

# BBSAG Bulletin 16

1974 August 8

## 49<sup>th</sup> List of Minima of Eclipsing Binaries

The following table lists 220 minima obtained visually mainly during 1974 June and July by the observers

RD Roger Diethelm, Wetzikon  
 AF Alain Figer, Paris, France  
 RG Robert Germann, Wald  
 KL Kurt Locher, Grüt  
 HP Hermann Peter, Otelfingen  
 JR Joseph Remis, St. Avold, France  
 RR Raymond Rolland, Rennes, France  
 GZ György Zajãcz, Debrecen, Hungary

The O-C values refer to the linear elements of the GCVS 1969, disregarding improved elements in the 1971 first supplement to the GCVS. Reductions were made using the tracing paper method by RD, AF, RG, KL, HP, and JR.

current no.	star	minimum order	JD hel 244...	O-C	observer	current no.	star	minimum order	JD hel 244...	O-C	observer
6269	RT And	I	2254.472	-0.004	9 HP	6300	V 342 Aql	I	2214.445	-0.006	12 HP
6270	AB And	II	2241.458	+0.023	9 RD	6301		I	2258.510	-0.023	6 KL
6271		II	2241.462	+0.027	8 RG	6302	V 346 Aql	I	2200.515	-0.001	11 KL
6272		II	2244.444	+0.023	9 RG	6303		I	2220.416	-0.014	6 KL
6273		II	2251.409	+0.017	9 RD	6304		I	2251.402	-0.006	8 RG
6274		II	2251.423	+0.032	9 RG	6305	V 803 Aql	II	2215.454	-0.033	8 KL
6275		II	2255.394	+0.020	7 RG	6306		I	2218.493	-0.023	10 KL
6276		II	2258.366	+0.004	8 RG	6307		II	2220.462	-0.030	7 KL
6277	CX Aqr	I	2213.574	+0.011	10 KL	6308		I	2223.470	-0.051	5 KL
6278		I	2218.577	+0.010	8 KL	6309	TZ Boo	I	2200.470	+0.058	11 HP
6279		I	2258.604	+0.007	9 KL	6310	ZZ Boo	II	2202.392	-0.024	8 RD
6280	CZ Aqr	I	2258.516	+0.013	10 KL	6311	AD Boo	I	2214.380	+0.033	8 RG
6281	DX Aqr	I	2242.595	+0.041	4 KL	6312	SV Cam	I	2182.431	-0.007	10 AF
6282	EE Aqr	I	2255.496	+0.006	9 RD	6313		I	2214.460	-0.004	12 HP
6283		I	2258.552	+0.008	14 KL	6314		I	2230.461	-0.016	12 AF
6284	XZ Aql	I	2241.442	+0.018	9 RD	6315		I	2236.398	-0.010	16 AF
6285		I	2241.458	+0.035	10 HP	6316		I	2246.474	-0.015	11 KL
6286	FK Aql	I	2255.439	-0.056	23 HP	6317		I	2249.448	-0.007	13 KL
6287	KP Aql	I	2233.457	+0.051	13 HP	6318	RZ Cas	I	2203.466	-0.004	10 KL
6288	OO Aql	II	2200.524	-0.031	11 KL	6319		I	2215.426	+0.003	11 HP
6289		II	2201.541	-0.028	11 KL	6320		I	2215.426	+0.003	12 KL
6290		I	2214.466	-0.026	7 RG	6321		I	2246.494	-0.005	11 KL
6291		II	2233.458	-0.039	17 HP	6322		I	2258.454	+0.002	11 KL
6292		I	2249.440	-0.021	10 KL	6323		I	2258.456	+0.005	14 RG
6293		I	2250.454	-0.021	12 KL	6324	TW Cas	I	2255.484	-0.016	8 RD
6294		I	2251.450	-0.038	10 RD	6325	IS Cas	I	2241.422	-0.014	8 RD
6295		I	2251.453	-0.035	7 RG	6326	IV Cas	I	2255.525	+0.066	13 RD
6296		I	2253.490	-0.026	13 KL	6327	K 3 II 5867 Cas	I	2220.507	*	10 KL
6297		I	2255.499	-0.043	8 RD	6328		II	2221.550	*	7 KL
6298		I	2255.499	-0.043	8 RG	6329		I	2258.375	*	5 KL
6299		I	2260.580	-0.031	6 KL						

According to Häuſeler's elements IBVS 887 :

cur- rent no.	star	minimum or- der	JD hel 244...	0 - C	n ser- ver	ob- ser- ver	cur- rent no.	star	minimum or- der	JD hel 244...	0 - C	n ser- ver	ob- ser- ver
6330		II	2258.478	*	6	KL	6377	AI Dra	I	2223.476	-0.002	8	RD
6331		II	2260.579	*	6	KL	6378		I	2223.477	-0.002	7	KL
6332	U Cep	I	2255.462	+0.024	12	HP	6379		I	2241.454	-0.007	10	RD
6333		I	2255.465	+0.028	15	RD	6380		I	2247.450	-0.005	8	KL
6334		I	2255.467	+0.030	12	GZ	6381		I	2253.450	+0.001	14	KL
6335		I	2255.467	+0.030	17	RG	6382	S Equ	I	2201.587	+0.001	13	KL
6336	VW Cep	II	2200.460	-0.063	11	KL	6383	RX Her	I	2214.437	-0.002	13	HP
6337		II	2201.557	-0.080	15	KL	6384		I	2214.451	+0.012	9	RG
6338		I	2202.526	-0.085	12	KL	6385		I	2246.460	+0.007	11	KL
6339		II	2203.469	-0.116	10	KL	6386		I	2255.356	+0.010	7	RG
6340		I	2231.461	-0.095	9	KL	6387		I	2255.368	+0.022	13	HP
6341		I	2233.409	-0.095	8	KL	6388	SZ Her	I	2205.452	+0.025	6	KL
6342		II	2249.412	-0.096	13	KL	6389		I	2214.450	+0.024	12	HP
6343		I	2253.448	-0.095	16	KL	6390		I	2214.456	+0.030	10	KL
6344		I	2255.403	-0.089	9	RD	6391		I	2223.445	+0.019	7	KL
6345	EG Cep	I	2247.466	+0.020	10	KL	6392		I	2223.451	+0.026	9	RD
6346		I	2253.450	+0.014	13	KL	6393		I	2241.448	+0.024	9	HP
6347	TW Cet	I	2257.571	-0.015	7	KL	6394		I	2241.449	+0.025	11	RD
6348	RW Com	II	2223.444	-0.038	8	RD	6395		I	2250.453	+0.031	7	KL
6349	RW CrB	I	2202.380	-0.001	7	RD	6396	TT Her	I	2241.442	-0.012	7	RD
6350		I	2223.441	-0.006	7	RD	6397	TU Her	I	2218.436	-0.062	10	HP
6351		I	2255.407	-0.003	8	RD	6398		I	2218.436	-0.062	7	KL
6352	K3Π 7265 CrB	II	2200.384	**	10	KL	6399	UX Her	I	2212.487	-0.048	10	KL
6353		II	2201.552	**	14	KL	6400		I	2257.368	-0.084	8	HP
6354		I	2202.439	**	10	KL	6401		I	2257.394	-0.058	8	RG
6355		I	2212.458	**	5	KL	6402	CC Her	I	2203.454	+0.045	9	KL
6356		II	2214.513	**	11	KL	6403		I	2255.479	+0.050	11	RD
6357		I	2215.398	**	6	KL	6404	V 338 Her	I	2223.454	+0.071	8	RD
6358		II	2220.402	**	6	KL	6405	u Her	I	2182.444	+0.011		JR
6359		II	2221.574	**	6	KL	6406	SW Lac	I	2201.579	-0.062	15	KL
6360		I	2258.387	**	7	KL	6407		I	2202.532	-0.071	10	KL
6361	UW Cyg	I	2223.431	-0.045	8	RD	6408		II	2214.563	-0.068	12	KL
6362		I	2223.461	-0.014	8	KL	6409		I	2218.576	-0.062	9	KL
6363	ZZ Cyg	I	2234.440	-0.034	14	HP	6410		I	2246.486	-0.057	14	KL
6364	AE Cyg	I	2218.510	+0.013	6	KL	6411		I	2247.441	-0.065	6	KL
6365		I	2220.437	+0.002	6	KL	6412		II	2251.450	-0.064	8	RG
6366	BR Cyg	I	2200.425	+0.019	10	KL	6413		I	2255.447	-0.077	9	RG
6367	KR Cyg	I	2254.449	+0.001	10	HP	6414		I	2255.468	-0.056	7	RD
6368	V 456 Cyg	I	2203.439	-0.010	10	KL	6415		I	2257.377	-0.071	8	RG
6369	V 548 Cyg	I	2223.392	-0.079	8	RG	6416		I	2258.348	-0.062	7	RG
6370		I	2223.422	-0.049	8	RD	6417		I	2260.589	-0.066	10	KL
6371	V 687 Cyg	I	2212.426	-0.005	7	HP	6418	VX Lac	I	2258.477	-0.055	6	KL
6372	YY Del	I	2258.427	+0.024	7	KL	6419	AM Leo	II	2202.385	-0.041	8	RD
6373	FZ Del	I	2201.600	+0.015	13	KL	6420	RV Lyr	I	2258.503	+0.040	12	KL
6374	RZ Dra	I	2200.475	-0.005	14	HP	6421	FL Lyr	I	2218.455	-0.011	11	HP
6375		I	2205.429	-0.009	6	KL	6422		I	2255.488	-0.007	12	HP
6376		I	2254.452	-0.015	9	HP	6423		I	2255.506	+0.012	10	RD
							6424	U Oph	I	2195.576	-0.001		RR

\* continued footnote of page 1: +0.017 +0.015

\*\* not contained in the GCVS, 0 - C according to the elements of Цесевич and  
 № 6 (1973), p. 459 :

current no.	star	minimum or-der	JD hel 244...	O - C	n	ob-ser-ver	current no.	star	minimum or-der	JD hel 244...	O - C	n	ob-ser-ver
6425		I	2201.451	+0.003	10	HP	6459	BN Peg	I	2255.509	-0.293	9	RD
6426		II	2258.467	-0.010	12	RG	6460	RW PsA	II	2258.546	-0.053	11	KL
6427	RV Oph	I	2215.426	-0.028	15	HP	6461	U Sge	I	2258.580	+0.032	8	JR
6428		I	2215.450	-0.004	11	KL	6462	V505 Sgr	I	2249.609	-0.042	7	KL
6429	SZ Oph	I	2255.393	+0.274	7	RD	6463		I	2255.540	-0.026	9	RD
6430	V391 Oph	I	2220.511	+0.007	10	KL	6464	RS Sct	I	2258.474	+0.018	6	KL
6431	V449 Oph	I	2212.502	+0.048	10	KL	6465	AO Ser	I	2201.477	-0.002	10	HP
6432		I	2258.505	+0.056	6	KL	6466		I	2223.458	-0.003	7	RD
6433	V501 Oph	I	2234.468	-0.011	13	HP	6467	X Tri	I	2234.578	-0.033	11	KL
6434	V506 Oph	II	2255.400	-0.002	8	RD	6468	TX Uma	I	2201.396	-0.018	12	RG
6435	V508 Oph	I	2201.457	+0.004	10	HP	6469		I	2201.413	-0.002	13	HP
6436		I	2201.460	+0.007	13	RG	6470	UX Uma	I	2214.489	-0.001	7	KL
6437		I	2202.492	+0.004	10	KL	6471		I	2215.473	0.000	8	KL
6438		II	2215.418	+0.001	10	HP	6472		I	2218.423	0.000	10	KL
6439		I	2241.454	+0.005	11	HP	6473	VV Uma	I	2202.484	+0.071	10	KL
6440		I	2241.458	+0.009	11	RD	6474	ZZ Uma	I	2251.449	-0.007	10	RD
6441		I	2251.445	-0.003	10	RD	6475	RU UMi	I	2241.464	-0.015	8	RD
6442		II	2255.414	+0.001	9	RD	6476		I	2251.435	-0.019	9	RD
6443		II	2255.426	+0.013	7	RG	6477	VV Vir	I	2214.451	-0.055	6	KL
6444		II	2255.427	+0.014	10	HP	6478	BF Vir	I	2223.417	-0.006	8	RD
6445	V839 Oph	I	2241.444	+0.006	10	RD	6479		I	2223.442	+0.019	6	KL
6446		II	2251.463	+0.004	10	RD	6480	BH Vir	I	2223.404	0.000	7	RD
6447	V913 Oph	I	1570.372	-0.070	8	HP	6481		I	2223.404	0.000	7	KL
6448		I	1942.394	-0.015	10	HP	6482	Z Vul	I	2213.454	+0.012		JR
6449		I	2193.496	-0.087	16	HP	6483	AX Vul	I	2251.479	+0.003	10	RD
6450		I	2218.423	-0.085	12	HP	6484	CD Vul	I	2212.445	+0.012	6	KL
6451		I	2241.430	-0.087	13	HP	6485		I	2214.488	-0.021	10	KL
6452	V1010 Oph	I	2212.493	-0.054	10	KL	6486		I	2223.386	-0.012	6	KL
6453		I	2214.458	-0.073	10	RG	6487		I	2223.388	-0.010	5	RD
6454		I	2214.475	-0.057	12	KL	6488		I	2257.562	-0.023	9	KL
6455		I	2218.439	-0.062	12	RG							
6456		I	2218.449	-0.051	11	KL							
6457		I	2220.430	-0.055	10	KL							
6458		I	2253.496	-0.061	15	KL							

### Note on the O - C of AD Vul

During the night of JD 2442223 (1974 June 24/25) I was able to observe bottom and ascension of the lightcurve of this long period binary, the former ending near UT 23<sup>h</sup>30<sup>m</sup>. Along with the GCVS d value of 0<sup>d</sup>.10, the O - C results as -0<sup>d</sup>.02.

K.Locher

### Erratum

BBSAG Bulletin 15, page 1, 48<sup>th</sup> list:

The pair of months stated in the first introductory sentence should be "April & May" instead of "March & April".

