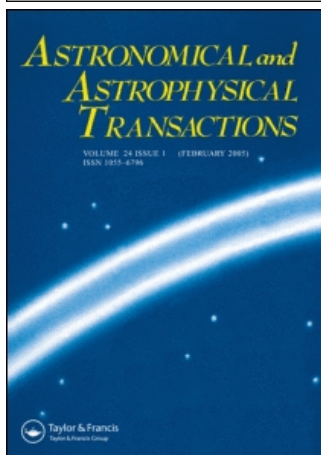


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Photoelectric observations of cepheids. III

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PHOTOELECTRIC OBSERVATIONS OF CEPHEIDS. III

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(30 August 1991)

1270 UBVR observations in the Johnson system for 56 Cepheids obtained in the 1986 season are presented.

KEY WORDS Cepheids, photometry

The observational program was carried out in 1987 at the Mt. Maidanak Observatory of the Tashkent Astronomical Institute with a 0.6-meter reflector, equipped with a photon-counting photometer. Mainly, the “all sky” method was used. A full description of the observational technique and reduction procedure can be found in Berdnikov (1986).

The observations are listed in Table 1 in alphabetical order of the constellations. The standard deviation for every magnitude and colour in the table is $\sim 0^m.01$. The light and colour curves are shown in Figures 1–9. The light elements used were taken from the fourth edition of the General Catalogue of Variable Stars (Kholopov *et al.*, 1985a, 1985b, 1987).

These results will be discussed elsewhere.

It is a pleasure to thank Dr. V. S. Shevchenko for the considerable blocks of observing time necessary to carry out these observations.

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Parts I and II of this paper can be found in *Variable Stars*, Volume 22, No 3, Page 369, 1986 and Volume 22, No 4, Page 530, 1987 respectively.

Table 1

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	U Aql					EV Aql			
6615.4520	6.793	0.909	1.264	0.945	6631.2363	11.836	-	1.611	1.337
6626.2882	6.323	0.717	1.054	0.874	6632.2655	11.874	-	1.668	1.358
6627.2710	6.513	0.797	1.142	0.927	6635.2425	11.936	-	1.713	1.352
6628.2724	6.688	0.915	1.206	0.955	6636.2708	11.997	-	1.710	1.383
6629.2748	6.843	0.914	1.240	0.999	6638.2811	12.015	-	1.768	1.379
6631.2478	6.078	0.605	0.849	0.751		FM Aql			
6632.2798	6.183	0.649	0.974	0.807	6606.2956	8.337	1.028	1.411	1.157
6635.2545	6.630	0.894	1.210	0.963	6607.3625	8.565	1.135	1.473	1.210
6636.2871	6.869	0.917	1.248	0.994	6608.3025	8.608	1.093	1.461	1.203
	EV Aql				6609.3491	8.098	0.804	1.199	1.044
6606.2889	12.208	-	1.799	1.440	6610.3358	7.978	0.827	1.185	1.024
6607.3589	12.258	-	1.765	1.428	6611.3238	8.196	0.939	1.324	1.112
6608.2992	12.279	-	1.771	1.438	6612.3231	8.354	1.018	1.400	1.167
6609.3461	12.295	-	1.765	1.442	6613.3169	8.542	1.096	1.458	1.200
6610.3316	12.292	-	1.745	1.428	6614.3265	8.630	1.109	1.467	1.213
6611.3203	12.294	-	1.761	1.411	6615.2967	8.205	0.829	1.234	1.093
6612.3196	12.267	-	1.704	1.415	6616.3076	7.960	0.804	1.179	1.020
6613.3093	12.196	1.438	1.671	1.378	6617.3043	8.165	0.927	1.313	1.101
6614.3236	12.123	-	1.608	1.366	6618.3039	8.349	1.017	1.382	1.179
6615.2943	11.997	-	1.575	1.304	6619.3086	8.528	1.088	1.451	1.202
6616.3050	11.883	-	1.500	1.291	6620.2847	8.639	1.138	1.477	1.209
6617.3021	11.747	-	1.451	1.220	6621.2800	8.268	0.872	1.279	1.097
6618.3022	11.660	-	1.388	1.211	6622.2868	7.924	0.799	1.153	1.005
6619.3031	11.585	1.039	1.341	1.196	6623.3212	8.133	0.915	1.289	1.103
6620.2802	11.565	1.061	1.386	1.168	6624.3228	8.321	-	1.380	1.151
6621.2744	11.574	1.032	1.406	1.195	6625.2629	8.508	1.097	1.436	1.211
6622.2809	11.577	1.055	1.421	1.179	6626.2816	8.609	1.132	1.477	1.209
6623.3197	11.616	-	1.444	1.220	6627.2644	8.344	0.876	1.312	1.115
6624.3216	11.621	-	1.458	1.217	6628.2647	7.901	0.824	1.137	0.995
6625.2605	11.675	-	1.448	1.273	6629.2673	8.115	0.904	1.272	1.087
6626.2729	11.679	1.197	1.484	1.267	6631.2392	8.468	1.100	1.436	1.181
6627.2563	11.701	1.199	1.545	1.277	6632.2696	8.629	1.124	1.489	1.220
6628.2614	11.744	-	1.532	1.302	6635.2469	8.063	0.872	1.260	1.058
6629.2642	11.790	-	1.545	1.338	6636.2789	8.289	1.000	1.366	1.147

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
FN Aql					V600 Aql				
6606.2997	8.416	0.836	1.227	1.041	6611.3291	9.864	1.074	1.465	1.287
6607.3668	8.296	0.815	1.173	1.001	6612.3300	9.945	1.148	1.502	1.325
6608.3058	8.113	0.783	1.099	0.966	6613.3220	10.092	1.192	1.602	1.359
6609.3516	8.150	0.807	1.171	1.005	6614.3318	10.231	1.342	1.649	1.397
6610.3379	8.262	0.909	1.241	1.047	6615.3012	10.363	1.384	1.687	1.397
6611.3265	8.414	1.013	1.328	1.096	6616.3133	10.184	1.098	1.557	1.344
6612.3248	8.581	1.066	1.386	1.142	6617.3086	9.766	0.994	1.383	1.210
6613.3197	8.682	1.097	1.389	1.147	6618.3085	9.817	1.038	1.419	1.270
6614.3281	8.636	1.016	1.344	1.126	6619.3136	9.937	1.100	1.512	1.304
6615.2985	8.469	0.860	1.260	1.064	6620.2893	10.033	1.206	1.564	1.348
6616.3096	8.353	0.813	1.199	1.015	6621.2867	10.178	1.266	1.641	1.375
6617.3062	8.199	0.788	1.135	0.977	6622.2914	10.337	1.394	1.697	1.404
6618.3057	8.150	0.783	1.131	0.992	6623.3252	10.275	-	1.593	1.378
6619.3105	8.210	0.834	1.199	1.031	6624.3258	9.869	-	1.414	1.242
6620.2863	8.340	0.960	1.275	1.076	6625.2672	9.756	-	1.376	1.234
6621.2819	8.499	1.054	1.338	1.126	6626.2866	9.902	-	1.498	1.302
6622.2886	8.619	1.088	1.401	1.143	6627.2690	9.955	1.158	1.531	1.318
6623.3234	8.677	1.080	1.382	1.138	6628.2700	10.147	-	1.593	1.375
6624.3243	8.541	-	1.294	1.091	6629.2729	10.328	-	1.669	1.407
6625.2650	8.436	0.859	1.220	1.050	6631.2453	10.011	-	1.458	1.284
6626.2838	8.280	0.810	1.171	0.998	6632.2778	9.733	-	1.369	1.216
6627.2661	8.120	0.755	1.110	0.971	6635.2520	10.106	-	1.589	1.359
6628.2671	8.142	0.817	1.161	0.991	6636.2851	10.286	-	1.652	1.411
6629.2698	8.288	0.880	1.238	1.059	V733 Aql				
6631.2424	8.573	1.072	1.372	1.140	6617.3160	10.201	0.746	1.013	0.796
6632.2734	8.676	1.097	1.409	1.153	6618.3122	10.078	0.589	0.919	0.766
6635.2492	8.346	0.839	1.187	1.018	6619.3177	9.783	0.493	0.786	0.671
6636.2820	8.211	0.795	1.125	0.981	6620.2923	9.820	0.563	0.833	0.697
V600 Aql					6621.2892	9.951	0.652	0.923	0.747
6606.3052	10.100	1.237	1.611	1.361	6622.2953	10.051	0.695	0.990	0.775
6607.3713	10.275	1.358	1.673	1.403	6623.3275	10.175	-	1.026	0.786
6608.3090	10.366	1.382	1.652	1.414	6624.3279	10.114	-	0.942	0.768
6609.3570	10.057	1.059	1.480	1.312	6625.2688	9.829	-	0.807	0.694
6610.3413	9.716	0.957	1.347	1.210	6626.2939	9.772	-	0.821	0.674

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V733 Aql					RS Cas				
6627.2772	9.930	0.607	0.911	0.734	6613.4201	9.787	1.023	1.375	1.234
6628.2786	10.047	-	0.969	0.763	6614.4322	9.623	1.047	1.366	1.223
6629.2819	10.164	0.712	1.029	0.814	6615.3965	9.829	1.111	1.470	1.306
6631.2510	9.883	-	0.825	0.695	6616.4291	10.001	1.162	1.544	1.364
6632.2837	9.768	-	0.825	0.670	6617.3892	10.182	1.258	1.632	-
6635.2576	10.114	-	1.010	0.789	6618.4387	10.296	-	1.654	1.432
6636.2932	10.193	0.720	1.005	0.796	6620.3945	9.556	0.991	1.304	1.174
V1162 Aql					6621.4189	9.761	1.055	1.435	1.273
6608.3248	7.621	0.486	0.760	0.670	6622.4079	9.959	1.151	1.546	1.343
6610.3492	7.815	0.610	0.928	0.768	6624.4088	10.320	-	1.643	1.439
6611.3316	7.941	0.697	0.999	0.794	6625.3744	10.231	-	1.547	1.382
6613.3240	7.787	0.474	0.828	0.712	6626.4010	9.546	-	1.280	1.175
6614.3351	7.567	0.499	0.767	0.663	6627.3958	9.708	-	1.393	1.262
6616.3154	7.910	0.637	0.989	0.783	6628.4076	9.922	1.160	1.514	1.345
6617.3173	8.012	0.697	1.023	0.810	6629.3549	10.025	-	1.558	1.379
6618.3135	8.006	0.610	0.929	0.801	6631.3789	10.326	-	1.618	1.411
6619.3190	7.583	0.435	0.749	0.653	6632.4127	9.694	-	1.354	1.200
6620.2937	7.673	0.527	0.839	0.709	6636.3917	10.210	-	1.632	1.422
6621.2908	7.859	-	0.937	0.770	SW Cas				
6622.2967	7.956	0.685	1.005	0.796	6608.3982	9.457	0.709	1.035	0.911
6623.3286	8.060	0.660	0.997	0.810	6611.4089	10.007	0.995	1.289	1.079
6624.3285	7.703	-	0.797	0.697	6612.4364	9.775	0.743	1.140	0.977
6625.2700	7.617	0.493	0.797	0.685	6613.3935	9.367	0.678	0.983	0.860
6626.2906	7.763	0.588	0.928	0.736	6614.3994	9.578	0.790	1.130	0.964
6627.2740	7.939	0.657	0.980	0.790	6615.3872	9.772	0.894	1.224	1.016
6628.2748	8.074	0.716	1.014	0.794	6616.4147	9.961	1.014	1.287	1.062
6629.2774	7.900	0.514	0.894	0.743	6617.3767	9.997	0.924	1.273	1.048
6631.2535	7.726	0.550	0.856	0.743	6618.4427	9.351	-	0.985	0.863
6632.2853	7.877	0.628	0.979	0.779	6619.4437	9.497	-	1.066	0.918
6635.2598	7.565	0.468	0.775	0.643	6620.3846	9.703	0.837	1.195	0.999
6636.2896	7.684	0.525	0.834	0.701	6621.3915	9.865	0.926	1.250	1.057
RS Cas					6622.3799	10.017	0.959	1.292	1.066
6608.4305	9.680	1.033	1.383	1.252	6623.4226	9.689	-	1.114	0.959
6611.4337	10.239	-	1.648	1.412	6624.3873	9.402	-	0.985	0.870

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
SW Cas					UZ Cas				
6625.3602	9.605	-	1.119	0.964	6627.4431	11.449	-	1.179	1.009
6626.3752	9.799	0.881	1.216	1.036	6628.4430	11.660	-	1.243	1.052
6627.3724	9.951	0.975	1.267	1.058	6629.4456	11.522	-	1.119	1.002
6628.3967	9.960	0.881	1.238	1.036	6631.4280	11.391	-	1.123	1.005
6629.3438	9.376	0.676	0.975	0.863	6632.4408	11.637	-	1.224	1.057
6631.3471	9.717	0.858	1.183	1.019	6636.4347	11.578	-	1.213	1.048
6632.3954	9.919	0.953	1.259	1.061	VW Cas				
6636.3762	9.638	0.815	1.159	0.981	6620.4362	10.545	-	1.078	0.956
SY Cas					6622.4459	10.708	-	1.254	1.064
6608.4454	9.487	-	0.811	0.761	6623.4564	10.832	-	1.318	1.089
6613.4423	9.840	0.643	1.013	0.870	6624.4474	11.036	-	1.350	1.139
6614.4437	10.120	-	1.143	0.962	6625.4406	11.060	-	1.339	1.118
6615.4372	10.250	-	1.142	0.992	6626.4414	10.505	-	1.082	0.960
6616.4377	9.481	0.588	0.797	0.743	6627.4443	10.505	-	1.111	0.980
6617.4368	9.812	0.673	0.990	0.858	6628.4448	10.705	-	1.244	1.065
6620.4253	9.479	0.583	0.806	0.719	6629.4466	10.847	-	1.302	1.104
6621.4370	9.781	0.635	0.984	0.860	6631.4292	11.059	-	1.320	1.126
6622.4524	10.100	-	1.128	0.962	6632.4433	10.525	-	1.098	0.953
6624.4512	9.507	-	0.793	0.752	6636.4366	11.041	-	1.383	1.156
6625.4559	9.771	-	0.964	0.850	AW Cas				
6626.4512	10.063	-	1.126	0.944	6620.4448	12.188	-	1.557	1.414
6627.4559	10.243	-	1.150	0.980	6622.4417	12.181	-	1.561	1.371
6628.4546	9.534	0.586	0.822	0.754	6623.4496	11.763	-	1.330	1.260
6629.4600	9.733	-	0.932	0.853	6624.4442	12.116	-	1.530	1.419
6631.4438	10.241	0.748	1.155	0.992	6625.4368	12.321	-	1.594	1.433
6632.4555	9.620	-	0.850	0.762	6626.4378	12.354	-	1.580	1.426
6636.4536	9.712	0.591	0.896	0.803	6627.4416	11.674	-	1.299	1.235
UZ Cas					6628.4408	12.004	-	1.496	1.351
6620.4401	11.773	-	1.227	1.089	6629.4439	12.251	-	1.609	1.436
6622.4435	11.256	-	1.100	0.942	6631.4268	11.648	-	1.263	1.209
6623.4531	11.510	-	1.173	1.043	6632.4379	11.939	-	1.428	1.323
6624.4457	11.726	-	1.230	1.084	6636.4327	11.836	-	1.392	1.287
6625.4390	11.210	-	0.951	0.882	CE Cas				
6626.4399	11.138	-	1.028	0.896	6608.4382	10.026	-	1.080	0.960

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
CE Cas					CF Cas				
6609.4388	10.239	0.806	1.193	1.022	6620.4546	11.224	-	1.219	1.065
6611.4494	10.252	-	1.151	1.020	6621.4248	10.861	0.712	1.070	0.974
6612.4529	10.255	-	1.140	1.008	6622.4141	11.088	-	1.224	1.064
6614.4403	10.250	-	1.208	1.037	6624.4263	11.397	-	1.340	1.135
6616.4200	10.143	-	1.097	0.980	6625.3797	11.157	-	1.198	1.034
6617.4104	10.340	-	1.211	1.052	6626.4114	10.873	-	1.099	0.970
6618.4354	10.138	-	1.137	0.985	6627.4119	11.097	-	1.252	1.078
6619.4401	10.247	-	1.184	1.013	6628.4147	11.263	-	1.318	1.111
6620.4127	10.166	-	1.124	0.997	6629.4090	11.379	-	1.347	1.128
6620.4530	10.152	-	1.115	0.987	6631.3849	10.901	-	1.098	1.013
6621.4264	10.190	-	1.173	1.002	6632.4200	11.138	-	1.241	1.087
6622.4151	10.409	0.830	1.267	1.068	6636.3967	10.928	-	1.160	0.987
6624.4274	10.215	-	1.131	1.001	CZ Cas				
6625.3787	10.044	-	1.065	0.953	6615.3984	11.547	-	1.361	1.258
6626.4128	10.263	-	1.219	1.043	6616.4312	11.800	-	1.503	1.326
6627.4131	10.468	-	1.270	1.096	6617.3929	11.973	-	1.569	1.361
6628.4161	10.348	-	1.203	1.034	6620.3963	11.394	-	1.260	1.168
6629.4103	9.989	-	1.047	0.931	6621.4211	11.640	-	1.414	1.280
6631.3876	10.320	-	1.242	1.059	6622.4098	11.819	-	1.528	-
6632.4222	10.515	-	1.296	1.093	6624.4112	12.110	-	1.567	1.382
6636.3991	10.372	-	1.266	1.078	6625.3758	11.446	-	1.240	1.172
CF Cas					6626.4026	11.469	-	1.292	1.202
6608.4398	11.210	-	1.285	1.139	6627.3976	11.716	-	1.462	1.308
6609.4417	11.339	1.005	1.345	1.125	6628.4102	11.910	-	1.527	1.365
6611.4481	10.839	-	1.071	0.953	6629.3571	12.061	-	1.575	1.382
6612.4508	11.055	-	1.172	1.072	6631.3811	11.333	-	1.227	1.136
6613.4275	11.225	-	1.305	1.105	6632.4151	11.572	-	1.374	1.242
6614.4379	11.356	-	1.336	1.136	6636.3930	11.711	-	1.407	1.234
6615.4136	11.308	-	1.264	1.105	DD Cas				
6616.4222	10.850	0.703	1.073	0.966	6608.4360	9.688	0.837	1.158	0.998
6617.4127	11.050	-	1.226	1.044	6613.4252	10.075	0.983	1.282	1.068
6618.4335	-	-	1.316	1.101	6614.4353	9.921	0.891	1.221	1.012
6619.4385	11.374	-	1.346	1.136	6615.4182	9.803	0.810	1.141	0.971
6620.4154	11.248	0.756	1.227	1.083	6616.4341	9.676	0.773	1.096	0.938

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
DD Cas					DL Cas				
6617.3959	9.640	0.753	1.123	0.959	6636.4508	8.692	0.707	1.082	0.927
6618.4372	-	-	1.187	0.988	GL Cas				
6619.4420	9.870	-	1.289	1.043	6615.4496	13.108	-	1.432	1.214
6620.3985	10.030	1.103	1.366	1.084	6620.4485	12.347	-	1.109	1.001
6621.4227	10.141	-	1.404	1.103	6621.4489	12.656	-	1.281	1.132
6622.4121	10.180	1.116	1.374	1.086	6622.4372	12.931	-	1.428	1.209
6624.4137	9.903	-	1.188	0.998	6623.4465	13.069	-	1.463	1.227
6625.3774	9.790	-	1.121	0.960	6624.4407	12.338	-	1.100	1.009
6626.4045	9.614	-	1.079	0.909	6625.4338	12.645	-	1.262	1.142
6627.3994	9.648	-	1.124	0.946	6626.4345	12.905	-	1.413	1.223
6628.4125	9.747	0.859	1.208	0.999	6627.4388	13.104	-	1.403	1.258
6629.3604	9.876	1.021	1.277	1.062	6628.4381	12.330	-	1.115	0.984
6631.3832	10.166	-	1.395	1.108	6629.4415	12.658	-	1.249	1.156
6632.4168	10.191	-	1.359	1.086	6631.4227	13.085	-	1.389	1.234
6636.3950	9.601	-	1.068	0.927	6632.4348	12.336	-	1.109	0.994
DL Cas					6636.4281	12.346	-	1.098	1.005
6608.4489	9.118	-	1.307	1.101	HK Cas				
6613.4449	8.805	0.755	1.151	0.974	6615.4430	13.931	-	0.985	0.769
6614.4461	8.855	-	1.190	1.023	6616.4444	14.598	-	1.345	0.956
6615.4392	8.987	-	1.260	1.054	6617.4484	14.271	-	1.018	0.763
6616.4401	9.130	0.953	1.318	1.086	6620.4319	13.990	-	0.875	0.842
6617.4391	9.264	1.021	1.345	1.098	6625.4436	13.929	-	0.918	0.747
6620.4275	8.708	0.719	1.060	0.932	6626.4451	14.521	-	1.298	0.970
6621.4549	8.793	-	1.128	0.984	6627.4478	14.191	-	0.957	0.798
6622.4504	8.852	-	1.195	0.999	6628.4478	14.155	-	1.191	0.822
6623.4577	8.974	-	1.264	1.050	6629.4508	14.886	-	1.317	1.016
6624.4497	9.125	-	1.304	1.101	6631.4342	14.545	-	1.195	1.006
6625.4534	9.243	-	1.343	1.100	6632.4464	14.185	-	0.855	-
6626.4500	9.216	-	1.296	1.087	6636.4427	14.551	-	1.236	0.976
6627.4537	8.943	0.771	1.161	0.998	PW Cas				
6628.4518	8.694	0.734	1.061	0.941	6608.4209	13.339	-	1.409	-
6629.4569	8.784	0.787	1.141	0.983	6611.4285	13.178	-	1.393	1.245
6631.4407	8.992	0.869	1.248	1.054	6612.4429	13.334	-	1.435	1.265
6632.4537	9.116	-	1.329	1.084	6613.3991	12.993	-	1.227	1.121

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
PW Cas					IR Cep				
6614.4049	12.903	-	1.257	1.158	6626.3565	7.701	0.551	0.860	0.748
6615.3921	13.149	-	1.393	1.242	6627.3523	7.863	0.606	0.928	0.817
6616.4248	13.362	-	1.382	1.291	6628.3666	7.793	0.562	0.890	0.775
6617.3835	12.998	-	1.253	1.136	6629.3277	7.808	0.585	0.915	0.804
6620.3899	13.347	-	1.425	1.280	6631.3266	7.757	0.588	0.887	0.780
6621.4138	12.970	0.800	1.220	1.153	6632.3447	7.935	0.598	0.954	0.817
6622.3884	12.891	0.762	1.225	1.135	6636.3586	7.978	0.623	0.998	0.837
6624.4060	13.334	-	1.441	1.255	VY Cyg				
6625.3695	13.018	0.755	1.212	1.153	6606.3766	9.352	0.876	1.204	1.061
6626.3969	12.886	-	1.254	1.147	6607.4453	9.558	0.947	1.325	1.118
6627.3925	13.143	-	1.398	1.238	6608.3445	9.735	1.054	1.381	1.177
6628.4022	13.321	-	1.457	1.267	6609.3863	9.911	1.159	1.464	1.207
6629.3511	13.010	-	1.233	1.140	6611.3539	9.736	0.897	1.294	-
6631.3578	13.134	-	1.349	1.230	6612.3754	-	0.815	1.056	0.981
6632.4071	13.359	-	1.365	1.277	6613.3498	9.350	0.862	1.166	1.029
6636.3870	13.337	-	1.441	1.302	6614.3509	9.350	0.858	1.193	1.075
IR Cep					6615.3480	9.581	0.953	1.317	1.129
6608.3744	7.868	0.612	0.940	0.819	6616.3461	9.753	1.035	1.411	1.177
6609.4293	7.731	0.562	0.861	0.766	6617.3366	9.918	1.181	1.466	1.213
6611.3863	7.823	0.575	0.898	0.793	6618.3328	10.010	1.104	1.444	1.232
6612.4204	7.804	0.597	0.914	0.812	6620.3125	9.193	0.803	1.064	0.960
6613.3734	7.931	0.584	0.940	0.824	6621.3567	9.373	0.862	1.192	1.040
6614.3844	7.748	0.585	0.887	0.789	6622.3299	9.353	0.841	1.206	1.045
6615.3713	7.956	0.615	0.962	0.825	6623.3654	9.643	-	1.347	1.154
6616.3846	7.697	0.572	0.866	0.761	6624.3587	9.783	-	1.430	1.189
6617.3578	7.971	0.610	0.985	0.847	6625.3083	9.961	-	1.455	1.232
6618.3708	7.651	0.560	0.841	0.750	6626.3351	9.969	-	1.431	1.189
6619.4513	7.971	-	0.978	0.846	6627.3292	9.611	0.872	1.244	1.084
6620.3694	7.605	0.555	0.819	0.724	6628.3061	9.213	0.801	1.088	0.966
6621.3766	7.962	0.621	0.978	0.836	6629.3024	9.397	0.833	1.185	1.058
6622.3649	7.613	0.541	0.817	0.729	6631.2848	9.668	-	1.345	1.154
6623.3923	7.934	0.625	0.972	0.835	6632.3164	9.798	-	1.427	1.184
6624.3733	7.640	0.539	0.818	0.734	6635.3544	9.549	-	1.202	1.059
6625.3446	7.912	0.608	0.935	0.833	6636.3195	9.217	0.808	1.105	0.963

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
VZ Cyg					DT Cyg				
6608.3665	9.027	0.538	0.900	0.776	6632.4630	5.870	0.348	-	0.499
6609.4231	8.667	0.535	0.779	0.680	6635.1631	5.836	0.348	0.589	0.491
6611.3796	9.102	0.673	1.026	0.836	6636.1618	5.641	0.331	0.524	0.410
6612.4011	9.269	0.726	1.062	0.865	6636.4612	5.672	0.325	0.541	0.437
6613.3675	8.907	0.503	0.838	0.736	6637.1584	5.837	0.375	0.567	0.507
6614.3790	8.676	0.524	0.791	0.699	GH Cyg				
6615.3660	8.940	0.617	0.951	0.787	6606.3315	9.577	0.784	1.175	1.024
6616.3790	9.144	0.711	1.033	0.842	6607.4276	9.740	0.893	1.239	1.082
6617.3520	9.254	0.726	1.060	0.856	6608.3341	9.770	0.907	1.276	1.104
6618.3659	8.789	0.483	0.802	0.701	6609.2264	10.020	0.978	1.384	1.185
6620.3644	8.970	0.634	0.971	0.803	6610.3582	10.184	1.039	1.443	1.218
6621.3712	9.166	0.721	1.032	0.849	6611.2313	10.295	1.023	1.450	1.224
6622.3597	9.274	0.700	1.048	0.860	6612.2177	10.157	0.944	1.336	1.186
6623.3871	8.673	0.500	0.741	0.662	6613.2176	9.656	0.806	1.153	1.034
6624.3688	8.775	0.540	0.842	0.734	6614.2193	9.605	0.855	1.160	1.033
6625.3391	9.013	0.627	0.951	0.830	6615.2187	9.738	0.858	1.235	1.078
6626.3519	9.167	-	1.050	0.843	6616.2203	9.818	0.897	1.300	1.119
6627.3464	9.260	0.675	1.041	0.847	6617.2157	10.021	1.011	1.411	1.181
6628.3608	8.642	0.495	0.730	0.656	6618.2140	10.196	1.034	1.433	1.227
6629.3222	8.786	0.542	0.855	0.724	6619.2129	10.303	1.008	1.430	1.225
6631.3188	9.196	0.710	1.047	0.851	6620.2119	10.079	0.850	1.348	1.160
6632.3365	9.242	0.657	1.020	0.840	6621.3099	9.557	0.826	1.117	0.991
6636.3513	9.226	0.723	1.081	0.857	6622.2104	9.626	0.831	1.188	1.043
DT Cyg					6623.2006	9.712	0.897	1.227	1.080
6615.1802	5.837	0.372	0.558	0.459	6624.1961	9.871	-	1.316	1.135
6616.1784	5.617	0.290	0.504	0.410	6625.1904	10.066	-	1.412	1.175
6626.1756	5.622	0.327	0.502	0.429	6626.1980	10.207	-	1.439	1.221
6627.1773	-	0.379	0.580	0.504	6627.1980	10.294	0.977	1.437	1.216
6628.1765	5.652	0.288	0.533	0.412	6628.2000	10.011	0.882	1.297	1.125
6629.1619	5.809	0.345	0.560	0.470	6629.2106	9.538	0.813	1.116	0.999
6630.1894	5.845	0.371	0.572	0.475	6630.2105	9.620	-	1.174	1.037
6631.1607	5.604	0.302	0.492	0.426	6631.1939	9.716	-	1.227	1.078
6631.4544	5.675	0.337	0.518	0.430	6632.2073	9.947	-	1.355	1.154
6632.1643	5.873	0.325	0.586	0.523	6635.2967	10.238	-	1.410	1.179

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
GH Cyg					V356 Cyg				
6636.2068	9.917	-	1.267	1.100	6611.3614	12.319	-	1.326	1.139
6637.2093	9.533	-	1.123	1.008	6612.3798	12.600	-	1.472	1.241
MW Cyg					6613.3528	12.772	-	1.478	1.251
6606.3520	9.524	1.103	1.451	1.227	6614.3544	12.702	-	1.422	1.248
6607.2729	9.718	1.248	1.503	1.280	6615.3516	12.051	0.910	1.129	1.044
6608.2162	9.838	1.265	1.538	1.267	6616.3500	12.323	-	1.296	1.151
6609.1993	9.420	0.960	1.321	1.136	6618.3361	12.740	-	1.510	1.256
6610.3896	9.198	-	1.253	1.103	6620.3167	12.047	0.896	1.136	1.038
6611.2064	9.355	1.023	1.362	1.167	6621.3599	12.292	-	1.312	1.128
6612.1944	9.545	1.137	1.434	1.246	6622.3339	12.554	1.047	1.408	1.225
6613.1940	9.709	1.212	1.504	1.267	6625.3114	12.074	0.890	1.142	1.058
6614.1970	9.849	1.293	1.531	1.290	6629.3085	12.804	-	1.426	1.274
6615.1981	9.425	0.952	1.307	1.151	6632.3212	12.524	-	1.397	1.207
6616.1988	9.193	0.930	1.239	1.103	V396 Cyg				
6617.1890	9.361	1.039	1.377	1.167	6606.3569	11.148	-	2.072	2.004
6618.1897	9.505	1.117	1.443	1.223	6607.2666	11.034	1.587	1.964	2.006
6619.1887	9.710	1.230	1.505	1.265	6608.2134	10.952	-	2.013	1.958
6620.1862	9.825	1.221	1.561	1.270	6609.1936	10.945	1.660	2.000	1.978
6621.3346	9.294	0.914	1.255	1.098	6610.3919	11.002	-	2.036	2.010
6622.1854	9.171	0.931	1.241	1.097	6611.2017	11.029	-	2.057	2.032
6623.1890	9.376	1.068	1.374	1.164	6612.1879	11.101	1.730	2.099	2.071
6624.1853	9.534	-	1.435	1.238	6613.1869	11.131	1.755	2.146	2.067
6626.1945	9.801	-	1.521	1.262	6614.1870	11.180	1.879	2.179	2.112
6627.1949	9.366	-	1.281	1.131	6615.1921	11.243	-	2.201	2.131
6628.1945	9.185	0.950	1.250	1.090	6616.1927	11.268	1.902	2.273	2.131
6629.2035	9.394	1.034	1.381	1.182	6617.1867	11.261	-	2.309	2.117
6630.2025	9.519	-	1.451	1.214	6618.1865	11.327	-	2.262	2.158
6631.1901	9.729	-	1.514	1.272	6619.1853	11.357	-	2.348	2.156
6632.2022	9.859	-	1.518	1.284	6620.1832	11.419	-	2.329	2.188
6635.2773	9.411	1.038	1.406	1.191	6621.3375	11.485	-	2.386	2.208
6636.1824	9.543	-	1.469	1.225	6622.1836	11.513	-	2.369	2.205
6637.1871	9.716	-	1.524	1.266	6623.1849	11.565	-	2.398	2.225
V356 Cyg					6624.1828	11.616	-	2.390	2.243
6606.3943	12.354	-	1.304	1.182	6625.1856	11.662	-	2.408	2.221

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V396 Cyg					V402 Cyg				
6626.1918	11.668	-	2.414	2.218	6629.2091	10.081	0.826	1.152	0.981
6627.1922	11.732	-	2.466	2.226	6631.1924	9.595	-	0.896	0.811
6628.1917	11.775	-	2.434	2.262	6632.2053	9.871	-	1.066	0.918
6629.1996	11.770	-	2.430	2.230	6635.2819	9.546	0.610	0.890	0.786
6630.2004	11.811	-	2.397	2.223	6636.1846	9.750	-	1.034	0.877
6631.1876	11.799	-	2.398	2.244	6637.1892	9.977	-	1.121	0.969
6632.1992	11.805	-	2.415	2.218	V495 Cyg				
6635.2743	11.812	-	2.336	2.207	6615.3118	10.817	1.115	1.704	1.505
6636.1792	11.787	-	2.336	2.184	6616.3256	10.823	-	1.709	1.503
6637.1851	11.663	-	2.299	2.138	6617.3261	10.472	1.085	1.599	1.399
V402 Cyg					6618.3218	10.407	1.138	1.548	1.397
6606.3463	9.912	0.762	1.115	0.944	6619.3274	10.501	1.140	1.580	1.419
6607.2805	10.073	0.833	1.149	0.971	6620.3016	10.615	1.099	1.645	1.467
6608.2226	10.066	0.758	1.099	0.945	6621.3429	10.744	-	1.695	1.491
6609.2041	9.557	0.600	0.878	0.803	6622.3047	10.834	1.076	1.706	1.513
6610.3865	9.850	-	1.079	0.909	6623.3397	10.759	-	1.653	1.485
6611.2110	10.002	0.807	1.140	0.963	6624.3344	10.426	-	1.576	1.383
6612.1967	10.151	0.830	1.147	0.995	6625.2879	10.424	-	1.548	1.410
6613.1973	9.658	0.613	0.921	0.819	6626.3095	10.514	-	1.621	1.422
6614.1993	9.703	0.668	0.992	0.875	6627.2942	10.659	-	1.653	1.479
6615.2009	9.960	0.741	1.130	0.946	6628.2882	10.776	-	1.713	1.493
6616.2011	10.093	0.825	1.175	0.963	6629.2906	10.851	-	1.698	1.514
6617.1921	9.925	0.678	1.030	0.907	6631.2696	10.430	-	1.542	1.386
6618.1938	9.597	0.634	0.912	0.836	6632.2955	10.441	-	1.568	1.399
6619.1931	9.871	0.732	1.076	0.931	6635.3238	10.799	-	1.705	1.506
6620.1894	10.039	0.844	1.150	0.977	6636.3016	10.839	-	1.684	1.489
6621.3306	10.055	0.747	1.103	0.937	V809 Cyg				
6622.1886	9.549	0.597	0.885	0.790	6606.4018	11.601	-	2.257	1.883
6623.1918	9.774	-	1.025	0.889	6607.4527	11.537	-	2.236	1.834
6624.1870	9.992	-	1.134	0.960	6608.3575	11.349	1.802	2.107	1.777
6625.1890	10.126	-	1.147	0.978	6609.3907	10.962	1.603	1.909	1.658
6626.1966	9.703	-	0.935	0.850	6610.4220	10.511	1.371	1.733	1.521
6627.1967	9.694	-	0.964	0.856	6611.3663	10.428	1.394	1.711	1.513
6628.1983	9.932	0.798	1.103	0.944	6612.3839	10.474	1.432	1.731	1.539

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V609 Cyg					V1020 Cyg				
6613.3583	10.524	1.437	1.769	1.558	6619.2093	13.499	-	1.771	1.683
6614.3596	10.574	1.481	1.810	1.601	6620.2088	13.755	-	1.868	1.800
6615.3595	10.647	1.563	1.859	1.622	6621.3138	13.957	-	1.886	1.848
6616.3549	10.687	1.579	1.937	1.643	6622.2054	14.034	-	1.933	1.830
6617.3411	10.726	1.587	1.973	1.683	6629.3994	13.596	-	1.898	1.749
6618.3412	10.790	1.711	2.002	1.721	6636.2008	13.971	-	1.941	1.841
6619.3642	10.861	-	2.064	1.749	6637.2043	14.025	-	1.923	1.793
6620.3215	10.893	-	2.093	1.759	V1033 Cyg				
6621.3637	10.937	-	2.131	1.764	6607.2870	13.031	-	1.672	1.495
6622.3426	10.984	2.029	2.147	1.785	6608.2271	13.224	-	1.759	1.556
6623.3780	11.037	-	2.178	1.819	6610.3806	13.075	-	1.634	1.460
6624.3617	11.109	-	2.202	1.833	6611.2143	12.717	-	1.494	1.389
6625.3201	11.164	-	2.191	1.858	6612.2011	13.020	-	1.672	1.516
6626.3388	11.192	-	2.226	1.855	6613.2008	13.228	-	1.718	1.548
6627.3339	11.256	2.081	2.258	1.862	6614.2028	13.380	-	1.756	1.570
6628.3396	11.325	-	2.270	1.876	6615.2037	13.190	-	1.669	1.500
6629.3146	11.341	-	2.301	1.870	6616.2043	12.750	-	1.534	1.383
6631.2877	11.401	-	2.243	1.869	6617.1978	13.005	-	1.655	1.461
6632.3270	11.419	-	2.255	1.877	6618.1975	13.231	-	1.759	1.569
6635.3582	11.620	-	2.252	1.905	6619.1961	13.396	-	1.723	1.604
6636.3254	11.631	-	2.297	1.887	6620.1937	13.153	-	1.630	1.491
V1020 Cyg					6621.3257	12.781	-	1.529	1.419
6607.3048	14.100	-	1.961	1.893	6622.1925	13.014	-	1.658	1.502
6608.2381	13.690	-	1.817	1.693	6629.3918	13.359	-	1.796	1.576
6609.2220	13.438	-	1.772	1.673	6636.1869	12.787	-	1.582	1.396
6610.3642	13.730	-	1.942	1.788	6637.1918	13.074	-	1.663	1.528
6611.2259	13.942	-	1.937	1.819	V1046 Cyg				
6612.2136	14.071	-	1.920	1.823	6606.3611	12.055	-	1.550	1.354
6613.2131	13.629	-	1.813	1.710	6607.2622	12.254	-	1.683	1.435
6614.2148	13.467	-	1.811	1.701	6608.2099	12.468	-	1.746	1.486
6615.2146	13.745	-	1.867	1.813	6609.1885	12.629	-	1.708	1.528
6616.2155	13.948	-	1.943	1.849	6610.3944	12.355	-	1.684	1.424
6617.2104	14.064	-	1.932	1.834	6611.1977	12.024	-	1.549	1.338
6618.2089	13.503	-	1.799	1.668	6612.1822	12.256	-	1.658	1.408

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V1046 Cyg					V1334 Cyg				
6613.1810	12.478	-	1.709	1.512	6632.4655	5.851	0.212	0.502	0.449
6614.1816	12.628	-	1.725	1.555	6635.1669	5.910	0.202	0.509	0.477
6615.1871	12.476	-	1.684	1.447	6636.1646	5.827	0.209	0.507	0.434
6616.1863	12.062	-	1.593	1.340	6636.4640	5.771	0.206	0.491	0.422
6617.1820	12.255	-	1.631	1.453	6637.1611	5.774	0.207	0.502	0.437
6618.1819	12.479	-	1.722	1.502	V1467 Cyg				
6619.1804	12.603	-	1.787	1.500	6606.3368	13.297	-	2.476	2.201
6620.1785	12.461	-	1.619	1.492	6607.2935	13.344	-	-	2.214
6621.3398	12.112	-	1.575	1.376	6608.2312	13.387	-	2.570	2.234
6622.1792	12.279	-	1.654	1.464	6609.2163	13.376	-	2.487	2.230
6623.1802	12.508	-	1.716	1.527	6610.3709	13.423	-	2.537	2.248
6624.1780	12.662	-	1.659	1.552	6611.2191	13.451	-	2.512	2.255
6625.1799	12.435	-	1.638	1.470	6612.2058	13.445	-	2.555	2.260
6626.1855	12.070	-	1.544	1.358	6613.2070	13.483	-	2.574	2.274
6627.1876	12.315	-	1.643	1.452	6614.2093	13.515	-	2.608	2.303
6628.1866	12.510	-	1.717	1.523	6615.2087	13.536	-	2.603	2.253
6629.1919	12.602	-	1.803	1.507	6616.2098	13.586	-	2.583	2.296
6630.1952	12.370	-	1.607	1.428	6617.2038	13.627	-	2.609	2.315
6631.1834	12.112	-	1.522	1.404	6618.2022	13.583	-	2.613	2.282
6632.1912	12.319	-	1.686	1.457	6619.2015	13.650	-	2.581	2.274
6635.2697	12.268	-	1.627	1.419	6620.1992	13.663	-	2.629	2.286
6636.1744	12.100	-	1.571	1.344	6621.3195	13.771	-	2.646	2.363
6637.1803	12.307	-	1.726	1.443	6622.1978	13.721	-	2.619	2.311
V1334 Cyg					6623.1948	13.779	-	2.608	2.332
6615.1842	5.940	0.216	0.489	0.477	6624.1899	13.796	-	-	2.318
6616.1827	5.808	0.160	0.512	0.422	6625.2798	13.887	-	2.746	2.361
6626.1802	5.803	0.230	0.453	0.436	6626.3027	13.844	-	2.714	2.292
6627.1821	5.852	0.189	0.474	0.447	6627.2870	13.925	-	2.661	2.327
6628.1801	5.934	0.220	0.488	0.476	6628.2942	13.957	-	2.627	2.311
6629.1653	5.914	0.226	0.485	0.456	6629.3787	13.986	-	2.604	2.335
6630.1921	5.781	0.219	0.492	0.426	6631.2932	14.047	-	2.573	2.343
6631.1647	5.898	0.180	0.524	0.476	6632.3746	14.099	-	2.469	2.378
6631.4574	5.924	0.179	0.541	0.470	6635.2881	13.851	-	2.448	2.275
6632.1677	5.894	0.155	0.525	0.479	6636.1920	13.762	-	2.598	2.244

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V1467 Cyg					V Lac				
6637.1982	13.564	-	2.500	2.165	6612.4332	8.645	0.543	0.812	0.729
6638.2147	13.416	-	2.345	2.103	6613.3887	8.959	0.615	0.993	0.836
BB Her					V Lac				
6606.2841	9.789	0.634	0.944	0.801	6614.3969	9.195	0.725	1.088	0.914
6607.3510	9.942	-	1.049	0.850	6615.3845	9.352	0.763	1.126	0.923
6608.2906	9.997	-	1.084	0.890	6616.4124	8.650	0.520	0.780	0.687
6609.3305	10.204	-	-	0.935	6617.3742	8.616	0.556	0.812	0.712
6610.3108	10.338	0.968	1.255	0.980	6618.4455	8.944	-	1.005	0.840
6611.3075	10.410	0.958	1.228	0.977	6619.4463	9.205	-	1.094	0.907
6612.3073	10.146	0.692	1.061	0.892	6620.3819	9.354	0.748	1.129	0.927
6613.2952	9.799	0.626	0.907	0.786	6621.3895	8.647	0.510	0.769	0.690
6614.2876	9.884	0.720	0.994	0.842	6623.4205	8.955	-	1.002	0.842
6615.2918	9.958	0.772	1.046	0.874	6624.3857	9.208	-	1.092	0.903
6616.3022	10.125	0.826	1.161	0.921	6625.3584	9.364	-	1.101	0.937
6617.2994	10.281	0.951	1.223	0.970	6626.3722	8.641	0.513	0.785	0.690
6618.2988	10.420	1.017	1.254	0.998	6627.3694	8.629	0.550	0.808	0.724
6619.2982	10.322	0.815	1.161	0.942	6628.4560	8.979	-	1.009	0.851
6620.2763	9.963	0.670	0.986	0.825	6629.3408	9.188	0.705	1.078	0.910
6621.2703	9.805	0.651	0.933	0.786	6631.3442	8.665	0.513	0.778	0.697
6622.2780	9.949	0.774	1.045	0.865	6632.3927	8.665	0.547	0.823	0.720
6623.3179	9.993	-	1.090	0.878	6636.3735	8.604	0.518	0.775	0.670
V Lac					X Lac				
6624.3198	10.204	-	1.175	0.956	6608.3930	8.358	0.571	0.893	0.779
6625.2584	10.345	-	1.232	0.980	6609.4493	8.215	-	0.859	0.755
6627.2532	10.141	-	1.084	0.881	6611.4059	8.491	0.670	1.016	0.857
6628.2577	9.792	0.628	0.908	0.780	6612.4318	8.593	0.677	1.042	0.878
6629.2608	9.880	-	1.002	0.832	6613.3873	8.529	0.607	0.982	0.839
6631.2329	10.112	-	1.135	0.921	6614.3952	8.202	0.543	0.853	0.754
6632.2605	10.256	-	1.204	0.970	6615.3829	8.276	0.590	0.890	0.770
6635.2389	9.977	-	0.987	0.836	6616.4109	8.447	0.669	0.980	0.829
6636.2669	9.814	-	0.929	0.804	6617.3722	8.563	0.685	1.036	0.865
V Lac					X Lac				
6608.3948	8.951	0.622	0.980	0.844	6618.4442	8.552	-	1.013	0.861
6609.4513	9.200	-	1.097	0.900	6619.4452	8.277	-	0.865	0.775
6611.4045	8.686	0.517	0.779	0.705	6620.3804	8.220	0.565	0.858	0.755
					6621.3881	8.347	0.616	0.947	0.801

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	X Lac					Y Lac			
6622.3765	8.514	0.657	1.019	0.850	6636.3602	9.201	0.428	0.746	0.664
6623.4190	8.590	0.704	1.040	0.864		RR Lac			
6624.3846	8.513	-	0.958	0.833	6608.3906	8.670	0.574	0.873	0.761
6625.3571	8.219	-	0.836	0.747	6609.4468	8.873	-	0.987	0.832
6626.3705	8.262	0.602	0.904	0.775	6612.4301	9.110	0.647	1.014	0.864
6627.3677	8.433	0.639	0.987	0.842	6613.3858	8.509	0.499	0.736	0.680
6628.3938	8.584	0.682	1.032	0.881	6614.3939	8.571	0.551	0.817	0.733
6629.3393	8.585	0.658	1.012	0.864	6615.3813	8.805	0.610	0.937	0.818
6631.3425	8.220	0.571	0.861	0.755	6616.4081	8.969	0.684	1.033	0.856
6632.3912	8.378	0.650	0.956	0.814	6617.3702	9.150	0.766	1.109	0.900
6636.3717	8.217	0.555	0.863	0.751	6618.4472	9.177	-	1.096	0.890
	Y Lac				6619.4475	8.736	-	0.846	0.751
6608.3807	9.259	0.489	0.839	0.715	6620.3787	8.494	0.526	0.754	0.680
6611.3869	8.858	0.397	0.644	0.588	6621.3865	8.706	0.584	0.890	0.776
6612.4222	9.183	-	0.819	0.694	6622.3745	8.891	0.617	0.995	0.833
6613.3757	9.401	0.527	0.871	0.744	6623.4172	9.085	0.755	1.088	0.889
6614.3864	9.419	0.489	0.859	0.731	6624.3835	9.230	-	1.114	0.914
6615.3724	8.786	0.386	0.584	0.550	6625.3559	9.076	-	0.977	0.861
6616.3857	9.084	0.445	0.779	0.662	6626.3687	8.445	0.508	0.725	0.652
6617.3594	9.312	0.529	0.869	0.726	6627.3656	8.602	0.545	0.836	0.736
6618.3723	9.467	0.544	0.870	0.754	6628.3922	8.837	0.624	0.957	0.829
6619.4485	8.808	-	0.584	0.557	6629.3365	8.979	0.667	1.028	0.875
6620.3706	8.983	0.422	0.705	0.627	6631.3396	9.205	0.716	1.068	0.893
6621.3776	9.254	0.495	0.844	0.705	6632.3882	8.670	0.516	0.807	0.715
6622.3662	9.428	0.526	0.882	0.741	6636.3695	9.135	0.756	1.100	0.899
6623.4066	9.154	0.425	0.725	0.636		BG Lac			
6624.3740	8.882	-	0.648	0.586	6608.3700	8.597	0.539	0.823	0.727
6625.3458	9.189	0.477	0.784	0.699	6609.4256	8.814	0.684	0.982	0.822
6626.3578	9.370	0.525	0.884	0.738	6611.3831	9.108	0.770	1.103	0.892
6627.3538	9.427	0.505	0.844	0.731	6612.4031	9.119	0.700	1.054	0.871
6628.3670	8.783	0.400	0.593	0.539	6613.3700	8.610	0.522	0.811	0.724
6629.3289	9.078	0.434	0.750	0.673	6614.3811	8.726	0.607	0.926	0.796
6631.3280	9.471	0.531	0.874	0.743	6615.3681	8.932	0.705	1.038	0.853
6632.3465	8.868	0.379	0.607	0.553	6616.3812	9.082	0.779	1.095	0.889

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
BG Lac					Y Oph				
6617.3543	9.175	0.760	1.110	0.896	6623.2305	6.123	1.170	1.454	1.221
6618.3678	8.754	0.548	0.873	0.763	6624.2316	6.171	1.210	1.478	1.255
6620.3663	8.868	0.663	1.013	0.835	6625.2297	6.257	1.239	1.504	1.276
6621.3731	9.018	0.752	1.082	0.868	6626.2226	6.311	1.269	1.524	1.284
6622.3620	9.162	0.754	1.109	0.896	6627.2211	6.357	1.263	1.528	1.284
6623.3891	8.930	0.599	0.959	0.818	6628.2214	6.356	1.283	1.534	1.278
6624.3704	8.612	-	0.833	0.733	6629.2335	6.354	1.243	1.514	1.274
6625.3414	8.804	0.631	0.944	0.826	6630.2314	-	1.227	1.474	1.256
6626.3534	8.957	-	1.062	0.865	6631.2157	6.292	1.166	1.449	1.238
6627.3488	9.119	0.776	1.095	0.889	6632.2271	6.195	1.119	1.409	1.216
6628.3629	9.135	0.712	1.062	0.868	6635.2006	5.813	1.010	1.270	1.107
6629.3244	8.618	0.530	0.821	0.730	6636.2341	5.866	1.032	1.292	1.132
6631.3223	8.919	0.690	1.030	0.849	BF Oph				
6632.3401	9.078	0.753	1.095	0.886	6607.2380	6.991	0.464	0.695	-
6636.3550	8.873	0.675	1.016	0.836	6608.2627	7.311	-	0.900	0.757
Y Oph					6609.2626	7.528	-	1.000	-
6606.2536	6.097	1.206	1.480	1.218	6610.2503	7.649	0.684	0.996	0.860
6607.2418	6.221	1.233	1.481	1.265	6611.2632	6.998	0.465	0.707	0.618
6608.2651	6.265	1.262	1.520	1.272	6612.2512	7.292	0.529	0.848	0.776
6609.2655	6.319	-	1.522	-	6613.2587	7.528	0.660	0.968	0.819
6610.2627	6.330	1.277	1.522	1.297	6614.2476	7.611	0.689	1.002	0.817
6611.2720	6.352	1.284	1.540	1.278	6615.2475	6.971	0.436	0.714	0.606
6612.2611	6.346	1.247	1.497	1.285	6616.2563	7.251	0.495	0.878	0.738
6613.2655	6.313	1.203	1.477	1.252	6617.2512	7.480	0.700	1.010	0.828
6614.2553	6.244	1.172	1.445	1.241	6618.2479	7.634	0.652	1.013	0.857
6615.2543	6.143	1.103	1.421	1.203	6619.2474	7.060	0.421	0.734	0.632
6616.2630	6.020	1.044	1.334	1.174	6620.2432	7.213	-	0.853	-
6617.2590	5.880	1.035	1.287	1.108	6621.2273	7.501	-	0.980	-
6618.2574	5.845	1.007	1.270	1.138	6622.2456	7.597	0.658	1.026	-
6619.2555	5.877	1.019	1.291	1.133	6623.2284	7.154	0.403	0.746	0.663
6619.2574	5.878	1.024	1.298	1.133	6624.2288	7.147	0.494	0.828	0.723
6620.2450	5.914	-	1.333	-	6625.2271	7.439	0.608	1.025	0.787
6621.2304	5.981	-	1.368	-	6626.2186	7.607	0.711	1.024	0.815
6622.2477	6.037	1.114	1.418	-	6627.2181	7.259	0.464	0.784	0.692

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
BF Oph					GY Sge				
6628.2183	7.186	0.521	0.833	0.708	6637.2196	10.389	-	2.420	2.031
6629.2300	7.469	0.657	0.995	0.793	6638.2257	10.404	-	2.427	2.054
6632.2307	7.162	0.480	0.792	0.731	YZ Sgr				
6635.1980	7.270	0.507	0.873	0.716	6607.3535	7.227	0.730	1.032	0.856
6636.2310	7.084	-	0.801	0.709	6609.3335	7.516	0.920	1.171	0.928
GY Sge					6610.3131	7.661	0.970	1.219	0.964
6606.3101	9.868	-	2.106	1.838	6611.3095	7.690	0.946	1.198	0.941
6607.3810	9.886	-	2.098	1.837	6612.3092	7.532	0.730	1.069	0.910
6608.3141	9.867	1.828	2.089	1.849	6613.2993	7.282	0.624	0.963	0.803
6609.2388	9.862	1.775	2.119	1.853	6614.3116	7.183	0.654	0.926	0.800
6610.3438	9.879	-	2.138	1.855	6615.2689	7.070	0.600	0.902	0.776
6611.2402	9.892	1.913	2.143	1.862	6617.2757	7.246	0.766	1.053	0.857
6612.2264	9.915	1.869	2.152	1.884	6618.2735	7.425	0.857	1.136	0.931
6613.2272	9.925	1.928	2.166	1.891	6619.2745	7.570	0.945	1.202	0.952
6614.2287	9.934	-	2.183	1.908	6620.2570	7.701	0.984	1.228	0.981
6615.2263	9.954	1.944	2.220	1.904	6621.2464	7.681	0.878	1.151	0.944
6616.2300	9.981	1.983	2.231	1.920	6622.2587	7.412	0.660	1.041	0.865
6617.2254	9.969	2.040	2.234	1.922	6623.3094	7.194	0.590	0.937	0.786
6618.2274	10.013	2.023	2.248	1.951	6624.2464	7.201	0.641	0.931	0.803
6619.2234	10.026	2.081	2.266	1.954	6625.2438	7.016	0.580	0.888	0.763
6620.2208	10.043	2.110	2.275	1.961	6626.2389	7.203	0.690	1.004	0.833
6621.3023	10.062	-	2.286	1.962	6627.2366	7.325	0.760	1.101	0.871
6622.2196	10.061	2.157	2.323	1.964	6628.2351	7.464	0.920	1.167	0.899
6623.2085	10.099	-	2.318	1.972	6629.2474	7.666	0.987	1.224	0.977
6624.2041	10.120	-	2.338	1.985	6631.2195	7.577	0.761	1.113	0.917
6625.2001	10.145	-	2.347	1.987	6632.2406	7.325	0.624	0.980	0.843
6626.2067	10.134	-	2.351	1.994	6635.2185	7.012	0.609	0.928	0.775
6627.2083	10.177	-	2.366	2.004	6636.2488	7.236	0.781	1.041	0.861
6628.2093	10.193	-	2.366	2.008	SU Sct				
6629.2215	10.204	-	2.396	2.014	6609.3402	13.262	-	0.649	0.685
6630.2206	10.211	-	2.390	2.014	6610.3187	13.931	-	1.036	0.907
6632.2182	10.294	-	2.401	2.042	6611.3144	13.613	-	0.955	0.847
6635.3096	10.344	-	2.435	2.032	6612.3127	13.273	-	0.655	0.673
6636.2186	10.373	-	2.433	2.049	6613.3037	13.961	-	0.961	0.907

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
SU Sct					EV Sct				
6614.3154	13.684	-	0.936	0.860	6631.2231	10.120	-	1.209	1.082
6615.2721	13.209	0.419	0.704	0.607	6632.2503	10.266	-	1.280	1.125
6616.2838	13.981	-	0.998	0.913	6635.2267	10.256	-	1.273	1.136
6617.2794	13.624	-	0.997	0.882	6636.2578	10.055	-	1.150	1.064
6618.2781	13.260	0.505	0.734	0.653	V367 Sct				
6619.2781	14.049	-	0.950	0.971	6606.2625	11.512	1.499	1.749	1.690
6620.2601	13.717	-	0.997	0.867	6607.3103	11.461	-	1.781	1.668
6621.2541	13.344	0.433	0.714	0.722	6608.2678	11.541	-	1.811	1.696
6622.2609	14.017	-	1.030	0.864	6609.3144	11.767	1.619	1.886	1.775
EV Sct					6610.2963	11.837	-	1.870	1.784
6606.2689	10.063	-	1.190	1.061	6611.2909	11.552	-	1.871	1.655
6607.3153	10.274	0.917	1.275	1.142	6612.2831	11.274	1.445	1.709	1.601
6608.2717	10.105	0.831	1.165	1.079	6613.2814	11.525	-	1.879	1.659
6609.3177	10.049	0.820	1.173	1.045	6614.2715	11.718	-	1.913	1.788
6610.2997	10.263	-	1.270	1.125	6615.2790	11.810	-	1.909	1.784
6611.2930	10.108	0.843	1.183	1.073	6616.2886	11.732	-	1.847	1.742
6612.2968	10.063	-	1.139	1.080	6617.2841	11.469	-	1.811	1.658
6613.2837	10.266	0.877	1.248	1.125	6618.2863	11.519	-	1.772	1.692
6614.2762	10.148	0.809	1.185	1.100	6619.2833	11.559	-	1.806	1.699
6615.2812	9.993	0.852	1.168	1.031	6620.2646	11.553	-	1.807	1.720
6616.2913	-	0.852	1.235	1.140	6621.2577	11.590	-	1.801	1.724
6617.2874	10.163	0.814	1.230	1.083	6622.2661	11.726	-	1.921	1.746
6618.2894	10.018	0.787	1.155	1.048	6623.2453	11.784	-	1.880	1.764
6619.2869	10.231	0.871	1.251	1.117	6624.2544	11.520	-	1.745	1.692
6620.2668	10.201	0.841	1.227	1.100	6625.2478	11.275	-	1.698	1.609
6621.2625	10.004	0.804	1.140	1.055	6626.2432	11.491	-	1.804	1.687
6622.2692	10.203	0.824	1.252	1.110	6627.2392	11.744	-	1.911	1.761
6623.3073	10.232	-	1.240	1.098	6628.2404	11.853	-	1.921	1.796
6624.2564	10.005	0.799	1.136	1.038	6629.2501	11.710	-	1.818	1.739
6625.2504	10.185	-	1.239	1.111	6632.2454	11.626	-	1.862	1.749
6626.2464	10.244	-	1.245	1.124	6635.2214	11.682	-	1.872	1.763
6627.2441	10.006	0.827	1.144	1.033	6636.2541	11.661	-	1.827	1.739
6628.2444	10.142	0.831	1.219	1.101	BQ Ser				
6629.2528	10.285	-	1.257	1.135	6606.2730	9.329	0.970	1.408	1.211

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
BQ Ser					S Vul				
6607.3203	9.410	1.048	1.466	1.269	6614.2250	8.721	1.439	1.718	1.425
6610.3028	9.614	1.112	1.503	1.330	6615.2247	8.721	1.429	1.718	1.424
6611.2969	9.290	1.015	1.395	1.210	6616.2275	8.727	1.447	1.720	1.419
6612.2993	9.362	1.002	1.429	1.256	6617.2236	8.688	1.472	1.724	1.412
6613.2867	9.647	1.140	1.552	1.345	6618.2227	8.717	1.468	1.724	1.445
6614.2788	9.729	1.099	1.558	1.347	6619.2216	8.723	1.501	1.735	1.438
6615.2875	9.193	1.010	1.327	1.185	6620.2191	8.726	1.483	1.751	1.443
6616.2993	9.480	1.076	1.504	1.284	6621.3044	8.735	-	1.756	1.445
6617.2964	9.674	1.141	1.578	1.332	6622.2175	8.737	1.507	1.769	1.464
6618.2956	9.572	1.119	1.510	1.309	6623.2068	8.750	1.585	1.775	1.456
6619.2959	9.494	1.064	1.465	1.277	6624.2012	8.766	1.558	1.781	1.464
6620.2742	9.358	1.019	1.418	1.237	6625.1983	8.783	-	1.780	1.478
6621.2675	9.438	1.080	1.458	1.281	6626.2044	8.767	1.687	1.800	1.477
6622.2751	9.663	1.130	1.560	1.337	6627.2068	8.794	1.632	1.821	1.485
6623.3158	9.564	-	1.488	1.287	6628.2076	8.797	1.682	1.843	1.491
6624.3181	9.223	-	1.366	1.192	6629.2196	8.809	1.644	1.858	1.507
6625.2563	9.529	-	1.509	1.305	6630.2176	8.804	-	1.859	1.507
6627.2513	9.516	-	1.450	1.288	6631.2028	8.854	1.668	1.871	1.513
6628.2535	9.390	1.053	1.442	1.242	6632.2145	8.870	1.708	1.869	1.526
6629.2588	9.482	-	1.468	1.287	6635.3056	8.896	1.766	1.915	1.542
6631.2302	9.656	-	1.539	1.327	6636.2143	8.903	1.766	1.935	1.549
6632.2580	9.419	-	1.431	1.244	6637.2162	8.952	1.791	1.921	1.573
6635.2341	9.756	1.178	1.596	1.361	6638.2230	8.931	1.810	1.947	1.559
6636.2639	9.303	-	1.376	1.216	T Vul				
S Vul					6615.4594	5.441	0.420	0.409	0.463
6605.4426	8.977	-	1.850	1.509	6616.4557	5.700	0.425	0.696	0.536
6606.3141	8.938	1.557	1.833	1.493	6617.4591	5.896	0.535	0.750	0.595
6607.3850	8.916	1.522	1.814	1.463	6618.4539	6.033	0.493	0.759	0.595
6608.3209	8.850	1.527	1.766	1.457	6619.4587	5.401	0.409	0.366	0.440
6609.2345	8.808	1.478	1.769	1.442	6620.4615	5.587	0.425	0.585	0.493
6610.3471	8.783	1.459	1.739	1.428	6621.4611	5.813	0.458	0.767	0.575
6611.2382	8.770	1.445	1.732	1.425	6622.4586	5.998	0.506	0.783	0.600
6612.2248	8.758	1.440	1.716	1.433	6623.4612	5.706	0.353	0.631	0.497
6613.2235	8.734	1.417	1.702	1.425	6624.4573	5.521	0.405	0.456	0.503

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	T Vul					U Vul			
6625.4622	5.729	0.393	0.734	0.543	6637.1626	7.259	1.073	1.425	1.217
6626.4595	5.934	0.525	0.769	0.603		X Vul			
6627.4608	6.002	0.454	0.736	0.593	6606.3256	9.062	1.284	1.619	1.327
6628.4627	5.406	0.403	0.350	0.451	6607.3940	9.222	1.369	1.637	1.332
6629.4658	5.618	0.410	0.623	0.523	6608.3297	8.967	1.119	1.493	1.248
6631.4519	6.027	0.512	0.753	0.618	6609.2291	8.439	0.960	1.278	1.094
6632.1609	5.872	0.385	0.647	0.570	6610.3541	8.639	1.037	1.412	1.188
6632.4610	5.598	0.373	0.534	0.472	6611.2343	8.813	1.156	1.517	1.246
6635.1601	5.891	0.522	0.764	0.604	6612.2204	8.974	1.239	1.569	1.309
6636.1592	6.073	0.518	0.776	0.611	6613.2193	9.163	1.358	1.608	1.334
6636.4589	5.958	0.432	0.722	0.579	6614.2211	9.181	1.303	1.575	1.332
6637.1563	5.379	0.388	0.419	0.410	6615.2207	8.583	0.990	1.319	1.124
	U Vul				6616.2230	8.566	1.007	1.354	1.139
6615.4561	7.464	1.111	1.454	1.225	6617.2185	8.709	1.138	1.481	1.207
6616.4514	7.200	0.916	1.317	1.140	6618.2175	8.884	1.185	1.527	1.291
6617.4556	6.768	0.874	1.148	1.004	6619.2166	9.120	1.349	1.610	1.336
6618.4504	6.900	0.886	1.223	1.055	6620.2148	9.215	1.359	1.627	1.344
6619.4552	6.939	0.920	1.269	1.111	6621.3078	8.761	1.033	1.387	1.177
6620.4581	7.171	1.016	1.381	1.170	6622.2132	8.466	0.987	1.300	1.107
6621.4580	7.318	1.110	1.447	1.220	6623.2024	8.684	1.085	1.420	1.209
6622.4554	7.462	1.150	1.498	1.235	6624.1975	8.861	-	1.502	1.270
6623.4579	7.454	1.108	1.443	1.217	6625.1921	9.059	-	1.589	1.322
6624.4543	7.197	0.935	1.310	1.142	6626.1992	9.177	-	1.646	1.323
6625.4587	6.770	0.816	1.155	1.001	6627.2016	9.025	1.136	1.531	1.245
6626.4554	6.879	0.923	1.221	1.068	6628.2027	8.438	0.998	1.272	1.087
6627.4570	6.955	0.902	1.265	1.098	6629.2141	8.608	1.061	1.388	1.175
6628.4587	7.179	1.013	1.379	1.189	6630.2121	8.788	1.172	1.477	1.239
6629.4619	7.328	1.138	1.445	1.221	6631.1957	8.969	1.237	1.571	1.295
6631.4484	7.481	1.095	1.430	1.232	6632.2094	9.176	-	1.638	1.338
6632.1691	7.275	0.975	1.349	1.172	6635.2981	8.557	1.023	1.362	1.146
6632.4577	7.156	0.924	1.314	1.129	6636.2084	8.755	1.109	1.491	1.234
6635.1703	6.913	0.919	1.265	1.093	6637.2110	8.873	1.222	1.544	1.277
6636.1661	7.089	0.980	1.341	1.156		SV Vul			
6636.4560	7.157	1.055	1.394	1.174	6605.4497	6.852	-	1.347	1.059

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
SV Vul									
6606.3187	6.885	1.091	1.380	1.076					
6607.3897	6.973	1.141	1.396	1.104					
6608.3241	6.969	1.184	1.429	1.119					
6609.2307	6.988	1.213	1.468	1.128					
6610.3491	7.039	1.274	1.494	1.156					
6611.2363	7.075	1.330	1.525	1.171					
6612.2222	7.124	1.336	1.549	1.205					
6613.2215	7.137	1.376	1.555	1.196					
6614.2236	7.171	1.421	1.579	1.225					
6615.2227	7.206	1.419	1.610	1.224					
6616.2257	7.251	1.473	1.621	1.238					
6617.2213	7.242	1.518	1.639	1.237					
6618.2203	7.295	1.516	1.647	1.263					
6619.2191	7.338	1.557	1.650	1.269					
6620.2170	7.349	1.569	1.671	1.263					
6621.3058	7.391	1.585	1.679	1.274					
6622.2155	7.410	1.585	1.688	1.285					
6623.2047	7.446	1.611	1.688	1.278					
6624.1994	7.479	1.623	1.699	1.288					
6625.1950	7.514	1.679	1.694	1.305					
6626.2022	7.511	1.679	1.709	1.288					
6627.2038	7.574	1.640	1.715	1.294					
6628.2049	7.584	1.674	1.718	1.302					
6629.2167	7.632	1.675	1.727	1.311					
6630.2158	7.634	1.641	1.739	1.305					
6631.2000	7.709	1.669	1.734	1.306					
6632.2119	7.742	1.647	1.733	1.318					
6635.3022	7.746	1.598	1.694	1.297					
6636.2117	7.716	1.531	1.675	1.285					
6637.2131	7.662	1.483	1.624	1.270					
6638.2195	7.557	1.354	1.573	1.216					

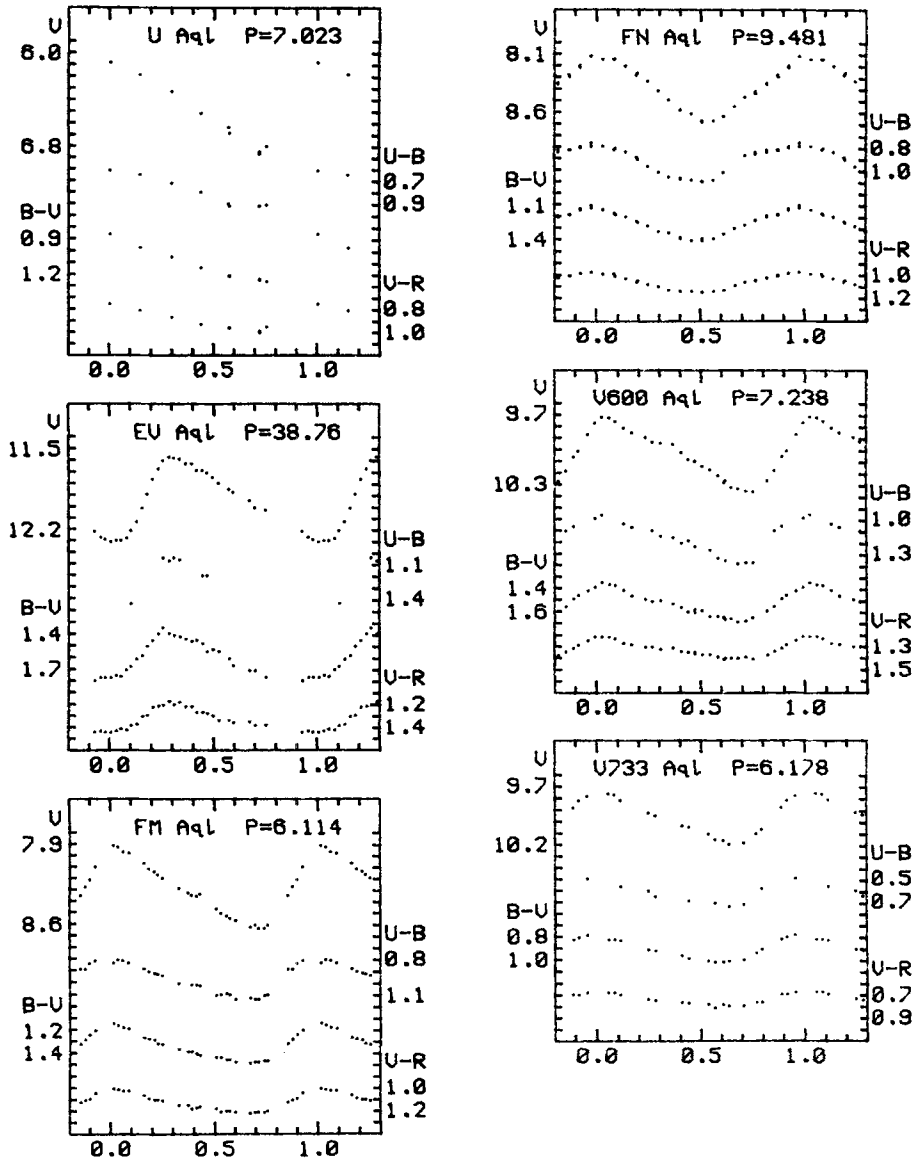


Figure 1 The light and colour curves for U Aql, EV Aql, FM Aql, FN Aql, V600 Aql and V733 Aql.

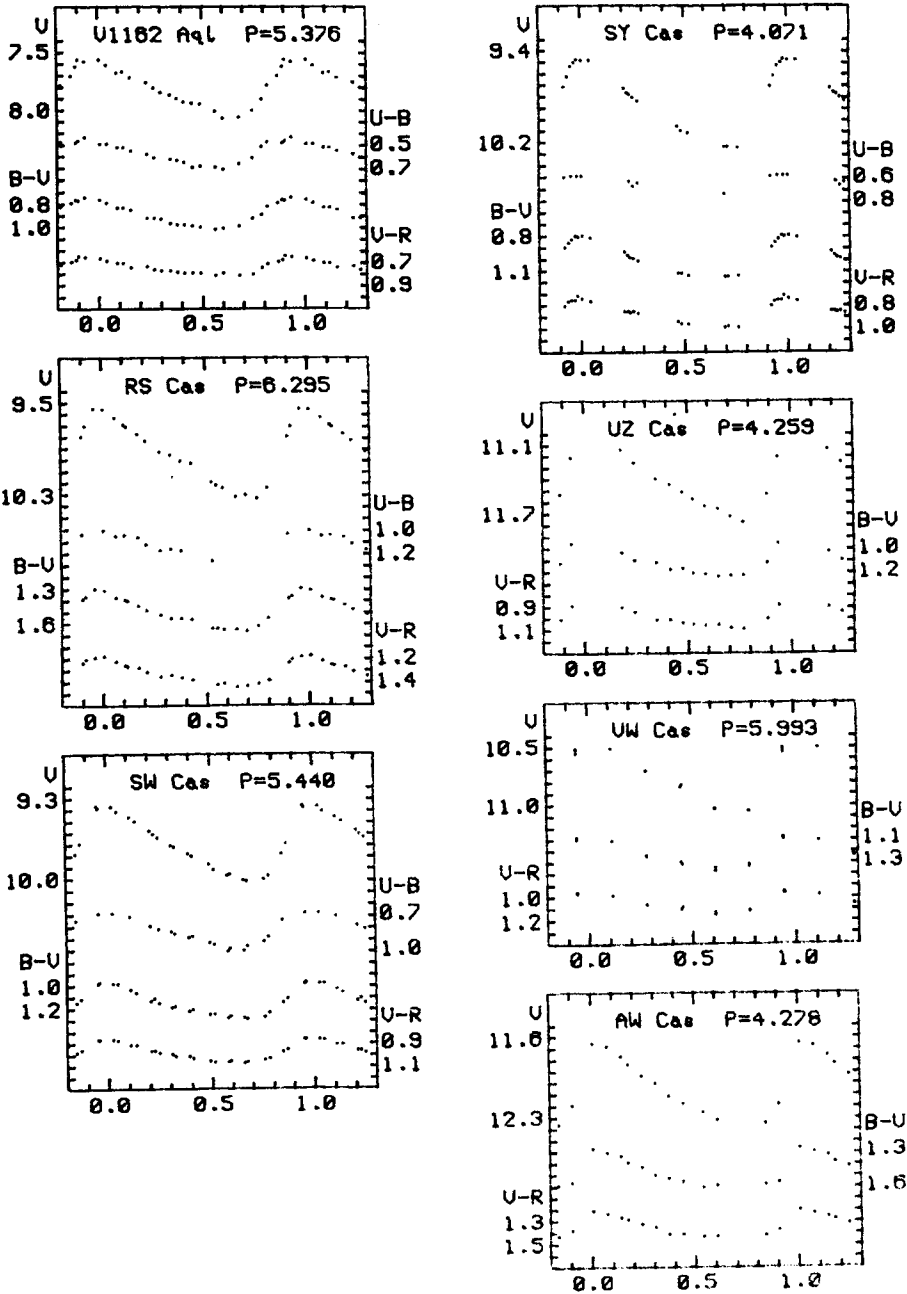


Figure 2 The light and colour curves for U1162 Aql, RS Cas, SW Cas, SY Cas, UZ Cas, VW Cas and AW Cas.

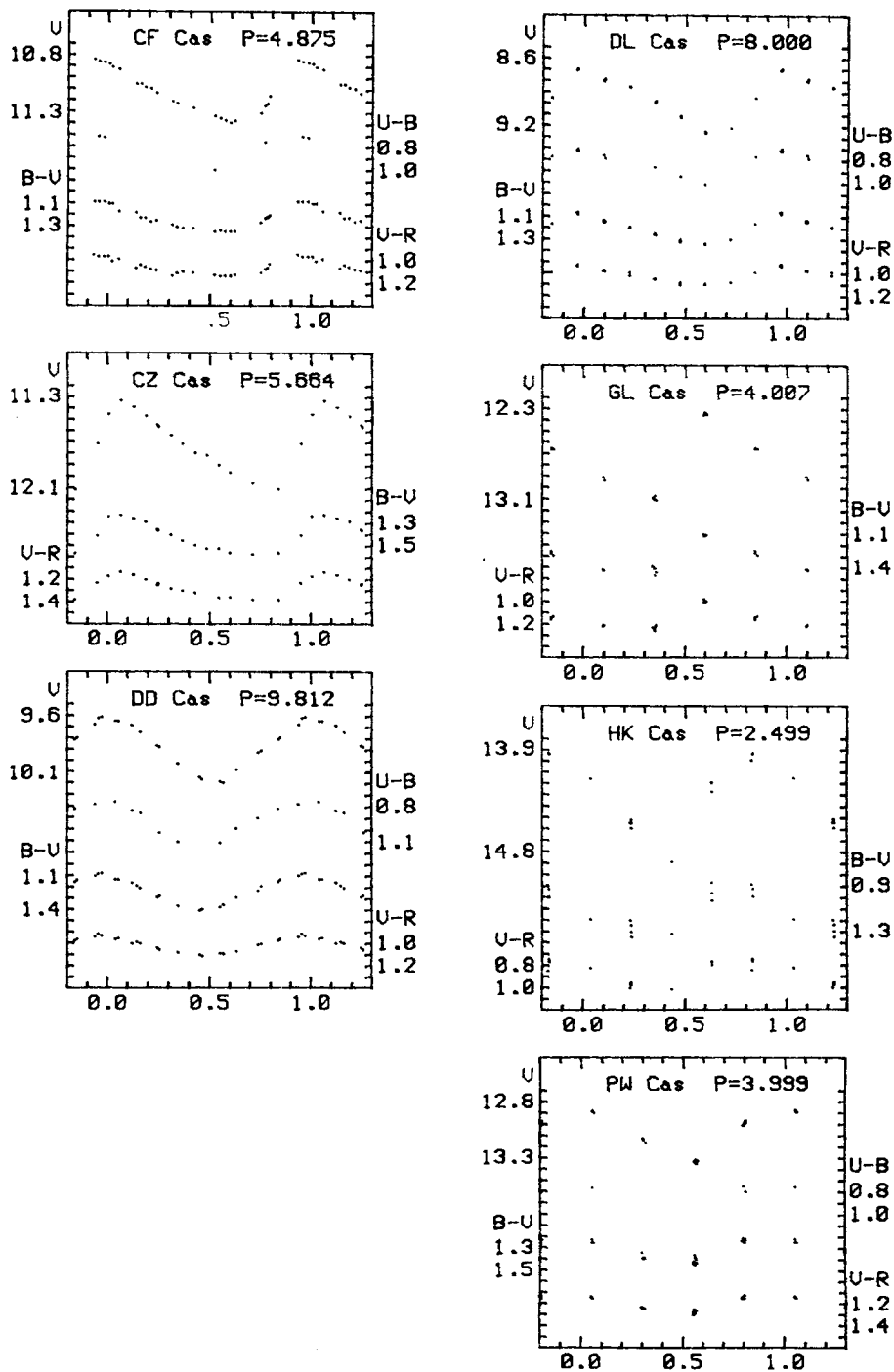


Figure 3 The light and colour curves for CF Cas, CZ Cas, DD Cas, DL Cas, GL Cas, HK Cas and PW Cas.

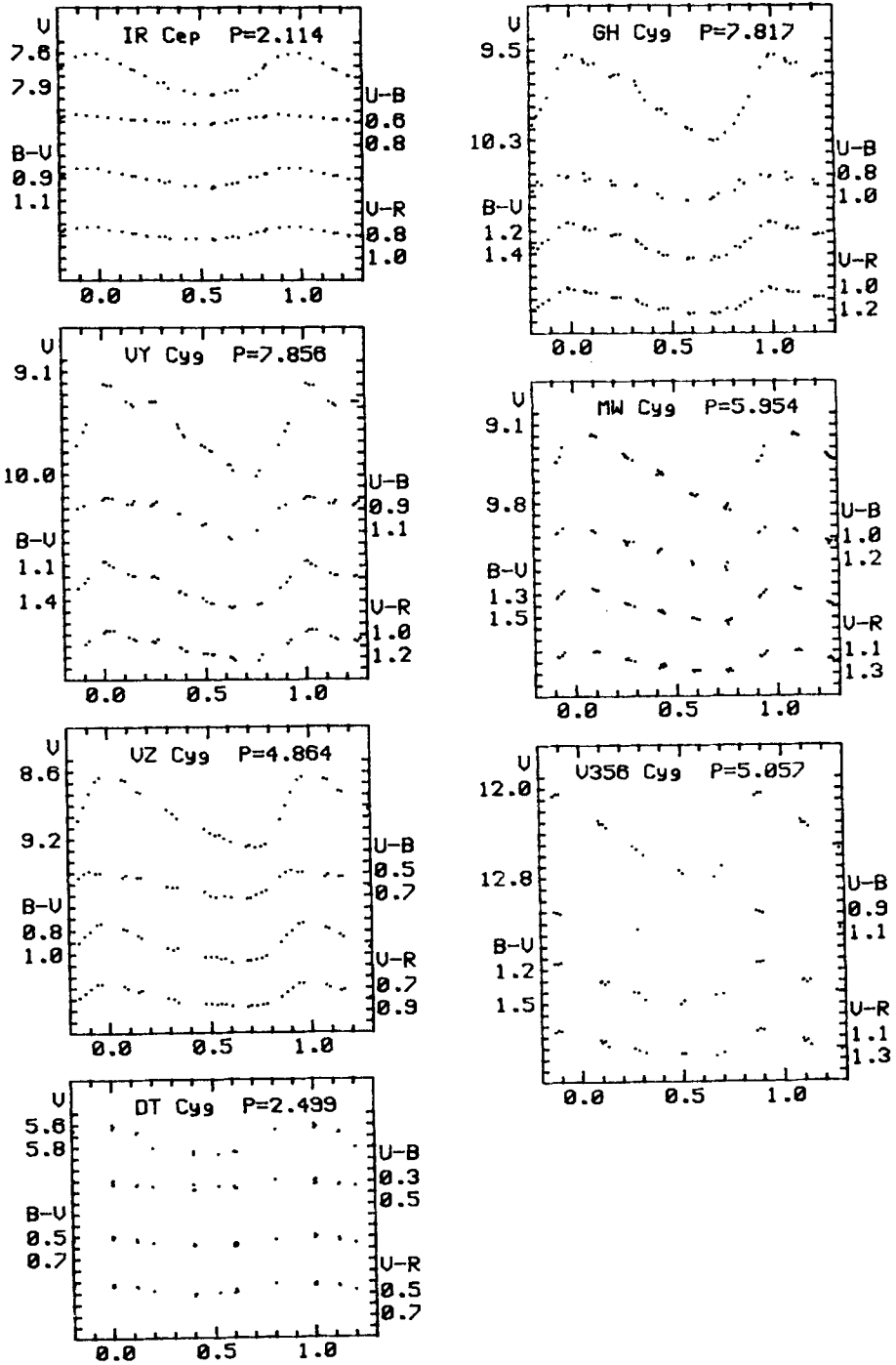


Figure 4 The light and colour curves for IR Cep, VY Cyg, VZ Cyg, DT Cyg, GH Cyg, MW Cyg and V356 Cyg.

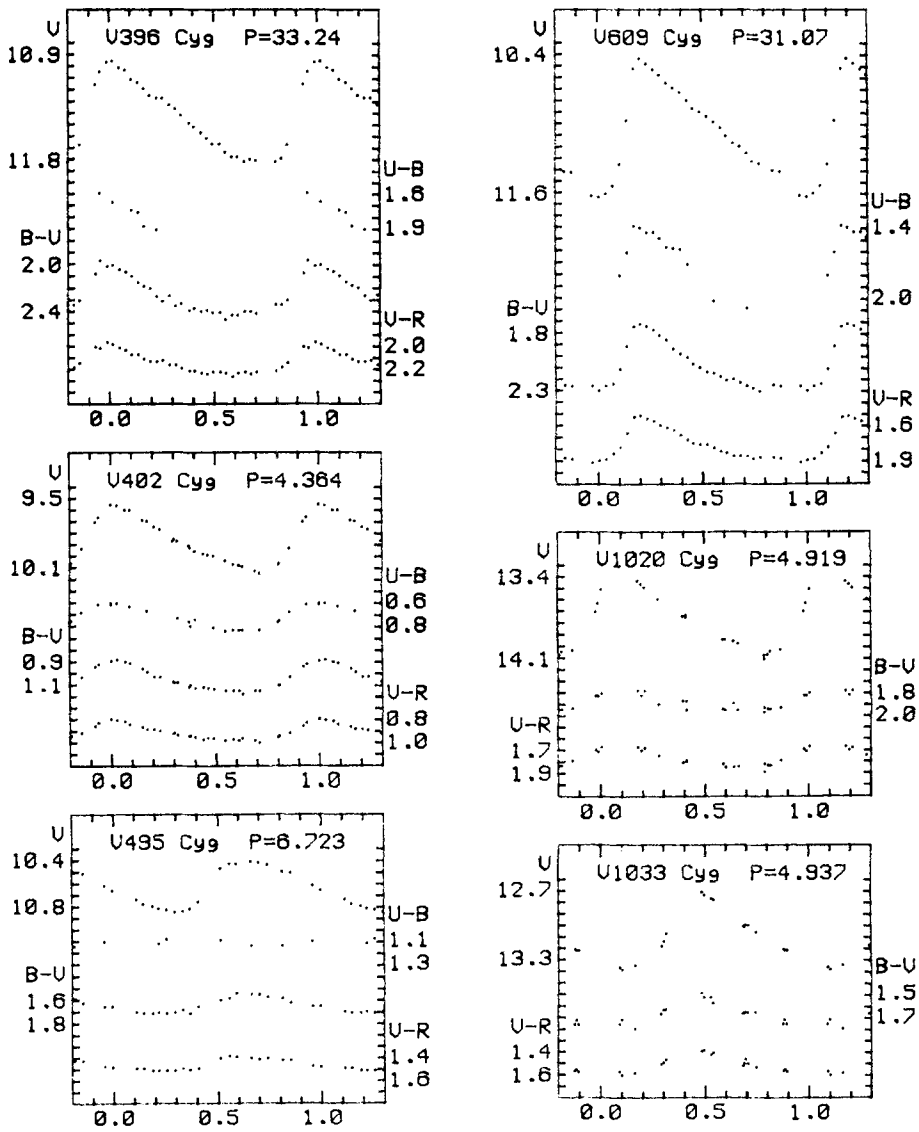


Figure 5 The light and colour curves for V396 Cyg, V402 Cyg, V495 Cyg, V609 Cyg, V1020 Cyg and V1033 Cyg.

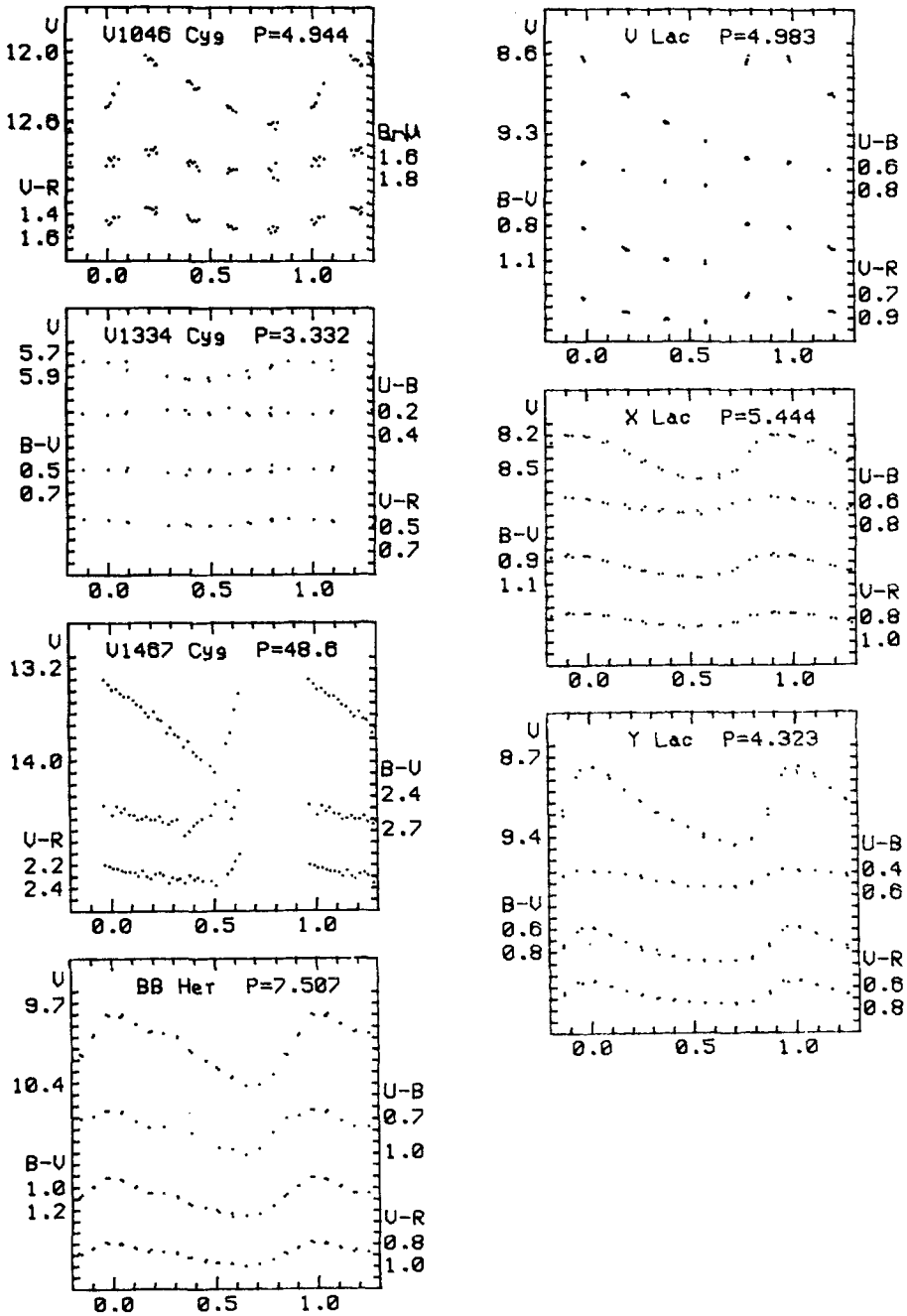


Figure 6 The light and colour curves for V1046 Cyg, V1334 Cyg, V1467 Cyg, BB Her, V Lac, X Lac and Y Lac.

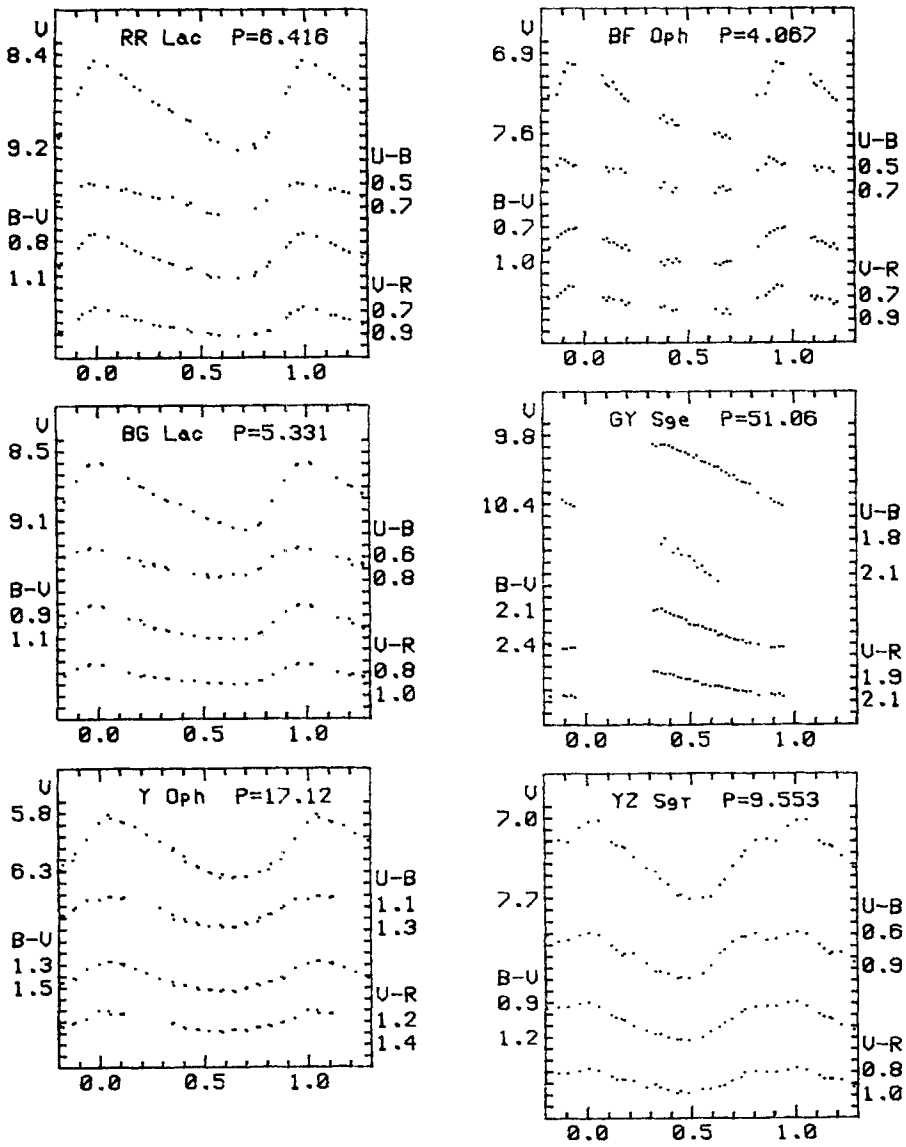


Figure 7 The light and colour curves for RR Lac, BG Lac, Y Oph, BF Oph, GY Sge and YZ Sgr.

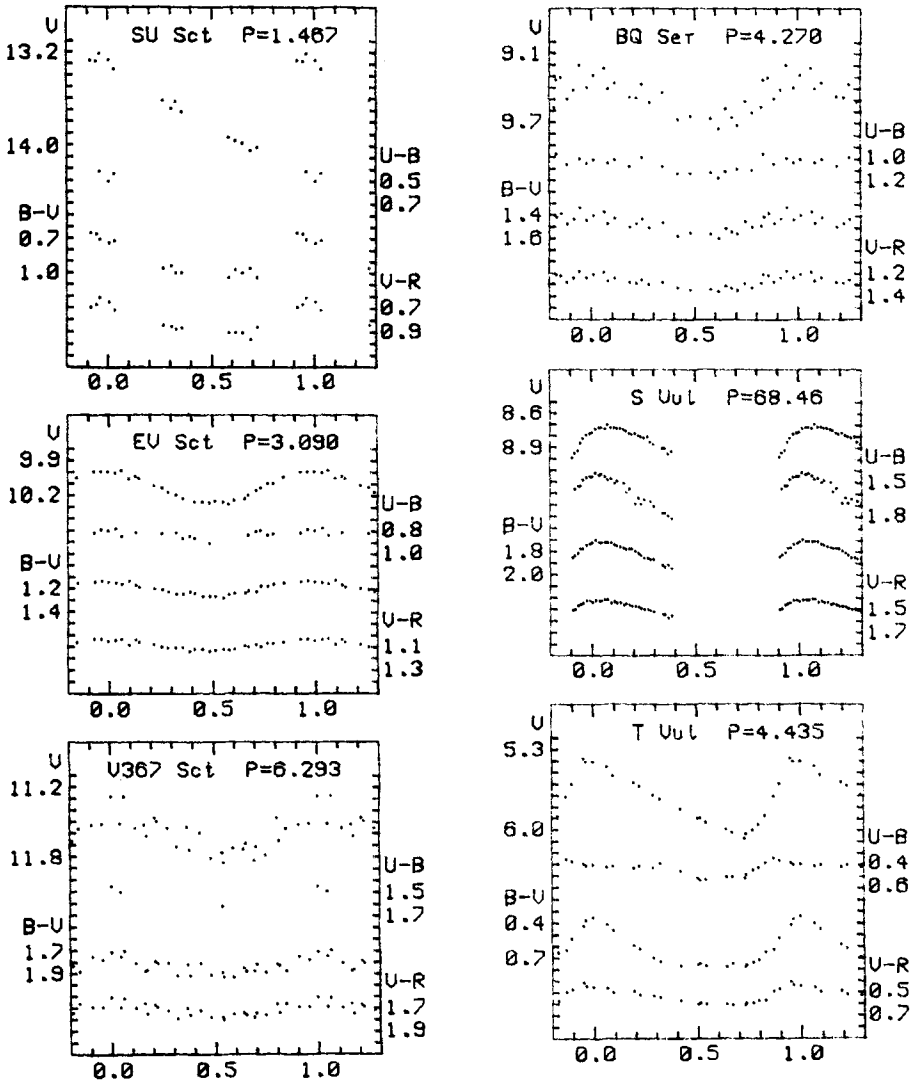


Figure 8 The light and colour curves for SU Sct, EV Sct, V367 Sct, BQ Ser, S Vul and T Vul.

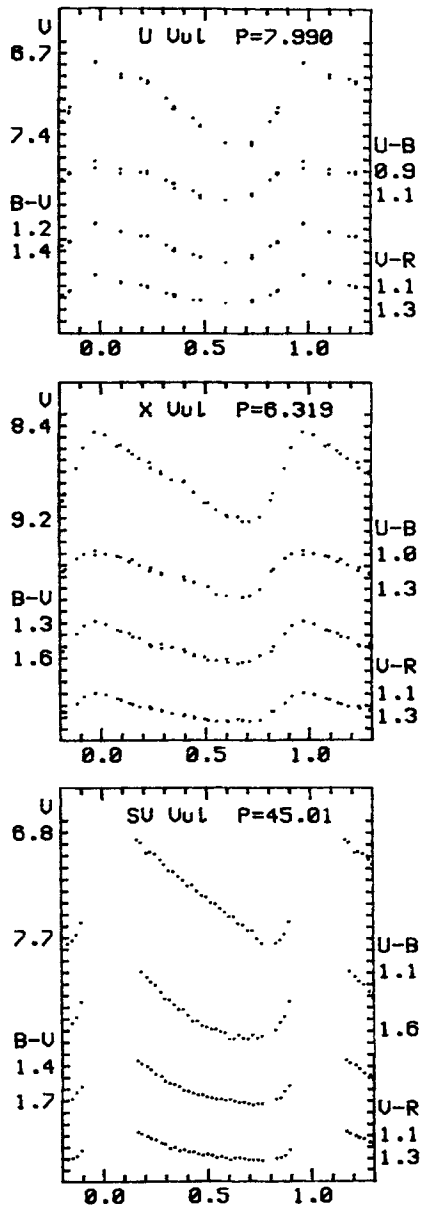


Figure 9 The light and colour curves for U Vul, X Vul and SV Vul.