

BAV-Results of Observations**JOACHIM HÜBSCHER**^{1,2}

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Abstract: This 67th compilation contains the results of visual and photographic observations of BAV-members mostly from the years 2009 and 2010. Here we publish altogether 468 minima and maxima of 152 eclipsing binaries and pulsating stars. The data were acquired by 13 observers.

We introduce 11 minima timings from 7 eclipsing binaries, 2 maxima from 1 RR-Lyrae-star, 7 maxima from 7 cepheids, 162 maxima and minima from 94 mirastars, 277 maxima and minima from 41 semiregular, longperiod and RV-Tauri-stars and 9 maxima and minima from 2 cataclysmic variables. The results were acquired by 12 observers in Germany and one in Austria mostly in the years 2009 and 2010.

This paper contains only unpublished observations. All the lightcurves with evaluations can be obtained from the office of the BAV for inspection.

Section 1 Eclipsing binaries, RR-Lyrae-stars and Cepheids**Explanation to the main tables 1 to 3**

columns 1 & 2	object designation from the GCVS,
column 3	heliocentric julian date of observed minima or maxima (Jd _{hel} – 2400 000)
column 4	mark (:) if uncertain
column 5	identification of primary (I) or secondary (II) minimum for eclipsing binaries
column 6	mark “vis” for visual observations, “F” for photographic observations
column 7	observer
column 8	(O-C)
column 9	source of elements (elements see section 1, table 4)
column 10	number of measurements
column 11	remarks

Explanation to the main table 4

columns 1 & 2	object designation from the GCVS,
column 3	epoch
column 4	period
column 5	BIB-code or link

Table 1 – Eclipsing Binaries

OO	Aql	55067.416	I	vis	Stahr, R.	0.038	GCVS 2009	14
		55067.422	I	vis	Flehsig, G.	0.045	GCVS 2009	11
		55419.396	I	vis	Stahr, R.	0.054	GCVS 2009	7
		55420.401	I	vis	Stahr, R.	0.046	GCVS 2009	6
SX	Aur	47864.499	I	ph	Frank, P.	0.003	GCVS 2009	17
							evaluation: measurement with mikrophotometer	
RZ	Cas	55058.410	I	vis	Rätz, K.	0.058	GCVS 2009	15
VW	Cep	55057.417	I	vis	Rätz, K.	-0.048	GCVS 2009	12

Table 1 – Eclipsing Binaries (cont.)

S	Equ	55066.407	I vis	Flechsigt, G.	0.068	GCVS 2009	16	
		55066.420	I vis	Stahr, R.	0.081	GCVS 2009	11	
AT	Peg	55070.393	I vis	Flechsigt, G.	0.010	GCVS 2009	15	
GSC 01383-00181		49029.404	I ph	Frank, P.			35	

evaluation: measurement with mikrophotometer

Table 2 – RR-Lyrae-Stars

BH	Peg	55071.398	I vis	Stahr, R.	-0.023	BAVR 47,67	9	
		55071.405	I vis	Flechsigt, G.	-0.016	BAVR 47,67	15	

Table 3 – Cepheids

SY	Cas	55027.43	I vis	Kriebel, W.	0.14	GCVS 2009	43) normal maxima
CH	Cas	55034.50	I vis	Kriebel, W.	3.56	GCVS 2009	55)
VZ	Cyg	55126.56	I vis	Kriebel, W.	-0.17	GCVS 2009	25)
KX	Cyg	55038.75	I vis	Kriebel, W.	4.63	GCVS 2009	55)
V438	Cyg	55055.41	I vis	Kriebel, W.	0.08	GCVS 2009	46)
V609	Cyg	55037.30	I vis	Kriebel, W.	11.75	GCVS 2009	46)
zeta	Gem	55254.73	I vis	Vollmann, W.	-1.22	GCVS 2009	25)

Table 4 – Elements

OO	Aql	38613.2222		.50678848		www.sai.msu.su/groups/cluster/gcvs/
SX	Aur	40162.3355		1.2100802		www.sai.msu.su/groups/cluster/gcvs/
RZ	Cas	43200.3063		1.195247		www.sai.msu.su/groups/cluster/gcvs/
SY	Cas	41682.23		4.071098		www.sai.msu.su/groups/cluster/gcvs/
CH	Cas	36912.426		15.08619		www.sai.msu.su/groups/cluster/gcvs/
VW	Cep	44157.4131		.2783146		www.sai.msu.su/groups/cluster/gcvs/
VZ	Cyg	41705.702		4.864453		www.sai.msu.su/groups/cluster/gcvs/
KX	Cyg	29113.74		20.0467		www.sai.msu.su/groups/cluster/gcvs/
V438	Cyg	25435.71		11.211058		www.sai.msu.su/groups/cluster/gcvs/
V609	Cyg	32778		31.072		www.sai.msu.su/groups/cluster/gcvs/
S	Equ	42596.74348		3.4360969		www.sai.msu.su/groups/cluster/gcvs/
zeta	Gem	43805.927		10.15073		www.sai.msu.su/groups/cluster/gcvs/
AT	Peg	45219.8562		1.1460764		www.sai.msu.su/groups/cluster/gcvs/
BH	Peg	50799.24		.6409874		1998BAVSR 47 67D

Section 2 Mirastars, Semiregular, Longperiod, RV-Tauri-Stars and Eruptive Variables**Explanation to the main tables 5 to 8**

column 1	object designation from the GCVS,
column 2	identification of minimum (Min) or Maximum (Max)
column 3	heliocentric julian date of observed minima or maxima (JD _{hel} – 2400 000)
column 4	mark (:) if uncertain
column 5	mark “vis” for visual observations, “ccd” for CCD-observations
column 6	Magnitude, using the Harvard-System (AAVSO-charts)
column 7	observer
column 8	number of measurements
column 9	remarks

Table 5 – Mirastars

R	And	Max	55052	vis	6.7	Neumann, J.	15
		Max	55062	vis	6.8	Winkler, R.	23
V	And	Max	55142	vis	9.8	Marx, H.	11
RR	And	Max	55195	vis	8.3	Marx, H.	9
YZ	And	Max	55132	vis	11.1	Marx, H.	10
T	Aqr	Max	55061	vis	7.7	Neumann, J.	9
R	Aql	Max	55074	vis	6.2	Rätz, K.	30
RU	Aql	Max	55112	vis	8.9	Marx, H.	13
EU	Aql	Max	55150	vis	12.6	Marx, H.	10
HI	Aql	Max	55091	vis	10.9	Marx, H.	12
S	Ari	Max	55178	vis	10.5	Marx, H.	10
W	Aur	Max	54919	vis	9.3	Marx, H.	11
X	Aur	Max	54544	vis	8.8	Vohla, F.	27
		Max	54708	vis	8.4	Vohla, F.	30
UV	Aur	Max	54824	vis	7.7	Vohla, F.	21
		Max	55229	vis	7.8	Neumann, J.	19
AZ	Aur	Max	54885	vis	8.9	Marx, H.	16
GQ	Aur	Max	54910	vis	11.4	Marx, H.	12
R	Boo	Max	54594	vis	7.5	Vohla, F.	50
		Max	54811	vis	6.8	Vohla, F.	17
		Max	55040	vis	7.0	Neumann, J.	9
		Max	55043	vis	7.4	Rätz, K.	21
RT	Boo	Min	55013	vis	13.7	Marx, H.	11
X	Cam	Min	54945	vis	13.3	Marx, H.	10
		Max	55022	vis	7.7	Marx, H.	10
		Min	55087	vis	13.3	Marx, H.	8
		Max	55161	vis	8.0	Marx, H.	9
SU	Cnc	Max	54937	vis	11.1	Marx, H.	13
R	CVn	Max	54755	vis	7.4	Vohla, F.	36
		Max	55075	vis	7.3	Neumann, J.	10
RT	CVn	Max	54975	vis	10.8	Marx, H.	12
U	Cas	Max	55150	vis	8.6	Marx, H.	9
V	Cas	Max	54660	vis	7.8	Vohla, F.	43
		Max	55116	vis	7.3	Schubert, M.	18
		Max	55123	vis	7.35	Winkler, R.	21
W	Cas	Min	54578	vis	11.4	Vohla, F.	41
VZ	Cas	Max	55161	vis	10.0	Marx, H.	8
S	Cep	Min	54630	vis	10.1	Vohla, F.	106
T	Cep	Min	54639	vis	10.4	Vohla, F.	47
		Max	54814	vis	6.3	Schubert, M.	21
		Max	54848	vis	6.2	Rätz, K.	63
		Max	54850	vis	6.2	Vohla, F.	47
		Max	54860	vis	6.1	Marx, H.	2
		Min	55027	vis	10.9	Marx, H.	19
		Min	55029	vis		Schubert, M.	21
		Max	55224	vis	6.0	Schubert, M.	51
Z	Cep	Max	54976	vis	11.2	Marx, H.	13
AB	Cep	Max	55108	vis	10.5	Marx, H.	14
X	Cet	Min	55174	vis	12.4	Marx, H.	8
omikr	Cet	Max	54823	vis	3.6	Born, E.	22
		Max	55147	vis	3.4	Winkler, R.	26
		Max	55163	vis	3.5	Schubert, M.	33
S	CrB	Max	54369	vis	7.2	Born, E.	25
		Min	54614	vis	12.3	Vohla, F.	30
S	CrB	Max	54739	vis	7.1	Born, E.	22
		Max	54739	vis	6.8	Vohla, F.	30
R	Cyg	Max	54818	vis	7.8	Vohla, F.	25
U	Cyg	Min	54528	vis	11.3	Vohla, F.	32

Table 5 – Mirastars (cont.)

U	Cyg	Max	54766	vis	7.5	Vohla, F.	32
Z	Cyg	Max	54625	vis	8.6	Vohla, F.	32
RT	Cyg	Min	54580	vis	11.5	Vohla, F.	20
		Max	54671	vis	7.7	Vohla, F.	20
		Min	54757	vis	12.1	Vohla, F.	20
		Max	54860	vis	7.7	Vohla, F.	21
		Max	55039	: vis	6.6	Neumann, J.	10
		Max	55039	vis	6.7	Rätz, K.	31
		Max	55041	vis	6.85	Winkler, R.	18
ST	Cyg	Max	55195	vis	10.3	Marx, H.	11
TY	Cyg	Max	54639	vis	9.5	Vohla, F.	22
BG	Cyg	Max	54665	vis	10.0	Vohla, F.	38
CN	Cyg	Max	54541	vis	9.7	Vohla, F.	23
		Max	54733	vis	9.3	Vohla, F.	25
		Max	55134	vis	9.2	Schubert, M.	14
V369	Cyg	Min	55032	vis	13.7	Marx, H.	10
		Max	55087	vis	10.4	Marx, H.	10
		Min	55138	vis	13.4	Marx, H.	7
chi	Cyg	Max	54771	vis	3.8	Vohla, F.	60
		Max	55183	vis	5.3	Winkler, R.	18
RU	Del	Max	55046	vis	11.1	Marx, H.	14
SS	Del	Max	55186	vis	12.2	Marx, H.	7
R	Dra	Max	55122	vis	6.4	Schubert, M.	25
		Max	55122	vis	6.5	Winkler, R.	21
Y	Dra	Max	54937	vis	9.3	Marx, H.	13
R	Gem	Max	55199	: vis	6.4	Neumann, J.	9
ST	Gem	Max	54886	vis	9.7	Marx, H.	12
BP	Gem	Max	54918	vis	11.0	Marx, H.	11
S	Her	Max	54553	vis	7.7	Vohla, F.	46
		Max	54858	: vis	7.4	Vohla, F.	10
T	Her	Min	54602	vis	11.7	Vohla, F.	21
		Max	54679	: vis	7.5	Vohla, F.	22
		Max	54852	vis	8.2	Vohla, F.	8
U	Her	Max	54750	vis	6.5	Vohla, F.	48
W	Her	Max	54560	vis	8.1	Vohla, F.	41
		Max	54849	vis	8.0	Vohla, F.	41
RS	Her	Max	54574	vis	8.5	Vohla, F.	26
		Max	54787	vis	8.5	Vohla, F.	12
RV	Her	Max	55046	vis	10.5	Marx, H.	13
RY	Her	Min	55055	vis	13.9	Marx, H.	13
AE	Her	Max	55099	vis	10.0	Marx, H.	14
DO	Her	Max	55053	vis	11.8	Marx, H.	11
R	Leo	Max	54782	vis	5.3	Vohla, F.	35
S	Leo	Max	54992	vis	10.2	Marx, H.	12
R	Lep	Max	54781	vis	6.8	Vohla, F.	27
S	Lyn	Min	54936	vis	14.5	Marx, H.	15
W	Lyr	Max	54558	vis	7.8	Vohla, F.	47
		Max	54736	: vis	8.3	Vohla, F.	33
		Max	55144	vis	8.1	Winkler, R.	20
RU	Lyr	Max	55086	vis	10.2	Marx, H.	15
RW	Lyr	Max	55049	vis	12.5	Marx, H.	19
TY	Lyr	Max	55132	vis	9.9	Marx, H.	11
UV	Lyr	Max	55069	vis	10.7	Marx, H.	16
UW	Lyr	Max	55119	vis	12.0	Marx, H.	12
AB	Lyr	Max	55040	vis	10.1	Marx, H.	13
AN	Lyr	Max	55085	vis	10.8	Marx, H.	13
X	Oph	Max	54506	vis	6.7	Vohla, F.	24
		Min	54665	vis	8.6	Vohla, F.	22

Table 5 – Mirastars (cont.)

X	Oph	Max	54851	: vis	6.5	Vohla, F.	24
RU	Oph	Min	55079	vis	14.1	Marx, H.	13
SS	Oph	Min	55049	vis	14.0	Marx, H.	11
V970	Oph	Max	55050	vis	11.1	Marx, H.	14
U	Ori	Max	54521	vis	6.2	Vohla, F.	60
R	Peg	Min	54730	vis	11.4	Vohla, F.	12
RS	Peg	Max	55163	vis	10.2	Marx, H.	8
DG	Peg	Max	55103	vis	10.8	Marx, H.	14
U	Per	Max	54635	vis	8.1	Vohla, F.	47
Y	Per	Min	54529	vis	10.1	Vohla, F.	23
		Max	54673	vis	9.0	Vohla, F.	23
		Min	54748	vis	10.2	Vohla, F.	23
		Max	55126	vis	8.7	Schubert, M.	18
AI	Per	Max	55164	vis	11.7	Marx, H.	11
RU	Tau	Max	54879	vis	10.6	Marx, H.	15
R	Tri	Max	54824	vis	6.2	Vohla, F.	45
		Max	55062	vis	6.7	Neumann, J.	13
		Max	55068	vis	6.6	Winkler, R.	24
		Max	55078	vis	6.5	Schubert, M.	22
		Max	55079	vis	6.6	Rätz, K.	22
R	UMa	Min	54509	vis	12.8	Vohla, F.	20
		Max	54623	vis	7.4	Vohla, F.	21
		Max	54930	vis	7.5	Rätz, K.	28
S	UMa	Max	54549	vis	8.2	Vohla, F.	33
		Max	54790	vis	8.0	Vohla, F.	51
		Max	55246	: vis	7.9	Neumann, J.	14
T	UMa	Max	54592	vis	7.4	Vohla, F.	28
		Max	54850	vis	7.7	Vohla, F.	28
		Max	55097	vis	7.0	Schubert, M.	17
		Max	55102	vis	7.5	Neumann, J.	9
X	UMa	Max	54904	vis	10.2	Marx, H.	12
S	UMi	Max	54665	vis	8.2	Vohla, F.	38
		Min	54844	vis	12.4	Vohla, F.	39
		Max	55329	vis	8.3	Schubert, M.	18
T	UMi	Max	54688	: vis	10.7	Vohla, F.	12
		Min	54735	: vis	11.8	Vohla, F.	12
		Max	54774	: vis	10.6	Vohla, F.	12
		Min	54837	: vis	11.7	Vohla, F.	12
U	UMi	Max	54778	vis	8.4	Vohla, F.	60
		Max	55122	vis	7.8	Schubert, M.	17
R	Vir	Max	54606	vis	6.9	Vohla, F.	22
		Max	55328	vis	7.0	Schubert, M.	12
U	Vir	Min	54966	vis	13.7	Marx, H.	10
R	Vul	Max	54628	vis	8.8	Vohla, F.	14
R	Vul	Max	54758	vis	8.5	Vohla, F.	14
		Max	55022	: vis	7.4	Neumann, J.	7

Table 6 – Semiregular, Longperiod and RV-Tauri-Stars

RS	And	Min	55178	vis	9.1	Neumann, J.	25
AQ	And	Min	54773	vis	9.0	Vohla, F.	32
S	Aql	Max	54705	vis	9.1	Vohla, F.	21
T	Ari	Max	54811	vis	7.5	Vohla, F.	21
Z	Aur	Max	54724	vis	9.6	Vohla, F.	7
		Min	54781	: vis	11.0	Vohla, F.	7
		Max	54828	vis	9.6	Vohla, F.	7
		Min	54906	: vis	11.0	Vohla, F.	7

Table 6 – Semiregular, Longperiod and RV-Tauri-Stars (cont.)

V	Boo	Max	53300	vis	7.9	Born, E.	20		
		Min	53478	vis	9.7	Born, E.	18		
		Max	53565	vis	8.0	Born, E.	20		
		Max	53851	vis	8.15	Born, E.	39		
		Min	53908	vis	9.2	Born, E.	39		
		Max	54688	vis	8.5	Vohla, F.	15		
		Min	54719	vis	8.9	Vohla, F.	14		
		Max	54782	vis	8.5	Vohla, F.	15		
		Min	54877	vis	8.9	Vohla, F.	14		
		V	CVn	Min	53176	vis	8.0	Born, E.	23
				Max	53220	vis	7.0	Born, E.	23
				Min	53252	vis	7.5	Born, E.	23
				Max	53314	vis	6.85	Born, E.	23
				Max	53600	vis	6.8	Born, E.	22
Max	53792			vis	6.7	Born, E.	22		
Min	53914			vis	8.2	Born, E.	22		
Max	53976			vis	6.75	Born, E.	22		
Min	54088			vis	8.2	Born, E.	22		
Max	54187			vis	7.0	Born, E.	22		
Min	54252			vis	8.2	Born, E.	22		
Max	54366			vis	6.8	Born, E.	22		
Min	54628			vis	8.6	Born, E.	20		
Max	54768			vis	6.8	Born, E.	21		
Max	54950			vis	6.9	Born, E.	21		
Min	55013			vis	8.6	Born, E.	20		
Max	55311			vis	7.1	Schubert, M.	23		
VZ	Cas	Min	54920	vis	13.2	Marx, H.	8		
WZ	Cas	Min	55063	vis	7.3	Neumann, J.	17		
		Max	55152	vis	6.7	Neumann, J.	17		
V465	Cas	Min	54974	vis	6.7	Neumann, J.	8		
		Max	55015	vis	6.0	Neumann, J.	8		
		Min	55049	vis	6.8	Neumann, J.	8		
		Max	55090	vis	6.2	Neumann, J.	8		
V770	Cas	Max	54723	vis	7.9	Neumann, J.	17		
		Max	55046	vis	8.0	Neumann, J.	17		
		Min	55112	vis	8.5	Neumann, J.	17		
my	Cep	Min	54976	vis	4.6	Schubert, M.	38		
RR	CrB	Min	55047	vis	8.2	Neumann, J.	13		
		Max	55091	vis	7.4	Neumann, J.	13		
W	Cyg	Max	54609	vis	5.7	Vohla, F.	20		
		Min	54674	vis	6.8	Vohla, F.	19		
		Max	54726	vis	5.8	Vohla, F.	20		
		Min	54806	vis	6.9	Vohla, F.	19		
		Min	54823	vis	7.1	Winkler, R.	14		
		Max	54870	vis	5.7	Vohla, F.	20		
W	Cyg	Min	54928	vis	6.9	Winkler, R.	14		
		Max	54993	vis	5.65	Winkler, R.	14		
RS	Cyg	Max	54431	vis	7.3	Vohla, F.	56		
		Max	54698	vis	9.5	Vohla, F.	56		
		Min	55102	vis	9.3	Neumann, J.	22		
TT	Cyg	Max	54649	vis	7.1	Neumann, J.	25		
		Min	55020	vis	7.8	Neumann, J.	25		
AF	Cyg	Max	53158	vis	6.95	Born, E.	18		
		Min	53228	vis	7.9	Born, E.	18		
		Max	53260	vis	7.3	Born, E.	18		
		Min	53306	vis	8.0	Born, E.	18		
		Max	53354	vis	7.3	Born, E.	18		
		Max	53544	vis	6.6	Born, E.	18		

Table 6 – Semiregular, Longperiod and RV-Tauri-Stars (cont.)

AF	Cyg	Min	53594	vis	7.6	Born, E.	18
		Max	53642	vis	6.7	Born, E.	15
		Min	53685	vis	7.5	Born, E.	15
		Max	53722	vis	6.4	Born, E.	15
		Min	53885	vis	7.3	Born, E.	15
		Max	53924	vis	6.8	Born, E.	15
		Min	53972	vis	7.6	Born, E.	18
		Max	54022	vis	7.0	Born, E.	15
		Min	54266	vis	7.45	Born, E.	15
		Max	54296	vis	6.8	Born, E.	15
		Min	54347	vis	7.9	Born, E.	15
		Max	54384	vis	7.2	Born, E.	15
		Min	54434	vis	7.9	Born, E.	15
		Max	54675	vis	7.0	Vohla, F.	100
		Max	54679	vis	7.1	Born, E.	15
		Min	54726	vis	7.65	Born, E.	15
		Max	54762	vis	7.25	Born, E.	15
		Min	54812	vis	7.7	Born, E.	15
		Max	54926	vis	7.2	Born, E.	15
		CH	Cyg	Min	54992	vis	8.0
Max	54611			vis	9.0	Vohla, F.	17
Min	54665			vis	9.9	Vohla, F.	16
Max	54710			vis	9.0	Vohla, F.	17
Min	54825			vis	9.7	Vohla, F.	16
GY V460	Cyg	Min	55067	vis	9.1	Neumann, J.	9
		Max	55093	vis	8.0	Neumann, J.	9
		Max	54720	vis	10.4	Vohla, F.	34
		Max	54606	vis	5.7	Neumann, J.	15
		Min	54686	vis	6.4	Neumann, J.	15
U	Del	Max	54727	vis	5.6	Neumann, J.	15
		Max	55008	vis	6.3	Neumann, J.	0
		Max	54652	vis	6.4	Vohla, F.	56
		Min	55050	vis	6.9	Neumann, J.	7
		Max	55076	vis	6.7	Neumann, J.	7
EU	Del	Min	55121	vis	7.1	Neumann, J.	7
		Max	55138	vis	6.9	Neumann, J.	7
		Min	55188	vis	7.4	Neumann, J.	7
		Max	54574	vis	5.6	Vohla, F.	12
		Min	54597	vis	6.6	Vohla, F.	12
EU	Del	Max	54642	vis	5.8	Vohla, F.	12
		Min	54746	vis	6.6	Vohla, F.	12
RY	Dra	Max	54844	vis	5.9	Vohla, F.	12
		Max	54772	vis	6.3	Neumann, J.	10
		Min	54836	vis	7.3	Neumann, J.	9
		Max	54944	vis	6.2	Neumann, J.	10
		Min	54962	vis	6.8	Neumann, J.	9
TX	Dra	Max	55030	vis	6.0	Neumann, J.	10
		Min	55086	vis	6.8	Neumann, J.	9
		Max	53020	vis	7.2	Born, E.	12
		Min	53072	vis	8.1	Born, E.	12
		Max	53110	vis	6.95	Born, E.	12
		Min	53150	vis	7.75	Born, E.	12
		Max	53178	vis	7.25	Born, E.	12
		Min	53214	vis	8.0	Born, E.	12
		Max	53260	vis	7.3	Born, E.	12
		Min	53300	vis	7.8	Born, E.	12
Max	53346	vis	7.3	Born, E.	12		
Min	53380	vis	7.8	Born, E.	12		

Table 6 – Semiregular, Longperiod and RV-Tauri-Stars (cont.)

TX	Dra	Min	53464	vis	8.05	Born, E.	12
		Max	53500	vis	7.4	Born, E.	49
		Min	53606	vis	8.2	Born, E.	12
		Max	53863	vis	7.1	Born, E.	49
		Min	54217	vis	7.95	Born, E.	27
		Max	54248	vis	7.5	Born, E.	27
		Max	54391	vis	7.6	Born, E.	27
		Min	54432	vis	8.0	Born, E.	27
		Max	54610	vis	7.05	Born, E.	10
		Min	54655	vis	7.7	Born, E.	10
		Max	54685	vis	7.3	Born, E.	10
		Min	54728	vis	7.8	Born, E.	10
		Max	54760	vis	7.0	Born, E.	10
		Max	54763	vis	6.9	Vohla, F.	13
		Min	54805	vis	7.95	Born, E.	10
		Max	54838	vis	7.0	Born, E.	10
		Max	54839	vis	6.8	Vohla, F.	12
		Min	54875	vis	7.95	Born, E.	10
		Max	54911	vis	7.1	Born, E.	10
		UX	Dra	Min	54946	vis	8.0
Min	54725			vis	6.7	Neumann, J.	20
Max	54973			vis	6.0	Neumann, J.	20
SS	Gem	Min	55087	vis	7.0	Neumann, J.	20
		Max	54776	vis	8.7	Vohla, F.	11
		Min	54820	vis	9.5	Vohla, F.	11
		Max	54863	vis	8.8	Vohla, F.	11
X	Her	Min	54910	vis	9.5	Vohla, F.	11
		Max	54522	vis	6.4	Vohla, F.	22
		Min	54636	vis	7.2	Vohla, F.	22
		Max	54714	vis	6.4	Vohla, F.	22
		Min	54786	vis	7.2	Vohla, F.	22
AC	Her	Max	54855	vis	6.4	Vohla, F.	22
		Max	53506	vis	7.7	Born, E.	14
		Min	53528	vis	8.7	Born, E.	13
		Max	53547	vis	7.6	Born, E.	14
		Max	53622	vis	7.45	Born, E.	14
		Min	53681	vis	8.6	Born, E.	13
		Max	53694	vis	7.7	Born, E.	14
		Min	53904	vis	8.65	Born, E.	20
		Max	53919	vis	7.5	Born, E.	19
		Min	53938	vis	8.1	Born, E.	20
		Min	54020	vis	8.15	Born, E.	19
		Min	54283	vis	8.6	Born, E.	15
		Max	54297	vis	7.45	Born, E.	14
		Min	54319	vis	8.2	Born, E.	15
		Max	54332	vis	7.55	Born, E.	14
		Max	54371	vis	7.55	Born, E.	14
		Min	54582	vis	8.5	Vohla, F.	7
		Max	54597	vis	7.2	Vohla, F.	8
		Min	54620	vis	8.4	Vohla, F.	7
		Min	54654	vis	8.5	Vohla, F.	7
Min	54658	vis	8.6	Born, E.	12		
Max	54671	vis	7.2	Vohla, F.	8		
Max	54677	vis	7.65	Born, E.	12		
Min	54680	vis	8.4	Vohla, F.	7		
Min	54695	vis	8.05	Born, E.	12		
Min	54736	vis	8.6	Born, E.	12		
Min	54737	vis	8.5	Vohla, F.	25		

Table 6 – Semiregular, Longperiod and RV-Tauri-Stars (cont.)

AC	Her	Max	54752	vis	7.5	Born, E.	12		
alpha	Her	Max	54682	vis	3.3	Neumann, J.	20		
		Min	54975	vis	3.6	Neumann, J.	21		
g	Her	Max	54612	vis	5.1	Vohla, F.	45		
		Min	54768	vis	5.7	Vohla, F.	46		
R	Lep	Max	54811	:	vis	6.1	Neumann, J.	15	
U	Mon	Min	53765	vis	7.3	Born, E.	12		
		Max	53786	vis	5.8	Born, E.	12		
		Min	53809	vis	6.3	Born, E.	12		
		Min	54084	vis	6.9	Born, E.	11		
		Max	54102	vis	5.85	Born, E.	11		
		Min	54175	vis	6.8	Born, E.	11		
		Max	54195	vis	5.9	Born, E.	11		
		Min	54221	vis	6.8	Born, E.	11		
		Min	54777	vis	6.9	Vohla, F.	11		
		Min	54820	vis	6.4	Vohla, F.	11		
		Max	54838	vis	5.6	Vohla, F.	11		
		Min	54867	vis	7.1	Vohla, F.	11		
		X	Mon	Max	55231	vis	7.3	Neumann, J.	10
				Max	55093	vis	2.3	Neumann, J.	12
		beta	Peg	Min	55165	vis	2.8	Neumann, J.	12
Max	55098			vis	6.6	Neumann, J.	10		
Z	Psc	Max	55098	vis	6.6	Neumann, J.	10		
X	Sge	Max	55063	vis	8.4	Neumann, J.	22		
R	Sct	Max	53564	vis	5.1	Born, E.	22		
		Min	53656	vis	7.5	Born, E.	23		
		Max	53694	vis	5.0	Born, E.	22		
		Min	53933	vis	7.3	Born, E.	34		
		Max	53990	vis	5.0	Born, E.	34		
		Min	54306	vis	6.3	Born, E.	22		
		Max	54348	vis	5.1	Born, E.	22		
		Min	54375	vis	5.65	Born, E.	22		
		Min	54604	vis	7.4	Vohla, F.	28		
		Max	54641	vis	4.9	Born, E.	13		
R	Sct	Min	54667	vis	5.7	Born, E.	14		
		Max	54695	vis	5.15	Born, E.	13		
		Min	54740	vis	6.4	Vohla, F.	32		
		Min	54743	vis	6.35	Born, E.	13		
		Min	54888	vis	7.3	Vohla, F.	8		
		Max	54957	vis	4.75	Sterzinger, P.	22		
		Min	55015	vis	6.85	Sterzinger, P.	22		
		Min	55016	vis	6.5	Neumann, J.	9		
		Min	55016	:	vis	6.8	Winkler, R.	50	
		Max	55088	vis	5.1	Neumann, J.	9		
Z	UMa	Min	53146	vis	8.6	Born, E.	12		
		Max	53225	vis	7.3	Born, E.	12		
		Min	53254	vis	7.8	Born, E.	12		
		Max	53276	vis	6.8	Born, E.	12		
		Min	53326	vis	8.45	Born, E.	12		
		Max	53360	vis	7.8	Born, E.	12		
		Max	53462	vis	6.9	Born, E.	12		
		Min	53511	vis	8.7	Born, E.	12		
		Min	53576	vis	8.5	Born, E.	12		
		Max	53654	vis	6.8	Born, E.	25		
		Min	53725	vis	8.65	Born, E.	24		
		Max	53858	vis	7.5	Born, E.	25		
		Min	53910	vis	8.75	Born, E.	24		
		Min	54094	vis	8.6	Born, E.	31		
		Max	54212	vis	7.1	Born, E.	31		

Table 6 – Semiregular, Longperiod and RV-Tauri-Stars (cont.)

Z	UMa	Min	54285	vis	8.3	Born, E.	31		
		Max	54579	vis	7.3	Vohla, F.	15		
		Max	54640	vis	7.0	Born, E.	21		
		Min	54643	vis	9.0	Vohla, F.	16		
		Max	54750	vis	7.2	Vohla, F.	15		
		Min	54770	vis	8.9	Born, E.	21		
		Min	54832	vis	8.9	Born, E.	21		
		Min	54837	vis	8.9	Vohla, F.	16		
		Max	54895	vis	7.5	Vohla, F.	15		
		Max	54974	vis	7.1	Born, E.	21		
		RY	UMa	Min	54755	vis	7.9	Vohla, F.	82
				Max	54889	vis	7.0	Neumann, J.	17
				Min	55018	vis	8.2	Neumann, J.	17
		RZ	UMa	Max	54543	vis	9.5	Vohla, F.	21
Min	54737			vis	10.7	Vohla, F.	21		
ST	UMa	Max	54869	: vis	5.8 :	Neumann, J.	18		
		Min	54975	vis	6.1	Neumann, J.	18		
V	UMi	Max	53564	vis	7.4	Born, E.	15		
		Min	53600	vis	8.2	Born, E.	15		
		Min	53672	vis	8.2	Born, E.	13		
		Max	53706	vis	7.5	Born, E.	15		
		Min	53904	vis	8.2	Born, E.	15		
		Max	53933	vis	7.25	Born, E.	15		
		Min	53972	vis	8.2	Born, E.	15		
		Max	54004	vis	7.4	Born, E.	10		
		Min	54033	vis	8.25	Born, E.	10		
		V	UMi	Max	54073	vis	7.0	Born, E.	10
				Min	54114	vis	8.25	Born, E.	10
Max	54146			vis	7.2	Born, E.	10		
Min	54175			vis	8.2	Born, E.	10		
Max	54216			vis	7.2	Born, E.	10		
Min	54260			vis	8.5	Born, E.	10		
Max	54296			vis	7.6	Born, E.	10		
Min	54330			vis	8.4	Born, E.	10		
Max	54359			vis	7.7	Born, E.	10		
V	Vul			Min	54631	vis	8.7	Vohla, F.	19
				Min	54706	vis	8.8	Vohla, F.	19
V336	Vul	Min	55117	vis	8.9 :	Neumann, J.	21		

Table 7 – Cataclysmic Variables

Z	Cam	Max	54735	: vis	11.0	Vohla, F.	6
		Max	54851	: vis	10.3	Vohla, F.	6
SS	Cyg	Max	54562	vis	8.5	Vohla, F.	10
		Max	54616	vis	9.1	Vohla, F.	10
		Max	54707	vis	8.1	Vohla, F.	10
		Max	54738	vis	10.1	Vohla, F.	10
		Max	54771	vis	8.8	Vohla, F.	10
		Max	54803	vis	9.2	Vohla, F.	10
		Max	54858	vis	8.4	Vohla, F.	10

Table 8 – Correction to OEJV 0120

R	Leo	Max	54811	vis	6.1	Neumann, J.	must be deleted
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