

BBSAG

BULLETIN

91

1989 May 5

124. List of Minima of Eclipsing Binaries

The following table lists 16 photoelectric (underlined) and 376 visual heliocentric minima of eclipsing binaries obtained primarily from January to April of 1989 by the following observers:

MA	Maria Andrakakou, Athens, Greece
EBl	Ernst Blättler, Wald, Switzerland
JBu	Jaime Busquets, Valencia, Spain
RB	Roland Boninsegna, Dourbes, Belgium .
YB	Yannis Bellas, Athens, Greece
RD	Roger Diethelm, Rodersdorf, Switzerland
DE	Demetrius P. Elias, Penteli, Greece
CF	Claire Friedlingstein, Bruxelles, Belgium
JG	Jean-Marie Gillain, Daussoix, Belgium
MKo	Michael Kohl, Uster, Switzerland
GM	George Mavrofridis, Nikea, Greece
KL	Kurt Locher, Grüt, Switzerland
APs	Anton Paschke, Rütli, Switzerland
HP	Hermann Peter, Otelfingen, Switzerland
YT	Yvon Thirionet, Bruxelles, Belgium
JVb	Jacqueline Vandenbroere, Bruxelles, Belgium

The O-C values generally refer to the linear elements of the GCVS 1985, with the remarked exceptions. For the reduction of the visual minima, the tracing paper method was employed, while the photoelectric data were reduced with the Kwee-van Woerden algorithm.

Robert Germann 1920 - 1989

The beginning of the year 1989 was overshadowed for all the members of the BBSAG by the sad news of the untimely passing away of our dear friend Robert Germann. A severe illness, which made obtaining visual timings of minima of eclipsing binaries an ever increasing burden, finally put an end to the activities of an amateur astronomer whose dedication to his pastime served as an inspiration to all the younger observers of the BBSAG. Robert was one of the original charter members of our group and one of our most productive observers. During more than twenty years, he gathered data for the determination of 2685 minima. Observing variable stars was just one of the many fields of astronomical interest to Robert, and the scope of his knowledge seemed to be without bounds. We will dearly miss his quiet and friendly presence and his genuine enthusiasm and dedication to his work and his hobby.

R. Diethelm

A Remark on BU Eridani

BU Eri is a bright, southern eclipsing binary of type EA, originally designed S5168. The GCVS does not state a period. The writer has observed BU Eri visually in 25 nights starting in January of 1988. The minimum timed most accurately is contained in the following list, and several others were observed, at least partially. The period may be $1.02^d/n$ with 0.34 days as the most probable value.

A. Paschke

RY Eridani

RY Eridani, situated at a declination of -17° , has a period of 4.97927^d and a duration of totality of some 12 hours. For an observer in Europe, the determination of a time of minimum is nearly impossible. The last published time of minimum known to us was obtained in 1969. Between JD 2447490 and 247596 the writer has seen RY Eri in 7 minima, but even a superposition of all these observations does not yield an accurate time of minimum. The O-C-value in respect to the GCVS elements is probably positive, but not by more than a few hours.

A. Paschke

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26107	2308+527	RT And	p	47352.569	+0.002	19	CF	
26108			p	47534.454	-0.001	21	CF	
26109	0058+378	WZ And	p	47528.345	+0.003	8	HP	
26110			p	47535.307	+0.008	10	HP	
26111			p	47551.307	+0.008	8	HP	
26112	0153+418	XZ And	p	47531.397	+0.003	7	HP	
26113			p	47565.328	+0.003	9	MKo	
26114			p	47565.332	+0.008	6	KL	
26115			p	47565.334	+0.008	7	HP	
26116			p	47565.335	+0.009	9	EBl	
26117	2309+366	AB And	p	47523.347	-0.003	7	GM	
26118	2334+483	AD And	s	47540.394	-0.048	11	HP	
26119			s	47551.266	-0.024	8	HP	
26120	2308+516	BL And	p	47528.283	+0.014	8	HP	
26121			p	47554.263	-0.012	7	HP	
26122	0205+405	BX And	p	47524.207	-0.008	5	GM	
26123	0008+418	DO And	p	47555.353	+0.013	5	KL	elem. MVS 11, p. 106
26124	0139+445	EP And	p	47551.292	+0.034	5	KL	
26125			p	47558.346	+0.016	11	MKo	
26126	0209+444	GZ And	p	47535.354	+0.011	9	HP	
26127			s	47566.312	+0.009	7	KL	.
26128	2324+452	LO And	s	47529.264	+0.043	8	HP	
26129			s	47535.345	+0.031	7	HP	
26130			s	47540.278	+0.012	9	HP	
26131	0201+237	SS Ari	p	47523.379	-0.028	8	GM	
26132			p	47534.301	-0.066	9	HP	
26133			s	47565.346	-0.079	9	HP	
26134	0302+283	TX Ari	p	47555.342	-0.233	8	EBl	
26135	0514+382	RY Aur	p	47580.434	+0.013	9	KL	
26136			p	47580.435	+0.014	12	YB	
26137	0508+421	SX Aur	p	47524.453	-0.010	7	GM	
26138			s	<u>47555.3124</u>	<u>-0.0081</u>	9	RD	pe, B
26139	0629+324	WW Aur	p	<u>47555.3002</u>	<u>-0.0003</u>	9	RD	pe, B
26140			p	47565.406	+0.005	22	JVb	
26141			p	47570.446	-0.005	19	JVb	
26142			s	47594.441	+0.002	18	JVb	
26143			s	47599.467	-0.021	18	JVb	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26144	0542+411	ZZ Aur	p	47535.429	+0.000	7	HP	
26145			p	47553.470	+0.008	7	HP	
26146			p	47564.303	+0.016	8	HP	
26147			p	47597.364	+0.011	8	HP	
26148	0509+334	CL Aur	p	47562.484	+0.071	6	KL	
26149	0510+370	EM Aur	s	47553.288	-0.013	6	HP	
26150			p	47592.437	-0.037	7	HP	
26151	0608+314	EP Aur	p	<u>47538.383</u>	<u>-0.007</u>	6	RD	pe, B
26152	0536+325	FN Aur	p	47540.375	-0.555	6	KL	
26153	0615+497	HL Aur	p	47535.497	+0.005	6	HP	
26154			p	47565.369	-0.003	12	MKo	
26155			p	47565.374	+0.002	9	HP	
26156	0507+357	HP Aur	p	47528.490	+0.028	7	HP	
26157			p	47595.356	+0.021	10	HP	
26158	0524+347	IU Aur	p	<u>47538.409</u>	<u>+0.019</u>	7	RD	pe, B
26159	0544+430	IY Aur	p	47524.340	-0.021	8	GM	
26160	0624+304	KU Aur	p	47587.300	+0.028	6	KL	
26161	1402+302	TU Boo	p	47563.622	-0.024	4	KL	
26162	1458+353	TY Boo	s	47612.442	+0.041	9	HP	
26163	0734+761	Y Cam	p	47540.266	+0.049	6	KL	
26164	1137+805	AL Cam	p	47614.367	-0.013	8	HP	
26165	0906+821	AZ Cam	p	47564.286	+0.021	7	HP	
26166	0849+092	TU Cnc	p	47595.429	-0.072	4	KL	
26167	0858+268	WY Cnc	p	47559.404	-0.008	8	MKo	
26168			p	47568.536	+0.001	6	HP	
26169	0906+306	WW Cnc	p	47591.383	-0.300	7	HP	
26170	1354+289	YZ CVn	p	47605.373	-0.007	5	KL	
26171	0717-163	R CMa	p	47581.339	+0.022	17	JVb	
26172	0711-180	RX CMa	p	47542.325	-0.062	5	KL	
26173	0707-161	SX CMa	p	47565.40	+0.01	8	APs	
26174			p	47596.265	+0.019	14	APs	normal minimum
26175	0656-187	UU CMa	p	47540.468	-0.029	8	KL	
26176	0720-152	EE CMa	p	47552.464	+0.021	5	KL	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26177	0615-215	EG CMa	p	47552.376	-0.021	6	KL	
26178	0720+068	RY CMi	p	47552.413	-0.653	12	KL	
26179	0751+037	XZ CMi	p	47566.304	+0.017	6	HP	
26180			p	47592.348	+0.012	7	HP	
26181			p	47614.340	+0.012	7	HP	
26182	0737+040	AK CMi	p	47535.479	+0.000	8	HP	
26183			p	47564.329	-0.010	8	HP	
26184			p	47577.355	-0.000	6	KL	
26185			p	47590.368	-0.005	7	HP	
26186			p	47616.395	-0.007	9	APs	
26187	0747+020	AM CMi	s	<u>47566.370</u>	<u>+0.015</u>	9	RD	pe, B
26188	0706+017	AN CMi	p	47566.484	-0.377	6	KL	
26189	0727+046	BF CMi	p	47529.457	-0.348	8	HP	
26190			p	47555.402	-0.378	8	HP	
26191			p	47566.346	-0.060	8	HP	
26192			p	47586.392	-0.086	12	HP	
26193			p	47592.296	-0.086	9	HP	
26194			p	47612.351	-0.102	9	HP	
26195			p	47612.39	-0.06	16	APs	
26196	0244+696	RZ Cas	p	47467.346	+0.007	17	JVb	
26197			p	47473.323	+0.009	20	JVb	
26198			p	47486.476	+0.014	23	JVb	
26199			p	47516.358	+0.015	16	JVb	
26200			p	47522.336	+0.016	15	GM	
26201			p	47529.501	+0.010	22	JVb	
26202			p	47553.401	+0.005	58	JG	
26203			p	47553.406	+0.010	24	JVb	
26204			p	47565.355	+0.007	32	JVb	
26205			p	47566.558	+0.015	26	JVb	
26206			p	47578.500	+0.004	28	JG	
26207	0016+588	TV Cas	p	47553.346	-0.013	23	JVb	
26208			p	47562.395	-0.027	22	JVb	
26209	0241+655	TW Cas	p	<u>47540.284</u>	<u>-0.002</u>	6	RD	pe, B
26210	0232+710	AB Cas	p	47542.277	+0.016	8	EBl	
26211			p	47557.310	+0.013	7	KL	
26212			p	47613.351	+0.013	8	HP	
26213	0123+698	AE Cas	p	47557.322	+0.043	6	KL	
26214	0028+714	CV Cas	p	47542.341	+0.358	11	KL	
26215	0042+628	CW Cas	p	47528.300	+0.035	8	HP	
26216	2350+572	EP Cas	p	47529.259	-0.019	9	HP	
26217			p	47555.279	-0.030	8	HP	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26218	0000+574	EY Cas	p	47555.250	-0.063	5	KL	
26219	2304+538	IR Cas	s	47540.331	+0.005	8	HP	
26220			p	47632.583	+0.004	7	KL	
26221	2339+514	IT Cas	p	<u>47540.372</u>	<u>+0.039</u>	9	RD	pe, B
26222	0049+501	V364 Cas	s	47530.388	-0.022	11	HP	
26223	0037+499	V523 Cas	s	47529.373	+0.005	5	HP	
26224			s	47545.269	+0.010	6	KL	
26225			s	47552.287	+0.018	9	MKo	
26226	1140-355	V752 Cen	s	47581.452	-0.002	5	KL	
26227	0057+816	U Cep	p	47640.499	+0.038	6	KL	
26228	2047+589	DE Cep	p	47555.718	-0.001	5	KL	
26229	2249+567	GS Cep	p	47536.342		10	HP	GCVS period erroneous
26230	2109+575	IO Cep	p	47536.290	+0.031	7	HP	
26231	0158+786	V357 Cep	p	47566.646	-0.020	6	KL	elem. Brno. Contr. 28. 34
26232	0220+809	V358 Cep	p	47552.677	+0.644	6	KL	elem. BBSAG Bull. 63, p. 5
26233	0256+030	TU Cet	p	47512.51	+0.29	22	APs	normal minnum
26234	0312+025	TV Cet	p	<u>47566.338</u>	<u>+0.004</u>	16	RD	pe, B
26235	0256+033	XY Cet	p	47535.38	-0.02	15	APs	
26236	0156-231	AA Cet	p	47547.241	+0.001	7	KL	
26237	1230+269	RW Com	p	47590.423	-0.005	7	HP	
26238			s	47612.371	-0.011	7	EBI	
26239			p	47613.439	-0.011	9	HP	
26240	1232+236	RZ Com	p	47592.341	+0.014	8	HP	
26241			p	47612.305	+0.006	7	EBI	
26242	1247+189	SS Com	p	47612.371	+0.011	8	HP	
26243			s	47613.397	+0.004	11	HP	
26244	1209+228	CC Com	s	47559.392	+0.000	7	MKo	
26245			p	47592.378	-0.006	7	HP	
26246			s	47612.364	+0.008	8	EBI	
26247	1205-128	W Crv	p	47584.613	-0.002	6	KL	
26248			p	47587.512	+0.000	9	HP	
26249	1227-233	Z Crv	p	47542.574	+0.017	5	KL	
26250	2002+414	WW Cyg	p	47640.489	+0.007	6	KL	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26251	2022+467	ZZ Cyg	p	47628.583	-0.019	6	KL	
26252	2056+349	CG Cyg	p	47530.258	+0.023	6	HP	
26253	1928+342	HK Cyg	p	47591.611	-0.034	6	KL	
26254	1941+326	V370 Cyg	p	47628.614	-0.018	7	KL	
26255	2026+381	V445 Cyg	p	47640.504	+0.142	6	KL	
26256	2151+535	V680 Cyg	p	47529.296	+0.015	9	HP	
26257			p	47535.283	+0.008	9	HP	
26258	1932+396	V1130 Cyg	p	47612.601	-0.061	6	KL	
26259	1142+725	Z Dra	p	47565.274	-0.042	5	MKo	
26260			p	47565.274	-0.042	6	KL	
26261			p	47592.424	-0.042	6	HP	
26262	1655+527	AI Dra	p	47534.410	+0.000	20	CF	
26263			p	47500.666	+0.001	35	JG	
26264			p	47566.599	-0.001	15	JVb	
26265	1214+651	AR Dra	p	47577.471	-0.001	6	KL	
26266			p	47592.342	+0.003	8	HP	
26267	1537+572	CK Dra	p	47596.296	+0.016	4	KL	
26268	1922+698	DW Dra	p	47555.316	-0.001	6	KL	elem. BBSAG Bull. 84, p 6
26269	0321-008	WX Eri	p	47536.331	-0.003	9	HP	
26270			p	47555.279	+0.010	7	HP	
26271			p	47559.377	-0.009	8	MKo	
26272			p	47564.325	-0.000	7	HP	
26273	0427-123	AM Eri	p	47566.355	-0.028	6	KL	
26274	0409-119	BL Eri	p	47535.427	+0.011	27	APs	elem. AJ 95, ,norm min.
26275	0347-210	BU Eri		47555.346		8	APs	see following note
26276	0345-087	CD Eri	p	47536.301	+0.022	12	HP	
26277	0558+231	RW Gem	p	47556.514	-0.002	10	MKo	
26278			p	47579.427	-0.013	8	KL	
26279	0733+170	TX Gem	p	47568.533	-0.018	8	HP	
26280			p	47613.345	-0.005	11	HP	
26281			p	47613.352	+0.001	6	KL	
26282	0629+198	AC Gem	p	47595.356	+0.013	7	HP	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26283	0647+214	AF Gem	p	47523.395	-0.040	8	GM	
26284			p	47554.476	-0.047	9	HP	
26285			p	47564.423	-0.048	8	HP	
26286			p	47569.400	-0.046	11	HP	
26287			p	47615.395	-0.060	7	HP	
26288	0631+155	BD Gem	p	47565.413	-0.004	6	KL	
26289	0622+180	BO Gem	p	47581.400	+0.182	18	YB	
26290			p	47581.415	+0.197	16	KL	
26291	0637+219	CW Gem	p	47613.32	+0..22	23	APs	normal minimum
26292	0644+169	FG Gem	p	47586.439	+0.080	12	HP	
26293	0749+272	GW Gem	p	47612.333	+0.014	7	HP	
26294	0601+266	LP Gem	p	47590.320	+0.016	6	KL	
26295	1711+307	TU Her	p	47552.640	-0.003	7	KL	
26296	1615+090	CC Her	p	47632.644	+0.014	8	KL	
26297	1732+151	DP Her	p	47591.644	+0.040	6	KL	
26298	1819+144	MT Her	p	47624.550	+0.002	4	KL	
26299	1704+277	V366 Her	p	47624.465	-0.022	7	KL	
26300	17143209	V381 Her	p	47612.567	+0.113	5	KL	
26301	0827-092	SY Hya	p	47580.504	-0.036	6	KL	
26302			p	47580.522	-0.018	9	YB	
26303	0926+057	TY Hya	p	47613.404	+0.022	6	KL	
26304	0831-144	VW Hya	p	47542.557	+0.046	8	KL	
26305	0811+006	WY Hya	p	47568.542	+0.035	5	HP	
26306			p	47586.419	+0.012	7	HP	
26307			s	47595.374	+0.017	6	HP	
26308	0923-219	XZ Hya	p	47555.553	-0.011	5	KL	
26309	0912+030	AL Hya	p	47565.456	+0.315	9	KL	
26310	0928-187	AS Hya	p	47592.367	-0.007	6	KL	elem. BBSAG Bull. 83, p.5
26311	0932+055	AV Hya	p	47587.365	-0.008	7	HP	
26312			p	47613.340	-0.018	8	HP	
26313			p	47615.386	-0.007	7	HP	
26314	0825+058	DE Hya	p	47624.425	+0.013	5	KL	
26315	2238+380	VX Lac	p	47534.244	-0.001	7	HP	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26316	2247+447	VY Lac	s	47534.268	-0.102	7	HP	
26317	2226+535	DG Lac	p	47532.264	-0.075	8	HP	
26318	0933+264	Y Leo	p	47579.483	-0.003	10	KL	
26319			p	47579.485	-0.002	15	YB	
26320	0945+132	UU Leo	p	47616.415	+0.021	6	APs	
26321	1035+145	UV Leo	p	47597.430	+0.010	9	APs	
26322			p	47612.435	+0.013	18	APs	
26323	0959+176	XY Leo	p	47586.495	+0.020	7	HP	
26324			s	47615.336	+0.025	6	HP	
26325	0959+172	XZ Leo	p	47587.440	+0.009	8	HP	
26326			s	47597.434	+0.005	8	HP	
26327	1142+250	BL Leo	p	47540.505	-0.013	4	KL	
26328	0945+335	T LMi	s	47591.379	+0.065	10	HP	
26329	0509-132	RR Lep	p	47564.34	+0.02	26	APs	normal minimum
26330	0557-202	RS Lep	p	47597.338	-0.000	7	KL	
26331	0652+509	RV Lyn	p	47551.295	+0.516	6	KL	
26332	0851+466	RY Lyn	p	47565.497	-0.007	6	KL	
26333	0933+415	RZ Lyn	p	47595.3242	+0.004	8	HP	
26334	0809+574	SX Lyn	p	47591.348	+0.014	10	HP	
26335			p	47597.416	+0.014	11	HP	
26336	0900+382	UV Lyn	s	<u>47553.370</u>	<u>-0.010</u>	5	RD	pe,B
26337	1831+377	EW Lyr	p	47563.693	+0.249	10	KL	
26338	1910+462	FL Lyr	p	47354.556	+0.002	16	CF	
26339	1913+337	NV Lyr	p	47612.612	-0.051	6	KL	
26340	0632+088	RW Mon	p	47562.523	-0.009	6	KL	
26341			p	47564.425	-0.013	8	HP	
26342			p	47587.304	-0.007	9	HP	
26343	0625+052	TV Mon	p	47552.549	-0.001	6	KL	
26344	0651-041	XZ Mon	p	47542.592	+0.031	5	KL	
26345	0658-086	BB Mon	p	47555.411	-0.008	9	HP	
26346	0706+007	BM Mon	p	47562.476	+0.010	6	KL	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26347	0757-033	BO Mon	p	47586.406	-0.018	8	HP	
26348			p	47615.340	-0.012	6	KL	
26349	0644+031	CE Mon	p	47581.420	+0.030	11	YB	
26350			p	47581.424	+0.034	8	KL	
26351	0651+056	CK Mon	p	47521.474	+0.148	8	KL	
26352			p	47552.324	+0.142	5	KL	
26353	0643-002	DD Mon	p	47529.453	+0.079	8	HP	
26354			p	47554.442	+0.075	8	HP	
26355			p	47587.389	+0.077	12	HP	
26356	0711-090	FN Mon	p	47581.404	+0.028	9	KL	
26357			p	47581.413	+0.037	9	YB	
26358	0722-050	FS Mon	s	47528.466	-0.005	8	HP	
26359	0755-070	FW Mon	p	47565.431	-0.009	6	KL	
26360	0700+003	HM Mon	p	47591.302	-0.010	6	KL	
26361	0708-054	HP Mon	p	47542.492	+0.113	7	KL	
26362	0635+036	V396 Mon	s	47562.420	-0.022	6	KL	
26363	0657+021	V460 Mon	p	47591.414	+0.051	10	HP	
26364	0637+020	V498 Mon	p	<u>47566.301:</u>	<u>-0.058:</u>	8	RD	pe, B
26365	0749-011	V681 Mon	p	47566.612	+0.071	10	KL	elem. BBSAG Bull. 75,p. 4
26366	1728+106	V449 Oph	p	47628.608	+0.014	7	KL	
26367	1756+135	V508 Oph	p	47563.670	+0.003	6	KL	
26368	0454-036	EQ Ori	p	47530.381	-0.024	7	HP	
26369			p	47551.336	-0.021	6	KL	
26370			p	47558.324	-0.017	10	MKo	
26371			p	47565.303	-0.022	10	EBl	
26372			p	47565.307	-0.018	8	MKo	
26373	0508-086	ER Ori	p	47506.588	+0.012	20	JBu	
26374	0452+013	ET Oei	p	47535.463	+0.015	9	HP	
26375			p	47555.421	+0.003	6	HP	
26376	0532+029	FF Ori	p	47553.328	+0.012	7	HP	
26377	0520+042	FH Ori	p	47562.396	-0.172	6	KL	
26378	0502+092	FK Ori	p	47540.404	+0.002	6	KL	
26379	0505-028	FL Ori	p	47565.344	-0.008	7	KL	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26380	0548+094	FR Ori	p	47528.489	+0.075	7	HP	
26381			p	47529.389	+0.091	7	HP	
26382	0538+025	FZ Ori	s	47528.522	-0.019	8	HP	
26383			p	47540.317	-0.023	9	HP	
26384			p	47554.332	-0.008	7	HP	
26385			s	47587.316	-0.023	7	HP	
26386	0533+088	OS Ori	p	47617.325	-0.003	4	KL	
26387	0608+185	V392 Ori	p	47554.389	-0.006	6	HP	
26388			p	47564.281	-0.004	6	HP	
26389			p	47587.366	+0.006	7	HP	
26390	0552-093	V640 Ori	p	47605.314	-0.038	4	KL	
26391	0612+155	V645 Ori	p	47596.293	+0.027	6	KL	
26392	2220+160	BB Peg	p	47528.277	-0.016	7	HP	
26393	0320+463	RT Per	p	47525.389	+0.020	9	GM	
26394			p	47531.335	+0.020	7	HP	
26395			p	47565.312	+0.022	8	HP	
26396	0256+389	ST Per	p	47529.323	+0.105	8	HP	
26397			p	47566.392	+0.098	9	HP	
26398	0405+464	XZ Per	p	47554.306	-0.014	8	MKo	
26399			p	47554.312	-0.007	7	HP	
26400			p	47562.368	-0.013	6	KL	
26401	0150+545	BY Per	p	47579.287	-0.011	7	MA	
26402			p	47579.307	+0.009	10	KL	
26403			p	47579.312	+0.013	7	YB	
26404	0256+437	IU Per	p	47524.326	+0.010	9	GM	
26405			p	47530.355	+0.004	9	HP	
26406			p	47553.478	+0.023	7	HP	
26407			p	47554.326	+0.015	7	HP	
26408			p	47566.305	-0.005	6	HP	
26409			p	47590.311	+0.004	7	HP	
26410	0433+441	KR Per	s	47530.366	-0.123	8	HP	
26411			s	47531.367	-0.118	8	HP	
26412	0156+529	KW Per	p	47553.267	+0.005	7	HP	
26413			p	47565.367	-0.001	10	MKo	
26414			p	47565.369	+0.001	6	HP	
26415			p	47565.371	+0.002	6	KL	
26416	0236+454	PS Per	p	47566.432	+0.036	6	KL	
26417	0327+343	V337 Per	p	47592.346	-0.007	7	KL	
26418	0304+407	Beta Per	p	47499.558	+0.031	8	JBu	
26419			p	47545.405	+0.002	32	JG	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26420	0054+120	SX Psc	p	47562.277	-0.012	7	KL	
26421	0114+065	UV Psc	p	47553.328	-0.002	6	HP	
26422	0811-238	XZ Pup	p	47555.509	+0.031	5	KL	
26423	0736-243	AY Pup	s	47564.470	-0.009	5	KL	
26424	0751-195	DF Pup	p	47582.298	+0.008	12	KL	
26425			p	47582.302	+0.013	19	YB	
26426	1756-173	WX Sgr	p	47628.612	-0.037	9	KL	
26427	0435+205	V505 Sgr	p	47352.534	+0.005	20	CF	
26428			p	47403.409	+0.017	31	JG	
26429	1739-138	AK Ser	p	47591.666	+0.011	5	KL	
26430	1554+224	AU Ser	p	47563.636	-0.006	4	KL	
26431	0400+279	RW Tau	p	47586.363	-0.031	9	HP	
26432	0433+186	RZ Tau	p	47524.322	+0.005	8	GM	
26433	0548+281	SV Tau	p	47609.377	+0.010	4	KL	
26434	0553+263	WY Tau	p	<u>47555.364</u>	<u>+0.039</u>	10	RD	pe, B
26435			p	47564.363	+0.033	7	HP	
26436			s	47590.318	+0.009	7	HP	
26437			p	47591.359	+0.010	8	HP	.
26438	0434+015	AC Tau	p	47559.407	+0.019	10	MKo	
26439	0344+249	AH Tau	s	47528.387	-0.057	6	HP	
26440			s	47535.368	-0.061	7	HP	
26441			s	47555.330	-0.061	6	HP	
26442			s	47566.303	-0.061	8	HP	
26443			s	47573.295	-0.060	6	KL	
26444	0549+162	AM Tau	s	47573.285	+0.012	6	KL	
26445	0353+293	AN Tau	p	47531.380	+0.226	8	HP	
26446	0514+200	CD Tau	p	<u>47555.323</u>	<u>-0.001</u>	9	RD	pe, B
26447	0553+252	EN Tau	p	47587.321	+0.001	7	HP	
26448	0345+221	EQ Tau	s	47558.292	+0.001	7	MKo	
26449			s	47615.300	+0.004	7	EBl	
26450	0526+287	ES Tau	p	47555.485	-0.001	6	KL	
26451	0538+259	GQ Tau	p	47554.375	-0.033	8	HP	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26452	0427+254	GW Tau	s	47530.445	+0.017	6	HP	
26453			p	47540.374	+0.004	7	HP	
26454			p	47551.298	+0.027	6	HP	
26455			s	47564.435	+0.016	7	HP	
26456			s	47591.343	-0.012	8	HP	
26457	0435+205	HU Tau	p	47419.551	+0.006	16	DE	
26458			p	47561.404	-0.027	8	YT	
26459	0547+269	V781 Tau	s	<u>47538.397</u>	<u>-0.018</u>	8	RD	pe, B
26460			p	<u>47540.306</u>	<u>-0.007</u>	6	RD	pe, B
26461			s	<u>47555.307</u>	<u>-0.009</u>	10	RD	pe, B
26462			s	<u>47566.3435</u>	<u>-0.0098</u>	9	RD	pe, B
26463	0128+301	V Tri	p	47551.303	-0.003	7	HP	
26464			p	47558.328	-0.001	9	MKo	
26465			p	47565.339	-0.013	6	KL	
26466	0157+276	X Tri	p	47528.464	-0.008	15	RB	
26467			p	47530.405	-0.011	7	HP	
26468			p	47566.352	-0.010	6	HP	
26469	0132+293	RS Tri	p	47523.290	+0.005	10	GM	
26470	0210+367	RV Tri	p	47529.326	-0.010	8	HP	
26471			p	47535.360	-0.005	8	HP	
26472	0940+561	W UMa	s	47552.524	-0.010	11	JVb	
26473			p	47553.361	-0.007	11	JVb	
26474			s	47591.566	-0.004	13	JVb	
26475	1339+596	TW UMa	p	47564.498	-0.025	4	KL	
26476	1206+563	TY UMa	s	47592.385	-0.015	7	HP	
26477			p	47612.398	-0.033	8	HP	
26478	1334+521	UX UMa	p	47595.412	-0.003	4	KL	
26479	0934+562	VV UMa	p	47569.528	-0.002	9	HP	
26480			p	47587.402	+0.000	7	HP	
26481	0906+546	XY UMa	s	47569.534	+0.002	7	HP	
26482			p	47587.507	+0.013	8	HP	
26483			s	47597.333	+0.019	7	HP	
26484			p	47612.414	+0.012	10	HP	
26485	0928+496	XZ UMa	p	47592.423	-0.003	10	HP	
26486			p	47597.310	-0.009	7	HP	
26487			p	47597.316	-0.003	8	EBl	
26488			p	47597.316	-0.002	4	KL	
26489	1026+620	ZZ UMa	p	47590.334	-0.004	7	HP	
26490			p	47613.337	+0.006	7	HP	

Nr	Design.	Star	Type	O	O-C	n	Obs	Remarks
26491	0943+459	AA UMa	p	47590.340	-0.001	7	HP	
26492			p	47597.358	-0.005	8	HP	
26493			p	47612.358	+0.015	8	HP	
26494	0851+651	AC UMa	p	47580.516	-0.037	7	KL	
26495			p	47580.524	-0.029	13	YB	
26496	1042+525	BH UMa	p	47595.359	+0.026	7	HP	
26497			p	47597.428	-0.001	8	HP	
26498	2023+272	BE Vul	p	47632.582	-0.004	6	KL	

The Period of S W Pyxidis

is unknown according to the GCVS 1985, where the entries are entirely based on the rough study by Hoffmeister in ASTRONOMISCHE NACHRICHTEN 242, 129 (1931). They read

$$m_{p \max} = 10.5$$

$$m_{p \min} > 12$$

and Type EA. My visual survey during 40 nights in 1988 and '89 has yielded

$$|m_{v \max} - m_{v \min}| = 1.9 \pm .2$$

$$D / p < .19$$

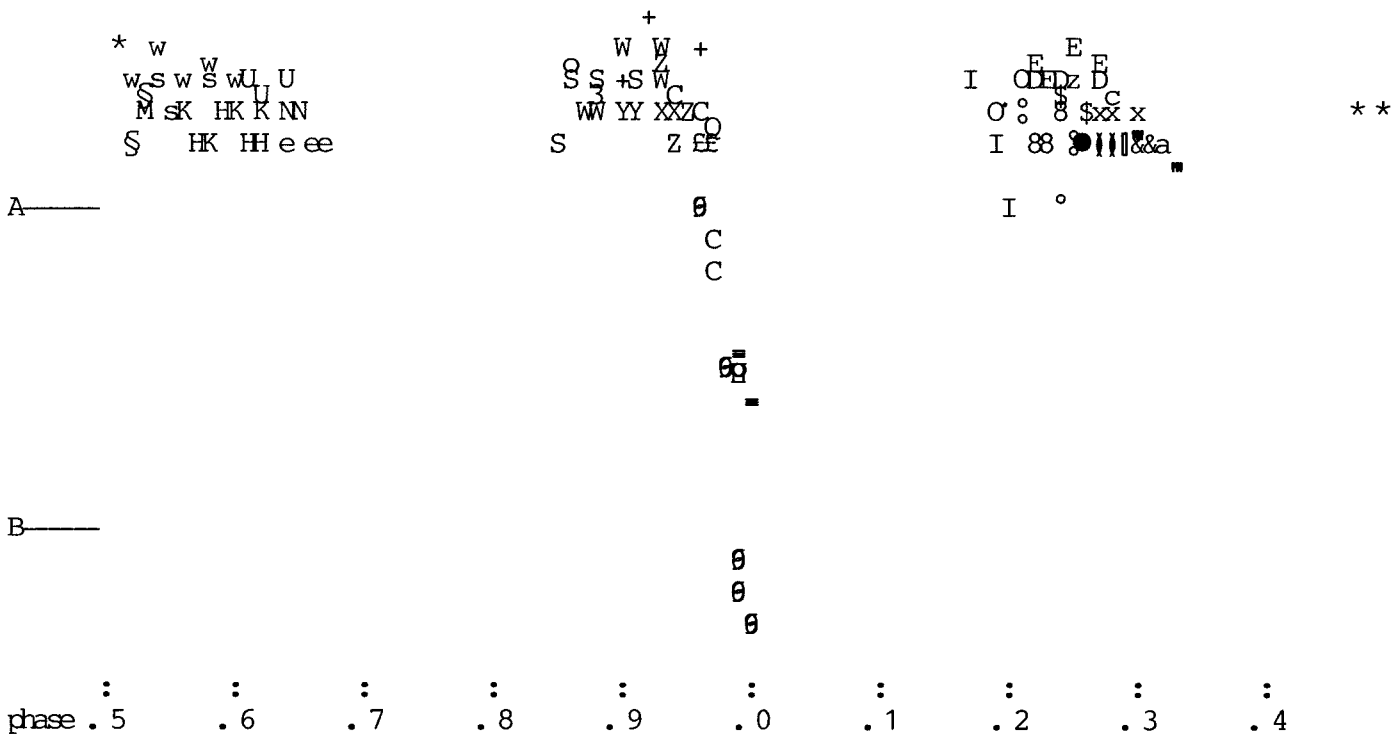
and the elements

$$JD_{hel \min} = 2447262.35 + 2.983 E$$

Figure 85 plots all my observations against phase.

K.Locher

Fig. 85



(A—— comparison magnitude 4' southeast)
 (B—— comparison magnitude 3' south)

JD 2447000+	262	472	481	483	489	511	516	521	523	524	531	535	536	540
plot symbol	θ	*	M	I	O	S	●	o	s	S	o	w	3	8
	542	552	555	562	564	565	566	573	581	582	587	590	591	592
	w	D	E	H	↓	K	+	\$	Y	z	X	Z	x	U