

BAV-Results of Observations

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Abstract: This 62nd compilation contains the results of visual observations of BAV-members from the years 2007 and 2008. Here we publish altogether 337 minima and maxima of 201 eclipsing binaries, pulsating and eruptive stars. The data were acquired by 14 observers. The compilation contains also one photographic- and two ccd-results.

We introduce 9 minima timings from 7 eclipsing binaries, 18 maxima from 12 RR-Lyrae-stars, 30 maxima from 30 cepheids, 191 maxima and minima from 119 mirastars, 83 maxima and minima from 30 semiregular, longperiod and RV-Tauri-stars and 6 maxima and minima from 3 eruptive variables. The results were acquired by 13 observers in Germany and one in Austria in the years 2007 and 2008.

This paper contains only unpublished observations.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**

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

Table 1 – Eclipsing Binaries

RZ	Cas	53252.380	I	vis	Obertriffter, R.	14	
		54360.390	I	vis	Stein, P.	18	
		54366.358	I	vis	Steinbach, H.	21	
TV	Cas	54381.394	I	vis	Steinbach, H.	20	
AI	Cep	45623.370	I	F	Frank, P.	35	measurement with microphotometer
BR	Cyg	53251.376	I	vis	Obertriffter, R.	12	
TZ	Dra	53252.359	I	vis	Obertriffter, R.	10	
DI	Peg	53251.381	I	vis	Obertriffter, R.	19	
beta	Per	53251.410	I	vis	Obertriffter, R.	11	

Table 2 – RR-Lyrae-Stars

SW	And	54349.415	I	vis	Zimmermann, T.	29	
		54387.439	I	vis	Zimmermann, T.	33	
UU	Boo	54239.423	I	vis	Steinbach, H.	26	
		54245.382	I	vis	Steinbach, H.	30	
CM	Boo	54590.433	:	I	vis	Zimmermann, T.	27
UY	Cyg	54324.424	I	vis	Zimmermann, T.	14	
		54338.435	I	vis	Zimmermann, T.	15	
XZ	Cyg	53252.435	I	vis	Obertriffter, R.	19	
		53253.399	I	vis	Obertriffter, R.	15	
DX	Del	54366.350	I	vis	Steinbach, H.	24	
VX	Her	54608.389	I	vis	Zimmermann, T.	16	
AR	Her	54589.415	I	vis	Zimmermann, T.	27	
BD	Her	54356.304	I	vis	Steinbach, H.	16	
RR	Leo	54514.392	I	vis	Zimmermann, T.	42	
		54529.319	I	vis	Zimmermann, T.	18	
RR	Lyr	53253.422	I	vis	Obertriffter, R.	14	
		54338.406	I	vis	Steinbach, H.	19	
FN	Lyr	54387.378	I	vis	Steinbach, H.	29	

Table 3 – Cepheids

SZ	Aql	54382.86	I	vis	Kriebel, W.	45) normal maxima	
eta	Aql	54356.98	I	vis	Sturm, A.	30)	
RT	Aur	54508.34	I	vis	Sturm, A.	31)	
RX	Aur	54478.05	I	vis	Sturm, A.	33)	
RX	Cam	54508.29	I	vis	Sturm, A.	36)	
CK	Cam	54529.39	I	vis	Sturm, A.	34)	
RY	CMa	54504.23	I	vis	Sturm, A.	33)	
TW	Cap	53983.40	I	vis	Kriebel, W.	54)	
RW	Cas	54391.37	I	vis	Kriebel, W.	52)	
SU	Cas	54478.20	I	vis	Sturm, A.	38)	
TU	Cas	54474.01	I	vis	Sturm, A.	38)	
CP	Cep	54380.15	I	vis	Kriebel, W.	52)	
delta	Cep	54353.23	I	vis	Sturm, A.	45)	
SZ	Cyg	53990.05	:	I	vis	Kriebel, W.	79)
VX	Cyg	54314.30	I	vis	Kriebel, W.	61)	
CD	Cyg	54383.20	I	vis	Kriebel, W.	47)	
W	Gem	54506.29	I	vis	Sturm, A.	31)	
zeta	Gem	54504.45	I	vis	Sturm, A.	30)	
V	Lac	54390.16	:	I	vis	Kriebel, W.	54)
Z	Lac	54365.97	I	vis	Kriebel, W.	46)	
RR	Lac	54364.50	I	vis	Kriebel, W.	45)	
AW	Per	54505.30	I	vis	Sturm, A.	33)	
U	Sgr	54306.48	I	vis	Sturm, A.	35)	
W	Sgr	54296.12	I	vis	Sturm, A.	29)	
X	Sgr	54297.63	I	vis	Sturm, A.	26)	
Y	Sgr	54318.18	I	vis	Sturm, A.	32)	
YZ	Sgr	54297.18	I	vis	Sturm, A.	33)	
AP	Sgr	54289.42	I	vis	Sturm, A.	30)	
BB	Sgr	54305.98	I	vis	Sturm, A.	35)	
SV	Vul	54375.30	I	vis	Kriebel, W.	57)	

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

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 (JDhel – 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 4 – Mirastars

V	And	Max	54357	vis	9.8	Marx, H.	11	
Y	And	Max	54149	vis	8.6	Marx, H.	10	
TU	And	Max	53972	vis	7.7	Winkler, R.	14	
		Min	54490	vis	13.4	Marx, H.	14	
YZ	And	Max	54503	vis	11.2	Marx, H.	8	
RT	Aql	Min	53968	vis	14.5	Marx, H.	18	
RV	Aql	Min	54322	vis	14.4	Marx, H.	11	
		Max	54416	vis	8.6	Marx, H.	13	
TU	Aql	Max	54303	vis	9.0	Marx, H.	10	
HI	Aql	Min	54383	ccd	16.2	Quester, W.	16	ccd-camera ST-7 V-filter
RT	Ari	Max	54474	vis	10.8	Marx, H.	10	
R	Aur	Max	54040	vis	7.1	Winkler, R.	14	
		Max	54482	vis	7.3	Vohla, F.	57	
X	Aur	Max	54202	vis	8.7	Vohla, F.	22	
		Max	54378	vis	8.1	Vohla, F.	24	
RR	Aur	Max	54199	vis	9.7	Marx, H.	11	
		Max	54508	vis	9.7	Marx, H.	13	
ST	Aur	Max	53803	vis	11.4	Marx, H.	10	
		Max	54094	vis	10.8	Marx, H.	13	
SZ	Aur	Max	54110	vis	10.4	Marx, H.	14	
UV	Aur	Max	54447	vis	7.7	Vohla, F.	64	
GO	Aur	Max	54120	vis	10.9	Marx, H.	13	
HT	Aur	Max	54163	vis	10.3	Marx, H.	15	
R	Boo	Max	53914	vis	7.2	Winkler, R.	11	
		Max	54252	vis	12.0	Vohla, F.	28	
		Max	54356	vis	6.7	R.,tz, K.	15	
		Max	54364	vis	7.4	Vohla, F.	53	
S	Boo	Max	54231	vis	8.9	Vohla, F.	32	
		Max	54496	vis	8.7	Vohla, F.	41	
RR	Boo	Min	54265	vis	14.4	Marx, H.	13	
		Max	54354	vis	9.4	Marx, H.	12	
T	Cam	Max	54209	vis	7.9	Winkler, R.	17	
W	Cam	Max	54180	vis	11.1	Marx, H.	14	
		Max	54471	vis	10.6	Marx, H.	11	
X	Cam	Max	54146	vis	8.0	Marx, H.	11	
		Min	54237	vis	13.6	Marx, H.	11	
		Max	54309	vis	8.5	Marx, H.	10	
		Min	54376	vis	13.3	Marx, H.	7	
		Max	54436	vis	7.9	Marx, H.	10	

Table 4 – Mirastars (cont.)

X	Cam	Min	54515	vis	11.6	Marx, H.	8	standstill after the maximum
		Max	54575	vis	7.6	Marx, H.	8	
SU	Cam	Max	54524	vis	9.9	Marx, H.	12	
SU	Cnc	Max	54166	vis	10.9	Marx, H.	14	
		Max	54548	vis	11.0	Marx, H.	11	
R	Cas	Max	54394	vis	6.4	Winkler, R.	16	
T	Cas	Max	54196	vis	7.9	Winkler, R.	15	
V	Cas	Max	54200	vis	7.9	Winkler, R.	15	
		Max	54207	vis	7.8	Vohla, F.	22	
		Min	54318	vis	13.1	Vohla, F.	22	
		Max	54431	vis	7.6	Winkler, R.	13	
		Max	54435	vis	7.7	Vohla, F.	22	
W	Cas	Max	54373	vis	9.0	Vohla, F.	57	
RR	Cas	Min	54123	vis	14.1	Marx, H.	15	
TY	Cas	Max	54418	vis	11.2	Marx, H.	14	
VZ	Cas	Max	54489	vis	9.9	Marx, H.	10	
S	Cep	Min	54152	vis	11.1	Vohla, F.	49	
		Max	54437	vis	7.8	Vohla, F.	49	
T	Cep	Max	54051	vis	6.2	Winkler, R.	14	
		Min	54260	vis	10.3	Vohla, F.	53	
		Min	54270	vis	9.8	Marx, H.	23	
		Max	54384	vis	5.8	Winkler, R.	13	
		Max	54434	vis	5.75	Sturm, A.	19	
		Max	54444	vis	5.9	Marx, H.	21	
		Max	54449	vis	5.8	Vohla, F.	53	
AB	Cep	Max	54112	vis	10.7	Marx, H.	12	
		Max	54444	vis	11.1	Marx, H.	11	
X	Cet	Min	54469	vis	12.4	Marx, H.	9	
		Max	54484	vis	3.7	Winkler, R.	13	
S	CrB	Min	54242	vis	12.0	Vohla, F.	43	
		Max	54354	vis	7.4	Winkler, R.	15	
		Max	54372	vis	6.7	Vohla, F.	43	
U	Cyg	Max	54293	vis	7.7	Vohla, F.	77	
Z	Cyg	Max	54341	vis	9.0	Vohla, F.	22	
RT	Cyg	Min	54199	vis	12.1	Vohla, F.	24	
		Max	54285	vis	6.7	R.,tz, K.	9	
		Max	54290	vis	7.4	Vohla, F.	23	
		Max	54294	vis	7.2	Winkler, R.	20	
		Min	54393	vis	12.2	Vohla, F.	24	
		Max	54472	vis	7.4	Winkler, R.	12	
		Max	54483	vis	7.8	Vohla, F.	23	
ST	Cyg	Min	54330	vis	13.9	Marx, H.	16	
TY	Cyg	Max	54302	vis	9.5	Vohla, F.	17	
BG	Cyg	Min	54234	vis	12.1	Vohla, F.	22	
		Max	54355	vis	10.3	Vohla, F.	22	
CN	Cyg	Max	54338	vis	9.3	Vohla, F.	26	
IZ	Cyg	Max	53953	vis	10.3	Marx, H.	12	
		Max	54410	vis	10.6	Marx, H.	14	
LV	Cyg	Max	54044	vis	10.8	Marx, H.	13	
		Max	54366	vis	5.8	Sturm, A.	24	
		Max	54370	vis	5.7	Winkler, R.	17	
chi	Cyg	Max	54371	vis	5.8	Vohla, F.	56	

Table 4 – Mirastars (cont.)

X	Del	Min	54418	vis	14.7	Marx, H.	15
RX	Del	Max	54338	vis	10.7	Marx, H.	10
SS	Del	Max	54023	vis	13.1	Marx, H.	9
		Max	54410	vis	11.5	Marx, H.	12
R	Dra	Max	54371	vis	8.3	Winkler, R.	16
RT	Dra	Min	54245	vis	14.7	Marx, H.	15
		Max	54382	vis	9.1	Marx, H.	8
RV	Dra	Max	54189	vis	9.5	Marx, H.	10
		Min	54300	vis	14.4	Marx, H.	12
		Max	54384	vis	9.6	Marx, H.	9
ST	Gem	Max	54161	vis	9.3	Marx, H.	13
VV	Gem	Max	54489	vis	11.1	Marx, H.	11
ZZ	Gem	Max	54542	vis	8.7	Marx, H.	16
BP	Gem	Max	54164	vis	11.0	Marx, H.	13
CD	Gem	Max	54178	vis	11.3	Marx, H.	13
		Max	54478	vis	12.1	Marx, H.	10
S	Her	Max	54271	vis	8.1	Vohla, F.	50
		Max	54279	vis	7.2	Winkler, R.	20
T	Her	Max	54194	vis	8.1	Vohla, F.	26
		Max	54366	vis	8.2	Vohla, F.	35
		Max	54522	vis	8.4	Vohla, F.	20
U	Her	Max	54337	vis	7.3	Vohla, F.	58
		Max	54347	vis	6.7	Winkler, R.	17
W	Her	Max	54294	vis	9.0	Vohla, F.	64
RS	Her	Max	54368	vis	8.6	Vohla, F.	44
RY	Her	Min	54388	vis	13.8	Marx, H.	12
WZ	Her	Max	54043	vis	11.4	Marx, H.	12
		Max	54296	vis	11.8	Marx, H.	11
XZ	Her	Max	54312	vis	10.6	Marx, H.	8
AE	Her	Max	54342	vis	10.0	Marx, H.	10
AS	Her	Min	54277	vis	13.2	Marx, H.	14
AZ	Her	Max	54370	vis	10.9	Marx, H.	10
CF	Her	Max	54315	vis	9.7	Marx, H.	13
DN	Her	Max	54251	vis	10.2	Marx, H.	14
DS	Her	Max	54402	vis	10.5	Marx, H.	11
FU	Her	Max	54364	vis	11.7	Marx, H.	12
R	Leo	Max	54159	vis	6.0	Vohla, F.	54
		Max	54165	vis	5.7	Winkler, R.	27
		Max	54468	vis	5.4	Vohla, F.	42
		Max	54469	vis		Hoffmann, P.	18
S	Leo	Max	54221	vis	10.2	Marx, H.	11
V	Leo	Max	54190	vis	8.6	Marx, H.	11
RS	Leo	Max	54553	vis	10.3	Marx, H.	8
S	LMi	Min	54546	vis	13.7	Marx, H.	11
S	Lyn	Max	54172	vis	8.9	Marx, H.	15
RU	Lyn	Max	54215	vis	9.8	Marx, H.	10
W	Lyr	Max	54169	vis	8.1	Vohla, F.	29
		Max	54349	vis	7.4	Winkler, R.	14
		Max	54366	vis	8.3	Vohla, F.	41
TW	Lyr	Max	54037	vis	11.1	Marx, H.	14
TY	Lyr	Max	54465	vis	10.0	Marx, H.	9
UV	Lyr	Max	54348	vis	10.8	Marx, H.	13
UW	Lyr	Max	54427	vis	11.3	Marx, H.	10

Table 4 – Mirastars (cont.)

AB	Lyr	Max	54396	vis	11.2	Marx, H.	12
AN	Lyr	Max	53979	vis	11.5	Marx, H.	9
EL	Lyr	Max	54043	vis	12.0	Marx, H.	16
Y	Mon	Min	54511	vis	14.3	Marx, H.	12
RS	Mon	Max	54515	vis	10.6	Marx, H.	12
X	Oph	Max	54163	vis	6.2	Vohla, F.	45
		Min	54328	vis	8.5	Vohla, F.	44
RX	Oph	Max	54331	vis	11.1	Marx, H.	15
V450	Oph	Max	54367	vis	11.4	Marx, H.	8
V970	Oph	Max	53949	vis	10.6	Marx, H.	14
U	Ori	Max	54140	vis	6.6	Winkler, R.	19
		Max	54145	vis	6.5	Vohla, F.	35
R	Peg	Max	54096	vis	7.8	Winkler, R.	8
		Max	54473	vis	8.0	Vohla, F.	13
		Max	54474	vis	7.5	Winkler, R.	12
RT	Peg	Max	54381	vis	10.1	Marx, H.	9
DG	Peg	Max	54370	vis	10.8	Marx, H.	7
DL	Peg	Max	54386	vis	10.6	Marx, H.	11
R	Per	Min	54500	vis	13.4	Marx, H.	11
U	Per	Max	54311	vis	8.1	Vohla, F.	26
		Min	54464	vis	10.4	Vohla, F.	26
Y	Per	Max	54403	vis	9.0	Vohla, F.	61
AI	Per	Max	54480	vis	12.3	Marx, H.	15
W	Psc	Max	54374	vis	11.1	Marx, H.	10
V	Tau	Max	54495	vis	9.1	Vohla, F.	20
RX	Tau	Min	54122	vis	14.2	Marx, H.	14
R	Tri	Min	54160	vis	12.0	Vohla, F.	14
		Min	54424	vis	11.7	Vohla, F.	49
R	UMa	Max	54323	vis	7.0	Winkler, R.	24
		Max	54327	vis	7.2	R.,tz, K.	27
		Max	54332	vis	6.9	Vohla, F.	31
S	UMa	Min	54463	vis	11.5	Vohla, F.	25
T	UMa	Max	54335	vis	7.7	Winkler, R.	14
		Max	54337	vis	8.0	Vohla, F.	21
X	UMa	Max	54169	vis	9.5	Marx, H.	14
RS	UMa	Min	54250	vis	14.7	Marx, H.	12
		Max	54346	vis	8.6	Marx, H.	12
S	UMi	Min	54184	vis	12.8	Vohla, F.	49
		Max	54349	vis	8.2	Vohla, F.	98
U	UMi	Max	54453	vis	8.6	Vohla, F.	80
R	Vir	Max	54182	vis	7.7	Vohla, F.	33
RS	Vir	Max	53889	vis	8.7	Marx, H.	14
SU	Vir	Max	54203	vis	9.7	Marx, H.	11
R	Vul	Max	54200	vis	8.3	Vohla, F.	20
		Max	54335	vis	8.3	Vohla, F.	26
		Max	54473	vis	7.4	Vohla, F.	12

Table 5 – Semiregular, Longperiod and RV-Tauri-Stars

S	Aql	Max	54253	: vis	9.1	Vohla, F.	34
		Min	54302	vis	11.3	Vohla, F.	34
T	Ari	Min	54398	: vis	10.3	Vohla, F.	35
Z	Aur	Max	54383	vis	9.7	Vohla, F.	45
		Min	54445	vis	11.3	Vohla, F.	45
		Max	54494	vis	9.7	Vohla, F.	45
		Max	54494	vis	9.7	Vohla, F.	45
V	Boo	Min	54372	vis	8.9	Vohla, F.	84
SW	CrB	Min	54327	vis	8.0	Vohla, F.	46
		Max	54438	vis	7.7	Vohla, F.	46
W	Cyg	Min	54180	vis	7.0	Vohla, F.	65
		Max	54431	vis	5.3	Vohla, F.	65
RS	Cyg	Min	54289	vis	10.0	Vohla, F.	97
AF	Cyg	Min	54157	vis	7.9	Vohla, F.	16
		Max	54207	vis	6.9	Vohla, F.	16
		Min	54258	vis	7.9	Vohla, F.	16
		Max	54300	vis	6.8	Vohla, F.	16
		Min	54341	vis	8.0	Sturm, A.	11
		Min	54348	vis	7.9	Vohla, F.	16
		Max	54389	vis	6.75	Sturm, A.	11
		Max	54394	vis	7.2	Vohla, F.	16
		Min	54435	: vis	7.9	Vohla, F.	16
		Max	54489	vis	7.1	Vohla, F.	16
		CH	Cyg	Max	54401	vis	9.0
Min	54470			vis	9.8	Vohla, F.	44
GY	Cyg	Min	54319	vis	10.8	Vohla, F.	61
U	Del	Min	54262	vis	7.4	Vohla, F.	17
		Max	54308	vis	6.5	Vohla, F.	17
		Min	54358	vis	7.4	Vohla, F.	17
		Max	54389	vis	6.5	Vohla, F.	17
		Min	54442	vis	7.0	Vohla, F.	17
EU	Del	Min	54355	vis	6.7	Vohla, F.	22
		Max	54390	vis	6.0	Vohla, F.	22
		Min	54435	vis	6.7	Vohla, F.	22
		Max	54488	vis	5.7	Vohla, F.	22
S	Dra	Max	54193	vis	8.6	Vohla, F.	83
BQ	Gem	Max	54538	: vis	4.8	Neumann, J.	16
IS	Gem	Min	54514	vis	6.3	Neumann, J.	15
NZ	Gem	Max	54548	: vis	5.0	Neumann, J.	16
PS	Gem	Min	54524	vis	7.6	Neumann, J.	13
		Max	54557	vis	7.3	Neumann, J.	13
X	Her	Max	54353	vis	6.2	Vohla, F.	48
		Min	54473	vis	7.1	Vohla, F.	48
AC	Her	Min	54171	vis	7.8	Sturm, A.	14
		Min	54209	vis	8.5	Vohla, F.	29
		Max	54297	vis	7.15	Sturm, A.	10
		Min	54313	vis	7.75	Sturm, A.	10
		Max	54327	vis	7.25	Sturm, A.	10
		Min	54353	vis	7.9	Sturm, A.	10
		Max	54373	vis	7.4	Sturm, A.	10
		Max	54408	vis	7.4	Sturm, A.	10
		Min	54507	vis	8.5	Vohla, F.	29
		Min	54541	vis	8.1	Vohla, F.	29

Table 5 – Semiregular, Longperiod and RV-Tauri-Stars (cont.)

RT	Hya	Max	54570	vis	7.25	Sturm, A.	15	
IN	Hya	Max	54516	vis	6.1	Neumann, J.	13	
		Min	54590	vis	6.8	Neumann, J.	13	
ST	Lyr	Max	54028	vis	11.2	Marx, H.	14	
		Max	54319	vis	10.5	Marx, H.	12	
U	Mon	Min	54497	vis	6.0	Sturm, A.	13	
		Max	54512	vis	7.0	Sturm, A.	12	
		Max	54519	vis	5.7	Neumann, J.	12	
		Min	54540	vis	6.6	Vohla, F.	24	
R	Sct	Min	54554	vis	6.1	Neumann, J.	12	
		Max	54166	vis	5.35	Sturm, A.	12	
		Min	54303	vis	6.9	Vohla, F.	79	
		Min	54305	ccd	6.45	Sterzinger, P.	53	ccd-camera SSP5 V-filter
		Min	54309	vis	6.7	Sturm, A.	11	
TU	Tau	Max	54340	vis	5.25	Sturm, A.	11	
		Max	54543	vis	8.1	Neumann, J.	16	
Z	UMa	Max	54399	vis	6.8	Vohla, F.	38	
		Min	54456	vis	8.9	Vohla, F.	37	
RY	UMa	Max	54371	vis	7.1	Vohla, F.	37	
		Min	54460	vis	7.8	Vohla, F.	36	
RZ	UMa	Max	54348	vis	9.4	Vohla, F.	23	
		Min	54434	vis	10.6	Vohla, F.	23	
V	UMi	Max	54215	vis	7.8	Vohla, F.	24	
		Max	54436	vis	7.8	Vohla, F.	24	
		Min	54479	vis	8.4	Vohla, F.	24	
		Max	54520	vis	7.8	Vohla, F.	24	
V	Vul	Min	54258	vis	8.8	Vohla, F.	17	
		Min	54331	vis	9.0	Vohla, F.	17	
		Min	54444	vis	9.7	Vohla, F.	17	
		Min	54513	vis	8.7	Vohla, F.	17	

Table 6 – Eruptive Variables

Z	And	Min	54329	vis	10.5	Vohla, F.	34
SS	Cyg	Max	54217	vis	8.2	Vohla, F.	21
		Max	54335	vis	8.2	Vohla, F.	21
		Max	54423	vis	8.6	Vohla, F.	21
		Max	54481	vis	9.6	Vohla, F.	21
U	Gem	Max	54513	vis	9.8	Vohla, F.	5