



BAV Mitteilungen

Beobachtungsergebnisse
Bundesdeutsche 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 . 1 7 1)

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von J. Hübscher, Berlin

In this 51th compilation of BAV results, visual observations obtained in the years 2003 and 2004 are presented on 392 variables stars giving 880 minima and maxima.

Die vorliegende 51. Beobachtungszusammenstellung der BAV enthält überwiegend Ergebnisse aus den Jahren 2003 und 2004. Insgesamt werden 880 visuelle Ergebnisse von 392 Veränderlichen publiziert.

B E O B A C H T E R :

BOR	E.	Born	Erlangen	MYR	Dr.	R. Meyer	Wassertrüdingen
BR	W.	Braune	Berlin	NMN	J.	Neumann	Leipzig
ENS	P.	Enskonatus	Berlin	RCR	K.	Rätz	Herges-Hallenberg
GS	Dr. J.	Gensler	Bad Neustadt	SG	Dr. P.	Sterzinger	Wien < A >
HIN	R.	Hinzpeter	Coswig	SHB	M.	Schabacher	Wuppertal
HLB	A.	Holbe	Bad Salzdetfurth	SM	A.	Sturm	Saarburg
HO	P.	Hoffmann	Schellerten	SU	H.	Schubert	Großhansdorf
KR	G.	Krisch	Bockenem	SV	H.	Strüver	Duisburg
LGE	T.	Lange	Bovenden	TIK	K.	Tikkanen	Ouhu < FIN >
MX	H.	Marx	Korntal-Münchingen	VOH	F.	Vohla	Altenburg

Die Ergebnisse wurden aus rund 12.000 Einzelschätzungen von 20 Beobachtern abgeleitet. Es werden 106 Minima von 91 Bedeckungssternen, 75 Maxima von 40 RR-Lyrae-Sternen, 55 Maxima von 53 Delta Cephei Sternen, 258 Ergebnisse von 144 Mirasternen, 352 Ergebnisse von 58 Halbregelmäßigen und RV Tauri Sternen und 34 Ergebnisse von 6 Kataklysmischen mitgeteilt.

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 vor.

Für die Unterstützung unserer Arbeit danken wir besonders der Sternwarte Sonneberg, der Russischen Akademie der Wissenschaften, dem Observatorium Astronomiczne Krakow der Uniwersyteyt Jagiellonski, sowie den IAU - Kommissionen 27 und 42.

Stern		Min JD 24..	P	Obs	B - R		Bem
XZ	And	52997.292		MYR	+0.139	GCVS 85	
SU	Aqr	52913.384		MYR			
KP	Aql	52854.473	s	MYR	-0.009	s GCVS 85	
QY	Aql	52548.46		MYR	-0.13	GCVS 85	red
V805	Aql	52867.52		MYR	+0.01	GCVS 85	red
V1353	Aql	52848.279		MYR	+0.002	BAV Rbf. 44, 62	red
		52848.965	s	MYR	-0.020	s BAV Rbf. 44, 62	red
RS	Ari	52648.29		MYR	-0.08	GCVS 85	red
SS	Ari	52878.460		MYR	+0.000	GCVS 85	
		52902.417		MYR	+0.003	GCVS 85	
SX	Aur	53007.356		MYR	+0.020	GCVS 85	
TT	Aur	52965.331		MYR	-0.016	GCVS 85	
		52981.323		MYR	-0.017	GCVS 85	
IY	Aur	53052.399		MYR	-0.101	GCVS 85	
ZZ	Boo	52792.455		MYR	+0.065	GCVS 85	
		53079.478	s	MYR	+0.063	s GCVS 85	
SV	Cam	52887.404		MYR	+0.060	GCVS 85	
		53107.419		MYR	+0.046	GCVS 85	
AL	Cam	53007.402	:	MYR	-0.011	GCVS 85	
AT	Cam	53055.471		MYR	-0.024	BAV Rbf. 32, 36ff	
		53060.356	s	MYR	-0.025	s BAV Rbf. 32, 36ff	
S	Cnc	52321.45		MYR	-0.09	GCVS 85	red
WY	Cnc	53081.351		MYR	-0.015	GCVS 85	
YY	CMi	53055.421		MYR	+0.009	GCVS 85	
RX	Cas	52906.33		MYR	+0.51	BAV Mitt. Nr.114	red
TV	Cas	52862.437		MYR	-0.015	GCVS 85	
TW	Cas	52939.348		MYR	-0.003	GCVS 85	
AQ	Cas	52900.92		MYR	-0.31	GCVS 85	red
KR	Cas	52874.59		MYR	-0.14	GCVS 85	red
LR	Cas	52902.61		MYR	-0.04	GCVS 85	red
V381	Cas	52867.435		MYR	-0.010	BAV Rbf. 32, 36ff	
V459	Cas	52874.35	s	MYR	-0.05	s IBVS No. 4737	red
		52878.63		MYR	+0.00	IBVS No. 4737	red
WX	Cep	52908.393		MYR	-0.019	s GCVS 85	
XX	Cep	52847.461		MYR	-0.022	GCVS 85	
XZ	Cep	52860.257		MYR	+0.049	GCVS 85	red
ZZ	Cep	52940.379		MYR	-0.013	GCVS 85	
GT	Cep	52862.15		MYR	+0.12	SAC 73	red
NW	Cep	52898.33		MYR	-0.35	GCVS 85	red
XY	Cet	52981.435	s	MYR	+0.016	s GCVS 85	
VW	Cyg	52877.337		MYR	+0.186	GCVS 85	red
V367	Cyg	52882.90		MYR	+0.13	GCVS 85	red
		52891.86	s	MYR	-0.20	s GCVS 85	red
V455	Cyg	52863.00		MYR			red
		52867.22	s	MYR			red
V463	Cyg	52852.487		MYR	+0.020	SAC 63	
V548	Cyg	52854.442		MYR	+0.002	GCVS 85	
		52901.381		MYR	+0.006	GCVS 85	
TZ	Dra	52896.419		MYR	-0.017	GCVS 85	
UZ	Dra	52867.430		MYR	-0.004	GCVS 85	
AI	Dra	52793.434		MYR	+0.003	GCVS 85	
S	Equ	52860.421		MYR	+0.056	GCVS 85	red
YY	Eri	52981.433		MYR	-0.052	GCVS 85	
		52997.340		MYR	-0.059	s GCVS 85	
RX	Gem	53094.15		MYR	+0.07	GCVS 85	red
RY	Gem	52716.121		MYR	-0.104	GCVS 85	red
WW	Gem	53056.451		MYR	+0.029	GCVS 85	
GW	Gem	53028.364		MYR	+0.031	GCVS 85	

Stern	Min JD 24..	P	Obs	B - R		Bem
GW	Gem	53055.395	MYR	+0.025	GCVS 85	
TX	Her	52857.457	MYR	+0.001	GCVS 85	
UX	Her	52800.456	MYR	+0.043	GCVS 85	
AW	Her	52878.715	MYR	+0.135	GCVS 85	red
V842	Her	52800.452 s	MYR	-0.016 s	BAV Rbf. 49,180	
		53112.433	MYR	-0.010	BAV Rbf. 49,180	
GK	Hya	53052.418	MYR	-0.024	BAV Rbf. 51,137	
GM	Hya	53055.25	MYR			red
RT	Lac	52834.337	MYR	-0.055	GCVS 85	red
		52836.839 s	MYR	-0.090 s	GCVS 85	red
SW	Lac	52927.339	MYR	+0.072 s	GCVS 85	
UW	Lac	52831.20	MYR	-0.34	SAC 63	red
CM	Lac	52855.431	MYR	-0.001	GCVS 85	
UV	Leo	53107.424	MYR	+0.002	IBVS No. 5338	
AG	Leo	53055.440 :	MYR	-0.007	GCVS 85	
UZ	Lyr	52847.464	MYR	-0.020	GCVS 85	
FL	Lyr	52867.456	MYR	-0.006	GCVS 85	
beta	Lyr	52885.38	SM	+0.76 s	GCVS 85	red
AQ	Mon	53028.360	MYR	-0.076	GCVS 85	
AV	Mon	52997.833	MYR	-0.122	SAC 63	red
V448	Mon	53007.524	MYR	+0.030	GCVS 85	red
V460	Mon	53043.51 :	MYR	+0.19	GCVS 85	red
U	Oph	52827.441 s	MYR	+0.002 s	GCVS 85	
V451	Oph	52857.433	MYR	+0.001 s	GCVS 85	
CP	Ori	53001.656	MYR	-0.185	SAC 63	red
FT	Ori	52715.390 s	ENS	+0.010	GCVS 85	
U	Peg	52878.465 s	MYR	-0.004 s	BAV Rbf. 45, 3	
AT	Peg	52850.452	MYR	+0.020	GCVS 87	
AW	Peg	52855.59	MYR	+0.01	GCVS 87	red
DF	Peg	52878.59	MYR	+0.09	GCVS 87	red
DK	Peg	52852.481	MYR	+0.076	GCVS 87	
		52901.420	MYR	+0.061	GCVS 87	
DM	Peg	52877.455	MYR	+0.096	GCVS 87	
Z	Per	52896.406	MYR	-0.173	GCVS 87	
ST	Per	52982.356	MYR	+0.178	GCVS 87	
LX	Per	52996.51	MYR	-0.02	GCVS 87	red
beta	Per	52927.398	MYR	+0.065	GCVS 87	
		53056.439	MYR	+0.076	GCVS 87	
SZ	Psc	52877.32	MYR	-0.70	GCVS 87	red
U	Sge	52863.54	MYR	-0.02	GCVS 87	red
AN	Tau	53028.354	MYR	+0.079 s	GCVS 87	
RS	Tri	52885.435	MYR	-0.017	GCVS 87	
RW	UMa	52792.45	MYR	-0.12	GCVS 87	red
W	UMi	53007.347	MYR	-0.126	GCVS 87	
AH	Vir	53112.427	MYR	-0.048 s	GCVS 87	
RR	Vul	52874.449	MYR	-0.061	GCVS 87	
RS	Vul	52899.56	MYR	+0.03	GCVS 87	red
FR	Vul	52898.374	MYR	-0.002	GCVS 87	

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

: = unsicher

s = Nebenminimum

red = reduzierte Ergebnisse

GCVS yy = General Catalogue of Variable Stars, 4.Auflage, 19yy

IBVS No. = Information Bulletin on Variable Stars Nr. nnnn

SAC bb = Krakauer Katalog mit Ephemeriden Nr. bb (SAC), Krakau

BAV Mitt. = BAV Mitteilungen Nr. nnn

BAV Rbf. = BAV Rundbrief Jahrgang, Seite

Stern		Max JD 24..	P	Obs	B - R	Bem
SW	And	52901.443		MYR	-0.021	IBVS 4143 BAVM 76
XX	And	52896.456		MYR	+0.012	BAV Rbf. 48,189
OV	And	52855.436		MYR	-0.006	MVS 11,133
SW	Aqr	52854.458		MYR	+0.011	GCVS 85
AA	Aql	52850.456		MYR	+0.014	BAV Mitt. Nr. 78
X	Ari	52908.463		MYR	+0.010	BAV Rbf. 48,189
		52940.390		MYR	+0.029	BAV Rbf. 48,189
		52983.362		MYR	+0.025	BAV Rbf. 48,189
UY	Boo	52792.487		MYR	+0.029	BAV Rbf. 48,121
		52807.470		MYR	+0.041	BAV Rbf. 48,121
		53081.484		MYR	+0.018	BAV Rbf. 48,121
TT	Cnc	53060.426		MYR	+0.012	BAV Rbf. 47, 67
RZ	CVn	53056.514		MYR	+0.074	BAV Rbf. 48,189
		53110.443		MYR	+0.101	BAV Rbf. 48,189
RZ	Cep	52648.443		MYR	-0.065	GCVS 85
		52811.432		MYR	-0.062	GCVS 85
		52836.439		MYR	-0.058	GCVS 85
RR	Cet	52913.463		MYR	+0.015	GCVS 85
S	Com	52793.471		MYR	+0.014	SAC 73
ST	Com	53056.481		MYR	-0.013	BAV Rbf. 47, 67
		53107.404		MYR	+0.001	BAV Rbf. 47, 67
UY	Cyg	52874.424		MYR	+0.034	GCVS 85
XZ	Cyg	52896.441		MYR	+0.036	BAV Rbf. 48,189
		52939.373		MYR	+0.042	BAV Rbf. 48,189
DM	Cyg	52835.444		MYR	+0.006	BAV Rbf. 51, 98ff
RW	Dra	52855.500		MYR	+0.144	GCVS 85
		52887.385		MYR	+0.140	GCVS 85
XZ	Dra	52864.392		MYR	-0.064	GCVS 85
		52927.299		MYR	-0.055	GCVS 85
BK	Dra	52807.470		MYR	+0.057	BAV Rbf. 46, 1
		52897.459		MYR	+0.051	BAV Rbf. 46, 1
TW	Her	53112.445		MYR	+0.001	GCVS 85
VX	Her	52792.436		MYR	+0.099	GCVS 85
VZ	Her	52827.462		MYR	+0.061	GCVS 85
AR	Her	52811.460		MYR	+0.005	BAV Rbf. 52, 3ff
		52834.505		MYR	+0.021	BAV Rbf. 52, 3ff
SZ	Hya	53060.497		MYR	-0.153	GCVS 85
		53081.475		MYR	-0.127	GCVS 85
CZ	Lac	52855.478		MYR	+0.013	BAV Rbf. 53, 12f
		52878.381		MYR	+0.010	BAV Rbf. 53, 12f
		52897.401		MYR	+0.015	BAV Rbf. 53, 12f
		52903.444		GS	+0.006	BAV Rbf. 53, 12f
RR	Leo	53107.431		MYR	+0.037	BAV Rbf. 47, 67
ST	Leo	53112.405		MYR	-0.007	GCVS 85
RR	Lyr	52791.428		SV	-0.016	SAC 73
		52800.507		SV	-0.007	SAC 73
		52850.416		MYR	+0.023	SAC 73
RR	Lyr	52888.377		TIK	+0.007	SAC 73
		52897.437		MYR	-0.002	SAC 73
		52926.363		MYR	+0.016	SAC 73
		53051.650	:	SV	+0.037	SAC 73
		53055.602		SV	+0.021	SAC 73
		53059.580		SV	+0.031	SAC 73
		53080.646		SV	+0.125	SAC 73
CN	Lyr	52874.423		MYR	-0.009	BAV Rbf. 43, 57
EZ	Lyr	52836.479		MYR	+0.038	BAV Rbf. 34,145ff
		52908.399		SHB	-0.003	BAV Rbf. 34,145ff
		52908.438		MYR	+0.036	BAV Rbf. 34,145ff
		52927.343		MYR	+0.031	BAV Rbf. 34,145ff

2. R R - L Y R A E - / D E L T A - S C U T I - S T E R N E

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Stern		Max JD 24..	P	Obs	B - R	Bem
IO	Lyr	52834.466		MYR	+0.000	GCVS 85
VV	Peg	52913.384		MYR	-0.018	GCVS 87
AV	Peg	52913.471		MYR	+0.032	BAV Rbf. 47, 67
		52983.342		MYR	+0.026	BAV Rbf. 47, 67
CG	Peg	52811.465		MYR	-0.015	SAC 72
AR	Per	52927.374		MYR	+0.068	GCVS 87
		53070.356		MYR	+0.065	GCVS 87
VY	Ser	52792.445		MYR	+0.004	BAV Rbf. 41, 1ff
		52807.434		MYR	-0.003	BAV Rbf. 41, 1ff
AN	Ser	52827.475		MYR	-0.013	GCVS 87
		53110.443		MYR	-0.007	GCVS 87
T	Sex	53056.502		MYR	-0.076	BAV Rbf. 51,247
		53110.423		MYR	-0.057	BAV Rbf. 51,247
AT	Vir	52793.434		MYR	-0.211	GCVS 87
		53110.470		MYR	-0.228	GCVS 87
BN	Vul	52902.421		MYR	-0.006	SAC 73

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MVS bb,sss = Mitteilungen über Veränderliche Sterne Band,Seite

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

Stern		Max JD 24..	P	Obs	B - R	Bem
U	Aql	52889.72		MYR	+0.20	GCVS 85 red
FN	Aql	52875.75		MYR	-0.01	GCVS 85 red
V1162	Aql	52877.71		MYR	+0.27	GCVS 85 red
eta	Aql	52885.37		MYR	+0.20	GCVS 85 red
Y	Aur	52996.78		MYR	+0.14	GCVS 85 red
RT	Aur	53065.19		SM	+0.02	BAV Rbf. 53, 37ff red
RX	Aur	53001.54		MYR	+0.94	GCVS 85 red
		53059.33		SM	+0.61	GCVS 85 red
BK	Aur	52980.44		MYR	-0.10	GCVS 85 red
RW	Cam	52935.00		MYR	+1.02	GCVS 85 red
RX	Cam	52981.08		MYR	+0.08	GCVS 85 red
RY	CMa	53081.39		SM	+0.53	GCVS 85 red
TW	Cap	52858.96		MYR	+2.56	GCVS 85 red
RY	Cas	52856.92		MYR	+0.90	GCVS 85 red
TU	Cas	52968.19		MYR	-0.05	GCVS 85 red
UZ	Cas	52998.04		MYR	+0.21	GCVS 85 red
VV	Cas	52904.54		MYR	-0.16	GCVS 85 red
CG	Cas	52903.15		MYR	+0.41	GCVS 85 red
CH	Cas	52861.47		MYR	+2.94	GCVS 85 red
CY	Cas	52858.29		MYR	+0.93	GCVS 85 red
AK	Cep	52876.73		MYR		red
delta	Cep	52877.33		SM	-0.13	GCVS 85 red
X	Cyg	52859.00		MYR	-0.26	GCVS 85 red
SU	Cyg	52861.95		MYR	+0.14	GCVS 85 red
VZ	Cyg	52879.45		MYR	+0.10	GCVS 85 red
BZ	Cyg	52871.35		MYR	+0.00	GCVS 85 red
V532	Cyg	52884.08		MYR	+0.11	GCVS 85 red

Stern		Max JD 24..	P	Obs	B - R		Bem
W	Gem	53052.89		SM	+1.87	GCVS 85	red
zeta	Gem	53082.43		SU	-1.26	GCVS 85	red
Z	Lac	52907.87		MYR	+0.67	GCVS 85	red
RR	Lac	52908.33		MYR	+0.40	GCVS 85	red
T	Mon	53055.37		MYR	-1.05	BAV Rbf. 42, 1ff	red
		53056.59		SM	+0.16	BAV Rbf. 42, 1ff	red
SV	Mon	53057.25		MYR	+1.38	GCVS 85	red
TZ	Mon	53054.58		MYR	-0.12	GCVS 85	red
CV	Mon	53024.85		MYR			red
BF	Oph	52810.42		SM			red
RS	Ori	53081.71		MYR	+0.22	GCVS 85	red
SV	Per	52998.87		MYR	+0.15	GCVS 87	red
UY	Per	53015.02		MYR	+0.06	GCVS 87	red
VY	Per	52900.77		MYR	+0.06	GCVS 87	red
AW	Per	52986.31		MYR	+0.15	GCVS 87	red
U	Sgr	52849.68		SM	+0.34	GCVS 87	red
W	Sgr	52815.42		SM	+0.03	GCVS 87	red
X	Sgr	52811.42		SM	+0.64	GCVS 87	red
Y	Sgr	52811.62		SM	+0.26	GCVS 87	red
YZ	Sgr	52816.31		SM	+0.43	GCVS 87	red
AP	Sgr	52843.42		SM			red
BB	Sgr	52745.98		SM	+0.42	GCVS 87	red
V350	Sgr	52810.77		SM	+0.05	GCVS 85	red
RV	Sco	52812.82		SM			red
Z	Sct	52877.74		MYR	+0.78	GCVS 87	red
RU	Sct	52869.23		MYR	+4.17	GCVS 87	red
T	Vul	52860.37		MYR	+0.07	GCVS 87	red
SV	Vul	52843.58		MYR	-10.93	GCVS 87	red

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

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
R	And	Max 52189	8.2	KR	R	Aur	Max 52992	9.5	VOH
		Max 52608	7.8	LGE	W	Aur	Max 52721	8.7	MX
		Max 53025:	8.0	VOH	X	Aur	Max 52708	8.6	VOH
W	And	Max 52605:	7.9	LGE			Max 52875	7.8	VOH
RW	And	Max 52927:	8.3	HIN	RR	Aur	Max 52663	10.0	MX
SV	And	Max 52913:	9.0	HIN	UV	Aur	Min 52680:	7.7	NMN
BG	And	Max 52885	8.8	MX	VX	Aur	Min 52688	13.1	MX
T	Aqr	Min 52539:	12.1	KR	R	Boo	Max 52804	6.6	RCR
R	Aql	Max 52103	6.45	KR			Max 52810	6.85	KR
		Max 52894	6.6	RCR			Max 52817	7.4	VOH
		Max 52908	6.9	MYR			Max 53036	7.4	VOH
RR	Aql	Max 52855	8.4	KR	S	Boo	Max 52891	8.9	VOH
EU	Aql	Max 52865	12.3	MX	RT	Boo	Min 52807	13.1	MX
R	Ari	Max 52321	7.9	KR	R	Cam	Max 52877	8.3	MYR
R	Aur	Max 52703	7.4	VOH	W	Cam	Max 52771	10.5	MX

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
X	Cam	Min 52648	13.7	MX	AM	Cyg	Max 52960	11.4	MX
		Max 52713	8.2	MX	BG	Cyg	Max 52670	10.6	LGE
		Min 52799	13.2	MX			Min 52810	12.0	LGE
		Max 52875	8.3	MX			Max 52924	10.6	VOH
		Min 52936	13.0	MX	CN	Cyg	Max 52738	9.4	VOH
		Max 53006	8.0	MX			Max 52945	9.0	VOH
TX	Cam	Max 52973	11.2	HIN			Max 52946	8.6	HIN
R	CVn	Max 52768	7.6	VOH	LV	Cyg	Max 52933	10.5	MX
U	CVn	Max 52858	10.8	MX	V369	Cyg	Min 52843	13.9	MX
R	CMi	Min 52650:	11.8	LGE	chi	Cyg	Max 51930	5.5	KR
S	CMi	Min 52695:	11.5	LGE			Max 52328	4.1	KR
U	CMi	Max 52620:	9.2	LGE			Min 52563	13.4	KR
V	CMi	Max 52633	7.3	NMN			Max 52733	5.3	SM
		Max 52646:	7.8	LGE			Max 52734	5.25	KR
V	Cas	Max 52836	7.8	VOH			Max 52737:	5.5	LGE
W	Cas	Max 52740	8.8	VOH			Max 52737	5.4	VOH
		Min 52954	12.3	VOH			Max 52740	5.5	LGE
Y	Cas	Max 52855	10.8	LGE	R	Del	Max 52937	8.7	HIN
RR	Cas	Min 52901	14.9	MX	S	Del	Max 52710:	8.9	LGE
RV	Cas	Max 52977	9.4	MX			Min 52815	12.3	LGE
		Max 52981	9.0	HIN	RU	Del	Max 52963	10.4	MX
SS	Cas	Max 52967	9.4	HIN	RX	Del	Max 52884	10.8	MX
VZ	Cas	Max 52971	9.9	HIN	R	Dra	Max 52986:	7.6	RCR
WY	Cas	Max 52964	9.1	MX	W	Dra	Max 52836	11.3	MX
S	Cep	Max 52991	7.7	VOH 1)	Y	Dra	Max 52947	9.1	MYR
T	Cep	Min 52682	10.2	MX	RT	Dra	Max 52969	9.4	MX
		Min 52698	10.3	VOH			Max 52972	9.4	HIN
		Max 52891	5.75	RCR	RV	Dra	Min 52857	14.5	MX
		Max 52895	6.3	VOH			Max 52954	9.5	HIN
		Max 52902	5.8	MX	R	Gem	Max 52595:	6.6	LGE
Y	Cep	Max 52779	10.0	MX	S	Gem	Max 52649	9.2	LGE
BF	Cep	Max 52754	10.6	MX	T	Gem	Max 52730	8.5	HLB
S	CrB	Min 52800:	12.2	VOH			Max 52730	8.5	KR
		Max 52939	7.5	HIN	V	Gem	Max 52620	9.7	LGE
		Max 52942	7.5	VOH	ST	Gem	Max 52667	9.9	MX
Z	CrB	Max 52793	9.5	LGE	BP	Gem	Max 52709	10.4	MX
R	Cyg	Max 52248	6.6	KR	S	Her	Max 52124	7.4	KR
		Min 52514	14.1	KR			Max 52422	7.15	KR
		Max 52684	9.0	KR			Max 52737	7.0	KR 1)
		Max 52709	9.4	VOH			Min 52887	13.0	KR
		Min 52928	13.6	KR	T	Her	Max 52052	8.6	KR
U	Cyg	Max 52941	7.5	VOH			Min 52141	13.8	KR
Z	Cyg	Max 52802	8.7	VOH			Max 52394	8.3	KR
		Min 52964	13.8	MX			Min 52476	13.2	KR
RT	Cyg	Min 51921:	12.85	KR			Max 52717	7.6	KR
		Min 52495	11.95	KR			Min 52803	12.8	MX
		Max 52770	7.8	VOH			Min 52807	12.65	KR
		Max 52772	7.4	KR			Max 52870:	6.9	RCR
		Max 52772:	7.2	LGE			Max 52874	7.05	KR
		Min 52864	12.15	KR			Max 52879	7.0	VOH
		Max 52963	6.8	HIN			Max 53064:	8.6	VOH
		Max 52967	6.4	SU	U	Her	Max 52725	7.7	VOH
		Max 52968	6.8	VOH	W	Her	Max 52885	8.1	VOH
TW	Cyg	Max 52952	9.8	MX	RS	Her	Max 52835	8.0	VOH
TY	Cyg	Max 52870	9.7	VOH			Max 53047:	8.2	VOH
		Max 52878	9.6	LGE	RV	Her	Max 52758	9.5	KR
UX	Cyg	Max 52939	9.3	MX	RY	Her	Min 52847	13.8	MX

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
SS	Her	Max 52494:	9.4	KR	RX	Per	Max 52689	11.4	MX
SY	Her	Min 52078	12.0	KR	S	Psc	Max 52971	9.2	MX
		Max 52725	8.1	KR	U	Psc	Max 52976	11.0	MX
		Min 52787	13.4	KR	ST	Sge	Max 52964	10.3	MX
		Min 52788	13.3	MX	R	Ser	Max 51922	5.2	KR
		Max 52845	8.55	KR			Min 52143	13.5	KR
		Min 52903	12.0	KR	U	Ser	Max 52739	8.6	KR
		Max 52955	7.7	HIN	WW	Ser	Min 52850	14.2	MX
AE	Her	Max 52848	9.5	MX	BC	Ser	Max 52805	9.5	MX
AS	Her	Max 52791	8.6	MX	R	Tau	Max 52926	8.1	VOH
FU	Her	Max 52854	11.4	MX	V	Tau	Max 52979	9.2	MX
S	Lac	Max 52939	8.4	MYR	IK	Tau	Max 52994	13.5	MX
		Max 52940	8.5	HIN	R	Tri	Max 52666:	5.65	RCR
W	Lac	Max 52871	10.2	MX			Max 52671	5.5	LGE
R	Leo	Max 52620	5.4	LGE			Max 52677	5.5	HLB
		Min 52767	10.1	HO			Max 52677	5.5	KR
RS	Leo	Max 52699	10.8	MX			Max 52938:	7.0	RCR
R	Lep	Max 53013	8.1	VOH			Max 52949	6.9	HIN
S	Lyn	Max 52979	9.4	HIN			Max 52954	6.65	SU
RU	Lyn	Max 52757	10.8	MX			Max 52957	6.7	VOH
S	Lyr	Max 52950	11.6	MX	S	Tri	Min 52522	11.8	LGE
W	Lyr	Max 51994	8.15	KR			Max 52560	10.3	LGE 3)
		Max 52568	8.5	KR	Z	Tri	Max 52947	9.7	HIN
		Max 52772	7.4	VOH	R	UMa	Min 52081	11.95	KR
		Max 52779	7.4	KR			Max 52511	7.2	KR
		Min 52878	12.2	VOH			Min 52700	13.0	KR
		Max 52973	8.0	VOH			Max 52809	7.8	SM
		Max 52974	7.8	HIN			Max 52817	7.2	RCR
RU	Lyr	Max 52869	10.9	MX			Max 52842	7.7	VOH
RW	Lyr	Max 53008	11.7	MX	S	UMa	Max 52505	8.2	KR
UV	Lyr	Max 52951	10.7	MX			Max 52739	8.1	VOH
AB	Lyr	Max 52863	10.4	MX			Max 52747	7.65	KR
EL	Lyr	Max 52878	12.6	MX			Max 52751:	7.55	RCR
Y	Mon	Min 52695	14.0	MX			Max 52980	8.0	VOH
RS	Mon	Max 52676	10.2	MX	T	UMa	Max 52028	7.55	KR
ST	Mon	Max 52716	9.8	MX			Max 52540	7.2	KR
X	Oph	Max 52805	6.8	VOH			Max 52797	8.2	KR
RU	Oph	Min 52843	14.0	MX			Max 53057	7.4	VOH
SS	Oph	Max 52784	9.1	MX	RS	UMa	Max 52017	9.5	KR
		Min 52892	14.5	MX			Max 52788	8.55	KR
AY	Oph	Max 52857	10.8	MX	S	UMi	Max 52736	8.2	VOH
V450	Oph	Max 52918	11.3	MX			Min 52884	12.2	VOH
V970	Oph	Max 52844	10.4	MX	T	UMi	Min 52820	12.5	MX
U	Ori	Min 52645	7.0	LGE 2)			Max 52922	9.8	HIN
R	Peg	Max 52961	7.5	HIN			Max 52933	9.8	VOH
		Max 52969	7.6	VOH	U	UMi	Max 52853	9.0	VOH
S	Peg	Max 52949	8.0	HIN			Min 53016:	11.0	VOH
Y	Peg	Max 52979	11.0	HIN	R	Vir	Max 51996	6.8	KR
		Max 52991	11.2	MX			Max 52433	7.0	KR
Z	Peg	Max 52988	8.3	HIN			Max 52728	6.6	KR
RT	Peg	Max 52883	10.6	MX			Max 52728	6.5	VOH
RV	Peg	Max 52941	9.7	HIN			Max 53017	7.0	VOH
SS	Peg	Min 52928	13.9	MX	SU	Vir	Max 52791	10.7	MX
SX	Peg	Max 52888	7.9	NMN	R	Vul	Max 52843	8.4	VOH
U	Per	Min 52854	10.8	VOH			Max 52976	8.4	VOH
		Max 53007	8.4	VOH			Max 52979	8.2	HIN
Y	Per	Min 53014	10.8	VOH	YZ	Vul	Max 52989	10.1	MX

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

: = unsicher

1) = Welle im Anstieg

2) = Plateau > 30 Tage während des Maximums

3) = Plateau < 80 Tage nach dem Maximum mit 10,7m

Alle Helligkeiten im Harvard-System (AAVSO charts)

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

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
TV	And	Min 52820	10.5	BOR	RW	Cep	Max 52672	6.4	NMN
		Max 52861	10.0	BOR			Min 52748	6.9	NMN
AQ	And	Max 52690	7.8	VOH	my	Cep	Max 52936:	3.8	VOH
		Min 52809	8.8	VOH	RR	CrB	Max 52892	7.2	VOH
		Max 53022	7.8	VOH	SW	CrB	Min 52776	7.9	VOH
		Max 53690:	7.8	VOH			Max 52808	7.3	VOH
V	Aqr	Max 52850	7.7	NMN			Min 52892	8.0	VOH
S	Aql	Max 52808	9.1	VOH			Max 52995	7.2	VOH
		Min 52863	11.4	BOR	W	Cyg	Max 52759	5.7	VOH
		Min 52863	11.4	VOH			Min 52805	7.1	VOH
		Max 52928	9.6	VOH			Max 52818	6.6	VOH
		Max 52936	9.5	BOR			Min 52844	6.9	VOH
KN	Aql	Min 52854	9.7	NMN			Max 52867	6.5	VOH
		Max 52883	8.6	NMN			Min 52897:	6.9	VOH
V913	Aql	Max 52832	7.6	BOR			Max 52922	6.5	VOH
		Min 52857	8.3	BOR			Min 52952:	6.9	VOH
		Max 52887	7.8	BOR			Min 53080	7.0	VOH
		Min 52920	8.4	BOR	RS	Cyg	Max 52712	7.2	SV
T	Ari	Max 52930	8.5	VOH			Max 52807	7.1	SV
V	Ari	Max 52666:	8.1	NMN			Max 52807	7.4	VOH
Z	Aur	Min 52697	11.5	VOH			Min 52881	9.0	VOH
		Max 52743	9.8	VOH	AF	Cyg	Max 52226	7.1	BOR
		Max 52957	9.7	VOH			Min 52262	7.4	BOR
V	Boo	Max 52766	8.1	VOH			Max 52304:	6.85	BOR
		Max 53066	8.1	VOH			Min 52362	7.7	BOR
X	Cnc	Max 52693	6.0	NMN			Max 52400	7.0	BOR
V	CVn	Max 52326	7.1	BOR			Min 52462	7.85	BOR
		Min 52382	7.95	BOR			Max 52506	7.05	BOR
		Max 52406	7.15	BOR			Min 52548	7.8	BOR
		Min 52450	7.7	BOR			Max 52686	7.05	BOR
		Max 52498	7.2	BOR			Min 52743	7.6	BOR
		Min 52584	7.85	BOR			Max 52767:	6.6	SV
		Max 52722	7.0	BOR			Max 52784	7.1	VOH
		Min 52770	8.05	BOR			Max 52785:	6.8	SM
		Max 52806	7.4	BOR			Max 52792	7.2	BOR
		Min 52842	7.8	BOR			Min 52823	7.9	VOH
		Max 52920	7.05	BOR			Min 52835	7.65	BOR
		Min 53040	7.8	BOR			Min 52836	7.8	SM
		Max 53096	6.85	BOR			Max 52861	7.1	VOH
SV	Cas	Max 52621	6.8	NMN			Max 52870	6.9	SM
		Min 52730	8.8	NMN			Max 52872	7.25	BOR
V365	Cas	Max 52678	8.6	NMN			Min 52916	8.0	VOH
		Max 52843	8.4	NMN			Min 52930	7.8	BOR
rho	Cas	Max 52540:	4.65	BR			Min 52932	7.7	SM
		Max 52650	4.4	BR			Max 52968	6.8	SM

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
AF	Cyg	Max 52983	7.3	VOH	AC	Her	Max 52080	7.5	KR
		Max 53062	6.85	BOR			Min 52097	8.2	KR
		Min 53110	7.9	BOR			Max 52120	7.75	KR
CH	Cyg	Max 52973	7.9	VOH			Min 52175	8.25	KR
GY	Cyg	Min 52980	10.8	VOH			Max 52189	7.3	KR
V1339	Cyg	Min 52862	7.0	VOH			Min 52210	8.4	KR
U	Del	Min 52772	7.5	VOH			Min 52358	8.0	KR
		Max 52847	6.9	VOH			Max 52450	7.7	KR
		Min 52918	7.5	VOH			Min 52472	8.05	KR
EU	Del	Max 52942	5.8	VOH			Max 52490	7.65	KR
		Min 52975	6.8	VOH			Min 52509	8.0	KR
		Max 53022	5.8	VOH			Max 52528	7.7	KR
S	Dra	Min 52800:	9.0	VOH			Min 52548	8.1	KR
		Min 53029	9.2	VOH			Max 52564	7.5	KR
TX	Dra	Min 52090	7.85	BOR			Min 52582	7.9	KR
		Max 52128	7.55	BOR			Min 52662	8.05	KR
		Min 52158	7.9	BOR			Max 52680	7.5	KR
		Max 52193	7.6	BOR			Min 52698	8.2	KR
		Min 52224	8.05	BOR			Max 52717	7.3	KR
		Max 52264	7.25	BOR			Min 52740	7.9	KR
		Min 52308	7.8	BOR			Max 52757	7.65	KR
		Min 52375	8.1	BOR			Min 52774	8.2	KR
		Max 52426	7.0	BOR			Max 52784	7.3	VOH
		Min 52456	7.7	BOR			Max 52791	7.6	BOR
		Max 52495	7.2	BOR			Max 52792	7.5	KR
		Min 52528	7.9	BOR			Min 52811	8.1	BOR
		Max 52564	7.0	BOR			Min 52816	7.9	KR
		Min 52606	7.7	BOR			Min 52821:	8.25	SM
		Max 52642:	6.9	BOR			Max 52832	7.6	KR
		Min 52677	7.75	BOR			Min 52850	8.6	BOR
		Max 52718	6.8	BOR			Min 52851	8.25	KR
		Min 52757	7.95	BOR			Min 52852	9.0	SM
		Max 52786	7.15	BOR			Min 52854	8.4	VOH
		Min 52840	7.95	BOR			Max 52866	7.2	KR
		Max 52872	7.5	BOR			Max 52866	7.9	SM
		Min 52914	8.0	BOR			Max 52866	7.3	VOH
		Min 52938:	7.8	VOH			Max 52868	7.5	BOR
		Max 53031:	7.0	VOH			Min 52884:	8.3	SM
		Min 53070	7.6	VOH			Min 52886	7.9	KR
UX	Dra	Max 52659	5.9	NMN			Min 52887	8.25	BOR
		Min 52796	6.8	NMN			Max 52903	7.65	BOR
SS	Gem	Min 52681:	9.2	HLB			Max 52904	7.45	KR
		Min 52683	9.0	KR			Min 52926	8.5	BOR
		Max 52704:	8.3	HLB			Min 52927	8.1	VOH
		Min 52742:	9.1	HLB			Min 52929	8.1	KR
		Max 52751:	8.7	HLB			Max 52942	7.65	BOR
		Min 52759:	9.4	HLB			Max 52942	7.3	VOH
		Min 53033	9.5	VOH			Max 52948	7.5	KR
TU	Gem	Max 52700	7.0	LGE			Min 52956	7.9	VOH
NQ	Gem	Max 52680	7.5	NMN			Min 53002	8.7	BOR
X	Her	Max 52800	6.3	VOH	g	Her	Max 50152	5.0	BOR
AC	Her	Max 51928	7.7	KR			Min 50200	5.4	BOR
		Min 51950	8.2	KR			Min 50270	5.6	BOR
		Max 51965:	7.7	KR			Max 50476	4.8	BOR
		Min 52022	8.1	KR			Min 50550	5.2	BOR
		Max 52041	7.6	KR			Max 50582	4.8	BOR
		Min 52061	8.1	KR			Min 50618	5.3	BOR

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
g	Her	Max 50698	4.9	BOR	alphaOri	Max 52656:	0.55	BR	
		Min 50726	5.25	BOR		Min 52680	0.75	BR	
		Max 50940	4.9	BOR		Max 52694:	0.60	BR	
		Min 51058	5.4	BOR		Min 52730:	1.05	BR	
		Max 51294	5.15	BOR	AF Peg	Min 52865	9.5	NMN	
		Min 51332	5.4	BOR	32 ⁰ 599 Per	Min 52918	10.2	BOR	
		Max 51384	5.15	BOR		Min 53040	10.25	BOR	
		Max 51640	4.85	BOR		Max 53091	9.35	BOR	
		Min 51664	5.3	BOR	R Sge	Min 52815	9.5	BOR	
		Max 51686	5.0	BOR		Max 52830	9.0	BOR	
		Min 51843	5.4	BOR		Min 52848	9.55	BOR	
		Min 52092	5.85	BOR		Max 52867	9.0	BOR	
		Max 52208	5.2	BOR		Min 52888	9.6	BOR	
		Min 52398	5.45	BOR		Max 52903	9.0	BOR	
		Max 52432	5.05	BOR		Min 52922:	9.5	BOR	
		Min 52467	5.35	BOR		Max 52937	8.9	BOR	
		Max 52597	4.85	BOR	R Sct	Min 52428	6.95	KR	
		Min 52824	5.9	BOR		Max 52477	5.2	KR	
		Min 52829	5.8	VOH		Min 52499	5.4	KR	
		Max 52869	5.2	VOH		Min 52576	6.95	KR	
		Max 52872	5.3	BOR		Min 52706:	7.7	SM	
		Min 52912	5.65	BOR		Min 52711	7.2	KR	
		Min 52913	5.8	VOH		Min 52852	5.75	SM	
		Max 52952	5.2	VOH		Min 52856	6.4	VOH	
		Min 52986	5.7	VOH		Min 52858	6.0	BOR	
RT	Hya	Max 52727	7.8	NMN		Min 52867	5.7	SG	
IN	Hya	Min 52671	7.5	NMN		Max 52885	5.2	BOR	
HP	Lyr	Max 52825	10.35	BOR		Min 52900	5.5	BOR	
		Min 52858	10.7	BOR		Max 52911	5.2	BOR	
		Max 52896	10.25	BOR	tau Ser	Min 52843	6.8	NMN	
		Min 52928	10.7	BOR	Y UMa	Min 52690	9.1	NMN	
U	Mon	Min 52308	7.1	KR		Max 52744	8.3	NMN	
		Max 52327	6.0	KR		Min 52824	9.2	SHB	
		Min 52352	7.25	KR		Min 52825	9.0	NMN	
		Max 52373	5.8	KR	Z UMa	Min 51982	8.7	KR	
		Min 52713	6.65	KR		Max 52004	7.5	KR	
		Max 52910:	6.1	SM		Min 52049	8.7	KR	
		Max 52958	5.6	VOH		Max 52120	7.0	KR	
		Min 52985	6.9	BOR		Min 52174	8.4	KR	
		Min 52985	6.8	VOH		Max 52199	7.6	KR	
		Max 53010:	6.05	SM		Min 52245	8.7	BOR	
		Max 53011	5.9	BOR		Max 52304	6.9	BOR	
		Min 53036	6.7	BOR		Max 52309	6.8	KR	
		Max 53055	6.0	BOR		Min 52365	8.7	KR	
		Max 53056:	6.15	SM		Min 52368	8.9	BOR	
		Min 53080	7.3	BOR		Max 52401	7.8	KR	
		Max 53095:	6.3	SM		Max 52402	8.15	BOR	
		Max 53096	6.0	BOR		Min 52440	8.7	KR	
X	Mon	Max 52737	6.9	HLB		Min 52442	8.85	BOR	
TT	Oph	Max 52821	9.3	BOR		Max 52492	7.2	BOR	
		Min 52837	10.3	BOR		Max 52504	7.0	KR	
		Max 52848	9.3	BOR		Min 52572	8.5	KR	
		Min 52865	10.7	BOR		Min 52574	8.75	BOR	
		Max 52879	9.2	BOR		Max 52600	8.1	BOR	
		Min 52893	10.3	BOR		Max 52608	7.7	KR	
		Max 52907	9.2	BOR		Max 52680	6.8	LGE	
W	Ori	Max 52648	6.3	LGE		Max 52688	6.9	BOR	

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
Z	UMa	Max 52690	6.8	KR	ST	UMa	Min 52848	6.3	NMN
		Max 52700	6.8	VOH	DZ	UMa	Min 52813	12.25	SHB
		Min 52772	8.4	BOR			Max 52849	11.0	SHB
		Min 52772	8.3	KR			Min 52882	12.25	SHB
		Min 52789	8.2	VOH	V	UMi	Min 52953	8.4	VOH
		Max 52798	7.85	KR	V	Vul	Min 52802	9.6	VOH
		Max 52800	8.1	BOR			Max 52818:	8.1	BOR
		Min 52828	8.4	BOR			Min 52878	9.4	BOR
		Min 52832	8.45	KR			Min 52883	9.0	VOH
		Max 52891	6.9	KR			Max 52897	8.0	BOR
		Max 52892	6.75	BOR			Min 52917	8.7	BOR
		Min 52970:	8.6	BOR			Max 52932	8.2	BOR
		Max 53082	7.05	BOR			Min 52955	9.6	VOH
RZ	UMa	Min 52819	9.9	VOH			Min 52956	9.4	BOR
		Max 52911	9.1	VOH	RU	Vul	Min 52812	9.7	BOR
ST	UMa	Min 52637	7.3	NMN			Max 52886	9.2	BOR
		Max 52694	6.4	NMN			Min 52927	9.85	BOR

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

: = unsicher

Alle Helligkeiten im Harvard-System (AAVSO charts)

6. K A T A K L Y S M I S C H E S T E R N E

Stern	Ph.	JD24..	Magn.	Obs.	Stern	Ph.	JD24..	Magn.	Obs.
Z	And	Min 52819	10.7	VOH	SS	Cyg	Max 52128	8.8	KR
		Max 52958	10.2	VOH			Max 52188	8.5	KR
RX	And	Max 52279	10.3	KR			Max 52517	8.8	KR
		Max 52327	10.3	KR			Max 52708	8.9	KR
		Max 52524	11.2	KR			Max 52754	8.3	VOH
		Max 52834	11.0	KR			Max 52760	8.7	KR
		Max 52846	11.2	KR			Max 52807	8.9	KR
		Max 52863	10.6	KR			Max 52808	8.3	VOH
		Max 52877	11.9	KR			Max 52843	8.8	KR
		Max 52896	12.7	KR			Max 52843	8.7	VOH
		Max 52925	10.6	KR			Max 52888	8.2	VOH
		Max 52941	11.6	KR			Max 52936	9.1	VOH
		Max 52955	11.6	KR			Max 52974	9.1	VOH
R	CrB	Min 52682	11.5	LGE 4)			Max 53070	9.2	VOH
		Min 52705	12.5	KR	U	Gem	Max 52722	9.7	KR
SS	Cyg	Max 51926	8.4	KR	T	Ori	Min 52698	11.0	LGE
		Max 52050	8.7	KR			Min 52700	12.1	KR

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

: = unsicher

4) = Minimum von 52682 bis 52760

Alle Helligkeiten im Harvard-System (AAVSO charts)

7. K O R R E K T U R E N zu früheren BAV Mitteilungen

Nr. 122	RW Per	51170.45	MYR	richtig ist:	51170.70
Nr. 157	R Leo	Min 52295	LGE	richtig ist:	Max 52295
Nr. 157	HI Aql	52516	QU	Bemerkung 3)	
				richtig ist:	CCD mit V-Filter