

BBSAG

BULLETIN

116

1998 January 15

149. LIST OF MINIMA OF ECLIPSING BINARIES

The following table lists 74 electronically recorded (CCD; underlined) and 307 visual timings of minima of eclipsing binaries obtained primarily between September and December 1997 by the following observers:

EBI	Ernst Bißttler, Wald, Switzerland
AD	Antonin Dedoch, Praha, Czech Republic
RD	Roger Diethelm, R.Szafraniec Observatory, Metzerlen, Switzerland
MKo	Michael Kohl, Laupen, Switzerland
KL	Kurt Locher, Gröti, Switzerland
MMj	Milan Major, Praha, Czech Republic
APs	Anton Paschke, Rütli, Switzerland
HP	Hermann Peter, Otelfingen, Switzerland
PSu	Pavel Suchan, Praha, Czech Republic
JVb	Jacqueline Vandenbroere, Bruxelles, Belgium

Generally, the O-C values refer to the linear elements of the GCVS 1985, with the remarked exceptions. For the reduction of the minima, the tracing paper method was employed. For the reduction of some of the electronic observations the Kwee-van Woerden algorithm was used. All times are heliocentric UTC.

34565	2311+458	TT And	p	<u>50684.405</u>	0.010	-0.073	35 APs	CCD
34566			p	50731.402	0.006	-0.083	8	HP
34567	0041+306	UU And	p	50700.417	0.004	+0.020	10	HP
34568			p	50752.442	0.008	+0.025	8	HP
34569			p	50755.410	0.009	+0.021	10	HP
34570			p	50755.416	0.004	+0.027	6	KL
34571			p	50755.429	0.003	+0.040	8	MK _o
34572	0058+378	WZ And	p	50719.324	0.005	+0.006	9	HP
34573			p	50774.290	0.006	+0.009	10	HP
34574	0153+418	XZ And	p	50699.351	0.005	+0.070	8	HP
	34575		p	50718.358	0.004	+0.075	8	
	HP							
34576			p	50752.310	0.006	+0.095	7	HP
34577	2334+483	AD And	p	50718.403	0.005	-0.055	10	HP
34578			p	50727.314	0.006	-0.020	8	HP
34579	2308+516	BL And	p	50710.321	0.005	-0.015	7	HP
34580	0209+453	CP And	p	50718.525	0.008	+0.232	16	JVb

34581		p	50747.396	0.007	+0.232	10 HP	
34582		p	50812.351	0.009	+0.226	7 HP	
34583	0139+445	EP And	p	50771.247	0.005	+0.061	6 KL
34584	2337+474	EX And	p	50727.376	0.004	-0.010	9 MKo
34585	2351+453 BAV Rb. 43, 108	GK And	p	50701.404	0.006	-0.005	11 HP elem.
34586		p	50703.409	0.005	-0.010	12 HP	
34587		p	<u>50719.4782</u>	<u>0.0007</u>	<u>-0.0151</u>	16 RD	CCD
34588	0233+379 elem. BAV Rdb. 36, 11	KN And	p	<u>50751.3211</u>	<u>0.0005</u>	<u>-0.0014</u>	15 RD CCD;
34589	2324+452 GEOS EB No. 11	LO And	s	50701.339	0.004	+0.057	7 HP elem.
34590	2233-009	CX Aqr	p	50702.367	0.005	-0.003	6 KL
34591		p	50702.372	0.006	+0.003	7 HP	
34592		p	50751.296	0.008	-0.001	6 HP	
34593	2319-162	CZ Aqr	p	50700.557	0.003	-0.007	6 KL
34594	2112+022	EX Aqr	p	<u>50700.3578</u>	<u>0.0009</u>	<u>+0.0304</u>	12 RD CCD
34595	1914+092	V342 Aql	p	50715.295	0.005	-0.041	8 HP

34596	1936+126	V343 Aql	p	50700.373	0.005	-0.024	9	HP	
34597	2007+102	V346 Aql	p	50717.288	0.005	-0.001	9	HP	
34598	1935+106	V640 Aql	s	<u>50719.3569</u>	0.0006	+0.1478	17	EBI	CCD
34599	1954+009	V724 Aql	p	<u>50718.3037</u>	0.0019	-0.0064	16	EBI	CCD;
elem. IBVS No. 3555									
34600	1948+151	V1045 Aql	p	<u>50721.3449</u>	0.0006	-0.0121	13	RD	CCD
34601	1956+116	V1168 Aql	p	50718.325	0.005	-0.001	6	HP	
34602	1922+159	V1353 Aql	p	50703.417	0.005	+0.008	7	HP	
34603			p	50747.282	0.009	+0.015	8	HP	
34604	0201+237	SS Ari	p	<u>50725.3310</u>	0.0012	-0.0253	14	RD	CCD;
elem. JAAVSO 21, 111									
34605			s	<u>50763.2888</u>	0.0010	-0.0272	23	EBI	CCD
34606	0514+382	RY Aur	p	50807.302	0.003	+0.018	6	KL	
34607	0509+334	CL Aur	p	50750.577	0.004	+0.102	6	KL	
34608	0615+497	HL Aur	p	50774.384	0.006	+0.002	8	HP	elem.
IBVS No. 4235									

34609		p	50812.368	0.006	+0.014	7	HP	
34610	0507+357	HP Aur	p	50812.362	0.006	+0.046	7	HP
34611	0624+304	KU Aur	p	50722.616	0.008	+0.029	6	KL
34612	1458+353 BAV Mitt. 68, 21	TY Boo	p	50700.367	0.005	-0.016	7	HP elem.
34613			p	50708.307	0.005	-0.005	7	HP
34614	0734+761	Y Cam	p	50700.558	0.006	+0.164	6	KL
34615	0720-152	EE CMa	p	50792.583	0.006	+0.010	6	KL
34616	0727+107 elem. PASP 98, 960	AC CMi	s	<u>50487.567</u>	0.004	+0.014	20 APs	CCD;
34617	0737+040	AK CMi	p	50722.608	0.003	-0.005	5	KL
34618	2021-131	TY Cap	p	50699.378	0.004	+0.033	9	MKo
34619	0030+622	ZZ Cas	p	<u>50762.3308</u>	0.0006	+0.0177	18 EBI	CCD
34620	0232+710	AB Cas	p	50750.370	0.006	+0.056	8	HP
34621			p	50761.301	0.007	+0.052	6	KL
34622	0123+698	AE Cas	p	50762.348	0.007	+0.069	7	KL

34623	0120+613	AX Cas	p	50752.6298	0.0014	-0.0693	11 RD	CCD
34624	0135+631	BW Cas	p	<u>50710.2973</u>	<u>0.0002</u>	<u>0.0000</u>	19 RD	CCD; n.
m. el. IBVS No. 4531								
34625			p	<u>50754.5031</u>	<u>0.0010</u>	<u>+0.0008</u>	46 EBI	CCD
34626	0150+627	BZ Cas	p	50753.321	0.008	+0.029	11 HP	elem.
Brno Contr. 28								
34627			p	<u>50753.3255</u>	<u>0.0008</u>	<u>+0.0335</u>	43 EBI	CCD
34628	0028+714	CV Cas	p	50774.335	0.009	0.482	11 KL	
34629	0042+628	CW Cas	p	50708.324	0.005	-0.009	7 HP	elem.
JAAVSO 21, 34								
34630			p	50753.290	0.006	-0.003	7 HP	
34631			p	50812.286	0.005	+0.004	7 HP	
34632	2350+572	EP Cas	p	50667.486	0.009	-0.042	21 AD	
34633			p	50667.494	0.009	-0.034	17 MMj	
34634			p	50716.311	0.005	-0.023	6 HP	
34635			p	50751.288	0.007	-0.024	8 HP	
34636			p	50755.351	0.008	-0.028	6 HP	
34637			p	50812.283	0.005	-0.037	7	
HP								
34638	0000+574	EY Cas	p	<u>50723.260</u>	<u>0.006</u>	<u>-0.084</u>	23 EBI	CCD
34639			p	<u>50747.3576</u>	<u>0.0012</u>	<u>-0.0857</u>	46 EBI	CCD

34640			s	<u>50747.6002</u>	0.0011	-0.0842	32 EBI	CCD
34641	2304+538	IR Cas	p	50696.353	0.004	+0.029	7 HP	
34642			s	50731.401	0.006	+0.022	7 HP	
34643			p	50751.482	0.004	+0.022	6 KL	
34644	2326+602	IS Cas	p	50701.366	0.005	+0.056	10 HP	
34645			p	50747.384	0.007	+0.037	6 HP	
34646	0048+585	KL Cas	p	50755.323	0.008	-0.013	6 KL	
34647			p	50755.332	0.006	-0.004	10 HP	
34648	0242+630	LU Cas	p	<u>50708.609</u>	0.0011	+0.0969	9 RD	CCD
34649	0009+598	MS Cas	s	<u>50726.3034</u>	0.0012	+0.0321	28 EBI	CCD
34650	0045+605	OR Cas	p	50750.365	0.007	-0.010	11 HP	
34651			p	50755.362	0.007	+0.004	8 HP	
34652	2307+589 displ. secondary	PV Cas	s	<u>50778.351</u>	0.002	-0.011	12 RD	CCD;
34653	2309+534	V350 Cas	p	<u>50707.3481</u>	0.0013	+0.0011	13 RD	CCD
34654	2332+560	V359 Cas	p	50636.596	0.006	+0.084	11 JVb	
34655			p	50717.475	0.010	+0.123	16 JVb	

34656	2332+556	V360 Cas	p	50696.429	0.005	-0.104	9	HP	
34657	0049+501	V364 Cas	s	50701.370	0.005	-0.022	7	HP	
34658			s	50752.291	0.007	-0.022	7	HP	
34659			s	50755.377	0.008	-0.022	9	HP	
34660	2354+558	V374 Cas	p	50710.363	0.004	+0.011	6	HP	
34661			p	<u>50755.2926</u>	0.0011	<u>+0.0138</u>	12	RD	CCD
34662			p	50755.307	0.008	+0.028	7	HP	
34663	2354+627	V375 Cas	p	50718.365	0.005	+0.014	11	HP	
34664			p	50752.267	0.008	+0.028	7	HP	
34665	0111+487	V389 Cas	p	50668.557	0.009	+0.115	13	AD	
34666			p	50713.469	0.005	+0.121	20	AD	
34667	2339+556	V520 Cas	p	<u>50774.3444</u>	0.0004	<u>-0.1151</u>	42	EBI	CCD
34668	0037+499	V523 Cas	p	50700.465	0.005	+0.031	7	HP	
34669			p	50727.348	0.004	+0.040	8	MKo	
34670			p	50753.285	0.006	+0.037	6	HP	
34671			s	50759.703	0.004	+0.029	4	KL	
34672	0230+631	V541 Cas	p	50715.364	0.005	+0.018	7	HP	elem.

34673	2145+570	SU Cep	p	50699.361	0.004	+0.010	7	HP	
34674			p	50727.314	0.006	+0.020	8	HP	
34675			p	50754.339	0.007	+0.003	8	HP	
34676			p	50782.284	0.007	+0.004	8	HP	
34677	2320+650	CM Cep	p	<u>50719.4736</u>	<u>0.0008</u>	<u>-0.0289</u>	15	RD	CCD
34678		b p		50747.364	0.007	-0.022	11	HP	
34679	0051+776	CO Cep	s	<u>50726.5488</u>	<u>0.0007</u>	<u>+0.0514</u>	11	RD	CCD;
	displ. secondary								
34680	2157+607	DK Cep	p	50747.347	0.007	+0.041	11	HP	
34681	2211+557	DN Cep	p	50715.350	0.004	+0.050	8	HP	
34682	2127+649	GI Cep	p	50699.383	0.005	-0.018	6	HP	
34683			p	50727.401	0.007	-0.017	6	HP	
34684	2024+614	HI Cep	p	50699.372	0.005	+0.017	8	HP	elem.
	BBSAG Bull. 114, 12								
34685			p	50720.399	0.007	+0.009	8	KL	
34686			p	50727.403	0.007	+0.001	12	HP	
34687			p	50727.421	0.004	+0.019	12	MK _o	
34688	2109+575	IO Cep	p	<u>50676.437</u>	<u>0.003</u>	<u>-0.009</u>	35	APs	CCD
34689			p	50702.396	0.005	-0.002	11	HP	
34690			p	50754.286	0.007	-0.016	8	HP	

34691			p	50754.293	0.005	-0.008	6	KL	
34692	2202+552	IW Cep	p	<u>50771.2827</u>		0.0018	+0.0009	11	
RD	CCD								
34693	2134+656	PX Cep	p	50751.346	0.008	-0.008	5	KL	elem.
IBVS No. 4373									
34694	0220+809	V358 Cep	p	50747.590	0.006	0.027	5	KL	elem.
BBSAG Bull. 96, 10									
34695	0246+015	SS Cet	p	50790.357	0.003	-0.001	9	KL	
34696	0146-211	TW Cet	s	50751.398	0.005	-0.019	6	KL	
34697	0147-198	VY Cet	s	50754.369	0.004	-0.012	5	KL	
34698	1230+269	RW Com	p	<u>50487.690</u>	0.003	-0.019	22	APs	CCD
34699	1604+274	TW CrB	p	50696.367	0.004	+0.017	8	HP	
34700	1205-128	W Crv	p	50792.675	0.004	+0.003	7	KL	
34701	2021+730	UW Cyg	p	50719.304	0.005	+0.028	14	HP	
34702			p	50750.361	0.006	+0.028	14	HP	
34703	2002+414	WW Cyg	p	50699.480	0.004	+0.015	10	HP	
34704			p	50699.481	0.003	+0.016	6	KL	

34705	2051+386	WZ Cyg	p	50671.451	0.003	+0.063	7	MKo	
34706			p	50716.444	0.005	+0.053	10	HP	
34707			p	50750.348	0.005	+0.058	9	HP	
34708			p	50767.281	0.005	+0.041	6	KL	
34709			p	50774.313	0.007	+0.060	8	HP	
34710			p	50812.286	0.006	+0.042	6	HP	
34711	2022+467	ZZ Cyg	p	50699.376	0.004	-0.018	7	HP	
34712			p	50750.287	0.006	-0.025	9	HP	
34713			p	50755.313	0.006	-0.028	9	HP	
34714			p	50767.257	0.006	-0.027	6	KL	
34715			p	50782.348	0.008	-0.023	8	HP	
34716	2111+305	AE Cyg	p	50715.367	0.004	-0.002	8	HP	
34717			p	50747.349	0.006	-0.003	10	HP	
34718			p	50782.232	0.006	-0.011	7	HP	
34719	2056+349	CG Cyg	p	50671.464	0.006	+0.041	8	MKo	
34720			p	50702.388	0.005	+0.038	11	HP	
34721			p	50731.426	0.005	+0.044	7	HP	
34722			p	50755.399	0.007	+0.034	8	HP	
34723	2156+523	DO Cyg	p	50696.418	0.005	-0.002	8	HP	
34724	2156+467	GV Cyg	p	<u>50717.3692</u>	<u>0.0007</u>	<u>-0.2738</u>	14	RD	CCD

34725	2013+366	KV Cyg	p	50752.358	0.008	+0.034	11 HP	
34726	1954+375	PV Cyg	p	<u>50741.2881</u>	<u>0.0012</u>	<u>+0.1900</u>	12 RD	CCD;
see note p. 10								
34727	1941+326	V370 Cyg	p	50700.469	0.005	-0.004	9 HP	
34728			p	50752.350	0.008	-0.018	10 HP	
34729	2113+372	V387 Cyg	p	50716.394	0.004	+0.011	10 HP	
34730			p	50750.349	0.006	+0.014	11 HP	
34731			p	50782.365	0.007	0.000	8 HP	
34732	2026+381	V445 Cyg	p	50700.455	0.004	+0.197	9 HP	
034733			p	9 HP	p	50702.405	0.005	+0.199
34734			p	50782.267	0.008	+0.204	10 HP	
34735			p	50782.271	0.006	+0.207	6 KL	
34736	2027+389	V456 Cyg	p	50718.389	0.004	+0.027	10 HP	
34737			p	50727.308	0.006	+0.035	8 HP	
34738	1952+328	V466 Cyg	p	50666.504	0.010	-0.006	21 AD	
34739			p	50666.504	0.009	-0.006	17 MMj	
34740			p	50666.504	0.009	-0.006	17 PSu	
34741			p	50747.241:	0.007	+0.020	7 HP	

34742	2012+345	V469 Cyg	p	<u>50716.2809</u>	0.0010	-0.0696	12 RD	CCD
34743	2151+535	V680 Cyg	p	50667.416	0.007	-0.011	16 AD	
34744			p	50667.440	0.009	+0.013	17 MMj	
34745			p	50673.419	0.008	-0.004	19 AD	
34746			p	50703.401	0.004	0.000	9 HP	
34747			p	50727.410	0.006	+0.026	8 HP	
34748	1924+298	V687 Cyg	p	50750.305	0.008	+0.004	11 HP	
34749	2025+586	V728 Cyg	p	50696.383	0.006	+0.008	8 HP	
34750			p	50731.390	0.007	-0.007	8 HP	
34751			p	50762.293	0.008	-0.007	6 KL	
34752	2014+478	V787 Cyg	p	50731.313	0.006	-0.005	8 HP	
34753			p	50754.250	0.008	+0.004	5 HP	
34754	1941+375	V807 Cyg	s	<u>50778.3319</u>	0.0014	-0.1295	7 RD	CCD
34755	2033+082	TT Del	p	50713.330	0.007	-0.055	5 KL	
34756	2101+130	TY Del	p	50717.316	0.005	+0.062	7 HP	
34757			p	50755.425	0.003	+0.054	8 MKo	
34758	2025+183	XX Del	p	<u>50741.2994</u>	0.0007	-0.2794	13 RD	CCD

34759	2027+138	YY Del	p	50718.339	0.004	+0.006	7	HP	
34760	2014+155	EW Del	p	<u>50700.441</u>	0.005	-0.067	37	APs	CCD;
GCVS el. erroneous ?									
1800in3476	2014+157	EX Del		<u>50700.478</u>	0.003	+0.001	31		
				APs CCD; el. BBSAG Bull. 114, 11					
34762				<u>50702.465</u>	0.004	+0.002	22	APs	CCD
34763	2051+044	FZ Del	p	50699.411	0.003	-0.031	7	KL	
34764			p	50699.415	0.003	-0.027	6	MKo	
34765			p	50710.372	0.004	-0.036	7	MKo	
34766			p	50750.325	0.007	-0.026	8	HP	
34767	1142+725	Z Dra	p	50755.241	0.002	-0.098	6	KL	
34768	1822+588	RZ Dra	p	50699.380	0.005	+0.030	6	HP	
34769			p	50715.354	0.004	+0.028	7	HP	
34770			p	50731.336	0.006	+0.034	8	HP	
34771	1820+475	TZ Dra	p	50751.277	0.006	+0.009	8	HP	
34772	1214+651	AR Dra	p	50750.539	0.006	+0.011	5	KL	
34773	1735+686	AU Dra	s	<u>50710.284</u>	0.002	+0.088	16	EBI	CCD
34774			p	<u>50770.311</u>	0.003	+0.101	17	EBI	CCD

34775		p	<u>50774.434</u>	0.002	+0.103	18 EBI	CCD
34776		s	<u>50778.297</u>	0.002	+0.102	20 EBI	CCD
34777	0419-061	TZ Eri	p	50790.319	0.003	+0.162	9 KL
34778	0558+231	RW Gem	p	50751.547	0.004	+0.001	6 KL
34779	0647+214	AF Gem	p	<u>50541.364</u>	0.003	-0.054	25 APs CCD
34780	0627+196	CK Gem	p	<u>50390.522</u>	0.005	-0.052	28 APs CCD
34781	1737+329	SZ Her	p	50665.390	0.007	-0.017	13 AD
34782		p	50701.378	0.004	-0.024	7 HP	
34783		p	50710.384	0.003	-0.018	8 MKo	
34784		p	50751.288	0.005	-0.019	9 HP	
34785	1711+307	TU Her	p	50717.311	0.005	-0.064	6 HP
34786	1848+124	BC Her	p	50700.369	0.005	-0.302	10 HP
n34787	1848+235	GL Her	p	50699.420	0.005	+0.052	9
HP							
34788	1819+144	MT Her	p	50710.345	0.005	+0.007	10 HP
34789		p	50731.325	0.006	+0.015	9 HP	
34790		p	50754.243	0.004	+0.010	6 KL	

34791	1751+437	V338 Her	p	50696.453	0.005	+0.039	10 HP	
34792			p	50717.350	0.005	+0.044	8 HP	
34793	1604+503 IBVS No. 3946	V842 Her	s	50556.499	0.002	+0.010	14 JVB	elem.
34794	0928-187 BBSAG Bull. 83, 5	AS Hya	p	50790.582	0.003	-0.036	6 KL	elem.
34795	2228+543	TW Lac	p	50731.368	0.006	+0.124	11 HP	
34796	2238+380	VX Lac	p	50708.320	0.005	+0.020	7 HP	
34797			p	<u>50751.3013</u>	<u>0.0010</u>	<u>+0.0209</u>	12 RD	CCD
34798			p	50751.303	0.006	+0.023	9 HP	
34799	2247+447	VY Lac	p	50696.358	0.005	-0.129	8 HP	
34800			p	50751.279	0.007	-0.129	8 HP	
34801			p	50782.359	0.008	-0.137	8 HP	
34802	2225+521	AG Lac	p	<u>50748.2525</u>	<u>0.0008</u>	<u>-0.3324</u>	21 EBI	CCD
34803	2213+484	AU Lac	p	50715.346	0.004	-0.015	6 KL	
34804			p	50754.340	0.008	-0.009	10 HP	
34805	2216+542	AW Lac	p	50753.347	0.006	+0.137	9 HP	

34806	2244+565	CO Lac	p	<u>50710.3531</u>	0.0009	-0.0140	15 RD	CCD
34807	displ. secondary		s	<u>50726.5711</u>	0.0007	0.0108	12 RD	CCD;
34808			p	50696.331	0.003	-0.178	6 KL	
34809			p	50696.366	0.004	-0.142	8 HP	
34810	2221+537	EM Lac	s	<u>50747.458</u>	0.002	+0.039	24 EBI	CCD
34811	2226+534	MZ Lac	p	<u>50754.3179</u>	0.0009	+0.1214	33 EBI	CCD
34812			p	<u>50754.3185</u>	0.0013	+0.1220	16 RD	CCD
34813	2240+531	PP Lac	p	50701.413	0.004	-0.027	8	HP
34814			p	50703.420	0.004	-0.027	10 HP	
34815			p	50754.371	0.007	-0.023	8 HP	
34816	0945+335	T LMi	p	50573.411	0.003	-0.040	9 MKo	
34817	0507-149 JAAVSO 21, 111	Z Lep	p	50750.640	0.004	+0.043	6 KL	elem.
34818	1546-153	SS Lib	p	<u>50551.569</u>	0.003	+0.028	34 APs	CCD
34819	1925+415	TT Lyr	p	50739.275	0.006	+0.027	7 KL	
34820	1814+410	TZ Lyr	p	50708.321	0.005	-0.007	7 HP	
34821			p	50727.379	0.006	+0.013	6 HP	
34822			p	50754.343	0.008	+0.007	6 HP	

34823	1919+378	UZ Lyr	p	50710.327	0.004	-0.019	6	MKo	
34824			p	50710.341	0.004	-0.005	10	HP	
34825			p	50727.355	0.004	-0.012	12	MKo	
34826			p	50727.363	0.006	-0.005	8	HP	
34827	1909+365	FH Lyr	p	50727.382	0.004	+0.006	9	MKo	
34828	1914+343	NY Lyr	s	<u>50727.3349</u>	<u>0.0005</u>	<u>+0.0569</u>	29	EBI	CCD
34829	1916+271	PS Lyr	p	50696.320	0.005	+0.006	6	HP	
34830	0632+088	RW Mon	p	50747.586	0.006	-0.029	6	KL	
34831	0757-033	BO Mon	p	50750.611	0.006	-0.075	6	KL	
34832	1613-068	SW Oph	p	<u>50556.580</u>	<u>0.005</u>	<u>+0.167</u>	42	APs	CCD
34833	1724+130	AL Oph	p	<u>50670.425</u>	<u>0.005</u>	<u>-0.002</u>	24	APs	CCD;
elem. IBVS No. 4452									
34834	1758+011	V415 Oph	p	<u>50638.487</u>	<u>0.005</u>		25	APs	CCD;
no elements in GCVS									
34835	1756+135	V508 Oph	p	50702.330	0.004	+0.020	7	HP	
34836			p	50761.276	0.005	+0.007	7	KL	
34837	0608+163	EG Ori	p	<u>50502.321</u>	<u>0.004</u>	<u>-0.076</u>	40	APs	CCD

34838	0502+092	FK Ori	p	50722.674	0.007	+0.009	6	KL	
34839	0610+214	FT Ori	s	<u>50726.5519</u>	0.0015	+0.6581	14	RD	CCD;
	displ. secondary								
34840	0602+125	V343 Ori	p	<u>50381.575</u>	0.005	+0.114	38	APs	CCD
34841	0608+185	V392 Ori	p	<u>50390.626</u>	0.007	-0.009	26	APs	CCD
34842	0552-093	V640 Ori	p	50747.538	0.004	-0.064	6	KL	
34843	2327+132	TY Peg	p	50702.338	0.005	-0.155	8	HP	
34844			p	50739.416	0.009	-0.184	5	KL	
34845	2226+177	UX Peg	p	50754.309	0.008	-0.024	9	HP	
34846			p	<u>50754.326</u>	0.0007	-0.0069	13	RD	CCD
34847			p	50754.340	0.004	+0.007	6	KL	
34848	2254+329	VW Peg	p	50701.368	0.005	-0.036	8	HP	
34849	2220+160	BB Peg	p	50703.363	0.005	-0.003	10	HP	
34850			p	50753.274;	0.009	+0.020	8	HP	
34851	2250+153	BG Peg	p	50710.314	0.005	-0.818	7	HP	
34852			p	50751.340	0.008	-0.799	8	HP	
34853			p	50753.277	0.007	-0.814	9	HP	

34854	2125+047	BN Peg	p	50727.352	0.003	+0.006	10 MKo	
34855			p	50807.240	0.005	+0.005	6 KL	
34856	2128+117	BO Peg	p	50700.352	0.005	-0.022	7 HP	
34857			p	50747.374	0.006	-0.014	8 HP	
34858	2146+278	CW Peg	p	50774.402	0.006	+0.018	5 KL	
34859	2205+059	DO Peg	p	50716.365	0.006	-0.012	6 KL	
34860			p	50716.365	0.005	-0.012	10 HP	
34861			p	50750.342	0.007	-0.015	11 HP	
34862	2312+165	EY Peg	p	50782.294	0.009	-0.048	7 KL	elem.
BBSAG Bull. 105, 8								
34863	0236+419	Z Per	p	50720.375	0.003	-0.113	8 KL	
34864	0320+463	RT Per	p	50774.366	0.006	+0.041	10 HP	
34865	0407+341	RV Per	p	50720.392	0.009	-0.029	5 KL	
34866	0256+389	ST Per	p	50699.446	0.005	+0.116	13 HP	
34867			p	50752.415	0.007	+0.118	12 HP	
34868			p	50789.486	0.007	+0.112	6 KL	

34869	0405+466	XZ Per	p	50752.363	0.006	-0.045	8	HP	
34870			p	50774.244	0.007	-0.045	7	HP	
34871			p	50782.305	0.006	-0.045	10	HP	
34872	0310+459	BE Per		<u>50790.411</u>	<u>0.005</u>		5	RD	CCD;
see note p. 10									
34873	0220+577	DK Per	p	50714.411	0.005	-0.015	17	AD	elem.
IBVS No. 3875									
34874			p	50759.353	0.004	-0.017	6	KL	
34875	0256+437	IU Per	p	50700.459	0.005	+0.008	7	HP	
34876			p	50731.320	0.007	+0.016	8	HP	
34877			p	50755.312	0.008	+0.011	8	HP	
34878	0156+529	KW Per	p	50723.288	0.003	+0.020	6	KL	
34879			p	50750.286	0.006	+0.012	8	HP	
34880	0236+454	PS Per	p	<u>50721.3309</u>	<u>0.0008</u>	<u>+0.0514</u>	16	EBI	CCD
34881	0302+404	QU Per	p	<u>50812.321</u>	<u>0.003</u>	<u>-0.004</u>	8	RD	CCD;
see note p. 10									
34882	2331+076	Y Psc	p	50696.410	0.004	-0.021	6	KL	
34883			p	50696.413	0.005	-0.019	12	HP	
34884	0116+309	RV Psc	p	<u>50755.3183</u>	<u>0.0019</u>	<u>-0.0326</u>	10	RD	CCD

34885	2325+045	VZ Psc	s	<u>50715.314</u>	<u>0.002</u>	<u>0.000</u>	12 EBI	CCD;
el. ApJ Suppl. 58, 413								
34886	0811-238	XZ Pup	p	50747.629	0.008	+0.070	6 KL	
34887	2010+191	UZ Sge	p	50718.321	0.005	+0.021	8 HP	
34888	1922+163	CU Sge	p	50747.366	0.006	+0.017	8 HP	
34889			p	50755.281	0.006	+0.015	8 HP	
34890	2011+212	DK Sge	s	<u>50755.3224</u>	<u>0.0008</u>	<u>+0.1128</u>	38 EBI	CCD
34891	1905+188	DL Sge	p	50717.320	0.004	+0.097	7 HP	
34892			p	50747.316	0.008	+0.089	10 HP	
34893	1848-057	DK Sct	p	50634.512	0.005	+0.009	14 JVB	
34894	1556+173	AO Ser	p	50700.395	0.005	+0.025	8 HP	
34895	1554+224	AU Ser	p	50702.360	0.004	-0.055	6 HP	
34896			s	50727.288	0.006	-0.057	6 HP	
34897	1534+156	CC Ser	p	50702.332	0.004	-0.090	8 HP	
34898	0400+279	RW Tau	p	50792.583	0.006	-0.122	6 KL	

34899	0434+015	AC Tau	p	50761.405	0.004	+0.078	7	KL	
34900	0344+249	AH Tau	s	50761.284	0.005	-0.099	6	KL	
34901	0549+162	AM Tau	p	50790.391	0.004	-0.021	5	KL	
34902	0427+254	GW Tau	p	<u>50774.5601</u>	<u>0.0016</u>	<u>-0.0317</u>	27	EBI	CCD;
see note page 11									
34903			p	<u>50812.3971</u>	<u>0.0002</u>	<u>-0.0330</u>	63	EBI	CCD
34904			s	<u>50813.3590</u>	<u>0.0007</u>	<u>-0.0331</u>	47	EBI	CCD
34905	0128+301	V Tri	p	50752.386	0.006	+0.004	9	HP	
34906			p	50755.308	0.006	0.000	6	KL	
34907			p	50755.322	0.006	+0.014	7	HP	
34908	0157+276	X Tri	p	50703.414	0.004	-0.036	9	HP	
34909			p	50774.345	0.005	-0.026	8	HP	
34910	0210+367	RV Tri	p	50812.296	0.007	-0.012	6	HP	
34911	0238+355	ST Tri	p	<u>50770.383</u>	<u>0.0012</u>	<u>-0.0421</u>	13	EBI	CCD
34912	1334+521	UX UMa	p	50759.659	0.002	0.000	5	KL	
34913	1707+803	RT UMi	p	50571.471	0.007	+0.112	13	JVb	

34914	1402-181	AK Vir	p	50573.479	0.004	-0.037	6	HP	
34915	1324-158	BD Vir	p	<u>50571.496</u>	<u>0.005</u>	<u>+0.094</u>	44	APs	CCD
34916	1355-014	BH Vir	p	50573.471	0.002	+0.003	6	MKo	
34917	1241-084 IBVS No. 4109	HW Vir	p	50790.698	0.001	-0.002	7	KL	elem.
34918			p	50792.682	0.001	-0.002	6	KL	
34919			p	50796.652	0.001	-0.001	5	KL	
34920	2026+246	AW Vul	p	50715.308	0.005	+0.005	7	HP	
34921			p	50727.404	0.007	+0.004	10	HP	
34922	2030+246	AX Vul	p	50717.302	0.006	-0.021	10	HP	
34923			p	50721.342	0.004	-0.031	5	KL	
34924			p	50727.432	0.003	-0.015	8	MKo	
34925	2033+224	AY Vul	p	50716.401	0.006	-0.011	17	HP	
34926			p	50762.252	0.008	+0.003	7	KL	
34927			p	50774.299	0.008	-0.012	8	HP	
34928	2023+272	BE Vul	p	50710.310	0.004	+0.021	8	HP	
34929			p	50710.311	0.006	+0.021	6	MKo	
34930			p	50727.372	0.004	+0.011	13	MKo	
34931			p	50727.387	0.007	+0.025	9	HP	

34932		p	50755.321	0.006	+0.023	8	HP	
34933	1954+237	BO Vul	p	50731.359	0.007	+0.025	11	HP
34934	2023+208	BP Vul	p	50718.283	0.005	-0.014	6	HP
34935		p	50751.277	0.007	-0.005	8	HP	
34936	1935+218	BS Vul	p	50702.438	0.005	-0.006	8	HP
34937		p	50754.329	0.009	+0.004	10	HP	
34938	2020+273	BT Vul	p	<u>50727.3568</u>	<u>0.0013</u>	<u>+0.0020</u>	13	RD CCD
34939	2044+280	BU Vul	p	50718.420	0.005	+0.010	8	HP
34940		p	50750.282	0.006	+0.009	8	HP	
34941		p	50754.280	0.008	+0.023	7	HP	
34942	2023+263	CD Vul	p	50774.289	0.003	-0.011	5	KL
34943		p	50774.307	0.007	+0.008	8	HP	
34944	1945+195	CS Vul	p	<u>50722.370</u>	<u>0.003</u>	<u>+0.023</u>	9	RD CCD
34945	2011+265	DR Vul	p	<u>50722.351</u>	<u>0.003</u>	<u>+0.180</u>	16	RD CCD

Notes

PV Cyg

In an earlier note (Diethelm, BBSAG Bulletin 112, 9), we gave an identification chart for PV Cygni. By using a larger resolution for our CCD observations now, it

was found, that PV Cyg is actually the northern component of a close double. Furthermore, we determine a duration of totality of $d = 0.030^d \pm 0.003^d$.

BE Per

The GCVS contains no information on the period of the eclipsing binary BE Persei, probably because the period value given by Micaika (5.17571^d, KVBB 19) was later disputed. We will continue to observe BE Per during the upcoming season with the aim of clarifying the question of its period value.

QU Per

On our unfiltered CCD images, the star is considerably brighter (1.7 mag) than the data given in the GCVS.

R.

Diethelm

Some light curve parameters for GW Tauri from CCD observations

As far as we know, no photoelectric light curve of GW Tauri has ever been published. Our unfiltered CCD observations during four nights in December of 1997 yield a number of light curve parameters supplementing the ones mentioned in the GCVS, namely:

Δ Amplitude of primary minimum: 0.54 mag (11.18 - 11.72; GSC magnitudes)

Δ Amplitude of secondary minimum: 0.24 mag (11.18 - 11.42)

Δ Duration of totality in both minima: $0.041^d \pm 0.004^d$ ($= 0.064^p \pm 0.007^p$)

The following two Figures show the observations from which these results are deduced on identical scales. The primary minimum seems to be a transit.

E.

Blšttler