

# BBSAG Bulletin 45

1979 December 6

## 78<sup>th</sup> (\*) List of Minima of Eclipsing Binaries

The following table lists 304 minima obtained visually mainly during 1979 September to November by the observers

MA	Μαρία Άνδρακίου, Άθήνα, Greece +
AB	Alberto Buzzoni, Ferrara, Italy
MFi	Maurizio Franchini, Cerro Maggiore, Italy
RG	Robert Germann, Wald, Switzerland
FF	Francesco Ferraro, Matera, Italy
JL	Jean-François Le Borgne, Brest, France
RLe	Robert Leyman, Laval-Trahegnies, Belgium
KL	Kurt Locher, Grüt, Switzerland
GMe	Giampiero Mengoli, Bologna, Italy
DM	Δημοσθένης Μουρίκης, Πειραιάς, Greece +
CPa	Carlo Pampaloni, Firenze, Italy
AP	Angelo del Parigi, Matera, Italy
HP	Hermann Peter, Stelfingen, Switzerland
CP	Cosimo Plasmati, Matera, Italy
EP	Ennio Poretti, Arconate, Italy
JR	Joseph Remis, Aix-en-Provence, France
GS	Γεώργιος Στεφανόπουλος, Άγία Παρασκευή, 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.

+ members of the Astronomical Department S.G.S.R., Athens

(\*) The preceding list (Bulletin 44) was erroneously numbered 76.

(footnotes to page 2 :)

\* GCVS 1969 period erroneous, O-C according to the GCVS 1976:  
+.012 +.012 +.020 +.001 +.009

\*\* not contained in the GCVS 1969, O-C according to the GCVS  
1976: +.058 +.058 +.072 +.062 +.058 +.054

\*\*\* not contained in the GCVS, O-C according to Romano's ele-  
ments Pubblicazioni Padova 120, 1960: -.244 -.255

\*\*\*\* no period given by the GCVS 1969, O-C according to the GCVS  
1974: +.003

\*\*\*\*\* O-C according to the GCVS 1969 exceeds 1 period, O-C accor-  
ding to the elements of BBSAG Bulletin 30, page 6: +.006

cur- rent no.	star	minimum or- der	JD hel 244...	O-C	n ser- ver	ob- ser- ver	cur- rent no.	star	minimum or- der	JD hel 244...	O-C	n ser- ver	ob- ser- ver
14609	RT And	I	4117.358	-.012	11	RG	14661	LT Aql	I	4118.447	+.040	7	KL
14610		I	4122.383	-.018	9	RG	14662	OO Aql	I	4118.468	-.048	8	HP
14611		I	4129.307	-.013	9	RG	14663		II	4129.369	-.043	6	RG
14612		I	4134.339	-.012	8	RG	14664		I	4148.368	-.049	8	HP
14613		I	4156.335	-.028	11	RG	14665		I	4181.309	-.050	8	RG
14614		I	4207.291	-.016	9	RG	14666	V 343 Aql	I	4135.447	-.008	11	HP
14615	TT And	I	4128.326	-.057	6	KL	14667	V 346 Aql	I	4123.362	-.016	10	HP
14616	UU And	I	4129.480	+.118	8	KL	14668		I	4133.326	-.010	6	RG
14617		I	4135.426	+.119	8	HP	14669		I	4134.419	-.023	7	HP
14618	WX And	I	4189.265	-.367	11	KL	14670		I	4143.278	-.014	7	RG
14619		I	4201.274	-.363	11	KL	14671		I	4165.404	-.016	11	HP
14620	WZ And	I	4135.613	-.031	9	KL	14672	<del>V</del> 416 Aql	I	4162.337	-.021	5	KL
14621		I	4144.647	-.040	6	KL	14673	V 479 Aql	I	4134.368	+.017	6	KL
14622	XZ And	I	4177.563	-.036	7	KL	14674	V 803 Aql	I	4162.297	*****	7	KL
14623	AB And	I	4124.445	+.026	9	HP	14675	V 805 Aql	I	4118.378	+.001	8	RG
14624		I	4143.363	+.026	6	RG	14676		I	4118.401	+.024	12	HP
14625		I	4155.316	+.031	8	RG	14677	SS Ari	I	4143.312	-.078	7	RG
14626		I	4166.269	+.031	6	RG	14678		II	4156.286	-.080	7	RG
14627		II	4203.276	+.032	8	RG	14679		II	4157.317	-.079	7	RG
14628		II	4207.254	+.028	7	RG	14680		II	4166.253	-.074	6	RG
14629		II	4208.256	+.034	6	HP	14681		II	4207.247	-.085	7	RG
14630	BL And	I	4166.336	-.026	8	HP	14682		I	4208.258	-.089	7	RG
14631	EP And	I	4133.319	*	7	KL	14683	TX Ari	I	4164.388	-.118	8	KL
14632		I	4135.339	*	6	KL	14684	RY Aur	I	4195.484	-.009	6	KL
14633		II	4144.631	*	6	KL	14685		I	4206.396	+.002	7	KL
14634		II	4177.558	*	6	KL	14686	WW Aur	I	4189.455	+.006	10	HP
14635		I	4194.336	*	6	KL	14687		II	4208.405	+.018	8	HP
14636	GZ And	II	4118.381	**	11	KL	14688	ZZ Aur	I	4208.310	-.011	6	KL
14637		I	4118.533	**	6	KL	14689	AR Aur	II	3821.641	-.008	23	GMe
14638		I	4122.512	**	6	KL	14690		II	3936.423	+.003	14	GMe
14639		II	4122.655	**	7	KL	14691	CL Aur	I	4201.419	+.035	6	HP
14640		I	4129.514	**	5	KL	14692	SV Cam	I	4201.247	-.007	7	RG
14641		I	4181.666	**	8	KL	14693		I	4202.430	-.011	7	KL
14642	GR 59 And	I	4135.334	***	6	KL	14694	AG CMi	I	4201.548	-.169	6	KL
14643		I	4143.487	***	7	KL	14695	AK CMi	I	4165.560	+.022	6	KL
14644	RY Aqr	I	4189.270	-.113	9	HP	14696	TY Cap	I	4134.393	-.099	10	HP
14645	XZ Aqr	I	4142.391	****	6	KL	14697		I	4144.364	-.093	8	HP
14646	CR Aqr	I	4118.359	+.200	7	KL	14698		I	4164.289	-.096	6	KL
14647		I	4186.249	+.177	6	KL	14699	RZ Cas	I	3941.355	-.005		JL
14648	CX Aqr	I	4128.390	+.014	4	KL	14700		I	4082.407	+.010	43	MFi
14649		I	4133.385	+.005	7	HP	14701		I	4088.382	+.006	17	CP
14650		I	4133.394	+.014	11	KL	14702		I	4089.578	+.008		JL
14651		I	4157.298	+.011	7	RG	14703		I	4100.330	+.003	29	AP
14652		I	4167.307	+.012	9	HP	14704		I	4100.331	+.004	15	FF
14653		I	4167.309	+.014	11	KL	14705		I	4100.341	+.014	36	AB
14654		I	4186.216	+.018	6	KL	14706		I	4106.303	+.001	16	FF
14655		I	4201.228	+.018	7	KL	14707		I	4143.345	-.011	14	FF
14656	CZ Aqr	I	4164.339	+.012	6	KL	14708		I	4143.361	+.005	9	RG
14657		I	4208.330	+.003	7	KL	14709		I	4143.363	+.006	19	EP
14658	XZ Aql	I	4130.359	+.046	6	HP	14710		I	4143.364	+.008	13	RLe
14659	KP Aql	I	4129.340	+.058	9	HP	14711		I	4155.313	+.005	9	RG
14660		I	4134.398	+.064	10	HP	14712		I	4167.257	-.004	10	FF

\* \*\* \*\*\* \*\*\*\* \*\*\*\*\*see preceding page

cur- rent no.	star	minimum or- der	JD hel 244...	O-C	ob- ser- ver	cur- rent no.	star	minimum or- der	JD hel	O-C	ob- ser- ver
14713		I	4167.267	+0.006	16 EP	14752		I	4130.355	-0.030	6 HP
14714	TV Cas	I	4100.373	-0.020	42 AB	14753		I	4181.272	-0.031	6 KL
14715		I	4129.369	-0.025	7 RG	14754		I	4201.384	-0.035	8 HP
14716		I	4207.302	-0.034	9 RG	14755		I	4208.306	-0.028	6 KL
14717	AB Cas	I	4189.326	+0.008	8 HP	14756	BR Cyg	I	4147.297	+0.016	10 HP
14718	IV Cas	I	4158.698	+0.088	6 KL	14757	CG Cyg	I	4133.442	-0.021	7 HP
14719		I	4181.684	+0.107	11 KL	14758		I	4147.332	-0.017	10 HP
14720	V 523 Cas	I	4121.342	*	7 KL	14759		I	4178.251	-0.023	9 KL
14721		II	4167.258	*	7 KL	14760		I	4178.254	-0.021	8 HP
14722		II	4202.313	*	6 KL	14761	V 387 Cyg	I	4189.336	+0.050	9 HP
14723	U Cep	I	4177.626	+0.054	8 KL	14762	V 456 Cyg	I	4124.439	+0.028	11 HP
14724	WY Cep	I	4142.416	-0.040	9 HP	14763		I	4133.341	+0.018	8 HP
14725	XX Cep	I	4157.281	-0.024	6 RG	14764		I	4165.424	+0.018	11 HP
14726		I	4178.322	-0.018	6 KL	14765	V 477 Cyg	I	4142.328	-0.016	9 HP
14727	ZZ Cep	I	4118.305	-0.012	7 RG	14766	V 548 Cyg	I	4124.330	-0.077	10 RG
14728		I	4133.313	+0.003	6 RG	14767		I	4133.347	-0.086	7 RG
14729		I	4208.276	+0.003	8 RG	14768	V 728 Cyg	I	4122.438	+0.063	12 HP
14730	EG Cep	I	4125.317	+0.021	7 KL	14769	TT Del	I	4118.428	+0.062	14 HP
14731		I	4133.482	+0.017	8 HP	14770		I	4164.363	+0.059	6 KL
14732		I	4143.284	+0.016	7 RG	14771		I	4164.368	+0.064	10 HP
14733		I	4186.308	+0.015	10 RG	14772	TY Del	I	4118.417	+0.018	12 HP
14734	EK Cep	I	4143.400	+0.013	12 HP	14773		I	4143.418	+0.005	12 HP
14735	GI Cep	I	4144.352	+0.001	7 HP	14774		I	4155.337	+0.013	6 KL
14736	SS Cet	I	4134.604	-0.052	9 KL	14775	BT Del	I	4129.422	-0.282	7 KL
14737		I	4143.528	-0.050	7 KL	14776	FZ Del	I	4142.384	-0.003	8 HP
14738	TW Cet	II	4160.429	-0.015	4 KL	14777		I	4164.309	-0.008	6 KL
14739		I	4164.386	-0.020	6 KL	14778		I	4186.242	-0.005	8 HP
14740		II	4165.488	-0.027	11 KL	14779	RR Dra	I	4129.475	+0.161	10 HP
14741	VY Cet	I	4132.614	**	7 KL	14780		I	4166.270	+0.151	10 RG
14742		II	4164.459	**	7 KL	14781	RZ Dra	I	4201.251	-0.015	8 HP
14743		II	4165.506	**	11 KL	14782	TW Dra	I	4133.490	-0.038	7 KL
14744	AA Cet	II	4132.631	***	6 KL	14783		I	4136.291	-0.043	6 KL
14745		I	4164.542	***	6 KL	14784		I	4136.315	-0.019	9 HP
14746	TW CrB	I	4123.349	****	9 KL	14785		I	4150.330	-0.039	7 KL
14747	Y Cyg	II	4110.532	+0.027	16 CPa	14786		I	4164.368	-0.036	10 HP
14748		II	4164.432	-0.007	10 HP	14787	AI Dra	I	4086.450	+0.015	12 CPa
14749	SW Cyg	I	4122.365	+0.227	6 KL	14788		I	4110.416	+0.005	11 CPa
14750		I	4122.368	+0.230	12 HP	14789	CM Dra	I	4136.322	*****	6 KL
14751	ZZ Cyg	I	4125.321	-0.036	7 KL	14790	S Equ	I	4122.378	+0.028	10 RG

\* not contained in the GCVS 1969, O-C according to the GCVS 1976: +0.005  
+0.001 +0.002

\*\* GCVS 1969 period erroneous, O - C according to the GCVS 1976: -0.011  
-0.031 -0.007

\*\*\* not contained in the GCVS 1969, O-C according to the GCVS 1974: -0.027  
-0.019

\*\*\*\* not contained in the GCVS 1969, O-C according to the GCVS 1976: -0.005

\*\*\*\*\* GCVS elements incomplete, O-C according to Martins' elements PASP  
87, p. 168, 1975: -0.375

cur- rent no.	star	minimum or- der	JD hel 244...	O-C	n ser- ver	ob- serv	cur- rent no.	star	minimum or- der	JD hel 244...	O-C	n ser- ver	ob- serv
14791		I	4153.293	+.019	9	HP	14838	DG Lac	I	4167.304	+.222	11	HP
14792		I	4208.281	+.029	11	RG	14839		I	4189.427	+.200	14	HP
14793	TZ Eri	I	4118.620	-.083	11	KL	14840	PP Lac	I	4122.372	**	6	KL
14794	WX Eri	I	4134.593	+.020	9	KL	14841		II	4178.300	**	6	KL
14795	YY Eri	II	4189.431	-.010	10	HP	14842		I	4101.335	**	7	KL
14796		II	4208.392	-.017	9	HP	14843	UU Leo	I	4206.516	-.029	9	KL
14797	ZZ Eri	I	4143.519	+.021	6	KL	14844	RS Lep	I	4164.643	-.024	5	KL
14798		I	4195.501	+.016	6	KL	14845	SX Lyn	I	4203.705	-.326	6	KL
14799		II	4206.558	-.002	6	KL	14846	RV Lyr	I	4144.398	+.055	9	HP
14800	AM Eri		4195.470	*	11	KL	14847	TZ Lyr	I	4124.438	+.036	9	HP
14801			4206.404	*	7	KL	14848		I	4186.291	+.016	9	RG
14802			4206.562	*	6	KL	14849	UZ Lyr	I	4134.398	+.020	11	HP
14803	RW Gem	I	4189.557	+.002	8	KL	14850	EW Lyr	I	4194.286	+.075	8	HP
14804	CP Gem	I	4195.692	+.052	7	KL	14851	LZ Lyr	I	4122.518	+.304	6	KL
14805	CX Gem	I	4203.422	-.055	4	KL	14852	β Lyr	I	3880.64	***	4	RG
14806	Z Her	I	4122.393	+.001	8	HP	14853		I	4010.00	***	4	RG
14807	RX Her	I	4167.301	-.010	8	RG	14854		I	4022.93	***	4	RG
14808	SZ Her	I	4144.347	+.037	11	HP	14855		I	4007.59	***	5	RG
14809	TX Her	I	4107.390	-.001	45	AB	14856		I	4126.40	***	6	RG
14810	UX Her	I	4125.321	-.052	8	HP	14857		I	4165.21	***	4	RG
14811		I	4156.292	-.057	10	RG	14858	RW Mon	I	4129.653	-.007	10	KL
14812	DH Her	I	4129.316	-.043	9	HP	14859	U Oph	I	4099.374	+.009	33	AB
14813	DQ Her	I	4143.420	+.011	8	KL	14860		II	4167.286	-.011	7	RG
14814	GL Her	I	4133.442	+.079	8	KL	14861	V 449 Oph	I	4129.333	+.054	8	KL
14815		I	4133.449	+.085	9	HP	14862	V 501 Oph	I	4142.303	-.006	8	HP
14816	MX Her	I	4144.395	-.186	12	HP	14863	V 508 Oph	I	4123.328	+.006	8	HP
14817	V 338 Her	I	4123.318	+.094	7	HP	14864		I	4124.366	+.010	10	RG
14818	V 502 Her	II	4133.483	+.101	7	KL	14865		II	4129.361	+.006	6	RG
14819		I	4142.366	+.100	6	KL	14866		I	4133.329	+.009	6	RG
14820	u Her	I	4186.251	-.035	10	RG	14867		II	4157.298	+.014	6	RG
14821	SW Lac	I	4122.349	-.133	7	RG	14868	V 913 Oph	I	4122.331	-.112	6	KL
14822		I	4122.370	-.112	8	HP	14869	EQ Ori	I	4202.418	-.073	7	KL
14823		I	4129.418	-.120	8	HP	14870	FK Ori	I	4118.593	+.200	6	KL
14824		II	4143.363	-.126	6	RG	14871	FL Ori	I	4134.618	+.094	7	KL
14825		I	4147.379	-.119	7	HP	14872	U Peg	I	4122.358	-.007	7	RG
14826		I	4157.317	-.124	6	RG	14873		I	4134.351	-.008	7	RG
14827		I	4166.303	-.119	5	RG	14874		I	4143.345	-.008	8	RG
14828		I	4201.258	-.123	7	RG	14875		I	4155.335	-.011	8	RG
14829		I	4208.319	-.118	8	HP	14876		II	4156.292	+.009	7	RG
14830	TW Lac	I	4164.353	-.100	11	HP	14877		II	4186.252	-.013	9	RG
14831		I	4167.396	-.095	6	HP	14878		II	4207.235	-.018	7	RG
14832	VX Lac	I	4189.347	-.068	7	HP	14879	UX Peg	I	4129.475	-.013	12	HP
14833	CM Lac	I	4124.311	+.006	8	RG	14880		I	4043.373	-.016	9	HP
14834		I	4148.377	+.002	9	HP	14881	BG Peg	I	4134.412	+.240	9	HP
14835		I	4164.425	+.003	8	HP	14882		I	4136.339	+.215	7	HP
14836		I	4201.326	-.004	7	RG	14883	BN Peg	I	4124.350	-.286	6	KL
14837		I	4201.338	+.008	10	HP	14884		I	4129.344	-.284	8	RG

\* These minima again agree ambiguously with the GCVS period as well as the one suggested in BBSAG Bulletin 41, p.4, but slightly favoring the latter. Any minimum observed in January 1980 will be able to distinguish crucially between them.

\*\* no period given by the GCVS, O-C according to Figer's (1<sup>st</sup> set) elements IBVS 1231: +.173 +.140 +.174

\*\*\* Because the O-C according to the linear elements exceeds one whole period, the quadratic term is exceptionally included to get: -.05 -.05 -.04 -.06 -.06 -.05

cur- rent no.	star	minimum or- JD hel der 244...	0-C	ob- n ser- ver	cur- rent no.	star	minimum or- JD hel der 244...	0-C	ob- n ser- ver
14885		I 4129.348	-.281	10 HP	14929		II 4186.246	-.055	6 KL
14886		I 4134.341	-.281	8 RG	14930		I 4189.298	-.066	7 KL
14887		I 4134.342	-.280	8 HP	14931	AY Pup	I 4165.676	+.056	6 KL
14888		I 4154.312	-.282	8 KL	14932		I 4189.596	+.060	7 KL
14889		I 4164.303	-.282	7 KL	14933		II 4201.549	+.053	5 KL
14890	BO Peg	I 4194.337	-.015	8 HP	14934	DF Pup	I 4195.600	+.120	8 KL
14891		I 4201.296	-.021	9 HP	14935	RZ Pyx	II 4203.720	+.192	11 KL
14892	BY Peg	I 4133.493	+.084	6 KL	14936	U Sge	I 4148.319	+.005	14 RG
14893		II 4135.383	+.093	6 KL	14937		I 4148.320	+.006	6 KL
14894		I 4194.346	+.072	7 KL	14938	UZ Sge	I 4135.364	+.057	6 KL
14895	CU Peg	I 4135.382	+.199	6 KL	14939	V 505 Sgr	I 4079.516	-.038	16 JR
14896		I 4201.316	+.171	6 KL	14940		I 4143.399	-.030	11 EP
14897	DI Peg	I 4134.458	-.018	9 HP	14941		I 4181.245	-.036	13 RG
14898		I 4189.267	-.019	10 HP	14942	RT Scl	I 4133.559	-.153	8 KL
14899	DK Peg	I 4166.296	+.062	8 RG	14943		I 4189.326	-.147	6 KL
14900	DO Peg	I 4142.428	+.162	13 HP	14944	U Sct	I 4136.327	+.020	8 HP
14901	EE Peg	I 4097.356	+.063	30 AB	14945	RS Sct	I 4124.320	+.019	6 KL
14902		I 4189.346	+.066	10 RG	14946		I 4130.296	+.017	6 KL
14903	Z Per	I 4201.385	+.025	11 HP	14947		I 4136.281	+.024	6 KL
14904	RT Per	I 4175.336	-.067	6 KL	14948	RW Tau	I 4122.589	-.083	7 KL
14905		I 4203.369	-.065	6 KL	14949		I 4208.425	-.081	12 HP
14906	RV Per	I 4164.481	+.022	6 KL	14950	AP Tau	I 4201.408	-.086	6 KL
14907	ST Per	I 4208.311	-.017	6 KL	14951	V Tri	I 4135.454	+.010	8 HP
14908		I 4208.313	-.016	10 HP	14952		I 4165.299	+.010	6 KL
14909	WY Per	I 4122.509	-.046	6 KL	14953		I 4177.591	+.012	8 KL
14910	XZ Per	I 4189.246	+.010	8 KL	14954		I 4181.701	+.026	6 KL
14911	BY Per	I 4189.411	+.174	9 KL	14955		I 4189.296	+.013	10 HP
14912	KW Per	I 4121.571	+.038	8 KL	14956	X Tri	I 4118.381	-.043	6 GS
14913		I 4122.510	+.045	7 KL	14957		I 4118.383	-.041	9 RG
14914		I 4124.374	+.047	6 KL	14958		I 4148.499	-.042	11 MA
14915		I 4164.415	+.044	6 KL	14959		I 4148.500	-.041	12 DM
14916		I 4165.344	+.042	7 KL	14960		I 4155.304	-.038	8 RG
14917		I 4166.274	+.040	6 KL	14961		I 4177.643	-.044	7 KL
14918		I 4206.318	+.041	11 KL	14962		I 4189.308	-.038	9 HP
14919	QU Per	I 4118.520	*	7 KL	14963	RS Tri	I 4165.482	-.007	13 HP
14920	Y Psc	I 4155.297	+.165	6 KL	14964	RV Tri	I 4133.325	-.017	6 KL
14921	SX Psc	I 4165.442	-.031	9 HP	14965	RW Tri	I 4118.572	-.003	6 KL
14922		I 4194.346	-.032	7 HP	14966		I 4133.412	-.004	5 KL
14923	UV Psc	I 4144.445	+.025	9 HP	14967		I 4143.382	-.002	7 KL
14924		I 4157.345	+.009	9 RG	14968		I 4143.616	-.003	7 KL
14925		I 4201.272	+.022	8 RG	14969		I 4203.441	-.003	6 KL
14926		I 4201.277	+.028	9 HP	14970		I 4206.457	-.002	6 KL
14927	RW PsA	I 4133.437	-.058	6 KL	14971	Z Vul	I 4118.480	+.016	8 HP
14928		II 4165.332	-.063	8 KL	14972		I 4123.386	+.012	12 HP

\* no period given by the GCVS, 0-C according to the elements of BBSAG Bulletin 42, page 3, footnote 1: -.051

current no.	star	minimum order	JD hel	0-C	n	observer
14973		I	4155.304	+0.016	8	RG
14974	RS Vul	I	4087.493	+0.001	31	CPa
14975	AW Vul	I	4114.492	-0.026	13	HP
14976		I	4135.464	-0.021	8	HP
14977		I	4194.336	-0.020	9	HP
14978	AX Vul	I	4122.417	-0.010	6	KL
14979	AY Vul	I	4118.372	+0.029	8	HP
14980		I	4118.372	+0.029	7	KL
14981	BE Vul	I	4123.423	+0.013	13	HP
14982		I	4165.332	+0.017	10	HP
14983	BO Vul	I	4189.320	-0.082	8	HP
14984		I	4189.321	-0.081	6	KL
14985	BU Vul	I	4128.332	+0.006	6	KL
14986		I	4157.341	-0.003	7	RG
14987		I	4165.316	+0.006	8	HP
14988	CD Vul	I	4130.336	-0.029	6	KL
14989		I	4130.356	-0.009	6	HP
14990		I	4143.338	-0.018	7	HP
14991		I	4160.426	-0.023	7	KL
14992	NO Vul	II	4136.363	*	5	KL

\* not contained in the GCVS 1969, 0-C according to the GCVS 1976: +0.030

W X Andromedae :

Probable Decrease of the Totality Duration during the ending Decade

The lack of quotation of a d value in the GCVS had caused my note in BBSAG Bulletin 6, p.4, 1972. Since then, only 3 more minima could be watched, one soon afterwards (current no. 5170, Bulletin 11, 1973) and two very recently (see page 2 of this issue). The former did not show a change in the shape of the lightcurve, however the latter rather a drastic one, as shown by Fig. 47 K.Locher

Fig. 47

