

BBSAG Bulletin 80

1

1986 August 7

113th List of Minima of Eclipsing Binaries

The following tables list 9 photoelectric (underlined) and 137 visual minima obtained mainly 1986 April to July by the observers

RD Roger Diethelm, Rodersdorf, Switzerland
DE Demetrius P. Elias, Penteli, Greece
RG Robert Germann, Wald, Switzerland
KL Kurt Locher, Grüt, Switzerland
GM George Mavrofridis, Nikea, Greece
APs Anton Paschke, Rüti, Switzerland
Pwi Patrick Wils, Niel, Belgium

The columns mean

- 1 current number
- 2 1950 right ascension hours and *minutes
- 3 1950 declination degrees and *tenths
- 4 star name
- 5 p for a primary, s for a secondary minimum
- 6 observed heliocentric Julian date of the minimum, minus 2400000
- 7 observed minus computed date of the minimum, computed by means of the elements of the GCVS....
....1985 for stars alphabetically prior to PAVO
....1969 otherwise
- Exceptions are denoted and have been specified in BBSAG Bulletin 76 page 1, cipher 7
- 8 number of observations used, systematically weighted only in the case of the observer APs
- 9 observer, abbreviated as above

Reductions were made mainly using the tracing paper method.

* last digits, formerly rounded, from now on truncated cut down following a recent recommendation in the IAU Bulletin

1	2	3	4	5	6	7	8	9
23193	0000+325	TW	And	P	46614.574	+ .014	7 KL	
23194	0041+306	UU	And	P	46614.565	- .004	7 KL	
23195	0153+418	XZ	And	P	46612.514	- .003	6 KL	
23196				P	46616.579	- .010	7 RG	
23197	2324+452	LO	And	S	46612.534	+ .024	11 PWi	
23198	2208-230	AO	Aqr	P	46628.585	- .005 ^a	6 KL	
23199				P	46629.573	+ .003 ^a	11 KL	
23200				S	46640.570	- .025 ^a	4 KL	
23201				S	46642.562	+ .007 ^a	7 KL	
23202	2233-009	CX	Aqr	P	46627.539	- .007	9 KL	
23203	2319-162	CZ	Aqr	P	46627.495	- .007	7 KL	
23204	1901+027	FX	Aql	P	46613.478	- .018	6 KL	
23205	1936+064	LT	Aql	P	46590.512	+ .046	6 KL	
23206	1953+157	V340	Aql	P	46568.466	+ .043	5 KL	
23207	1847+106	V479	Aql	P	46568.471	- .005	6 KL	
23208	1858-075	V803	Aql	P	46590.549	+ .001	6 KL	
23209	1908+120	V917	Aql	P	46613.558	+ .004	10 KL	
23210	1948+151	V1045	Aql	P	46590.532	+ .007	6 KL	
23211	1402+302	TU	Boo	S	46552.353	- .004	5 KL	
23212				P	46554.448	- .017	4 KL	
23213				S	46610.389	- .015	6 RG	
23214	0630+823	SV	Cam	P	46547.442	+ .016	12 APS	
23215	1329+288	VZ	CVn	P	46528.433	- .014 ^b	20 APS	
23216	1354+289	YZ	CVn	P	46554.421	- .011	5 KL	
23217	0717-163	R	CNa	P	46503.325	+ .016	13 APS	
23218	0232+710	AB	Cas	P	46626.464	+ .008	7 KL	
23219	0310+593	CC	Cas	S	46639.478	- .019	6 RD	
23220	0111+487	V389	Cas	P	46639.395	- .015	6 KL	
23221	1140-355	V752	Cen	S	46530.385	- .000	6 KL	
23222				P	46535.379	- .004	6 KL	
23223	2145+570	SU	Cep	P	46611.501	+ .004	8 PWi	
23224	2038+754	VW	Cep	P	46577.323	- .036	7 GM	
23225				P	46587.337	- .040	7 GM	
23226	2109+575	IO	Cep	P	46609.414	+ .010	6 RG	
23227	0220+809	V358	Cep	P	46553.573	+ .356 ^c	7 KL	
23228	0156-231	AA	Cet	S	46629.578	- .006	9 KL	
23229	1230+269	RW	Com	P	46535.409	- .016	10 APS	
23230				S	46552.377	- .018	6 RG	
23231				S	46561.391	- .024	6 RG	
23232				P	46573.384	- .016	7 RG	
23233				P	46606.377	- .015	6 RG	
23234				P	46610.395	- .031	7 RG	
23235	1232+236	RZ	Com	S	46535.340	- .002	5 RG	
23236				P	46573.420	- .004	8 RG	
23237	1209+228	CC	Com	P	46553.396	+ .003	6 RG	
23238				S	46573.371	+ .006	6 RG	
23239	1516+318	U	CrB	P	46616.4493	+ .0316	7 RD	
23240	1205-128	W	CrV	P	46535.425	.000	8 KL	
23241	2104+455	VV	CyG	P	46582.544	- .021	7 KL	
23242	2056+349	CG	CyG	P	46609.419	+ .019	7 RG	
23243	1928+284	EE	CyG	P	46568.493	- .053	6 KL	
23244	2156+467	GV	CyG	P	46582.532	- .025	6 KL	
23245	2157+477	MR	CyG	P	46616.4695	+ .0065	7 RD	
23246	1941+326	V370	CyG	P	46553.560	- .005	6 KL	
23247	2113+372	V387	CyG	P	46616.579	.000	7 RG	
23248	2027+312	V388	CyG	P	46614.466	- .007	6 RD	
23249	2027+389	V456	CyG	P	46606.417	+ .016	6 KL	
23250	1952+328	V466	CyG	P	46611.495	+ .009	9 PWi	
23251	2003+318	V477	CyG	S	46614.440	- .438 ^d	5 RD	
23252				P	46639.520	- .002	5 RD	
23253	2122+334	V1073	CyG	P	46614.460	- .019	5 RD	
23254	2117+407	V1665	CyG	P	46625.352	- .013	9 KL	
23255	2040+382	V1788	CyG	P	46559.4	- .2 ^e	5 KL	
23256					46616.5	+ .6 ^e	5 KL	

1	2	3	4	5	6	7	8	9
23257	1142+725	Z Dra		P 46517.352	-009	8 APS		
23258	1841+626	RR Dra		P 46612.563	+018	8 KL		
23259	1822+588	RZ Dra		P 46547.420	+005	16 APS		
23260				P 46552.374	+002	6 RG		
23261				P 46563.402	+012	11 APS		
23262				P 46606.368	+010	6 RG		
23263	1922+698	NSV 11987		P 46597.525	-959 ^f	6 KL		
23264		Dra		P 46613.470	-978 ^f	10 KL		
23265				P 46624.509	-991 ^f	17 DE		
23266				P 46624.509	-991 ^f	13 KL		
23267	1737+329	SZ Her		P 46603.536	-013	6 KL		
23268	1711+164	AK Her		S 46616.458	+013	7 RD		
23269	1838+248	BO Her		P 46597.534	-025	6 KL		
23270	1615+090	CC Her		P 46597.451	+022	7 KL		
23271	1806+458	DQ Her		P 46497.469	+009	6 KL		
23272				P 46590.397	.000	6 KL		
23273				P 46622.344	-001	11 KL		
23274				P 46622.345	.000	20 DE		
23275	1754+329	ES Her		P 46495.658	-013	5 KL		
23276				P 46553.549	+007	6 KL		
23277	1848+235	GL Her		P 46607.400	+009	6 KL		
23278	1848+246	HS Her		P 46614.482	+006	5 RD		
23279	1819+144	MT Her		P 46533.520	-003	6 KL		
23280				P 46576.446	+003	6 KL		
23281	1749+500	MX Her		P 46609.393	-224	7 RG		
23282	0926+057	TY Hya		P 46499.398	+014	10 KL		
23283	1017-229	VY Hya		P 46523.299	-032	6 KL		
23284				P 46531.286	-049	4 KL		
23285				P 46535.299	-038	8 KL		
23286	2213+484	AU Lac		P 46642.469	-002	6 KL		
23287	0945+132	UU Leo		P 46499.370	+004	8 KL		
23288	0924+168	VZ Leo		P 46561.420	+002	19 APS		
23289	0958+176	XY Leo		P 46529.350	-001	9 APS		
23290				P 46552.375	+012	11 APS		
23291	0959+172	XZ Leo		P 46535.378	-008	11 APS		

a GCVS period wrong, elements according to this Bulletin
b observations from 22.3. and 7.4.1986 jointly reduced
c elements according to BBSAG Bulletin 63, p.5
d displaced secondary
e elements according to BBSAG Bulletin 68, p.6
f elements according to BBSAG Bulletin 72, p.4

