BBSAG Bulletin 10

1973 August 8

43rd List of Minima of Eclipsing Binaries

The following table lists 205 minima obtained visually during June and July 1973 by the observers

RD	Roger Diethelm, Winterthur
RG	Robert Germann, Wald
GG	George Gliba, Chagrin Falls Ohio USA
KL	Kurt Locher, Grüt-Wetzikon
TM	Anthony Mallama, Solon Ohio USA
PM	Peter Morger, Hinwil
HP	Hermann Peter, Otelfingen

The O-C values refer to the linear elements of the GCVS 1969, disregarding improved elements from the 1971 1st supplement to the GCVS. Reductions were made using the tracing paper method by RD, RG, KL, TM, and HP.

current no.	star	minimum order	JD hel 244...	O-C	n	observer
4958	TW And	I	1877.494	+0.025	11	KL
4959	UU And	I	1895.574	+0.106	10	KL
4960	XZ And	I	1871.547	-0.006	10	KL
4961	AB And	I	1863.595	+0.019	6	KL
4962		I	1866.578	+0.014	7	KL
4963		II	1867.416	+0.023	6	RG
4964		II	1868.412	+0.023	5	RG
4965		I	1892.470	+0.019	13	KL
4966		I	1894.447:	+0.004:	12	PM
4967		I	1894.455	+0.013	8	RG
4968		I	1895.452	+0.014	8	RG
4969		I	1895.461	+0.023	9	HP
4970		I	1895.464	+0.026	6	KL
4971	RY Aqr	I	1874.579	-0.072	8	KL
4972	BW Aqr	II	1894.526	-0.115*	6	KL
4973	CX Aqr	I	1860.525	+0.014	11	KL
4974		I	1894.448	+0.021	10	KL
4975		I	1895.553	+0.014	10	KL
4976	CZ Aqr	I	1874.585	+0.008	10	KL
4977	EE Aqr	I	1891.567	+0.009	11	KL
4978		I	1892.593	+0.016	16	KL
4979	XZ Aql	I	1843.557	+0.020	8	KL
4980	YZ Aql	I	1894.547	-0.009	9	KL
4981	OO Aql	I	1845.511	-0.035	16	KL
4982		I	1849.569	-0.031	10	KL
4983		I	1850.586	-0.028	11	KL
4984		II	1859.459	-0.025	10	KL
4985		II	1866.546	-0.032	11	KL
4986		I	1877.447	-0.027	10	KL
4987		II	1892.401	-0.024	6	KL
4988		II	1894.426	-0.026	7	RG
4989		II	1895.427	-0.038	12	RG
4990	V 346 Aql	I	1877.447	-0.010	10	HP
4991		I	1877.452	-0.005	10	KL
4992	V 805 Aql	I	1859.478	+0.031	11	KL
4993	ZZ Boo	I	1850.477	-0.021	13	KL
4994		I	1860.477	-0.004	16	KL
4995		I	1865.469	-0.004	15	KL
4996		I	1895.430	+0.007	7	KL
4997	AD Boo	I	1853.381	+0.039	8	RD
4998	SV Cam	I	1860.389	-0.011	8	RD
4999	AL Cam	I	1853.394	-0.004	7	RD
5000	TY Cap	I	1865.414	-0.074	11	KL
5001		I	1892.465	-0.070	13	KL
5002	RZ Cas	I	1848.478	-0.003	10	HP
5003		I	1848.483	+0.002	12	KL
5004		I	1860.435	+0.001	10	KL
5005		I	1891.517	+0.007	6	KL
5006	TV Cas	I	1894.438	-0.009	9	RG
5007	U Cep	I	1871.542	+0.033	10	KL
5008	VW Cep	II	1845.567	-0.102	13	KL
5009		I	1848.516	-0.075	9	KL
5010		II	1849.472	-0.095	11	KL
5011		I	1883.586	-0.072	6	KL
5012		II	1891.513	-0.077	11	KL
5013		II	1892.359:	-0.067:	6	KL
5014		I	1892.510	-0.055	14	KL
5015	VY Cet	I	1895.570	**	4	KL

* excentric secondary minimum

** GCVS period erroneous, O-C = -0.011 according to the elements of BBSAG

current no.	star	minimum order	JD hel 244...	O-C	n	observer
5016	RW Com	I	1837.399	-0.038	8	RG
5017		I	1837.400	-0.037	8	KL
5018		I	1841.676	-0.033	8	TM
5019		I	1847.606	-0.037	6	TM
5020		I	1847.607	-0.036	6	GG
5021	U CrB	I	1845.468	-0.020	10	HP
5022	Y Cyg	I	1894.612:	-0.104:	6	KL
5023	SW Cyg	I	1849.529	+0.170	12	KL
5024	UW Cyg	I	1864.562	-0.034	8	KL
5025	WW Cyg	I	1877.515	+0.020	10	KL
5026	ZZ Cyg	I	1848.473	-0.030	15	HP
5027		I	1877.383	-0.037	11	HP
5028	AE Cyg	I	1871.543	+0.015	11	KL
5029	KR Cyg	I	1850.444	-0.020	6	KL
5030		I	1850.451	-0.013	9	HP
5031		I	1871.585	-0.008	9	KL
5032	V 477 Cyg	I	1884.523	-0.009	5	KL
5033		I	1891.563	-0.010	10	KL
5034	V 687 Cyg	I	1845.396	+0.019	10	HP
5035		I	1874.413	+0.013	12	HP
5036	V 728 Cyg	I	1895.454	+0.075	13	HP
5037	TT Del	I	1864.586	+0.021	6	KL
5038	YY Del	I	1859.502	+0.022	10	KL
5039		I	1874.568	+0.020	8	KL
5040	BI Del	I	1877.436	-0.209	8	KL
5041	Z Dra	I	1850.442	-0.001	13	HP
5042	RR Dra	I	1895.561	+0.088	13	HP
5043	RZ Dra	I	1834.693	-0.005	9	GG
5044		I	1837.440	-0.012	8	RG
5045		I	1869.388	-0.015	8	RG
5046		I	1893.634	-0.008	9	TM
5047		I	1893.642	0.000	7	GG
5048	TW Dra	I	1837.475	-0.033	13	HP
5049	AI Dra	I	1837.461	0.000	8	RG
5050		I	1867.427	-0.004	8	RG
5051		I	1873.420	-0.005	12	HP
5052	Z Her	I	1850.477	-0.011	9	HP
5053		I	1850.493	+0.005	16	KL
5054		I	1874.429	-0.015	14	HP
5055		I	1894.414	+0.006	7	RG
5056		I	1894.427	+0.018	11	HP
5057		I	1894.428	+0.020	11	KL
5058	RX Her	I	1853.391	+0.002	14	HP
5059		I	1864.394	-0.001	8	RG
5060		I	1892.519	+0.002	18	KL
5061	SZ Her	I	1845.490	+0.024	11	HP
5062		I	1849.578	+0.022	12	KL
5063		I	1849.581	+0.024	11	HP
5064		I	1850.396	+0.022	8	HP
5066	SZ Her	I	1877.394	+0.022	10	KL
5067		I	1877.397	+0.025	10	HP
5068		I	1895.395	+0.025	9	HP
5069	TU Her	I	1853.456	-0.059	7	KL
5070		I	1853.458	-0.057	18	HP
5071	UX Her	I	1845.416	-0.040	10	HP
5072	DC Her	I	1895.554	-0.154	12	HP
5073	CC Her	I	1837.588	+0.048	5	KL
5074		I	1877.466	+0.045	7	KL
5075	CT Her	I	1849.463	+0.032	11	KL
5076		I	1849.472	+0.041	12	HP
5077	GL Her	I	1877.544:	+0.026:	8	KL
5078	V 338 Her	I	1877.437	+0.073	9	HP
5079	u Her	I	1860.386	-0.036	8	RD
5080	SW Lac	II	1853.450	-0.041	7	KL
5081		I	1874.451	-0.047	9	HP
5082		II	1891.621	-0.036	10	KL
5083		I	1892.409	-0.050	10	KL
5084		II	1892.568	-0.051	12	KL
5085		I	1893.374	-0.047	10	KL
5086		II	1895.456	-0.050	8	RG
5087		II	1895.460	-0.047	6	KL
5088		I	1895.620	-0.046	7	KL
5089	TW Lac	I	1895.417	-0.028	6	KL
5090	AU Lac	I	1838.546	-0.053	6	KL
5091		I	1845.511	-0.051	11	KL
5092	CM Lac	I	1850.441	-0.016	8	RG
5093		I	1850.461	+0.004	10	HP
5094		I	1850.462	+0.005	12	KL
5095		I	1895.382	-0.006	6	KL
5096		I	1895.391	+0.002	10	HP
5097	UV Leo	I	1850.400	-0.014	8	RG
5098	UZ Lyr	I	1853.526	+0.027	7	KL
5099	EW Lyr	I	1865.508	+0.037	11	KL
5100	U Oph	II	1837.475	+0.008	12	HP
5101		I	1857.393	-0.007	12	HP
5102		I	1857.398	0.000	7	RD
5103	RV Oph	I	1850.424	-0.006	13	HP
5104		I	1850.424	-0.005	7	KL
5105	V 449 Oph	I	1849.524	+0.048	8	KL
5106		I	1859.473	+0.053	10	KL
5107	V 508 Oph	I	1837.358	+0.005	7	KL
5108		I	1843.571	+0.012	10	KL
5109		II	1845.465	+0.009	12	HP
5110		I	1850.460	+0.005	6	KL
5111		II	1853.393:	+0.007:	6	RD
5112		I	1863.570	+0.013	7	KL
5113		I	1868.388	+0.004	7	RG
5114		I	1869.421	+0.002	11	RG
5115		II	1874.424	+0.006	10	HP
5116		II	1894.428	+0.012	11	HP
5117	V 1010 Oph	I	1837.473	-0.040	13	HP
5118		I	1892.372	-0.041	12	KL

current no.	star	minimum order	JD hel 244...	O - C	n	observer
5119	AW Peg	I	1850.556:	-0.003:	16	KL
5120	BB Peg	I	1863.561	-0.003	6	KL
5121	UV Psc	I	1894.526	+0.019	12	KL
5122	RW PsA	II	1894.510	-0.030	7	KL
5123		II	1895.574	-0.048	6	KL
5124	U Sge	I	1849.500	+0.007	12	HP
5125		I	1849.500	+0.008	12	KL
5126	XY Sgr	I	1869.438	+0.021	8	KL
5127	V505 Sgr	I	1860.459	-0.028	16	KL
5128		I	1887.673	-0.020	8	GG
5129		I	1892.390	-0.035	12	KL
5130	RS Sct	I	1866.578	+0.023	10	KL
5131		I	1874.548	+0.022	10	KL
5132		I	1884.501	+0.011	5	KL
5133		I	1892.485	+0.024	11	KL
5134		I	1894.472	+0.018	6	RG
5135		I	1894.480	+0.027	6	KL
5136	BS Sct	I	1837.505	+0.040	16	HP
5137		I	1837.507	+0.042	8	KL
5138	AO Ser	I	1837.427	0.000	7	KL
5139		I	1859.408	-0.002	10	KL
5140		I	1895.463	-0.001	10	HP
5141	UX UMa	I	1837.471	0.000	7	KL
5142		I	1845.535	+0.001	6	KL
5143		I	1853.403	+0.002	6	KL
5144		I	1859.498	0.000	10	KL
5145		I	1860.480	-0.001	6	KL
5146		I	1864.413	-0.002	6	KL
5147		I	1865.400	+0.002	5	KL
5148	W UMi	I	1893.796	-0.005	7	TM
5149		I	1893.798	-0.004	7	GG
5150	AZ Vir	I	1837.401	+0.023	7	RG
5151	BH Vir	I	1847.651	+0.008	12	GG
5152		I	1847.652	+0.009	12	TM
5153	Z Vul	I	1884.498	+0.017	6	KL
5154	AX Vul	I	1848.536	+0.003	8	KL
5155	BO Vul	I	1848.442	-0.056	17	HP
5156		I	1848.443	-0.055	7	KL
5157	BU Vul	I	1845.534	+0.006	11	KL
5158		I	1849.515	+0.004	11	HP
5159		I	1853.497	+0.003	11	HP
5160		I	1853.500	+0.006	7	KL
5161		I	1866.585	+0.004	10	KL
5162		I	1869.433	+0.008	7	KL