

BBSAG Bulletin 28

1

1976 July 9

61st List of Minima of Eclipsing Binaries

The following table lists 399 minima obtained visually, mainly during 1976 May and June by the observers

PA Paolo Aresi, Bologna, Italy
 RB Roland Boninsegna, Marcinelle, Belgium
 PC Paolo Carnevali, Roma, Italy
 JC Jean-Pierre Clovin, Marcinelle, Belgium
 RD Roger Diethelm, Reinach, Switzerland
 PD Philippe Doby, Wattrelos, France
 RG Robert Germann, Wald, Switzerland
 JL Jean-François Le Borgne, Brest, France
 ML Marc Le Saout, Rèze, France
 KL Kurt Locher, Grüt, Switzerland
 AM Alain Marot, Quimper, France
 HP Hermann Peter, Otelfingen, Switzerland
 EP Ennio Poretti, Arconate, Italy
 JR Joseph Remis, St. Avoird, France
 PR Philippe Ralincourt, Nantes, France
 GT Gilles Troispoux, Fleury-lès-Aubrais, France
 VT Vince Tuboly, Debrecen, Hungary

The O - C values refer to the linear elements of the GCVS 1969, disregarding improved elements in the 1971, 1974, 1976 supplements to the GCVS. Reductions were made using mainly the tracing paper method.

cur- rent no.	star	minimum or- der	JD hel 244...	O - C	ob- s n	ob- server	cur- rent no.	star	minimum or- der	JD hel 244...	O - C	ob- s n	ob- server
9983	RT And	I	2942.516	-0.010	12	KL	10004		II	2944.492	-0.038	10	KL
9984	XZ And	I	2950.588	-0.015	7	KL	10005		I	2956.402	-0.037	9	RG
9985	AB And	I	2950.553	+0.033	10	KL	10006		I	2957.416	-0.036	7	HP
9986		I	2951.549	+0.033	6	KL	10007		I	2957.416	-0.036	9	RG
9987		I	2955.522	+0.024	6	KL	10008		I	2958.436	-0.030	12	RG
9988		I	2956.523	+0.029	10	KL	10009		I	2959.442	-0.037	10	KL
9989	EP And	I	2935.544	*	6	KL	10010		I	2959.451	-0.028	8	RG
9990		II	2936.546	*	10	KL	10011	V 343 Aql	I	2936.459	-0.014	10	HP
9991		I	2937.556	*	10	KL	10012	V 346 Aql	I	2959.468	-0.014	10	RG
9992		II	2953.518	*	10	KL	10013		I	2959.470	-0.012	8	KL
9993		II	2955.539	*	6	KL	10014		I	2959.471	-0.011	9	HP
9994		II	2957.555	*	8	KL	10015	V 479 Aql	I	2956.495	+0.016	10	KL
9995	RY Aqr	I	2936.549	-0.086	14	KL	10016	V 803 Aql	I	2936.574	-0.028	11	KL
9996	CX Aqr	I	2943.584	+0.012	4	KL	10017		I	2955.544	-0.023	6	KL
9997		I	2948.588	+0.012	7	KL	10018		II	2957.514	-0.030	7	KL
9998		I	2953.587	+0.008	12	KL	10019		I	2959.490	-0.030	7	KL
9999		I	2957.482	+0.011	11	KL	10020	SU Boo	I	2905.464	+0.013	8	HP
10000	FK Aql	I	2907.555	-0.059	8	KL	10021	TU Boo	I	2900.404	+0.003	8	HP
10001	LT Aql	I	2953.512	+0.055	7	KL	10022		I	2913.383	+0.011	8	HP
10002	OO Aql	I	2926.503	-0.034	9	HP	10023		I	2922.460	+0.007	8	HP
10003		I	2934.604	-0.042	11	KL	10024		I	2947.430	+0.007	9	HP

* GCVS 1969 period erroneous, O - C according to the GCVS 1976: +0.011 +0.002 +0.002 +0.001 0.000 -0.003

cur- rent no.	star	minimum or- der	JD hel 244...	0 - C	n	ob- ser- ver	cur- rent no.	star	minimum or- der	JD hel 244...	0 - C	n	ob- ser- ver
10025		I	2958.453	+0.004	7	HP	10077		II	2900.368	-0.028	7	RG
10026	TY Boo	I	2900.379	+0.019	8	RD	10078		II	2904.373	-0.058	7	RG
10027	AC Boo	I	2904.498	-0.006	8	HP	10079		II	2904.395	-0.036	8	HP
10028		I	2905.562	0.000	7	RD	10080		II	2913.409	-0.041	7	RG
10029		II	2906.448	+0.006	8	HP	10081		I	2916.375	-0.041	7	RG
10030		I	2915.424	-0.006	9	HP	10082		I	2916.394	-0.023	7	HP
10031		II	2936.387	-0.012	8	HP	10083		II	2923.371	-0.048	8	RG
10032	AD Boo	I	2937.427	+0.035	8	RD	10084		II	2937.378	-0.043	6	RD
10033	SV Cam	I	2908.348	-0.010	6	KL	10085		II	2951.379	-0.046	8	RG
10034		I	2915.463	-0.012	8	HP	10086		I	2953.412	-0.031	10	RG
10035		I	2915.473	-0.002	6	KL	10087		I	2958.384	-0.043	8	RG
10036	AL Cam	I	2913.420	+0.011	11	KL	10088	RZ Com	II	2916.369	-0.005	8	HP
10037	WW Cnc	I	2904.356	-0.238	8	HP	10089		II	2926.507	-0.023	8	HP
10038		I	2914.395	-0.243	9	HP	10090	SS Com	I	2900.362	+0.021	8	RD
10039	WY Cnc	I	2922.385	-0.012	8	HP	10091	CC Com	I	2900.372	+0.094	7	RD
10040	YZ CVn	I	2905.499	*	13	KL	10092		II	2904.462	+0.103	8	HP
10041		I	2958.404	*	7	KL	10093		I	2913.402	+0.105	9	HP
10042	AK CMi	I	2901.345	+0.017	7	KL	10094		II	2913.504	+0.097	10	KL
10043	RZ Cas	I	2784.365	+0.004	12	PA	10095	TW CrB	I	2905.553	**	6	RD
10044		I	2839.329	-0.013	6	PD	10096	W Crv	I	2915.405	-0.005	7	KL
10045		I	2871.614	+0.001	17	AM	10097		I	2922.390	-0.004	8	HP
10046		I	2871.614	+0.001	10	PR	10098	V Crt	I	2900.390	+0.032	11	HP
10047		I	2871.619	+0.006	14	JL	10099		I	2926.370	+0.036	7	KL
10048		I	2894.322	-0.001	18	VT	10100	SW Cyg	I	2942.517	+0.212	10	KL
10049		I	2913.445	-0.002	12	GT	10101	UW Cyg	I	2927.421	-0.008	7	KL
10050		I	2913.447	0.000	14	RB	10102		I	2951.565	-0.020	7	KL
10051		I	2913.448	+0.001	9	HP	10103		I	2958.460	-0.027	6	KL
10052		I	2944.524	0.000	13	KL	10104		I	2958.467	-0.019	11	HP
10053		I	2950.499	0.000	12	JR	10105	WW Cyg	I	2942.509	+0.014	7	KL
10054		I	2950.502	+0.003	14	PR	10106	ZZ Cyg	I	2906.432	-0.035	9	HP
10055		I	2956.476	+0.001	20	AM	10107		I	2913.353	-0.028	8	KL
10056	AB Cas	I	2915.396	+0.006	9	HP	10108		I	2916.489	-0.035	11	KL
10057	IV Cas	I	2906.558	+0.073	10	KL	10109		I	2955.465	-0.033	8	HP
10058		I	2921.547	+0.086	5	KL	10110	CG Cyg	I	2937.429	-0.017	7	RD
10059		I	2926.535	+0.080	11	KL	10111	CV Cyg	I	2905.456	+0.011	6	RD
10060	U Cep	I	2943.551	+0.034	6	KL	10112	KR Cyg	I	2958.456	-0.004	8	HP
10061		I	2948.535	+0.032	10	KL	10113	MY Cyg	I	2957.417	+0.014	9	HP
10062		I	2953.523	+0.035	9	KL	10114	V401 Cyg	II	2922.417	+0.035	9	HP
10063	VW Cep	I	2897.496	-0.075	17	PR	10115		I	2935.531	+0.037	10	HP
10064		II	2898.478	-0.067	12	PR	10116	V456 Cyg	I	2936.474	+0.020	9	HP
10065		II	2915.470	-0.052	9	PR	10117	V477 Cyg	I	2905.466	-0.010	8	HP
10066		I	2919.475	-0.083	18	PR	10118		I	2959.438	-0.019	8	HP
10067		I	2921.426	-0.080	16	PR	10119		I	2959.447	-0.010	12	RG
10068		I	2931.449	-0.076	16	PR	10120	V548 Cyg	I	2956.371	-0.035	8	RG
10069		I	2936.446	-0.089	13	JR	10121	V728 Cyg	I	2958.464	+0.060	12	HP
10070		II	2945.497	-0.083	15	PR	10122	TT Del	I	2935.522	+0.043	11	HP
10071		II	2950.502	-0.088	12	JR	10123	TY Del	I	2953.482	-0.001	9	HP
10072		II	2950.514	-0.076	14	PR	10124	AV Del	I	2953.515	-0.004	7	KL
10073		I	2953.416	-0.097	8	JR	10125	FZ Del	I	2953.464	-0.006	8	HP
10074		II	2957.452	-0.096	9	JR	10126	Z Dra	I	2906.534	+0.002	10	KL
10075	EG Cep	I	2906.456	+0.019	9	HP	10127		I	2936.394	-0.002	9	HP
10076	RW Com	II	2900.353	-0.043	5	RD	10128		I	2955.402	+0.003	6	KL

* no period given by the GCVS, 0 - C according to the elements of BBSAG Bulletin 27, p.7: -0.002 +0.006

** not contained in the GCVS 1969, 0 - C according to the GCVS 1976: -0.004

cur- rent no.	star	minimum or- der	JD hel 244...	O - C	n	ob- ser- ver	cur- rent no.	star	minimum or- der	JD hel 244...	O - C	n	ob- ser- ver
10129		I	2959.475	+0.002	10	KL	10180	SW Lac	I	2922.551	+0.087	12	KL
10130	RZ Dra	I	2905.585	+0.018	6	RD	10181		II	2935.536	-0.091	14	KL
10131		I	2914.397	-0.020	11	HP	10182		II	2944.516	-0.092	10	KL
10132		I	2936.435	-0.017	9	HP	10183		II	2951.574	-0.090	10	KL
10133	TW Dra	I	2957.407	-0.042	11	RG	10184		I	2956.543	-0.092	10	KL
10134		I	2957.411	-0.038	8	HP	10185		I	2959.435	-0.086	7	RG
10135	WW Dra	I	2955.456	+0.052	8	HP	10186	TW Lac	I	2955.454	-0.076	9	HP
10136	AI Dra	I	2904.396	-0.009	5	RG	10187		I	2955.461	-0.070	6	KL
10137		I	2916.377	-0.016	7	RG	10188	VX Lac	I	2908.544	-0.063	7	KL
10138	BS Dra	*I	2958.405	+0.054	12	RG	10189	Y Leo	I	2890.431	+0.087	20	ML
10139	Z Her	I	2908.580	0.000	6	KL	10190		I	2890.436	+0.092	24	PR
10140		I	2948.513	+0.005	7	KL	10191	UU Leo	I	2901.354	-0.028	8	RG
10141	RX Her	I	2913.411	-0.007	7	RG	10192	UV Leo	I	2887.356	-0.006	7	RD
10142		II	2937.420	-0.008	10	RG	10193		I	2887.371	+0.010	8	RG
10143		II	2953.430	-0.005	11	RG	10194		I	2905.357	-0.007	7	RG
10144	SZ Her	I	2906.562	+0.028	6	KL	10195		I	2914.359	-0.006	8	KL
10145		I	2916.387	+0.036	11	RG	10196		I	2914.363	-0.002	8	HP
10146		I	2642.559	+0.029	11	KL	10197		I	2917.349	-0.016	10	PC
10147		I	2947.470	+0.031	8	HP	10198		I	2923.364	-0.002	7	RG
10148		I	2951.548	+0.019	7	KL	10199		I	2926.350	-0.017	6	RG
10149	TT Her	I	2935.524	-0.023	9	HP	10200		I	2926.362	-0.005	12	KL
10150		I	2957.413	-0.024	9	HP	10201		I	2938.366	-0.002	7	RG
10151	TU Her	I	2907.580	-0.077	7	KL	10202		I	2953.364	-0.006	7	RG
10152		I	2957.454	-0.077	10	HP	10203	VZ Leo	I	2900.442	-0.133	7	HP
10153	TX Her	I	2900.329	-0.013	7	RG	10204	AM Leo	II	2900.345	-0.027	5	RD
10154		II	2901.358	-0.014	8	RG	10205	δ Lib	I	2937.424	+0.008	10	RG
10155		II	2901.358	-0.014	21	EP	10206		I	2937.425	+0.009	8	RD
10156		I	2902.393	-0.008	18	EP	10207		I	2951.385	+0.005	9	RG
10157		II	2903.420	-0.012	24	EP	10208		I	2958.381	+0.018	9	RG
10158		II	2936.373	-0.016	8	RG	10209	BV 1627 Lib	I	2927.408	**	10	KL
10159		I	2937.411	-0.007	9	RG	10210	RY Lyn		2900.352	***	7	RD
10160		I	2937.413	-0.006	13	EP	10211			2900.394	***	9	RG
10161		I	2937.416	-0.003	7	RD	10212	RV Lyr	I	2949.511	+0.039	5	KL
10162		II	2938.418	-0.031	13	EP	10213	TT Lyr	I	2936.582	+0.005	8	KL
10163	UX Her	I	2926.510	-0.048	14	KL	10214	TZ Lyr	I	2913.422	+0.026	10	KL
10164	BC Her	I	2951.427	-0.184	9	HP	10215		I	2959.414	+0.011	10	RG
10165	CC Her	I	2900.527	+0.060	14	HP	10216		I	2959.432	+0.030	8	HP
10166		I	2900.528	+0.061	10	KL	10217	FL Lyr	I	2926.364	-0.002	7	RG
10167		I	2914.402	+0.063	10	HP	10218	HT Lyr	I	2926.447	-0.106	8	KL
10168		I	2926.536	+0.060	9	HP	10219		I	2957.472	-0.113	6	KL
10169		I	2959.484	+0.062	10	HP	10220	LZ Lyr	I	2904.458	+0.268	9	KL
10170	CT Her	I	2953.441	+0.037	11	HP	10221	PY Lyr	I	2926.447	-0.012	8	KL
10171	DH Her	I	2958.434	-0.027	8	HP	10222	RV Oph	I	2956.568	+0.002	9	KL
10172	MT Her	I	2904.413	+0.027	9	KL	10223	V 449 Oph	I	2923.555	+0.060	11	KL
10173	V 338 Her	I	2936.413	+0.099	8	HP	10224	V 501 Oph	I	2959.471	-0.002	9	HP
10174	V 342 Her	I	2937.413	+0.010	8	RD	10225	V 502 Oph	II	2895.531	-0.046	21	EP
10175		I	2948.459	-0.017	8	HP	10226	V 506 Oph	II	2957.464	+0.061	8	HP
10176	u Her	I	2902.350	+0.007	20	EP	10227	V 508 Oph	I	2922.424	+0.011	7	HP
10177		I	2904.391	-0.003	12	EP	10228		II	2922.604	+0.019	9	KL
10178		I	2943.381	+0.017	6	JR	10229		II	2926.385	+0.008	8	RG
10179		I	2947.478	+0.013	8	JR	10230		II	2927.419	+0.007	10	KL
							10231		I	2935.518	+0.004	7	KL

* GCVS 1969 & 1974 elements identical except for doubling of period, minimum order according to 1974

** not contained in the GCVS, O - C according to Carter's elements IBVS 994: -.024

*** period unknown

current no.	star	minimum or-der	JD hel 244...	O - C	n	ob-ser-ver	current no.	star	minimum or-der	JD hel 244...	O - C	n	ob-ser-ver
10232		II	2937.420	+0.009	7	RD	10285		II	2959.449	**	8	RG
10233		I	2944.486	+0.007	7	KL	10286	AP Tau	II	2869.403	***	6	KL
10234		II	2947.424	+0.014	8	HP	10287	HU Tau	II	2847.346	-0.004	9	GT
10235		I	2951.383	+0.008	8	RG	10288	V Tri	I	2944.568	+0.017	7	KL
10236		I	2951.385	+0.010	8	HP	10289	X Tri	I	2951.571	-0.035	10	KL
10237		II	2956.386	+0.012	8	RG	10290	W Uma	I	2900.464	-0.106	30	EP
10238		II	2957.420	+0.011	9	RG	10291		I	2901.461	-0.110	33	EP
10239	V 566 Oph	I	2895.593	+0.003	20	EP	10292		I	2903.463	-0.110	30	EP
10240		II	2901.533	+0.004	25	EP	10293		I	2904.461	-0.113	31	EP
10241		II	2920.370	-0.004	25	EP	10294		I	2905.463	-0.112	32	EP
10242		I	2930.423	+0.014	27	EP	10295		I	2912.465	-0.116	36	EP
10243		II	2931.468	+0.035	16	PR	10296		I	2913.467	-0.115	44	EP
10244		I	2948.456	+0.022	14	PR	10297		I	2914.469	-0.114	44	EP
10245		I	2950.509	+0.028	12	PR	10298		I	2916.469	-0.116	42	EP
10246	V 735 Oph	I	2904.510	-0.131	9	KL	10299		I	2920.472	-0.117	18	EP
10247	V 752 Oph	I	2956.504	*	11	KL	10300		I	2920.477	-0.112	10	RB
10248	V 913 Oph	I	2935.516	-0.084	13	HP	10301		I	2920.480	-0.108	12	JC
10249		I	2935.517	-0.083	10	KL	10302		I	2921.472	-0.117	38	EP
10250	V 1010 Oph	II	2920.558	-0.056	9	PR	10303		I	2926.476	-0.119	35	EP
10251		I	2921.546	-0.061	9	EP	10304		I	2930.482	-0.116	15	EP
10252		I	2927.496	-0.064	9	GT	10305		I	2931.492	-0.107	17	PR
10253		I	2931.437	-0.092	12	GT	10306		I	2938.487	-0.118	19	EP
10254		I	2931.478	-0.051	15	PR	10307	UX UMa	I	2906.576	0.000	5	KL
10255		I	2933.434	-0.079	10	GT	10308		I	2907.562	+0.002	5	KL
10256		I	2935.423	-0.074	10	RG	10309		I	2921.525	+0.002	4	KL
10257		I	2935.434	-0.064	15	GT	10310		I	2948.468	+0.001	7	KL
10258		I	2937.401	-0.080	10	GT	10311		I	2956.532	+0.002	4	KL
10259		I	2937.408	-0.073	10	RG	10312		I	2957.515	+0.002	4	KL
10260	BY Peg	II	2937.557	+0.062	7	KL	10313	VV UMa	I	2862.356	+0.074	8	HP
10261		II	2950.558	+0.069	8	KL	10314		I	2864.420	+0.076	13	HP
10262	KW Per	I	2956.563	+0.030	6	KL	10315		I	2866.492	+0.085	11	RG
10263	XY Sgr	I	2927.435	+0.029	13	KL	10316		I	2886.410	+0.069	8	HP
10264		I	2935.508	+0.010	10	KL	10317		I	2886.424	+0.083	7	RG
10265		I	2937.539	+0.018	7	KL	10318	XZ UMa	I	2869.384	-0.086	8	RG
10266	V 505 Sgr	I	2953.424	-0.036	11	RG	10319		I	2869.411	-0.060	10	HP
10267	U Sct	I	2900.589	+0.032	10	KL	10320		I	2870.624	-0.069	6	KL
10268	AK Ser	I	2900.562	-0.013	7	KL	10321		I	2880.403	-0.069	8	HP
10269		I	2950.551	-0.011	10	KL	10322		I	2908.507	-0.077	6	KL
10270	AO Ser	I	2925.507	0.000	6	KL	10323		I	2913.393	-0.081	8	HP
10271		I	2944.520	-0.006	7	KL	10324		I	2913.394	-0.080	11	RG
10272	AS Ser	I	2937.428	-0.109	8	RD	10325		I	2935.390	-0.085	11	RG
10273	AU Ser	II	2900.331	**	7	RG	10326	ZZ UMa	I	2888.333	-0.019	8	RG
10274		I	2904.368	**	8	RG	10327		I	2904.445	-0.001	9	HP
10275		II	2905.344	**	7	RG	10328	AC UMa	I	2864.354	+0.273	8	KL
10276		I	2905.529	**	4	RD	10329		I	2953.448	+0.254	6	KL
10277		II	2913.454	**	10	HP	10330	AW UMa	II	2897.421	+0.046	21	PR
10278		I	2916.359	**	7	RG	10331		I	2898.520	+0.049	23	PR
10279		I	2926.398	**	8	RG	10332	UW Vir	I	2871.446	+0.259	7	KL
10280		I	2926.404	**	11	KL	10333		I	2900.407	+0.249	13	RG
10281		I	2938.387	**	8	RG	10334		I	2900.412	+0.255	13	HP
10282		I	2948.430	**	9	HP	10335		I	2900.414	+0.256	10	RD
10283		II	2949.403	**	8	RG							
10284		I	2953.457	**	10	HP							

* no period given by the GCVS, O-C according to the elements of BBSAG Bulletin 27, p.4, footnote *): +0.002

** GCVS 1969 period too inaccurate for reasonable reduction, O-C according to the GCVS 1974: +0.012 -0.008 +0.001 -0.007: -0.006 +0.001 -0.009 -0.003 -0.002 -0.008 -0.001 -0.006 -0.004

*** GCVS 1969 elements incomplete. O-C according to the GCVS 1976: -0.052

current no.	star	minimum or-der	JD hel 244...	O - C	n	ob-serve	current no.	star	minimum or-der	JD hel 244...	O - C	n	ob-serve
10336	VV Vir	I	2926.485	+0.001	10	KL	10358	BF Vir	I	2884.484	-0.013	11	KL
10337		I	2927.379	+0.003	10	KL	10359		I	2886.405	-0.014	8	HP
10338		I	2955.473	-0.008	4	KL	10360		I	2900.510	-0.001	9	HP
10339	AK Vir	I	2915.392	+0.042	10	KL	10361	BH Vir	I	2874.449	-0.001	11	HP
10340	AZ Vir	II	2864.432	*	15	RG	10362		I	2878.535	+0.001	6	KL
10341		I	2866.351	*	12	RG	10363		I	2888.341	+0.005	9	RG
10342		II	2885.414	*	10	RG	10364		I	2959.407	+0.003	11	KL
10343		II	2899.395	*	9	RG	10365	Z Vul	I	2920.466	+0.006	21	EP
10344		II	2900.430	*	8	RG	10366		I	2947.478	+0.013	9	HP
10345		I	2904.468	*	9	HP	10367	XZ Vul	I	2935.571	+0.202	6	KL
10346		II	2905.343	*	7	RG	10368	AX Vul	I	2905.500	+0.010	6	KL
10347		II	2913.378	*	8	KL	10369		I	2907.523	-0.001	10	KL
10348		II	2913.392	*	9	RG	10370	BO Vul	I	2885.590	-0.067	10	KL
10349		I	2916.351	*	7	RG	10371		I	2922.562	-0.067	11	KL
10350		I	2923.351	*	7	RG	10372		I	2926.454	-0.067	11	KL
10351		II	2935.414	*	10	RG	10373		I	2926.456	-0.065	10	HP
10352		I	2938.387	*	8	RG	10374	BU Vul	I	2897.598	+0.003	10	KL
10353		II	2942.407	*	8	RG	10375		I	2913.528	+0.001	10	KL
10354		II	2949.383	*	8	RG	10376		I	2958.481	+0.003	9	HP
10355		I	2953.424	*	10	RG	10377	CD Vul	I	2947.466	-0.019	9	HP
10356		I	2953.425	*	7	HP	10378		I	2947.468	-0.017	7	KL
10357		II	2956.395	*	8	RG	10379	NO Vul	II	2956.573	**	8	KL
							10380		I	2957.491	**	7	KL

* GCVS 1969 period erroneous, O - C according to the GCVS 1976: +0.017 +0.012 +0.018 +0.013 -0.001 +0.016 +0.017 +0.010 +0.023 +0.010 +0.016 +0.016 +0.017 +0.016 -0.001 +0.019 +0.019 +0.018

** not contained in the GCVS 1969, O - C according to the GCVS 1976: +0.025 +0.015

The rough Photometric Parameters of V 752 Ophiuchi

According to the GCVS 1969/1971/1974/1976, nearly nothing is known about the light variation of this EA binary. After a preliminary estimation of the period (BBSAG Bull 24, p.4) definite elements could be given (BBSAG Bull 27, p. 4, footnote *). Meanwhile the number of my survey observations has grown sufficiently large to determine the parameters

$$\begin{aligned} | \max - \min_I | &= 1.2 \pm .2 \\ | \max - \min_{II} | &= .03 \pm .03 \\ D / p &= .10 \pm .01 \end{aligned}$$

Figure 34 shows all my observations plotted against phase :



