

BBSAG Bulletin 71

1984 May 4

104th List of Minima of Eclipsing Binaries

The following table lists 186 visual minima obtained mainly during February, March, and April, 1984, by the observers

MA	Maria Andrakakou, Athens, Greece
RD	Roger Diethelm, Rodersdorf, Switzerland
DE	Demetrius P. Elias, Penteli, Greece
DEr	Daniel Erni, Wolfhausen, Switzerland
SFe	Stéphane Ferrand, Bougival, France
RG	Robert Germann, Wald, Switzerland
DK	Daniel Knecht, Hinwil, Switzerland
MKo	Michael Kohl, Uster, Switzerland
SK	Serge Kuchto, Guyancourt, France
RKu	Raoul Kurer, Wolfhausen, Switzerland
KL	Kurt Locher, Grüt, Switzerland
MLü	Marcel Lüthi, Gossau, Switzerland
SM	Salvatore Mammoliti, Reggio Calabria, Italy
AMa	Antonio Maraziti, Catanzaro, Italy
GM	George Mavrofridis, Nikea, Greece
SN	Sabina Nänny, Wetzikon, Switzerland
CPa	Carlo Pampaloni, Firenze, Italy
APa	Aristos Parris, Larisa, Greece
HP	Hermann Peter, Otelfingen, Switzerland
RPe	Rolf Peter, Illnau, Switzerland
TS	Thomas Schildknecht, Lyss, Switzerland
GSc	Gabrielle Schneider, Gockhausen, Switzerland
FSt	Felix Steinemann, Greifensee, Switzerland
NS	Nikolaos Stoikidis, Larisa, Greece

The O-C values refer to the linear elements of the GCVS 1969, disregarding improved elements in the 1971, 1974, and 1976 supplements to the GCVS. Reductions were made mainly using the tracing paper method.

(footnotes to page 2 :)

- * GCVS 1969 period erroneous, O-C according to the GCVS 1976 : +.023 +.007
- ** not contained in the GCVS 1969, O-C according to the GCVS 1976 : +.107 +.103
- *** O-C according to the GCVS would exceed 1 period, O-C according to the elements in BBSAG Bulletin 38, page 6 : +.001
- **** not contained in the GCVS, O-C according to the elements in BBSAG Bulletin 65, page 6 : +.245 +.249 +.231 +.255 +.260 +.244
- ***** no period given by the GCVS, O-C according to the elements in BBSAG Bulletin 27, page 7 : +.137 +.148
- ***** GCVS period erroneous, O-C according to the elements in BBSAG Bulletin 53, page 5 : -.027
- § not contained in the GCVS 1969, O-C according to the GCVS 1976 : +.009
- §§ not contained in the GCVS 1969, O-C according to the GCVS 1974 : -.050 -.043 -.067
- §§§ not contained in the GCVS, O-C according to the elements in BBSAG Bulletin 63, page 5 : +.140 +.130 +.132 +.146 +.128 +.126 ~~+.126~~
- §§§§ GCVS elements incomplete, O-C according to the elements by Martins 1980 87 1980 168 1975. - 643

current no.	star	minimum or-der	JD hel 244...	0-C n	ob-ser-ver	cur-rent no.	star	minimum or-der	JD hel 244...	0-C n	ob-ser-ver
21171	UU And	I	5727.253	+.130	7 GM	21218		II	5776.463	§§§§	6 KL
21172	EP And	I	5743.292	*	6 KL	21219		II	5785.442	§§§§	6 KL
21173		I	5764.289	*	6 KL	21220		I	5790.424	§§§§	6 KL
21174	GZ And	I	5741.235	**	6 KL	21221	RW Com	II	5812.336	-.071	6 RG
21175		I	5776.307	**	7 KL	21222		II	5816.371	-.070	7 RG
21176	CX Aqr	I	5646.236	+.020	5 NS	21223	RZ Com	I	5781.316	-.004	8 RG
21177	V 343 Aql	I	5808.484	-.025	6 KL	21224		II	5815.341	+.001	5 RG
21178	V 803 Aql	II	5790.658	***	5 KL	21225	CC Com	II	5766.314	+.176	7 RG
21179	SS Ari	II	5772.306	-.117	7 RG	21226		II	5781.318	+.174	8 RG
21180	WW Aur	I	4636.393	+.015	9 SK	21227		I	5810.338	+.175	8 RG
21181		II	5713.305	+.006	20 AMa	21228		I	5812.333	+.184	7 RG
21182		II	5718.354	+.005	16 CPa	21229	ZZ Cyg	I	5771.664	-.042	6 KL
21183	CL Aur	I	5764.357	+.050	8 HP	21230	BR Cyg	I	5743.714	+.022	7 KL
21184	HL Aur	I	5764.460	-.002	6 KL	21231	CG Cyg	I	5818.593	-.026	8 RG
21185	TU Boo	I	5764.501	-.001	6 KL	21232	V 370 Cyg	I	5783.665	+.052	5 KL
21186		II	5764.661	-.003	7 KL	21233	V 728 Cyg	I	5772.628	+.093	8 KL
21187		II	5812.341	+.007	7 RG	21234	Z Dra	I	5723.243	+.023	6 GM
21188		I	5816.389	+.001	7 RG	21235		I	5727.314	+.022	10 GM
21189	VW Boo	II	5814.366	-.104	7 RD	21236		I	5743.597	+.016	7 KL
21190	RY Cnc	I	5749.427	-.034	6 KL	21237	RR Dra	I	5771.639	+.212	6 KL
21191	TX Cnc	I	5805.334	+.029	8 RD	21238	RZ Dra	I	5805.383	-.034	7 RG
21192	WW Cnc	I	5781.301	-.310	6 KL	21239	AI Dra	I	5551.380	-.005	10 SM
21193	NSV 4187 Cnc	I	5764.428	****	11 KL	21240		I	5593.344	.000	17 SM
21194		II	5765.319	****	6 KL	21241	CM Dra	I	5765.572	§§§§	6 KL
21195		I	5768.552	****	4 KL	21242	RW Gem	I	5751.252	+.001	6 KL
21196		II	5782.469	****	6 KL	21243	TX Gem	I	5765.338	-.003	6 KL
21197		I	5783.361	****	7 KL	21244		I	5779.339	-.002	6 KL
21198		II	5785.415	****	7 KL	21245	AF Gem	I	5812.335	-.025	6 RG
21199	RS CVn	I	5783.590	-.326	5 MKa	21246	GW Gem	I	5782.362	-.031	6 KL
21200	YZ CVn	I	5764.453	*****	11 KL	21247		I	5815.325	-.040	6 RG
21201		I	5765.640	*****	7 KL	21248	TU Her	I	5802.519	-.061	8 KL
21202	EG CMa	I	5727.406	*****	5 GM	21249	DQ Her	I	5753.569	+.011	8 KL
21203	AK CMi	I	5727.433	+.023	9 GM	21250		I	5766.538	+.007	8 SN
21204		I	5753.465	+.024	9 MKa	21251		I	5766.540	+.009	8 DE
21205	RZ Cas	I	5679.258	+.009	14 GM	21252		I	5766.541	+.010	10 DK
21206		I	5803.552	-.003	13 SFa	21253		I	5766.541	+.010	7 RKu
21207	AB Cas	I	5750.299	+.009	8 RG	21254		I	5766.543	+.012	10 GSc
21208	V 389 Cas	I	5731.326	+.319	5 MKa	21255		I	5766.543	+.012	8 KL
21209	V 523 Cas	II	5743.276	§	6 KL	21256	MT Her	I	5776.582	+.034	10 KL
21210	V 752 Cen	I	5753.466	§§§§	7 KL	21257	V 342 Her	I	5773.662	-.003	7 KL
21211		II	5804.379	§§§§	5 KL	21258	WY Hya	I	5781.356	+.011	7 KL
21212		I	5806.391	§§§§	6 KL	21259	DE Hya	I	5802.313	+.030	6 KL
21213	U Cep (n)	I	5718.341	+.070	7 KL	21260	EX Hya	I	5786.471	-.001	7 DE
21214	NSV 817 Cep	I	5741.259	§§§§	5 KL	21261		I	5786.478	+.006	5 NA
21215		I	5755.430	§§§§	13 GM	21262		I	5789.407	+.001	18 DE
21216		I	5756.378	§§§§	9 GM	21263	Y Leo	I	5753.430	+.137	7 MKa
						21264		I	5753.430	+.138	10 DE

cur- rent no.	star	minimum or- der	JD hel 244...	O-C n	ob- ser- ver	cur- rent no.	star	minimum or- der	JD hel 244...	O-C n	ob- ser- ver
21266		I	5785.472	+.144	6 KL	21299	KW Per	I	5764.313	+.046	9 HP
21267	UU Leo	I	5753.556	-.035	6 KL	21300		I	5764.316	+.049	7 KL
21268	XY Leo	I	5805.335	-.098	8 RD	21301		I	5776.428	+.045	7 KL
21269	AM Leo	I	5805.327	-.039	6 RD	21302	β Per	I	5776.279	-.156	9 RG
		I	5809.342	-.047	8 RD	21303	SX Psc	I	5679.275	-.039	12 GM
21270	BL Leo	I	5785.525	+.011	4 KL	21304	XZ Pup	I	5764.335	-.023	8 KL
21271	Z Lep	I	5750.273	-.130	6 KL	21305	GK Pup	I	5790.314	+.002	6 KL
21272	<i>new</i>	I	5750.275	-.128	6 DE	21306	RZ Pyx	II	5764.340	+.205	6 KL
21273		I	5752.261	-.129	7 KL	21307	AO Ser	I	5764.597	+.005	8 KL
21274	RS Lep	I	5766.323	-.005	9 RG	21308		I	5771.636	+.009	7 KL
21275	TY Lib	I	5790.590	-.001	6 KL	21309	AU Ser	I	5743.624	***	7 KL
21276	NSV 7060 Lib	II	5790.667	*	6 KL	21310		I	5818.592	***	7 RG
21277	RY Lyn	I	5727.279	**	9 GM	21311	LX Ser	I	5741.572	****	9 KL
21278		I	5754.545	**	7 KL	21312		I	5766.604	****	9 RPe
21279		I	5754.556	**	8 DE	21313		I	5766.604	****	9 KL
21280		I	5813.371	**	6 KL	21314		I	5766.605	****	8 FSt
21281		I	5813.379	**	6 APa	21315		I	5766.605	****	7 MLü
21282	β Lyr	I	5782.09	-.60	5 RG	21316	Y Sex	II	5809.366	*****	6 RD
21283	BO Mon	I	5757.287	+.184	7 KL	21317	RW Tau	I	5731.284	-.088	6 MKo
21284	FN Mon	I	5754.302	+.136	12 KL	21318		I	5753.426	-.096	6 MKo
21285		I	5754.303	+.136	12 DE	21319	AC Tau	I	5765.322	+.064	7 KL
21286	HM Mon	I	5754.413	+.086	9 KL	21320	AM Tau	I	5764.394	-.189	11 HP
21287		I	5754.416	+.088	10 DE	21321	ES Tau	I	5741.366	*****	6 KL
21288	V 508 Oph	II	5743.686	+.016	7 KL	21322	X Tri	I	5723.362	-.043	8 GM
21289		II	5772.658	+.026	7 KL	21323		I	5727.243	-.048	9 GM
21290	V 916 Oph	I	5790.649	+.092	7 KL	21324	RV Tri	I	5678.324	-.037	4 GM
21291	FK Ori	I	5723.321	+.312	7 GM	21325		I	5776.309	-.030	6 KL
21292	FL Ori	I	5679.371	+.089	5 GM	21326	TY Uma	II	5810.332	§	7 RG
21293		I	5727.455	+.093	6 GM	21327		II	5816.365	§	7 RG
21294		I	5755.375	+.096	9 GM	21328	UX Uma	I	5749.459	.000	6 KL
21295	RT Per	I	5743.335	-.074	6 KL	21329		I	5764.602	.000	6 KL
21296		I	5777.303	-.082	7 KL	21330		I	5766.373	+.001	6 KL
21297	IU Per	I	5678.303	+.090	6 GM	21331		I	5766.374	+.001	7 DK
21298		I	5750.265	+.062	7 RG	21332		I	5766.374	+.001	6 TS
						21333		I	5766.375	+.003	5 RKL

* not contained in the GCVS, O-C according to the elements in BBSAG Bulletin 66, page 5: -.076

** no period given by the GCVS, O-C according to the elements of Samolyk and Wedemayer, JAAVSO 6, page 49, 1977: +.031 +.032 +.043 +.024 +.032

*** GCVS 1969 period too inaccurate for reasonable reduction, O-C according to the GCVS 1974: +.009 -.004

**** not contained in the GCVS, O-C according to the elements of Africano Horne, and Margon IAUC 3466: +.028 +.028 +.028 +.029 +.029

***** same case as ***: -.072

***** GCVS period erroneous, O-C according to the elements of BBSAG Bulletin 58, page 5: +.009

§ GCVS period erroneous, O-C according to the elements of Broglia and

current no.	star	minimum or-der	JD hel 244...	O-C n	ob-ser-ver	
21334		I	5785.449	-.001	5	KL
21335	VV UMa	I	5815.331	+.129	6	RG
21336	XY UMa	I	5810.474	+.033	7	MKo
21337		I	5821.457	-.001	7	MKo
21338	XZ UMa	I	5766.279	-.075	9	RG
21339		I	5783.401	-.066	9	MKo
21340		I	5783.403	-.064	6	KL
21341		I	5805.403	-.066	10	RG
21342		I	5805.407	-.062	9	MKo
21343		I	5816.399	-.070	10	RG
21344	AC UMa	I	5743.452	+.342	6	KL
21345	BM UMa	I	5790.577	//	8	KL // GCVS 1969 type and period erroneous, O-C according to the GCVS 1976: +.031 +.011
21346		II	5813.476	//	4	KL
21347	VV Vir	I	5788.454	//	4	KL // O-C according to the GCVS would exceed 2 periods, O-C according to the elements in BBSAG Bulletin 31, page 6: +.011
21348	AH Vir	II	5786.456	+.046	10	MA
21349		II	5786.466	+.056	11	DE
21350		I	5814.385	+.059	6	RD
21351	AZ Vir	II	5810.363	//	8	RG // GCVS 1969 period erroneous, O-C according to the GCVS 1976: +.022
21352	BD Vir	I	5749.557	+.127	4	KL
21353	BF Vir	I	5814.450	-.042	7	MKo
21354	AW Vul	I	5818.525	-.026	8	MKo
21355	CD Vul	I	5783.642	-.019	7	KL
21356	NO Vul	II	5773.661	//	5	KL // not contained in the GCVS 1969, O-C according to the GCVS 1976: +.017

8th Report on Visual Survey of NSV Stars Suspected to be Eclipsing

Improvements with respect to previous reports are underlined.

NSV no.	Con-stel-lation	catalogued am-plitude	* type	resulting am-plitude	* type	number nights sur-veyed	remarks
817	Cop	1.0p	EA	1.1v	EB	<u>82</u>	see BBSAG Bulletin 63, p.5
2645	Aur	0.7p	EW:	0.5v	E:	<u>3</u>	
3324	Mon	1.0p	EA:	0.0v	CST:	<u>24</u>	
3772	Mon	2.5p	EA:	<u>1.0v</u>	<u>EA</u>	<u>31</u>	eclipse end JD 2445776.4, at maximum in all other 30 nights
3835	CMi	1.1p	S:	0.3v	<u>S</u>	<u>22</u>	
3913	Pup	0.6p	EA	0.4v	<u>S</u>	<u>4</u>	
4187	Cnc	1.7p	S	0.8v	EW	<u>44</u>	see BBSAG Bulletin 65, p.6
4465	Leo	1 p	S	0.0v	CST:	<u>8</u>	
5127	Cam	0.7p	S	0.0v	CST:	<u>9</u>	
5183	UMa	1.0p	E	0.1v	CST:	<u>32</u>	
5326	UMa	0.5p	EA	0.7v	E:	<u>18</u>	
5449	UMa	1.7v	EA	0.0v	CST:	<u>5</u>	
5506	CVn	0.7p	S	0.0v	CST:	<u>8</u>	
5519	UMa	1.0p	EA	0.1v	CST:	<u>49</u>	
6111	CVn	1 p	S:	0.4v	<u>S</u>	<u>11</u>	

