UV Per	Max	48614	: 12.0	MO
	Max	48602	10.5	MO	KT Per	Max	48508	12.2	MO
	Max	48620	10.8	MO		Max	48556	12.1	MO
YZ Cnc	Max	48626	10.9	MO		Max	48618	12.4	MO
SS Cyg	Max	48447	8.3	MO	SU UMa	Max	48609	11.5	MO

Bemerkungen:

: = unsicher
Alle Helligkeiten im Harvard-System (AAVSO charts)

8. KORREKTUREN zu älteren BAV-Mitteilungen

Korrekturen zu BAV - Mitteilung Nr. 46

bitte streichen: SU Cas 46449,34 TH

Korrekturen zu BAV - Mitteilung Nr. 52

bitte streichen:

SZ	Aql	47406,30	TH
FN	Aql	47388,37	TH
V532	Cyg	47370,53	TH
V	Lac	47083,77	TH
Z	Lac	47377,60	TH
RR	Lac	47159,35	TH
RR	Lac	47397,03	TH
T	Mon	47325,50	TH
AW	Per	47502,60	TH

Korrekturen zu BAV - Mitteilung Nr. 59

bitte streichen: V1162 Aql 48096,25 TH SD

Herausgeber: B A V Munsterdamm 90 D - 1000 Berlin 41