



**BAV-results of observations:
Visual maxima and minima of pulsating and eruptive stars**

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Abstract: *In this 90th compilation of BAV results of visual observations of variable stars obtained mostly in the year 2018 are presented, giving 54 maxima and 26 minima of pulsating and eruptive stars.*

We present 26 minima and 54 maxima of pulsating and eruptive stars. The results were acquired by 9 observers in Germany, Austria and France, mostly observed in the year 2018. The observations were made at private observatories.

This paper contains only unpublished observations. The types of the variable stars are taken from GCVS-catalog [3] or observer.

Please use the following link for an easy access to all the publications of the BAV [1] [2].

Explanations to the table

column 1	Variable	designation from the GCVS
column 2		constellation
column 3	Phs	phase: maximum (max) or minimum (min)
column 4	HJD 24+	heliocentric UTC timings of the observed min or max
column 5	U	if uncertain, mark „:“
column 6	Mag	magnitude
column 7	Obs	abbreviations, see table at the end of the list.
column 8	Type	type of the variable star
column 9	N	number of measurements

Number of Maxima: 54

Number of Minima: 26

Tabelle 2: Times of minima and maxima

Variable	Ext	HJD 24+	U	Mag	Obs	Type	n
R	Aql	max	58066	5.9	SM	M	27
R	Aql	max	58328	6.0	SM	M	41
R	Boo	max	57496	6.6	SCB	M	15
R	Cam	max	57740	8.7	SCB	M	17
R	Cam	min	57881	11.8	SCB	M	15
X	Cam	max	57313	7.4	SCB	M	14
X	Cam	min	58179	12.6	SCB	M	14
ST	Cam	max	57768	6.8	SCB	SRB	37
WY	Cam	max	57750	10.1	SCB	M	16
WY	Cam	max	58176	10.0	SCB	M	22
S	Cep	max	57338	7.7	SCB	M	26
S	Cep	max	57800	7.5	SCB	M	24
S	Cep	min	58029	9.5	SCB	M	30
T	Cep	max	57890	6.6	RCR	M	26
T	Cep	max	57509	6.1	SCB	M	35
T	Cep	max	57885	6.7	SCB	M	46
T	Cep	min	58028	10.0	SCB	M	45
T	Cep	min	57288	10.0	SCB	M	25
T	Cep	max	58260	6.3	SM	M	52
PQ	Cep	max	57811	9.3	SCB	M	23
PQ	Cep	min	58013	10.9	SCB	M	20
OMI	Cet	max	58129	3.3	SCB	M	29
S	CrB	max	58340	7.6	DMT	M	9
TX	Cyg	max	57653.18		KB	DCEP	61
AF	Cyg	min	57965	7.8	SM	SRB	30
AF	Cyg	max	58028	6.8	SM	SRB	21
AF	Cyg	min	58065	7.1	SM	SRB	17
AF	Cyg	min	58148	7.8	SM	SRB	10
AF	Cyg	max	58196	6.9	SM	SRB	19
AF	Cyg	min	58005	7.3	SV	SRB	9
KHI	Cyg	max	57641	4.8	SCB	M	35
KHI	Cyg	max	58052	4.4	SCB	M	36
KHI	Cyg	max	58050	4.5	SM	M	47
AC	Her	min	57904	8.0	SM	RVA	14
AC	Her	max	57919	7.5	SM	RVA	10
AC	Her	min	57934	7.9	SM	RVA	12
AC	Her	max	57953	7.4	SM	RVA	10
AC	Her	min	57979	8.4	SM	RVA	10
AC	Her	max	57997	7.4	SM	RVA	9
AC	Her	min	58017	7.8	SM	RVA	9
AC	Her	min	58053	8.6	SM	RVA	10
AC	Her	min	58271	8.0	SM	RVA	13
AC	Her	max	58294	7.6	SM	RVA	12
U	Her	max	58338	7.6	DMT	M	8
RT	Hya	max	58031	6.9	SM	SRB	18
RT	Hya	min	58149	9.0	SM	SRB	31
R	Leo	max	58208	5.0	SCB	M	50
R	Leo	max	58207	5.4	ABK	M	22
R	Leo	max	58208	5.0	SM	M	34
U	Mon	max	58059	7.8	SM	RVB	19
U	Mon	min	58202	7.3	SM	RVB	30
X	Mon	max	58054	7.3	SM	SRA	19
X	Mon	max	58210	7.5	SM	SRA	23
X	Mon	max	58054	7.3	SM	SRA	19
RR	Sco	max	58293	5.6	SM	M	19
RV	Sco	max	58285.75		SM	DCEP	40
R	Sct	min	57842	6.1	SG	RVA	12
R	Sct	min	57896	5.7	SG	RVA	8
R	Sct	min	57932	5.6	SG	RVA	10
R	Sct	min	57976	5.8	SG	RVA	13
R	Sct	min	57983	6.1	SM	RVA	11
R	Sct	min	58040	6.0	SM	RVA	16

Variable	Ext	HJD 24+	U	Mag	Obs	Type	n
R	Sct	min	58280		6.7	SM RVA	12
R	Sct	max	58302		5.2	SM RVA	14
R	Ser	max	58289		6.6	DMT M	15
R	Ser	max	57833		6.8	SM M	28
R	Ser	max	58286		5.9	SM M	33
R	UMa	max	57913	:	7.1	RCR M	16
R	UMa	max	57924		7.3	SCB M	18
R	UMa	max	58228		7.2	SCB M	22
S	UMa	max	58185		7.9	SWZ M	9
S	UMa	max	58225		7.9	SCB M	30
T	UMa	max	58178		8.25	SWZ M	10
T	UMa	max	57907		6.7	SCB M	17
Z	UMa	max	58173		6.4	SWZ SRB	29
Z	UMa	max	57767		7.6	SCB SRB	25
Z	UMa	max	58168		6.3	SCB SRB	24
Z	UMa	min	57886		8.7	SCB SRB	21
R	Vir	max	58250		6.6	SCB M	35
R	Vir	max	58253		6.3	SM M	26

Observer

ABK	Abken, Karl	Nordenham
DMT	Dumont, Michel	Bailleau l'Eveque F
KB	Kriebel, Wolfgang	Schierling
RCR	Raetz, Kerstin	Herges-Hallenberg
SCB	Schubert, Matthias	Stralsund
SG	Sterzinger, Peter	Wien A
SM	Sturm, Arthur	Saarburg
SV	Struever, Helmut	Duisburg
SWZ	Schwarz, Bernd	Laubach

References:

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<https://www.bav-astro.eu/index.php/veroeffentlichungen/service-for-scientists>
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