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Photoelectric observations of cepheids. VI

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PHOTOELECTRIC OBSERVATIONS OF CEPHEIDS. VI

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(30 August 1991)

2582 UBV observations on the Johnson system for 67 Cepheids obtained in the 1989 season are presented.

KEY WORDS Cepheids, photometry.

The observational program was carried out in 1989 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 1–10. 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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Table 1

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
		U Aql					U Aql		
7734.3034	6.087	0.485	0.871	0.751	7767.1390	6.807	0.880	1.216	0.996
7735.3474	6.249	0.595	0.984	0.848	7767.2417	6.782	0.865	1.242	0.975
7736.3518	6.352	0.648	1.075	0.888	7768.1311	6.602	0.661	1.079	0.868
7737.3571	6.523	0.847	1.164	0.920	7768.2419	6.473	0.646	1.079	0.899
7738.3367	-	0.901	1.227	1.004	7769.1325	6.069	0.507	0.841	0.817
7739.3005	6.816	0.885	1.216	0.980	7770.1264	6.138	0.533	0.973	0.803
7740.3355	6.412	0.576	1.068	0.893	7770.2287	6.185	0.584	0.946	0.827
7741.2932	6.045	0.522	0.868	0.763	7771.1270	6.312	0.658	1.086	0.869
7742.3027	6.205	0.604	0.972	0.828	7771.2205	6.296	0.664	1.066	0.890
7743.2910	6.272	0.666	1.052	0.874	7772.1228	6.456	-	1.086	0.924
7744.2688	6.526	0.757	1.161	0.929	7772.2188	6.464	0.764	1.140	0.912
7745.2755	6.681	0.880	1.217	0.968	7773.1256	6.627	0.821	1.252	0.954
7746.2811	6.819	0.859	1.217	0.979	7773.2448	6.652	0.866	1.195	0.965
7747.2738	6.442	0.612	1.043	0.870	7774.1401	6.763	0.845	1.274	0.950
7748.2735	6.045	0.491	0.864	0.784	7774.2488	6.786	0.887	1.249	0.969
7749.2670	6.202	0.585	0.961	0.823	7775.1209	6.619	0.671	1.107	0.930
7751.2484	6.514	0.780	1.154	0.951	7775.2141	6.541	0.659	1.093	0.886
7752.2312	6.669	0.887	1.217	0.947	7776.1252	6.050	0.465	0.885	0.742
7753.2296	6.798	0.874	1.243	0.970	7776.2174	6.036	0.475	0.870	0.770
7754.2565	6.484	0.612	1.052	0.866			BC Aql		
7755.2508	6.028	0.488	0.868	0.740	7737.3534	13.328	-	0.975	0.854
7756.2896	6.147	0.579	0.991	0.822	7738.3175	13.701	-	0.948	0.895
7757.2554	6.296	0.663	1.065	0.860	7740.3148	13.419	-	0.954	0.857
7758.2511	6.500	0.732	1.172	0.943	7741.2892	13.589	-	0.889	0.847
7759.2311	6.682	0.867	1.198	0.972	7742.2995	12.917	-	0.725	0.700
7760.2524	6.807	0.876	1.229	0.955	7743.2872	13.378	-	0.995	0.821
7761.1378	6.587	0.662	1.079	0.917	7744.2652	13.459	-	0.847	0.791
7761.2375	6.518	0.617	1.058	0.893	7745.2709	12.947	-	0.741	0.701
7762.1396	6.039	0.478	0.866	0.740	7746.2762	13.441	-	0.986	0.848
7762.2209	6.033	0.491	0.855	0.742	7747.2706	13.027	-	0.721	0.662
7763.1330	6.162	0.593	0.950	0.793	7748.2705	12.976	-	0.784	0.749
7764.1928	6.325	0.658	1.060	0.875	7749.2650	13.483	-	0.979	0.878
7766.1309	6.654	0.857	1.224	0.964	7759.2275	12.740	-	0.586	0.575
7766.1951	6.651	0.835	1.203	0.987	7760.2499	13.164	-	0.883	0.736

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
BC Aql					EV Aql				
7761.2330	13.661	-	1.025	0.840	7757.2341	12.026	-	1.724	1.433
7762.2183	12.774	-	0.579	-	7758.2430	12.043	-	1.722	1.413
7767.2353	13.642	-	1.011	0.789	7759.2184	12.068	-	1.751	1.397
7768.2380	-	-	0.694	-	7760.2376	12.103	-	1.767	1.409
7770.2221	13.647	-	0.997	0.834	7761.2208	12.135	-	1.814	1.367
7771.2172	12.836	-	0.727	0.656	7762.2005	12.171	-	1.766	1.388
7772.2152	13.339	-	0.957	0.857	7763.1846	12.171	-	1.757	1.432
7773.2412	13.592	-	0.919	0.841	7764.1886	12.216	-	1.774	1.413
7774.2451	12.877	-	0.764	0.673	7766.1893	12.281	-	1.788	1.436
7775.2103	13.394	-	0.988	0.802	7767.2301	12.268	-	1.753	1.409
7776.2106	13.469	-	0.884	0.761	7768.2283	-	-	1.787	1.430
EV Aql					7770.2147	12.273	-	1.750	1.405
7734.2811	12.067	-	1.641	1.310	7771.2116	12.239	-	1.683	1.405
7735.3387	11.933	-	1.542	1.273	7772.2077	12.180	-	1.640	1.384
7736.3132	11.792	-	1.449	1.238	7773.2336	12.050	-	1.589	1.353
7737.3051	11.654	-	1.441	1.208	7774.2388	11.918	-	1.516	1.297
7738.3079	11.614	-	1.352	1.182	7775.2033	11.769	-	1.489	1.210
7739.2803	11.559	-	1.371	1.182	7776.2033	11.635	-	1.388	1.215
7740.3036	-	-	1.333	1.166	FN Aql				
7741.2824	11.544	-	1.355	1.189	7734.2929	8.450	0.777	1.251	1.050
7742.2936	11.547	-	1.394	1.204	7735.3445	8.293	-	1.179	0.988
7743.2804	11.566	-	1.407	1.207	7736.3174	8.148	-	1.092	0.978
7744.2583	11.625	-	1.457	1.230	7737.3215	8.100	0.734	1.152	0.967
7745.2648	11.639	-	1.481	1.235	7738.3118	8.221	0.790	1.205	1.022
7746.2693	11.681	-	1.520	1.256	7739.2827	8.355	0.866	1.287	1.070
7748.2647	11.712	-	1.570	1.289	7740.3065	8.432	1.010	1.350	1.117
7749.2551	11.757	-	1.579	1.295	7741.2851	8.615	1.058	1.400	1.132
7750.2464	11.783	-	1.610	1.315	7742.2964	8.651	1.018	1.351	1.135
7751.2408	11.814	-	1.648	1.337	7743.2830	8.465	0.836	1.292	1.058
7752.2200	11.839	-	1.650	1.321	7744.2616	8.405	0.748	1.212	1.025
7753.2069	11.901	-	1.670	1.379	7745.2684	8.286	0.728	1.151	0.990
7754.2479	11.925	-	1.719	1.339	7746.2723	8.101	0.677	1.115	0.955
7755.2436	11.946	-	1.693	1.393	7747.2667	8.114	0.720	1.179	0.993
7756.2650	11.974	-	1.691	1.389	7748.2677	8.273	0.794	1.271	1.039

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	V496 Aql					V496 Aql			
7736.3152	7.949	-	1.253	1.027	7774.2406	7.660	0.751	1.175	0.934
7737.3063	7.801	0.805	1.193	0.958	7775.2044	7.763	0.808	1.195	0.990
7738.3092	7.657	0.660	1.091	0.929	7776.2060	7.851	0.875	1.254	1.018
7739.2818	7.622	0.692	1.091	0.919		V1162 Aql			
7740.3041	7.720	-	1.161	0.954	7734.3540	7.813	0.648	0.992	0.809
7741.2826	7.758	0.838	1.199	0.998	7735.3777	7.983	0.659	1.018	0.797
7742.2937	7.857	0.893	1.232	1.000	7736.3827	8.065	0.639	0.932	0.800
7743.2806	7.890	-	1.265	0.996	7738.3583	7.647	0.412	0.846	0.688
7744.2593	7.784	0.736	1.168	0.967	7739.3332	7.771	0.622	0.932	0.741
7745.2676	7.598	0.659	1.065	0.909	7740.3335	7.914	0.664	1.006	0.828
7746.2704	7.596	0.682	1.097	0.909	7741.2570	8.051	0.686	0.999	0.828
7747.2647	7.672	0.793	1.148	0.977	7742.2462	7.815	0.405	0.867	0.709
7748.2655	7.778	0.821	1.225	0.989	7743.2361	7.569	0.391	0.796	0.661
7750.2486	7.919	-	1.248	0.993	7744.2266	7.702	0.529	0.865	0.727
7751.2427	7.760	0.730	1.133	0.977	7745.2216	7.852	0.603	0.969	0.780
7752.2219	7.570	0.645	1.074	0.905	7746.2303	7.981	0.631	0.992	0.812
7754.2515	7.710	0.797	1.176	0.963	7747.2189	7.996	0.597	0.950	0.790
7755.2455	7.800	0.856	1.239	0.995	7748.2252	7.554	0.364	0.764	0.649
7756.2678	7.903	0.892	1.269	1.016	7749.2038	7.594	0.483	0.821	0.720
7757.2492	7.906	0.870	1.222	1.008	7750.2084	7.765	0.601	0.948	0.754
7758.2457	7.722	0.685	1.131	0.954	7751.2140	7.935	0.663	1.012	0.801
7759.2216	7.593	0.629	1.052	0.928	7752.2071	8.033	0.664	1.023	0.796
7760.2397	7.621	0.724	1.127	0.917	7753.2101	7.701	0.424	0.848	0.689
7761.2230	7.734	0.788	1.172	0.974	7754.2352	7.550	0.419	0.799	0.663
7762.2162	7.836	-	1.227	1.007	7755.2054	7.740	0.536	0.913	0.746
7763.1865	7.905	-	1.250	1.012	7756.2273	7.906	0.620	0.971	0.794
7764.1912	7.892	-	1.225	1.008	7757.1989	8.019	0.700	0.985	0.842
7766.1926	7.562	-	1.082	0.908	7758.1937	7.880	0.492	0.920	0.740
7767.2321	7.639	0.752	1.132	0.947	7759.2064	7.535	0.362	0.714	0.672
7768.2321	7.689	0.833	1.194	0.981	7760.2166	7.674	0.504	0.857	0.698
7770.2177	7.942	0.977	1.259	1.023	7761.2003	7.864	0.589	0.950	0.790
7771.2123	7.835	0.809	1.213	1.001	7762.2019	7.979	0.644	0.983	0.808
7772.2083	7.645	0.689	1.081	0.937	7763.2007	8.024	-	0.971	0.802
7773.2345	7.589	0.677	1.087	0.936	7764.2035	7.637	-	0.774	0.681

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V1162 Aql					AM Cam				
7766.2057	7.764	0.553	0.940	0.767	7774.3946	13.603	-	1.677	1.439
7767.2108	7.939	0.628	0.982	0.803	7774.4539	13.649	-	1.638	1.478
7768.2092	8.022	0.649	1.004	0.797	7775.3697	13.777	-	1.673	1.492
7769.2075	7.770	0.434	0.836	0.693	7775.4294	13.776	-	1.650	1.464
7770.1949	7.562	0.409	0.744	0.706	7776.3840	13.259	-	1.450	1.317
7771.1927	7.715	0.511	0.897	0.732	7776.4389	13.217	-	1.437	1.293
7772.1889	7.855	0.620	0.956	0.776	SY Cas				
7773.1910	8.002	0.659	1.009	0.819	7741.4649	9.888	-	1.045	0.895
7774.2219	7.925	0.568	0.934	0.753	7742.4363	10.175	-	1.136	0.979
7775.1865	7.543	0.408	0.724	0.649	7743.4191	10.167	-	1.079	0.951
7776.1867	7.646	0.471	0.836	0.705	7744.4682	9.541	-	0.838	-
EW Aur					7745.4630	9.913	-	1.024	-
7770.4683	13.514	-	1.144	1.054	7746.4622	10.156	-	1.192	0.951
7771.4760	13.773	-	1.209	1.099	7747.3970	10.183	-	1.104	0.968
7772.4775	13.150	-	0.920	0.906	7748.4657	9.535	-	0.822	0.753
7773.4684	13.632	-	1.184	1.074	7749.4678	9.918	-	0.990	0.901
7774.4846	13.836	-	1.198	-	7750.4658	10.198	-	1.129	0.988
7775.4609	13.345	-	1.057	1.010	7751.4660	10.201	-	1.066	0.954
7776.4677	13.755	-	1.170	1.118	7752.4621	9.458	-	0.807	0.726
AM Cam					7753.4643	9.863	-	0.994	0.911
7758.4591	13.639	-	1.564	1.462	7754.4296	10.129	0.686	1.126	0.957
7759.4422	13.805	-	1.655	1.483	7755.4674	10.210	-	1.118	0.983
7760.4696	13.224	-	1.425	-	7756.4585	9.420	0.443	0.794	0.730
7762.4633	13.649	-	1.640	1.460	7757.4465	9.838	0.569	0.953	0.935
7763.4788	13.780	-	1.739	-	7758.3989	10.099	0.661	1.099	0.946
7765.4685	13.410	-	1.574	1.353	7759.3816	10.242	0.692	1.145	0.963
7766.4674	13.651	-	1.646	1.464	7759.4806	10.223	-	1.133	0.958
7767.4657	13.796	-	1.648	1.495	7760.4371	9.451	-	0.783	0.747
7768.4483	13.168	-	1.436	1.297	7761.4608	9.798	-	1.019	0.869
7770.4319	13.616	-	1.652	1.423	7762.4387	10.074	-	1.131	0.963
7771.4380	13.781	-	1.667	1.502	7763.4557	10.220	-	1.159	0.959
7772.3652	13.275	-	1.438	1.310	7765.4382	9.763	-	0.985	0.861
7773.3900	13.393	-	1.564	1.409	7766.4309	10.076	-	1.135	0.952
7773.4385	13.418	-	1.576	1.388	7767.4384	10.237	-	1.110	0.970

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
SY Cas					UZ Cas				
7768.4001	-	-	0.832	0.743	7747.4029	11.356	-	1.133	1.016
7770.3474	10.033	-	1.115	0.954	7748.4752	11.643	-	1.235	1.040
7771.3367	10.225	-	1.141	0.996	7749.4758	11.700	-	1.156	-
7771.3985	10.241	-	1.131	0.980	7750.4738	-	-	0.905	0.875
7772.3327	9.664	-	0.876	0.805	7751.4762	11.306	-	1.091	0.969
7772.4397	9.536	-	0.812	0.754	7752.4698	11.571	-	1.186	1.043
7773.3590	9.689	-	0.921	0.825	7753.4712	11.750	-	1.189	1.074
7773.4101	9.712	-	0.941	0.839	7754.4430	10.968	-	0.864	0.827
7774.3641	10.030	-	1.093	0.939	7755.4786	11.235	-	1.094	0.964
7774.4211	10.038	-	1.103	0.951	7756.4783	11.481	-	1.181	1.016
7775.3337	10.221	-	1.144	0.990	7757.4745	11.687	-	1.234	1.068
7775.3841	10.216	-	1.152	0.981	7758.4261	11.218	-	0.990	0.884
7776.3453	9.742	-	0.920	0.828	7759.4083	11.137	-	1.002	0.892
7776.4068	9.665	-	0.851	0.802	7760.4529	11.457	-	1.150	1.031
TU Cas					7761.4679	11.663	-	1.240	-
7762.4843	7.981	-	0.734	0.632	7762.4521	11.522	-	1.119	0.988
7763.4930	7.512	-	0.525	0.478	7763.4681	11.061	-	0.978	-
7765.4895	7.048	0.212	0.305	0.310	7765.4529	11.613	-	1.223	1.034
7766.4960	7.975	0.335	0.744	0.650	7766.4516	11.704	-	1.221	1.022
7767.4947	7.499	0.246	0.443	0.476	7767.4538	10.969	-	0.889	0.853
7768.4969	7.797	0.274	0.665	0.594	7768.4304	-	-	1.098	0.943
7770.4947	7.759	0.294	0.662	0.583	7770.4173	11.751	-	1.208	1.109
7771.4972	8.017	0.290	0.685	0.602	7771.4211	10.977	-	0.901	0.838
7772.4866	7.819	0.309	0.663	0.594	7772.3490	11.189	-	1.040	0.931
7773.4816	7.942	0.321	0.666	0.599	7772.4474	11.242	-	1.042	0.959
7774.4975	7.504	0.245	0.487	0.481	7773.3761	11.478	-	1.177	1.025
7775.4803	8.037	0.348	0.721	0.643	7773.4256	11.499	-	1.182	1.023
7776.4820	7.524	0.262	0.513	0.507	7774.3834	11.684	-	1.242	1.058
UZ Cas					7774.4416	11.703	-	1.226	1.061
7742.4694	11.171	-	1.016	0.936	7775.3502	11.395	-	1.039	0.973
7743.4410	11.451	-	1.156	1.026	7775.4112	11.306	-	1.005	0.915
7744.4784	11.704	-	1.189	1.070	7776.3682	11.094	-	1.003	0.904
7745.4716	11.476	-	1.094	-	7776.4254	11.112	-	0.991	0.887
7746.4753	11.092	-	0.989	-					

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	VW Cas					VW Cas			
7741.4733	10.402	-	1.065	0.918	7774.4399	10.893	-	1.320	1.108
7742.4667	10.526	-	1.121	0.990	7775.3492	11.041	-	1.363	1.145
7743.4377	10.713	-	1.249	1.070	7775.4100	11.044	-	1.384	1.135
7744.4750	10.905	-	1.326	-	7776.3667	11.006	-	1.317	1.125
7745.4697	11.043	-	1.398	-	7776.4238	10.994	-	1.304	1.113
7746.4727	10.975	-	1.356	-		AS Cas			
7747.4019	10.447	-	1.043	0.937	7741.4684	12.101	-	1.316	1.190
7748.4724	10.563	-	1.117	0.989	7742.4390	12.263	-	1.399	1.218
7749.4743	10.751	-	1.207	1.034	7743.4215	12.348	-	1.334	1.279
7750.4722	10.941	-	1.306	1.149	7744.4708	12.468	-	1.447	-
7751.4722	11.043	-	1.337	1.135	7745.4661	11.962	-	1.200	-
7752.4682	10.964	-	1.275	1.079	7746.4694	12.489	-	1.475	1.268
7753.4702	10.440	-	1.017	0.943	7747.3995	12.357	-	1.356	1.245
7754.4409	10.548	-	1.117	1.002	7748.4676	12.227	-	1.348	1.219
7755.4757	10.738	-	1.241	1.091	7749.4697	12.440	-	1.400	-
7756.4738	10.858	-	1.305	1.096	7750.4677	12.363	-	1.346	-
7757.4710	11.037	-	1.376	1.143	7751.4691	12.004	-	1.229	-
7758.4231	10.987	-	1.293	1.081	7752.4654	12.319	-	1.392	1.248
7759.4067	10.437	-	1.086	0.932	7753.4656	12.562	-	1.344	1.321
7760.4513	10.545	-	1.132	1.008	7754.4342	12.043	-	1.208	1.182
7761.4669	10.706	-	-	-	7755.4694	12.497	-	1.460	1.319
7762.4513	10.874	-	1.323	1.133	7756.4623	12.174	-	1.304	1.186
7763.4673	11.050	-	1.386	-	7757.4524	12.208	-	1.329	1.269
7765.4519	10.421	-	1.045	0.918	7758.4037	12.263	-	1.335	1.236
7766.4499	10.538	-	1.142	0.989	7759.3867	12.456	-	1.399	1.276
7767.4523	10.720	-	1.238	1.064	7760.4389	11.848	-	1.168	1.130
7768.4285	10.831	-	1.329	1.145	7761.4628	12.423	-	1.469	1.283
7770.4165	10.993	-	1.312	1.094	7762.4403	12.433	-	1.389	1.278
7771.4202	10.433	-	1.058	0.939	7763.4574	12.173	-	1.342	1.218
7772.3479	10.528	-	1.116	0.990	7765.4395	12.320	-	1.290	1.235
7772.4462	10.547	-	1.152	0.988	7766.4343	11.975	-	1.297	1.132
7773.3749	10.721	-	1.251	1.048	7767.4420	12.276	-	1.370	1.257
7773.4243	10.726	-	1.245	1.059	7768.4018	12.498	-	1.496	1.315
7774.3820	10.874	-	1.321	1.090	7770.3491	12.456	-	1.440	1.322

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
AS Cas					AW Cas				
7771.3385	12.393	-	1.395	1.274	7765.4550	11.683	-	1.281	1.198
7771.4003	12.387	-	1.368	1.277	7766.4530	11.985	-	-	1.335
7772.3342	12.170	-	1.302	1.222	7767.4548	12.273	-	1.564	1.437
7772.4423	12.194	-	1.349	-	7768.4337	12.351	-	1.609	1.416
7773.3605	12.238	-	1.348	1.226	7770.4191	11.927	-	1.404	1.331
7773.4116	12.274	-	1.344	1.246	7771.4228	12.202	-	1.562	1.398
7774.3655	12.446	-	1.412	1.287	7772.3518	12.376	-	1.619	1.434
7774.4231	12.468	-	1.417	1.314	7772.4487	12.403	-	1.606	1.438
7775.3359	11.774	-	1.141	1.099	7773.3773	12.031	-	1.388	1.316
7775.3865	11.752	-	1.168	1.070	7773.4264	11.974	-	1.377	1.305
7776.3469	12.329	-	1.436	1.279	7774.3845	11.829	-	1.335	1.287
7776.4086	12.355	-	1.433	1.276	7774.4431	11.840	-	1.350	1.281
AW Cas					7775.3534	12.128	-	1.497	1.389
7742.4761	12.399	-	1.592	1.465	7775.4130	12.135	-	1.511	1.392
7743.4454	12.039	-	1.378	1.319	7776.3695	12.338	-	1.596	1.444
7745.4764	12.140	-	1.521	-	7776.4266	12.366	-	1.578	1.478
7746.4787	12.367	-	-	-	CE Cas				
7747.4059	12.354	-	1.538	1.387	7734.4737	10.107	-	1.109	0.988
7748.4775	11.754	-	1.294	1.224	7736.4745	10.133	-	1.098	0.968
7749.4777	12.092	-	1.436	-	7738.4684	10.430	-	1.217	1.055
7750.4779	12.338	-	1.576	1.425	7741.4023	10.115	-	1.185	0.953
7751.4782	12.385	-	1.591	-	7742.4293	10.378	-	1.278	1.068
7752.4738	11.603	-	1.259	1.183	7743.4147	10.499	-	1.246	1.103
7753.4742	11.979	-	1.447	1.358	7744.4440	10.129	-	1.086	0.959
7754.4452	12.241	-	1.527	1.401	7745.4411	10.008	0.652	1.064	0.952
7755.4811	12.393	-	1.595	-	7746.4435	10.272	-	1.253	1.018
7756.4834	11.708	-	1.283	1.224	7747.3944	10.398	-	1.290	1.068
7757.4783	11.861	-	1.399	1.310	7748.4475	10.563	-	1.250	1.082
7758.4272	12.153	-	1.538	1.399	7749.4481	9.970	-	0.962	0.898
7759.4108	12.344	-	1.573	-	7750.4439	10.101	0.678	1.090	0.994
7760.4560	12.166	-	1.448	1.358	7751.4514	10.284	-	1.210	1.043
7761.4688	11.774	-	1.351	-	7752.4420	10.417	-	1.283	1.065
7762.4543	12.100	-	1.490	1.391	7753.4347	10.406	-	1.185	1.054
7763.4698	12.338	-	1.600	-	7754.4211	10.024	0.594	1.042	0.945

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					CE Cas				
7755.4571	10.088	-	1.144	1.007	7776.4040	9.984	-	1.045	0.946
7756.4542	10.274	-	1.238	1.047	7776.4856	9.987	-	1.049	0.960
7757.4309	10.423	0.865	1.274	1.096	CF Cas				
7757.4818	10.415	-	1.276	1.084	7734.4776	11.131	-	1.271	1.076
7758.3904	10.120	0.619	1.097	0.947	7736.4717	11.373	-	1.298	1.094
7758.4715	10.125	-	1.062	0.942	7738.4673	11.019	-	1.168	1.012
7759.3781	10.111	0.663	1.149	0.947	7739.4621	11.156	-	1.280	1.103
7759.4708	10.105	-	1.139	0.957	7741.4013	11.336	-	1.309	1.072
7760.4005	10.119	0.649	1.145	1.007	7742.4289	10.836	-	1.072	0.938
7760.4341	10.134	-	1.112	1.000	7743.4140	11.020	-	1.180	1.038
7761.4573	10.324	-	1.250	1.034	7744.4434	11.217	-	1.283	1.091
7762.4351	10.275	-	1.188	1.043	7745.4399	11.372	-	1.314	1.164
7763.2788	10.161	-	1.107	0.996	7746.4428	11.301	-	1.317	1.060
7764.2844	10.257	-	1.197	1.017	7747.3933	10.825	-	1.063	0.964
7765.2884	10.122	-	1.116	0.982	7748.4469	11.080	-	1.186	1.044
7765.4351	10.149	-	1.114	0.995	7749.4469	11.247	-	1.238	1.113
7765.4886	10.153	-	1.147	0.997	7750.4431	11.414	-	1.300	1.140
7766.2988	10.289	-	1.216	1.017	7751.4501	11.217	-	1.216	1.050
7766.4302	10.315	-	1.217	1.045	7752.4410	10.837	-	1.061	0.975
7767.4348	10.065	-	1.079	0.947	7753.4318	11.061	-	1.196	1.058
7768.3962	10.214	-	1.191	1.036	7754.4173	-	-	1.306	1.097
7770.3441	10.163	-	1.107	0.981	7755.4537	11.370	-	1.321	1.143
7771.3331	10.191	-	1.142	1.013	7756.4514	11.098	-	1.172	1.041
7771.3939	10.181	-	1.135	1.007	7757.4239	10.860	0.653	1.066	1.006
7772.3283	10.112	-	1.136	1.000	7758.3846	11.064	-	1.201	1.074
7772.4359	10.134	-	1.123	0.997	7759.3727	11.231	-	1.337	1.084
7773.3556	10.336	-	1.211	1.069	7759.4730	11.236	-	1.353	1.099
7773.4066	10.347	-	1.226	1.058	7760.4041	11.385	-	1.323	1.167
7773.4847	10.360	-	1.235	1.074	7761.4553	11.041	-	1.174	1.022
7774.3606	10.446	-	1.272	1.057	7762.4325	10.879	-	1.120	1.014
7774.4182	10.447	-	1.260	1.075	7763.2780	11.072	-	1.250	1.051
7775.3279	10.200	0.625	1.091	1.012	7764.2835	11.246	-	1.311	1.085
7775.3807	10.161	-	1.124	0.966	7765.2867	11.361	-	1.348	1.118
7776.3417	10.000	-	1.037	0.980	7766.2966	11.038	-	1.185	1.006

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	CF Cas					CG Cas			
7767.4333	10.933	-	1.119	1.012	7759.3787	11.751	-	1.389	-
7768.3951	11.109	-	1.275	1.060	7760.4355	10.924	-	1.023	0.971
7770.3433	11.383	-	1.338	1.111	7761.4591	11.238	-	1.264	1.080
7771.3326	10.980	-	1.115	1.022	7762.4373	11.535	-	1.357	1.197
7771.3947	10.946	-	1.083	0.999	7763.2804	11.724	-	1.386	1.228
7772.3287	10.943	-	1.153	1.014	7764.2858	11.468	-	1.236	1.103
7772.4345	10.960	-	1.158	1.044	7765.4366	11.094	-	1.154	1.025
7773.3548	11.149	-	1.271	1.088	7766.2993	11.405	-	1.307	1.152
7773.4060	11.166	-	1.248	1.105	7767.4355	11.664	-	1.396	1.197
7774.3597	11.292	-	1.328	1.107	7768.3980	11.609	-	1.386	1.153
7774.4163	11.317	-	1.332	1.121	7770.3454	11.312	-	1.254	1.117
7775.3258	11.390	-	1.323	1.118	7771.3343	11.594	-	1.357	1.211
7775.3800	11.389	-	1.317	1.125	7771.3958	11.614	-	1.359	1.190
7776.3410	10.904	-	1.087	0.991	7772.3303	11.763	-	1.407	1.221
7776.4030	10.893	-	1.057	0.987	7772.4373	11.754	-	1.381	1.222
	CG Cas				7773.3572	10.997	-	1.037	0.967
7741.4615	11.689	-	1.396	-	7773.4080	10.970	-	1.045	0.988
7742.4326	11.517	-	1.257	1.121	7774.3620	11.196	-	1.195	1.071
7743.4170	11.048	-	1.081	1.044	7774.4188	11.233	-	1.191	1.092
7744.4452	11.435	-	1.302	1.151	7775.3312	11.513	-	1.325	1.173
7745.4444	11.670	-	1.373	1.202	7775.3819	11.506	-	1.344	1.178
7746.4446	11.763	-	1.420	1.166	7776.3427	11.715	-	1.401	1.232
7747.3952	10.912	-	1.033	0.952	7776.4048	11.746	-	1.387	1.246
7748.4488	11.326	-	1.221	1.103		DL Cas			
7749.4488	11.581	-	1.343	1.195	7741.4691	8.736	-	1.140	0.936
7750.4475	-	-	1.398	-	7742.4625	8.815	0.765	1.189	-
7751.4518	11.078	-	1.090	-	7743.4248	8.965	0.845	1.254	1.071
7752.4435	11.150	-	1.145	1.065	7744.4735	9.124	-	1.310	1.081
7753.4355	11.509	-	1.294	1.186	7745.4675	9.247	-	1.348	1.131
7754.4241	11.692	-	1.388	1.202	7746.4709	9.229	-	1.341	1.046
7755.4585	11.568	-	1.297	1.153	7747.4003	8.941	-	1.168	1.006
7756.4562	10.983	-	1.075	0.989	7748.4704	8.721	-	1.033	0.922
7757.4327	11.357	-	1.266	1.154	7749.4720	8.811	-	-	0.984
7758.3913	11.579	-	1.378	1.164	7750.4696	8.877	-	1.179	1.014

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
DL Cas					GL Cas				
7751.4706	8.971	-	1.235	1.050	7759.4354	12.608	-	1.293	1.095
7752.4665	9.084	-	1.303	1.080	7760.4637	12.930	-	1.381	-
7753.4684	9.242	-	1.327	1.101	7762.4586	12.360	-	1.063	1.024
7754.4385	9.234	0.872	1.281	1.084	7763.4739	12.636	-	1.270	-
7755.4738	8.938	-	1.164	1.005	7765.4614	13.102	-	1.405	1.220
7756.4715	-	-	1.058	0.908	7766.4585	12.364	-	1.104	1.013
7757.4555	8.760	-	1.118	0.989	7767.4599	12.624	-	1.264	1.123
7758.4065	8.839	0.721	1.140	1.015	7768.4409	-	-	1.403	1.224
7759.3901	8.941	0.792	1.285	1.008	7770.4250	12.391	-	1.087	1.045
7759.4822	8.947	-	1.275	1.021	7771.4286	12.623	-	1.248	1.138
7760.4412	9.099	-	1.301	1.099	7772.3580	12.891	-	1.384	1.207
7761.4656	9.227	-	1.367	1.106	7773.3826	13.097	-	1.379	1.244
7762.4431	9.208	-	1.322	1.094	7773.4316	13.076	-	1.414	1.222
7763.4590	8.958	-	1.176	1.012	7774.3895	12.437	-	1.110	1.026
7765.4411	8.788	-	1.126	0.981	7774.4478	12.392	-	1.098	1.019
7766.4352	8.849	-	1.176	1.011	7775.3592	12.613	-	1.221	1.148
7767.4426	8.970	0.808	1.249	1.046	7775.4194	12.597	-	1.264	1.093
7768.4051	-	0.877	1.315	1.078	7776.3747	12.902	-	1.387	1.230
7770.3959	9.243	0.847	1.308	1.110	7776.4329	12.922	-	1.371	1.220
7771.3773	8.970	0.712	1.156	1.023	HK Cas				
7772.3364	8.704	0.602	1.058	0.940	7743.4271	14.380	-	1.221	0.918
7772.4445	8.699	0.602	1.061	0.943	7757.4585	13.902	-	0.815	0.747
7773.3628	8.768	0.670	1.113	0.962	7758.4100	14.391	-	1.207	0.928
7773.4139	8.788	0.667	1.116	0.988	7759.4020	14.674	-	1.112	0.843
7773.4864	8.789	-	1.129	0.987	7760.4447	14.085	-	1.029	-
7774.3676	8.840	0.727	1.186	1.006	7762.4455	13.870	-	0.776	-
7774.4247	8.851	0.718	1.168	1.017	7763.4603	14.422	-	1.208	-
7775.3376	8.951	0.772	1.242	1.055	7765.4423	14.075	-	1.070	0.791
7775.3883	8.957	0.786	1.242	1.050	7766.4430	14.800	-	1.260	0.939
7776.3493	9.095	0.869	1.316	1.087	7767.4492	13.865	-	0.804	0.715
7776.4100	9.111	0.893	1.282	1.113	7768.4066	14.310	-	1.244	0.959
7776.4870	9.107	-	1.286	1.106	7770.3976	14.067	-	1.020	0.842
GL Cas					7771.3821	14.768	-	1.251	1.036
7758.4546	12.351	-	1.059	1.019	7772.3427	13.827	-	0.761	0.678

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
HK Cas					PW Cas				
7773.3716	14.360	-	1.186	0.949	7765.4298	12.914	-	1.239	1.124
7774.3772	14.673	-	1.166	0.912	7766.2926	12.844	-	1.243	1.145
7774.4350	14.707	-	1.080	0.884	7766.4271	12.894	-	1.267	1.126
7775.3435	14.068	-	0.980	0.855	7767.3879	13.141	-	1.365	1.223
7775.3947	14.084	-	0.995	0.847	7768.3822	13.288	-	1.428	1.309
7776.3618	14.766	-	1.275	1.021	7770.3407	12.859	-	1.240	1.128
7776.4192	14.764	-	-	-	7771.3293	13.139	-	1.363	1.243
PW Cas					7771.4044	13.136	-	1.392	1.220
7739.4485	13.133	-	1.330	1.244	7772.3238	13.341	-	1.369	1.294
7740.4566	13.344	-	1.410	1.245	7772.4287	13.334	-	1.384	1.284
7741.4568	12.856	-	1.221	1.081	7773.3520	13.000	-	1.238	1.141
7742.4253	12.912	-	1.245	1.137	7773.3964	12.947	-	1.209	1.122
7743.4099	13.209	-	1.341	1.292	7774.3561	12.877	-	1.228	1.154
7744.4407	13.361	-	1.420	1.245	7774.4097	12.912	-	1.242	1.129
7745.4356	12.945	-	1.199	1.142	7775.3228	13.151	-	1.325	1.283
7746.4387	12.926	-	1.315	1.145	7775.3722	13.184	-	1.356	1.242
7747.3893	13.120	-	1.377	1.223	7776.3377	13.316	-	1.414	1.293
7748.4440	13.375	-	1.398	1.286	7776.3979	13.312	-	1.434	1.253
7749.4427	12.971	-	1.075	1.172	CN Cep				
7750.4387	12.990	-	1.254	1.176	7739.4430	12.423	-	1.763	1.635
7751.4464	13.195	-	1.315	1.253	7741.4335	12.100	-	1.721	1.522
7752.4378	13.286	-	1.391	1.237	7742.4222	12.127	-	1.712	1.570
7753.4172	12.982	-	1.134	1.086	7743.4059	12.219	-	1.753	1.627
7754.4111	12.920	-	1.234	1.123	7744.4374	12.417	-	1.874	1.686
7755.4448	13.153	-	1.387	1.263	7745.4348	12.532	-	1.881	1.711
7756.4367	13.281	-	1.447	1.246	7746.4381	12.695	-	1.940	1.732
7757.4080	12.950	-	1.165	1.205	7747.3885	12.717	-	1.893	1.716
7758.3783	12.847	-	1.231	1.119	7748.4395	12.615	-	1.873	1.651
7759.3652	13.139	-	1.403	1.205	7749.4419	12.326	-	1.714	1.563
7760.4054	13.307	-	1.441	1.294	7750.4355	12.151	-	1.712	1.544
7761.4519	12.884	-	1.234	1.050	7751.4450	12.133	-	1.694	1.558
7762.4279	12.883	-	1.241	1.186	7752.4340	12.096	-	1.728	1.556
7763.2731	13.126	-	1.357	1.239	7753.4127	12.308	-	1.803	1.625
7764.2803	13.301	-	1.420	1.257	7754.4060	12.438	-	1.876	1.682

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
CN Cep					DR Cep				
7755.4373	12.555	-	1.906	1.718	7743.3797	12.683	-	1.512	-
7756.4308	12.633	-	1.966	1.712	7744.3570	12.706	-	1.626	1.298
7757.4027	12.629	-	1.891	1.733	7745.3670	12.790	-	1.644	1.310
7758.3748	12.459	-	1.807	1.626	7746.3673	12.910	-	1.682	1.348
7759.3619	12.172	-	1.748	1.549	7747.3678	12.983	-	1.700	1.390
7760.4138	12.110	-	1.685	1.574	7748.3649	13.092	-	1.731	1.407
7761.4507	12.080	-	1.753	1.534	7749.3666	13.196	-	1.714	1.440
7762.4268	12.177	-	1.742	1.620	7750.3496	13.293	-	1.794	1.443
7763.2711	12.369	-	1.860	1.645	7751.3450	13.314	-	1.790	1.404
7764.2760	12.503	-	1.886	1.705	7752.3266	13.369	-	1.746	1.455
7765.4343	12.648	-	1.939	1.740	7753.3150	13.323	-	1.659	1.400
7766.2916	12.670	-	1.982	1.714	7754.3680	13.140	-	1.587	1.323
7767.3838	12.582	-	1.893	1.674	7755.4089	13.159	-	1.593	1.308
7768.3813	12.300	-	1.845	1.572	7756.3935	12.934	-	1.446	1.214
7770.3376	12.125	-	1.688	1.561	7757.3744	12.322	-	1.180	1.069
7771.3262	12.098	-	1.719	1.553	7758.3484	12.324	-	1.186	1.103
7772.3208	12.290	-	1.840	1.618	7759.3351	12.412	-	1.313	1.121
7772.4328	12.322	-	1.820	1.659	7760.3339	12.475	-	1.392	1.165
7773.3485	12.434	-	1.873	1.664	7761.3068	12.554	-	1.434	1.210
7773.4037	12.434	-	1.880	1.652	7762.2857	12.642	-	1.526	1.251
7774.3535	12.564	-	1.941	1.703	7763.2501	12.723	-	1.541	1.331
7774.4144	12.597	-	1.912	1.710	7764.2570	12.776	-	1.620	1.302
7775.3186	12.690	-	1.926	1.745	7766.2670	12.972	-	1.688	1.423
7775.3776	12.689	-	1.959	1.729	7767.3539	13.063	-	1.716	1.358
7776.3331	12.676	-	1.938	1.717	7768.3548	13.110	±	1.771	1.437
7776.4019	12.686	-	1.887	1.706	7770.3120	13.339	-	1.767	1.440
DR Cep					7771.3017	13.369	-	1.749	1.418
7734.4654	13.221	-	1.669	1.366	7772.2970	13.322	-	1.733	1.367
7735.4454	13.094	-	1.557	1.297	7773.3262	13.195	-	1.588	1.369
7736.4481	13.191	-	1.566	1.286	7774.3312	13.196	-	1.581	1.345
7738.4337	12.342	-	1.177	1.059	7775.2948	13.113	-	1.499	1.292
7739.4120	12.358	-	-	1.104	7776.3055	12.345	-	1.177	1.082
7740.4310	12.459	-	1.283	1.146	IY Cep				
7742.3919	12.571	-	1.486	1.238	7738.4436	12.991	-	1.506	1.280

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	IY Cep					IY Cep			
7739.4202	12.463	-	1.304	1.125	7776.3243	13.026	-	1.625	1.365
7740.4366	12.690	-	1.419	1.237				KO Cep	
7741.4103	12.824	-	1.523	1.283	7738.4544	14.086	-	1.744	1.651
7742.4057	13.032	-	1.617	1.358	7739.4313	14.207	-	1.908	1.714
7743.3881	13.159	-	1.638	1.347	7740.4428	14.356	-	1.853	1.716
7744.4210	12.788	-	1.452	1.199	7742.4137	13.967	-	1.772	1.622
7745.4149	12.614	-	1.356	1.254	7743.3974	14.204	-	1.907	1.730
7746.4251	12.761	-	1.518	1.243	7744.4285	14.357	-	1.890	1.753
7747.3734	12.881	-	1.573	1.286	7745.4203	14.248	-	1.893	1.695
7748.4206	13.091	-	1.619	1.337	7746.4289	13.858	-	1.759	-
7749.4237	13.129	-	1.535	1.320	7747.3780	14.075	-	1.901	1.684
7750.4200	12.631	-	1.295	1.216	7748.4269	14.258	-	1.908	1.697
7751.4205	12.589	-	1.408	1.179	7749.4300	14.383	-	1.960	1.744
7753.3961	12.963	-	-	1.327	7750.4284	14.026	-	1.828	1.618
7754.3827	13.113	-	1.571	1.357	7751.4263	13.917	-	1.855	1.575
7755.4133	12.949	-	1.533	1.309	7753.4044	14.433	-	1.973	1.806
7756.4059	12.446	-	1.346	1.123	7754.3960	14.373	-	1.998	1.796
7757.3859	12.673	-	1.413	1.292	7755.4229	13.782	-	1.891	-
7758.3541	12.837	-	1.534	1.310	7756.4157	13.965	-	-	1.626
7759.3433	12.992	-	1.612	1.300	7757.3892	14.200	-	1.793	1.760
7760.4221	13.152	-	1.610	1.383	7758.3622	14.395	-	-	1.809
7761.3105	12.785	-	1.456	1.229	7759.3530	-	-	-	1.619
7762.4104	12.532	-	1.347	1.201	7760.4307	13.845	-	1.860	1.566
7763.2539	12.726	-	1.464	1.269	7761.3201	14.040	-	1.853	1.627
7764.2619	12.872	-	1.553	1.300	7762.4175	14.270	-	1.944	1.783
7766.2735	13.141	-	1.616	1.343	7763.2610	14.309	-	1.965	1.634
7767.3637	12.564	-	1.364	1.138	7764.2703	13.872	-	1.767	1.564
7768.3602	12.549	-	1.411	1.180	7766.2813	14.128	-	1.950	1.647
7770.3150	12.959	-	1.576	1.356	7767.3740	14.312	-	1.970	1.715
7771.3114	13.105	-	1.610	1.357	7768.3700	14.117	-	1.872	1.647
7772.3127	13.030	-	1.545	1.315	7770.3300	14.104	-	1.814	1.736
7773.3404	12.484	-	1.331	1.078	7771.3096	14.217	-	1.993	1.677
7774.3461	12.679	-	1.440	1.261	7772.3055	14.403	-	1.929	1.777
7775.3097	12.868	-	1.508	1.329	7773.3329	13.815	-	1.868	-

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
KO Cep					X Cyg				
7774.3389	13.976	-	1.865	1.618	7766.2350	6.158	0.837	1.143	0.876
7775.3028	14.196	-	1.881	1.717	7767.2999	6.252	0.978	1.222	0.892
7776.3134	14.340	-	1.938	1.744	7768.2819	6.319	1.068	1.292	0.940
X Cyg					7770.2817	6.570	1.258	1.394	0.973
7734.4554	6.233	0.937	1.207	0.884	7771.2685	6.696	1.303	1.426	1.025
7735.4379	6.314	1.059	1.269	0.914	7772.2667	6.808	1.347	1.467	1.032
7736.4409	6.448	1.170	1.321	0.951	7773.2963	6.869	1.351	1.440	1.037
7738.4149	6.715	1.357	1.410	1.010	7774.2997	6.844	1.241	1.412	1.010
7739.3850	6.778	1.396	1.428	1.032	7775.2604	6.730	1.056	1.312	0.972
7740.4132	6.867	1.346	1.445	1.011	7776.2681	6.583	0.837	1.215	0.937
7741.3691	6.854	1.338	1.410	1.011	MW Cyg				
7742.3740	6.744	1.115	1.333	0.971	7734.4411	9.545	-	1.362	1.167
7743.3623	6.556	0.853	1.216	0.937	7735.4311	9.079	-	1.194	1.030
7744.3403	6.590	0.867	1.207	0.897	7736.4335	9.292	-	1.367	1.097
7745.3442	6.115	0.584	0.946	0.755	7737.4190	9.459	-	1.432	1.208
7746.3489	5.848	0.466	0.916	0.691	7738.4109	9.693	-	1.484	1.270
7747.3470	5.886	0.570	0.910	0.757	7739.3790	9.788	-	1.536	1.254
7748.3447	5.998	0.655	1.011	0.781	7740.4002	9.563	-	1.374	1.157
7749.3447	6.098	0.790	1.088	0.862	7741.3630	9.109	-	1.193	1.057
7750.3433	6.216	0.899	1.180	0.915	7742.3692	9.305	-	1.343	1.142
7751.3172	6.272	1.032	1.247	0.904	7743.3575	9.499	-	1.367	1.173
7752.3009	6.373	1.097	1.323	0.943	7744.3359	9.662	-	1.531	1.253
7753.2779	6.493	1.203	1.348	0.972	7745.3367	9.802	-	1.571	1.260
7754.3417	6.620	1.278	1.421	1.002	7746.3376	9.563	-	1.397	1.169
7755.3672	6.742	1.358	1.446	1.033	7747.3349	9.095	-	1.217	1.059
7756.3625	6.803	1.352	1.455	1.023	7748.3336	9.303	-	1.354	1.118
7757.3376	6.840	1.316	1.437	1.035	7749.3324	9.484	-	1.407	1.220
7758.3251	6.780	1.179	1.357	1.001	7750.3090	9.659	-	1.502	1.263
7759.3089	6.636	0.953	1.264	0.926	7751.3044	9.787	-	1.563	1.249
7760.3056	6.596	0.821	1.215	0.904	7752.2743	9.558	-	1.391	1.181
7761.2792	6.442	0.751	1.105	0.859	7753.2741	9.106	0.793	1.190	1.054
7762.2574	5.919	0.523	0.844	0.707	7754.3247	9.322	-	1.350	1.156
7763.2271	5.837	0.538	0.876	0.714	7755.3495	9.497	-	1.424	1.230
7764.2330	5.941	0.602	0.946	0.764	7756.3445	9.743	-	1.477	1.232

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
MW Cyg					V343 Cyg				
7757.3248	9.806	-	1.538	1.273	7749.3367	13.804	-	1.552	1.374
7758.3119	9.505	0.860	1.336	1.161	7750.3189	13.916	-	1.638	1.362
7759.2920	9.117	0.801	1.224	1.040	7751.3162	13.981	-	1.646	1.355
7760.2924	9.337	-	1.350	1.149	7752.2863	13.923	-	1.546	1.323
7761.2760	9.484	-	1.440	1.195	7753.2801	13.695	-	1.397	1.303
7762.2538	9.668	-	1.511	1.229	7754.3362	13.686	-	1.404	1.249
7763.2247	9.825	-	1.527	1.287	7755.3629	13.190	-	1.187	1.097
7764.2305	9.516	-	1.375	1.163	7756.3498	13.125	-	1.287	1.077
7766.2320	9.326	-	1.353	1.157	7757.3304	13.264	-	1.355	1.212
7767.2897	9.495	-	1.431	1.205	7758.3232	13.409	-	1.379	1.246
7768.2785	9.629	-	1.534	1.257	7759.3069	13.514	-	1.479	1.246
7770.2780	9.467	-	1.358	1.146	7760.3028	13.636	-	1.595	1.313
7771.2667	9.128	-	1.221	1.069	7761.2810	13.755	-	1.672	1.320
7772.2630	9.349	-	1.363	1.162	7762.2642	13.916	-	1.621	1.345
7773.2936	9.513	-	1.445	1.220	7763.2287	14.020	-	1.589	1.382
7774.2967	9.696	-	1.513	1.238	7764.2380	13.901	-	1.536	1.289
7775.2568	9.842	-	1.546	1.268	7766.2409	13.660	-	1.428	1.208
7776.2632	9.459	0.858	1.356	1.165	7767.2954	13.183	-	1.139	1.097
V343 Cyg					7768.2842	13.158	-	1.250	1.138
7734.4129	13.385	-	1.402	1.282	7770.2864	13.379	-	1.422	1.196
7735.4169	13.504	-	1.482	1.265	7771.2766	13.520	-	1.499	1.255
7736.4259	13.646	-	1.529	1.291	7772.2696	13.683	-	1.586	1.320
7737.4065	13.722	-	1.606	1.316	7773.3032	13.816	-	1.559	1.317
7738.3951	13.868	-	-	-	7774.3060	13.966	-	1.622	1.390
7739.3664	13.997	-	1.577	1.351	7775.2688	14.054	-	1.571	1.405
7740.4073	13.931	-	1.547	1.261	7776.2801	13.908	-	1.538	1.358
7741.3555	13.682	-	1.429	1.235	V356 Cyg				
7742.3607	13.649	-	1.421	1.210	7735.4518	12.605	-	1.439	1.206
7743.3501	13.230	-	1.198	1.107	7736.4518	12.781	-	1.466	1.214
7744.3298	13.175	-	1.238	1.119	7738.4201	12.124	-	1.157	1.058
7745.3278	13.241	-	1.337	1.153	7739.3896	12.387	-	1.308	1.191
7746.3442	13.430	-	1.394	1.237	7740.4179	12.641	-	1.449	1.247
7747.3413	13.505	-	1.503	1.257	7741.3720	12.774	-	1.484	1.235
7748.3398	13.629	-	1.568	1.269	7742.3780	12.518	-	1.337	1.185

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V356 Cyg					V1020 Cyg				
7743.3662	-	-	1.202	1.030	7735.3945	13.342	-	-	1.620
7744.3449	12.347	-	1.334	1.164	7736.3989	13.567	-	1.806	1.704
7745.3485	12.585	-	1.433	1.247	7737.3851	13.754	-	1.932	1.771
7746.3534	12.789	-	1.516	1.229	7738.3709	13.981	-	1.917	1.771
7747.3502	12.595	-	1.360	1.197	7739.3407	14.010	-	1.937	1.806
7748.3485	12.039	-	1.163	1.026	7740.3756	13.342	-	1.752	1.578
7749.3472	12.336	-	1.282	1.160	7741.3284	13.553	-	1.843	1.673
7750.3252	12.597	-	1.394	1.253	7742.3385	13.803	-	1.917	1.774
7751.3232	12.752	-	1.431	1.256	7743.3276	13.961	-	1.964	1.804
7752.3030	12.636	-	1.374	1.177	7744.3067	14.061	-	1.911	1.833
7753.3039	12.034	-	1.125	1.024	7745.3079	13.316	-	1.742	1.611
7754.3460	12.325	-	1.321	1.159	7746.3123	13.588	-	1.867	1.730
7755.3712	12.564	-	1.433	1.218	7747.3078	13.784	-	1.963	1.779
7756.3653	12.765	-	1.455	1.255	7748.3070	13.973	-	1.960	1.811
7757.3430	12.663	-	1.377	1.243	7749.3043	13.991	-	1.959	1.779
7758.3300	12.028	-	1.129	1.043	7770.2552	13.412	-	1.729	1.669
7759.3132	12.285	-	1.320	1.095	7771.2396	13.678	-	1.896	1.787
7760.3108	12.554	-	1.410	1.215	7772.2416	13.889	-	1.985	1.794
7761.2914	12.733	-	1.482	1.247	7773.2707	14.072	-	1.942	1.816
7762.2697	12.737	-	1.424	1.220	7774.2748	13.768	-	1.863	1.747
7763.2384	12.046	-	1.101	-	7775.2333	13.423	-	1.719	1.650
7764.2447	12.236	-	1.267	-	7776.2391	13.690	-	1.897	1.771
7766.2524	12.731	-	1.456	1.296	V1046 Cyg				
7767.3199	12.733	-	1.425	1.237	7734.4455	12.138	-	1.608	1.396
7768.3360	-	-	1.156	1.053	7735.4342	12.393	-	1.739	1.455
7770.2933	12.515	-	1.409	1.188	7736.4361	12.585	-	1.760	1.481
7771.2847	12.712	-	1.481	1.250	7737.4215	12.559	-	1.755	1.469
7772.2799	12.777	-	1.426	1.227	7738.4118	12.073	-	1.520	1.330
7773.3091	12.055	-	1.128	1.042	7739.3801	12.167	-	1.635	1.383
7774.3140	12.232	-	1.298	1.105	7740.4016	12.466	-	1.751	1.479
7775.2744	12.554	-	1.368	1.200	7741.3665	12.583	-	1.778	1.470
7776.2873	12.718	-	1.471	1.242	7742.3704	12.551	-	1.764	1.443
V1020 Cyg					7743.3590	12.040	-	1.549	1.332
7734.3743	-	-	-	1.812	7744.3369	12.203	-	1.626	1.391

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					V1154 Cyg				
7745.3391	12.421	-	1.720	1.446	7739.3256	9.069	0.391	0.828	0.730
7746.3386	12.582	-	1.842	1.469	7740.2676	9.003	0.439	0.836	0.722
7747.3357	12.527	-	1.755	1.455	7741.2655	9.154	0.548	0.925	0.809
7748.3344	12.038	-	1.526	1.299	7742.2537	9.292	0.584	1.003	0.855
7749.3350	12.192	-	1.630	1.379	7743.2438	9.346	-	0.994	0.822
7750.3103	12.423	-	1.734	1.473	7744.2333	9.100	0.429	0.826	0.751
7751.3055	12.582	-	1.815	1.481	7745.2282	9.021	0.451	0.822	0.754
7752.2755	12.556	-	1.727	1.460	7746.2387	9.179	0.533	0.981	0.781
7753.2755	12.063	-	1.527	1.337	7747.2263	9.283	-	1.006	0.827
7754.3259	12.241	-	1.663	-	7748.2317	9.354	0.547	1.005	0.811
7755.3527	12.437	-	1.760	1.462	7749.2139	9.080	0.439	0.816	0.714
7758.3157	12.020	-	1.509	1.316	7750.2202	9.029	0.461	0.864	0.759
7759.2988	12.210	-	1.662	1.365	7751.2218	9.181	0.551	0.953	0.807
7760.2933	12.451	-	1.778	1.460	7752.2163	9.304	0.625	0.990	0.818
7761.2768	12.578	-	1.813	1.457	7753.2173	9.328	0.545	0.998	0.798
7762.2566	12.534	-	1.719	1.430	7754.2443	9.038	0.395	0.829	0.725
7763.2255	12.019	-	1.532	1.316	7755.2126	9.021	0.452	0.861	0.744
7764.2324	12.212	-	1.643	1.404	7756.2358	9.204	0.537	0.949	0.820
7766.2340	12.598	-	1.773	1.513	7757.2105	9.303	0.597	1.001	0.833
7767.2937	12.489	-	1.706	1.439	7758.2059	9.336	0.546	0.983	0.822
7768.2795	11.981	-	1.541	1.320	7759.2147	9.009	0.409	0.816	0.711
7770.2807	12.465	-	1.737	1.463	7760.2239	9.052	0.457	0.876	0.741
7771.2705	12.610	-	1.814	1.508	7761.2084	9.218	0.549	0.959	0.799
7772.2641	12.494	-	1.697	1.460	7762.2085	9.340	0.608	1.002	0.821
7773.2956	12.053	-	1.562	1.324	7763.2060	9.331	-	0.980	0.801
7774.2992	12.268	-	1.678	1.414	7764.2089	8.993	-	0.799	0.723
7775.2585	12.477	-	1.763	1.477	7766.2117	9.227	-	0.983	0.820
7776.2673	12.617	-	1.807	1.515	7767.2174	9.341	-	1.000	0.828
V1154 Cyg					7768.2146	9.278	0.506	0.981	0.765
7734.3405	-	0.490	0.854	0.735	7769.2142	8.991	0.407	0.807	0.719
7735.3733	8.980	-	0.831	0.709	7770.2018	9.070	0.486	0.888	0.760
7736.3785	9.179	-	0.923	0.795	7771.1992	9.219	0.556	0.983	0.799
7737.3794	9.258	-	1.012	0.807	7772.1946	9.328	0.572	1.009	0.819
7738.3582	9.325	-	-	-	7773.1978	9.338	0.517	0.927	0.827

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V1154 Cyg					V1364 Cyg				
7774.2281	8.997	0.411	0.786	0.723	7764.2249	13.593	-	2.150	1.771
7775.1913	9.085	0.486	0.882	0.774	7766.2299	13.400	-	1.941	1.729
7776.1917	9.224	0.578	0.973	0.805	7767.2843	13.314	-	1.938	1.704
V1364 Cyg					7768.2750	13.009	-	1.863	1.631
7734.4332	13.235	-	2.111	1.770	7770.2739	12.938	-	1.825	1.620
7735.4291	13.370	-	2.129	1.752	7771.2621	13.058	-	1.954	1.694
7736.4318	13.519	-	2.179	1.780	7772.2571	13.178	-	2.020	1.713
7737.4167	13.573	-	2.132	1.816	7773.2883	13.293	-	2.066	1.746
7738.4032	13.632	-	2.085	1.795	7774.2910	13.414	-	2.145	1.765
7739.3734	13.471	-	2.108	1.735	7775.2508	13.544	-	2.135	1.803
7740.3972	13.404	-	2.039	1.739	7776.2564	13.597	-	2.180	1.814
7741.3574	13.319	-	1.959	1.667	V1467 Cyg				
7742.3665	13.054	-	1.869	1.597	7734.3973	13.654	-	2.703	2.287
7743.3549	12.896	-	1.742	1.598	7735.4094	13.647	-	2.621	2.264
7744.3338	12.923	-	1.883	1.619	7736.4170	13.732	-	-	2.273
7745.3339	13.043	-	1.954	1.677	7737.4028	13.693	-	2.704	2.231
7746.3348	13.184	-	2.018	1.713	7738.3863	13.865	-	2.727	2.304
7747.3316	13.260	-	2.066	1.763	7739.3585	13.761	-	2.679	2.251
7748.3302	13.409	-	2.126	1.749	7740.3895	13.888	-	2.741	2.326
7749.3261	13.532	-	2.133	1.802	7741.3468	13.877	-	2.733	2.278
7750.3018	13.601	-	2.129	1.822	7742.3535	13.912	-	2.721	2.302
7751.2977	13.586	-	2.095	1.768	7743.3434	13.960	-	2.728	2.326
7752.2651	13.530	-	2.084	1.769	7744.3185	14.015	-	2.786	2.323
7753.2656	13.414	-	1.942	1.743	7745.3215	14.029	-	2.703	2.322
7754.3147	13.338	-	1.912	-	7746.3279	14.042	-	-	2.269
7755.3479	13.053	-	1.919	1.626	7747.3237	14.025	-	2.714	2.288
7756.3416	12.873	-	1.851	1.573	7748.3226	14.079	-	2.702	2.313
7757.3227	12.907	-	1.867	1.635	7749.3235	13.981	-	2.628	2.248
7758.3098	13.012	-	1.907	1.626	7750.2909	13.927	-	2.659	2.262
7759.2780	13.170	-	2.025	1.686	7751.2956	13.788	-	2.531	2.192
7760.2837	13.278	-	2.129	1.731	7752.2622	13.664	-	2.472	2.139
7761.2693	13.394	-	2.124	1.763	7753.2633	13.492	-	-	2.101
7762.2516	13.517	-	2.196	1.780	7754.3003	13.305	-	2.340	2.014
7763.2198	13.600	-	2.155	-	7755.3260	13.144	-	-	1.993

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				
7756.3228	13.054	-	2.339	1.984	7752.4313	8.773	-	0.836	0.737
7757.3063	13.050	-	-	1.987	7753.4091	8.576	0.451	0.749	0.713
7758.2952	13.011	-	2.238	1.962	7754.4023	8.937	0.538	0.943	0.830
7759.2643	13.041	-	2.250	1.980	7755.4313	9.129	0.653	1.074	0.911
7760.2819	13.067	-	2.269	2.008	7756.4258	9.291	0.678	1.122	0.904
7761.2672	13.097	-	2.270	2.033	7757.3983	8.801	0.462	0.811	0.784
7762.2403	13.150	-	2.302	2.065	7758.3710	8.547	0.412	0.747	0.695
7763.2140	13.153	-	2.340	2.093	7758.4794	8.584	-	0.743	0.731
7764.2194	13.167	-	2.342	2.086	7759.3582	8.897	0.530	0.982	0.790
7766.2191	13.257	-	2.373	2.127	7759.4772	8.909	-	1.019	0.819
7767.2820	13.266	-	2.419	2.123	7760.4172	9.157	0.650	1.082	0.922
7768.2651	13.242	-	2.465	2.147	7761.4481	9.322	-	1.143	0.911
7770.2725	13.331	-	2.493	2.147	7762.4235	8.732	-	0.812	0.738
7771.2543	13.377	-	2.525	2.183	7762.4920	8.637	-	0.801	0.692
7772.2508	13.398	-	2.515	2.205	7763.2675	8.513	-	0.753	0.694
7773.2867	13.421	-	2.554	2.183	7764.2731	8.877	-	0.939	0.808
7774.2891	13.446	-	2.599	2.199	7765.4843	9.180	-	1.094	0.885
7775.2489	13.484	-	2.597	2.204	7766.2883	9.314	-	1.134	0.921
7776.2547	13.523	-	2.590	2.272	7767.3794	8.768	0.440	0.844	0.717
					7768.3754	8.529	0.435	0.780	0.734
V Lac									
7738.4614	8.588	-	0.751	0.702	7770.3337	9.154	0.633	1.083	0.919
7739.4366	8.882	0.573	0.928	0.831	7771.3215	9.322	0.708	1.121	0.944
7740.4511	9.169	-	1.078	0.886	7772.3170	8.870	0.419	0.874	0.769
7741.4279	9.302	-	1.127	0.904	7772.4926	8.596	-	0.737	-
7742.4183	8.875	0.481	0.884	0.771	7773.3449	8.583	0.427	0.763	0.712
7743.4020	8.566	0.466	0.750	0.717	7773.4902	8.599	-	0.793	-
7744.4347	8.936	-	0.980	0.839	7774.3500	8.919	0.558	0.972	0.831
7745.4298	9.178	0.694	1.070	0.916	7775.3141	9.161	0.647	1.069	0.907
7746.4339	9.343	-	1.158	0.899	7775.4844	9.179	-	1.074	0.918
7747.3847	8.886	-	0.877	0.771	7776.3286	9.352	0.710	1.118	0.968
7748.4356	8.603	0.462	0.761	0.701	7776.4936	9.334	-	1.107	0.916
7749.4378	8.966	0.564	0.930	0.800					
					X Lac				
7750.4317	9.220	0.642	1.078	0.930	7738.4621	8.492	-	0.984	0.855
7751.4420	9.321	-	1.107	0.908	7739.4384	8.560	0.644	1.018	0.875

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					X Lac				
7740.4515	8.533	-	0.992	0.839	7772.4942	8.605	-	1.030	-
7741.4303	8.154	0.511	0.833	0.714	7773.3465	8.449	0.516	0.933	0.834
7742.4197	8.242	0.526	0.882	0.772	7773.4919	8.343	-	0.897	0.790
7743.4036	8.414	0.585	0.957	0.841	7774.3515	8.175	0.460	0.826	0.743
7744.4357	8.577	-	1.041	0.873	7775.3161	8.282	0.492	0.886	0.795
7745.4301	8.583	0.631	1.028	0.889	7775.4852	8.290	-	0.900	0.789
7746.4342	8.327	-	0.898	0.758	7776.3309	8.450	0.586	1.006	0.849
7747.3850	8.181	-	0.847	0.751	7776.4959	8.474	-	0.992	0.842
7748.4375	8.383	0.536	0.891	0.811	Z Lac				
7749.4382	8.519	0.635	0.977	0.842	7738.4596	8.252	-	1.096	0.910
7750.4337	8.666	0.608	1.030	0.906	7739.4341	8.331	0.863	1.183	0.959
7751.4424	8.485	-	0.939	0.827	7740.4496	8.512	-	1.289	0.999
7752.4320	8.151	-	0.821	0.721	7741.4250	8.658	1.184	1.361	1.044
7753.4106	8.265	0.484	0.873	0.782	7742.4156	8.801	1.177	1.398	1.054
7754.4028	8.418	0.571	0.966	0.850	7743.3995	8.831	1.045	1.318	1.054
7755.4319	8.540	0.635	1.029	0.904	7744.4329	8.646	-	1.190	1.002
7756.4265	8.529	0.559	1.018	0.862	7745.4260	8.452	0.720	1.094	0.927
7757.4003	8.239	0.481	0.856	0.790	7746.4327	8.323	-	1.091	0.844
7758.3714	8.161	0.458	0.835	0.750	7747.3835	7.877	-	0.860	0.769
7758.4806	8.177	-	0.844	0.757	7748.4324	8.165	0.649	1.020	0.885
7759.3585	8.322	0.541	0.951	0.787	7749.4355	8.266	0.740	1.076	0.914
7759.4781	8.334	-	0.976	0.798	7750.4295	8.433	0.867	1.208	0.994
7760.4182	8.495	0.598	1.016	0.888	7751.4314	8.529	1.001	1.285	1.026
7761.4483	8.573	-	1.069	0.863	7752.4295	8.694	-	1.346	1.058
7762.4239	8.440	-	0.942	0.832	7753.4062	8.816	1.107	1.384	1.053
7762.4935	8.425	-	0.936	0.821	7754.3981	8.794	1.001	1.321	1.039
7763.2688	8.172	-	0.814	0.734	7755.4272	8.550	0.758	1.184	0.999
7764.2738	8.244	-	0.880	0.781	7756.4222	8.368	0.649	1.113	0.888
7765.4852	8.443	-	1.017	0.841	7757.3948	8.277	0.653	1.014	0.912
7766.2886	8.544	-	1.053	0.882	7758.3684	7.875	0.491	0.840	0.758
7767.3814	8.547	0.573	1.015	0.837	7758.4819	7.849	-	0.863	0.782
7770.3357	8.352	0.538	0.940	0.825	7759.3547	8.125	0.623	1.058	0.857
7771.3236	8.513	0.608	1.009	0.884	7759.4751	8.134	-	1.077	0.883
7772.3188	8.605	0.578	1.038	0.882	7760.4147	8.240	0.740	1.120	0.961

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
Z Lac					RR Lac				
7761.4470	8.375	-	1.244	0.967	7751.4410	8.824	-	0.966	0.815
7762.4225	8.526	-	1.301	1.038	7752.4303	9.019	-	1.035	0.902
7762.4897	8.558	-	1.331	1.041	7753.4085	9.191	0.733	1.098	0.900
7763.2663	8.681	-	1.364	1.049	7754.4002	9.144	0.609	1.029	0.876
7764.2719	8.803	-	1.375	1.051	7755.4290	8.486	0.418	0.734	0.705
7765.4818	8.768	-	1.299	1.015	7756.4236	8.499	0.451	0.785	0.709
7766.2871	8.578	-	1.204	0.975	7757.3977	8.728	0.528	0.922	0.819
7767.3760	8.386	0.696	1.068	0.896	7758.3689	8.893	0.583	0.987	0.855
7768.3720	8.238	0.607	1.039	0.900	7758.4775	8.907	-	0.984	0.847
7770.3316	8.142	0.633	1.050	0.886	7759.3563	9.115	0.682	1.108	0.879
7771.3188	8.247	0.732	1.131	0.945	7759.4761	9.119	-	1.112	0.903
7772.3142	8.406	0.841	1.224	0.988	7760.4159	9.211	0.665	1.079	0.935
7772.4901	8.435	-	1.220	-	7761.4472	8.776	-	0.878	0.752
7773.3419	8.554	0.965	1.309	1.026	7762.4227	8.428	-	0.745	0.693
7773.4883	8.551	-	1.314	-	7762.4908	8.456	-	0.778	0.682
7774.3474	8.728	1.064	1.365	1.069	7763.2670	8.632	-	0.855	0.762
7775.3111	8.846	1.116	1.355	1.072	7764.2726	8.830	-	0.964	0.830
7775.4823	8.824	-	1.347	1.080	7765.4829	9.073	-	1.067	0.877
7776.3258	8.803	0.957	1.305	1.070	7766.2873	9.181	-	1.122	0.907
7776.4895	8.754	-	1.274	1.031	7767.3787	9.066	0.573	0.998	0.855
RR Lac					7768.3747	8.427	0.396	0.709	0.683
7738.4599	8.853	-	0.947	0.832	7770.3333	8.782	0.529	0.926	0.833
7739.4357	8.949	0.675	1.006	0.871	7771.3203	8.936	0.608	1.007	0.878
7740.4503	9.189	-	1.098	0.914	7772.3164	9.158	0.675	1.105	0.921
7741.4272	9.153	-	1.045	0.858	7772.4916	9.193	-	1.081	-
7742.4176	8.643	0.457	0.803	0.694	7773.3442	9.209	0.676	1.077	0.903
7743.4015	8.536	0.445	0.747	0.730	7773.4894	9.160	-	1.042	-
7744.4343	8.756	-	0.920	0.797	7774.3492	8.764	0.440	0.828	0.749
7745.4267	8.906	0.593	1.000	0.877	7775.3131	-	0.411	-	-
7746.4330	9.141	-	1.122	0.889	7775.4834	8.489	-	0.764	0.708
7747.3838	9.199	-	1.118	0.902	7776.3277	8.705	0.482	0.893	0.804
7748.4351	8.946	0.563	0.907	0.802	7776.4918	8.720	-	0.882	0.797
7749.4362	8.447	0.435	0.681	0.659	Y Oph				
7750.4312	8.741	0.451	0.810	0.776	7735.2280	6.058	1.015	1.430	1.203

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	Y Oph					Y Oph			
7736.2173	6.118	1.067	1.460	1.233	7770.1390	6.078	1.021	1.447	1.203
7737.2174	6.196	1.144	1.452	1.263	7771.1382	6.160	1.082	1.475	1.224
7738.2349	6.205	1.162	1.506	1.256	7772.1332	6.220	1.131	1.466	1.250
7739.2036	6.291	1.205	1.516	1.268	7773.1388	6.273	1.178	1.521	1.271
7740.2077	6.325	1.173	1.541	1.270	7774.1542	6.303	1.141	1.540	1.262
7741.1997	6.377	1.188	1.512	1.291	7775.1318	6.328	1.186	1.546	1.271
7742.2158	6.383	1.128	1.506	1.262	7776.1352	6.321	1.165	1.523	1.248
7743.1996	6.328	1.124	1.487	1.244		BF Oph			
7744.1912	6.294	1.100	1.462	1.215	7736.1908	7.581	-	1.107	0.836
7745.1902	6.230	1.060	1.395	1.206	7737.1826	7.669	-	0.925	0.841
7746.1918	6.055	0.975	1.328	1.165	7738.1992	6.972	0.240	0.840	0.620
7747.1843	5.936	0.890	1.290	1.127	7739.1814	7.340	0.528	0.956	0.765
7748.1848	5.877	0.895	1.248	1.112	7740.1810	7.521	0.646	1.015	0.822
7748.1856	5.868	-	1.270	1.117	7741.1760	7.679	0.638	0.973	0.838
7749.1624	5.851	0.900	1.271	1.116	7742.1897	7.033	0.261	0.682	0.594
7750.1625	5.905	0.940	1.298	1.121	7742.1929	7.018	0.251	0.717	0.578
7751.1718	5.959	0.963	1.347	1.152	7743.1757	7.292	0.507	0.923	0.716
7752.1586	6.042	1.031	1.389	1.202	7744.1682	7.491	0.614	1.026	0.777
7753.1554	6.096	1.089	1.425	1.214	7745.1664	7.646	0.555	1.012	0.783
7754.1651	6.166	1.115	1.476	1.230	7746.1627	6.940	0.363	0.641	0.633
7755.1530	6.222	1.172	1.486	1.229	7747.1592	7.246	0.564	0.808	0.743
7756.1830	6.307	1.190	1.510	1.271	7748.1605	7.536	0.639	0.991	0.808
7757.1561	6.315	1.205	1.531	1.270	7749.1545	7.557	0.599	1.098	0.846
7758.1529	6.350	1.199	1.529	1.277	7750.1605	6.878	0.402	0.716	0.538
7759.1478	6.341	1.173	1.499	1.258	7751.1699	7.219	0.458	0.928	0.709
7760.1670	6.336	1.121	1.490	1.275	7752.1572	7.528	0.683	1.026	0.820
7761.1492	6.310	1.104	1.446	1.239	7753.1540	7.580	0.695	1.048	0.787
7762.1515	6.209	1.036	1.419	1.195	7754.1631	7.003	0.351	0.722	0.624
7763.1414	6.094	0.991	1.358	1.167	7755.1518	7.212	0.506	0.821	0.705
7764.1448	5.956	0.923	1.286	1.148	7756.1618	7.497	0.695	0.998	0.803
7766.1405	5.876	0.885	1.276	1.110	7757.1525	7.618	0.670	1.024	0.811
7767.1514	5.908	0.890	1.318	1.148	7758.1505	7.086	0.354	0.828	0.672
7768.1437	6.012	0.977	1.316	1.176	7759.1465	7.222	0.436	0.798	0.786
7769.1441	6.023	-	1.388	1.180	7760.1647	7.464	0.645	0.957	0.836

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					CI Per			
7761.1527	7.646	0.658	1.014	0.846	7776.4314	12.497	-	0.742	0.767
7762.1540	7.093	0.379	0.786	0.700		S Sge			
7763.1456	7.152	-	0.890	0.668	7734.3584	5.389	0.441	0.741	0.633
7764.1478	7.454	0.663	1.024	0.789	7735.3808	5.361	0.385	0.722	0.646
7766.1428	7.196	0.500	0.817	0.658	7736.3862	5.656	0.544	0.897	0.740
7767.1548	7.151	0.409	0.862	0.700	7737.3798	5.725	0.710	0.958	0.737
7768.1473	7.485	-	0.913	0.804	7738.3605	5.978	0.779	1.005	0.795
7769.1482	7.607	0.640	1.063	0.839	7739.3360	5.946	0.685	0.978	0.755
7770.1436	7.282	0.428	0.803	0.748	7740.3528	5.673	0.383	0.857	0.661
7771.1418	7.091	0.383	0.860	0.701	7741.2592	5.319	0.293	0.632	0.610
7772.1375	7.404	0.628	0.867	0.810	7742.2485	5.392	0.364	0.701	0.663
7773.1446	7.582	0.608	1.135	0.893	7743.2378	5.393	0.357	0.732	0.653
7775.1353	7.067	0.454	0.803	0.657	7744.2282	5.541	0.458	0.803	0.720
7776.1395	-	0.578	1.001	-	7745.2233	5.677	0.582	0.979	0.721
	CI Per				7746.2322	5.855	0.710	1.012	0.753
7758.4447	12.813	-	0.838	0.810	7747.2217	5.969	0.752	1.037	0.772
7759.4254	12.361	-	0.715	0.651	7748.2276	5.854	0.545	0.934	0.700
7760.4577	12.659	-	0.809	0.786	7749.1396	5.528	0.379	0.741	0.667
7762.4572	12.490	-	0.748	0.692	7749.2078	5.525	0.373	0.693	0.695
7763.4717	12.567	-	0.801	-	7750.2163	5.311	0.291	0.673	0.626
7765.4570	12.764	-	0.832	0.776	7751.1447	5.382	0.386	0.730	0.635
7766.4547	12.458	-	0.746	0.722	7751.2165	5.438	0.411	0.733	0.667
7767.4583	12.745	-	0.866	0.808	7752.1416	5.384	0.408	0.707	0.659
7768.4354	12.754	-	0.821	0.844	7752.2097	5.395	0.401	0.732	0.672
7770.4214	12.702	-	0.812	0.835	7753.1384	5.622	0.541	0.939	0.719
7771.4248	12.872	-	0.838	0.845	7753.2127	5.650	0.538	0.950	0.715
7772.3537	12.477	-	0.734	0.705	7754.1462	5.746	0.683	0.962	0.735
7773.3809	12.582	-	0.770	0.759	7754.2377	5.792	0.693	0.982	0.748
7773.4299	12.591	-	0.786	0.764	7755.1355	5.914	0.766	1.005	0.760
7774.3873	12.848	-	0.877	0.834	7755.2079	5.955	0.756	1.040	0.777
7774.4452	12.889	-	0.860	0.848	7756.1377	5.950	0.699	0.972	0.761
7775.3554	12.772	-	0.790	0.836	7756.2298	5.957	0.657	0.961	0.751
7775.4155	12.716	-	0.790	0.761	7757.1345	5.638	0.421	0.869	0.671
7776.3723	12.471	-	0.724	0.739	7757.2013	5.627	0.409	0.846	0.665

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	S Sge					S Sge			
7758.1327	5.299	0.306	0.618	0.582	7776.1193	5.418	0.403	0.712	0.646
7758.1967	5.278	0.263	0.654	0.577	7776.1879	5.423	0.380	0.730	0.655
7759.1307	5.400	0.396	0.682	0.645		GX Sge			
7759.2087	5.411	0.356	0.721	0.639	7734.3107	12.027	-	1.852	1.625
7760.1296	5.385	0.342	0.725	0.673	7735.3542	12.169	-	2.001	1.660
7760.2191	5.373	0.342	0.736	0.644	7736.3563	12.343	-	2.028	1.740
7761.1319	5.590	0.468	0.852	0.747	7737.3611	12.424	-	2.117	1.772
7761.2029	5.605	0.458	0.880	0.728	7738.3388	-	-	-	1.853
7762.1346	5.685	0.622	0.937	0.720	7739.3051	12.729	-	2.208	1.845
7762.2044	5.720	0.630	0.953	0.726	7740.3401	12.857	-	2.324	1.902
7763.1264	5.870	0.751	0.997	0.781	7741.2952	12.920	-	2.241	1.848
7763.2024	5.888	-	1.007	0.781	7742.3044	12.875	-	2.220	1.835
7764.1289	5.976	0.713	0.995	0.766	7743.2929	12.666	-	2.053	1.779
7764.2053	5.982	0.714	1.006	0.776	7744.2706	12.585	-	2.042	1.741
7766.1252	5.472	0.338	0.661	0.642	7745.2786	12.298	-	1.880	1.645
7766.2079	5.423	0.309	0.658	0.651	7746.2829	11.957	-	1.788	1.550
7767.1329	5.345	0.324	0.659	0.625	7747.2762	12.024	-	1.875	1.599
7767.2135	5.373	0.349	0.662	0.635	7748.2751	12.191	-	2.001	1.679
7768.1242	-	0.359	0.775	-	7749.2702	12.330	-	2.044	1.715
7768.2108	5.358	0.374	0.757	0.612	7750.2555	12.452	-	2.109	1.782
7769.1265	5.421	0.395	0.768	0.674	7751.2531	12.566	-	2.138	1.787
7769.2090	5.462	0.408	0.800	0.688	7752.2347	12.730	-	2.229	1.844
7770.1194	5.641	0.529	0.984	0.719	7753.2328	12.890	-	-	1.871
7770.1972	5.691	0.562	0.940	0.758	7754.2646	12.986	-	2.255	1.914
7771.1197	5.800	0.652	1.026	0.748	7755.2836	12.869	-	2.252	1.821
7771.1949	5.807	0.685	1.014	0.746	7756.2950	12.617	-	2.184	1.746
7772.1171	5.973	0.758	1.006	0.786	7757.2626	12.576	-	2.029	1.717
7772.1910	5.970	0.750	1.027	0.782	7758.2545	12.223	-	1.926	1.597
7773.1197	5.941	0.627	0.984	0.760	7759.2339	11.975	-	1.772	1.576
7773.1934	5.927	0.623	0.944	0.742	7760.2557	12.072	-	1.891	1.597
7774.1348	5.618	0.360	0.765	0.678	7761.2414	12.220	-	1.975	1.709
7774.2241	5.590	0.399	0.725	0.682	7762.2222	12.335	-	2.079	1.718
7775.1148	5.274	0.298	0.641	0.593	7763.1895	12.442	-	2.133	1.753
7775.1876	5.292	0.291	0.645	0.587	7764.1962	12.572	-	2.187	1.794

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
GX Sge					GY Sge				
7766.1964	12.907	-	2.267	1.891	7757.2642	10.084	-	2.310	1.932
7767.2459	12.948	-	2.268	1.843	7758.2575	10.114	-	2.308	1.934
7768.2434	12.802	-	2.209	1.817	7759.2361	10.153	-	2.326	1.957
7770.2333	12.554	-	2.031	1.725	7760.2579	10.188	-	2.350	1.960
7771.2218	12.167	-	1.816	1.609	7761.2437	10.186	-	2.364	1.973
7772.2207	11.971	-	1.830	1.577	7762.2260	10.238	-	2.351	1.982
7773.2475	12.084	-	1.888	1.633	7763.1933	10.218	-	2.371	1.978
7774.2525	12.235	-	1.959	1.708	7764.1984	10.236	-	2.390	1.978
7775.2156	12.353	-	2.047	1.747	7766.2007	10.300	-	2.399	2.008
7776.2189	12.483	-	2.144	1.831	7767.2484	10.304	-	2.416	1.989
GY Sge					U Sgr				
7734.3144	10.250	-	2.280	1.913	7768.2483	10.271	-	2.419	1.999
7735.3562	10.178	-	2.213	1.901	7770.2358	10.364	-	2.445	2.002
7736.3587	10.122	-	2.142	1.895	7771.2241	10.398	-	2.424	2.044
7737.3646	9.987	-	2.147	1.831	7772.2223	10.392	-	2.483	2.008
7738.3427	10.004	-	2.110	1.847	7773.2506	10.458	-	2.415	2.041
7739.3065	9.934	-	2.083	1.823	7774.2549	10.470	-	2.441	2.040
7740.3422	9.879	-	2.112	1.846	7775.2187	10.483	-	2.451	2.035
7741.3016	9.846	-	2.110	1.808	7776.2227	10.528	-	2.457	2.057
7742.3084	9.846	-	2.091	1.803	7735.2577	6.979	0.834	1.226	1.019
7743.2987	9.854	-	2.095	1.797	7736.2377	6.434	0.579	1.015	0.825
7744.2748	9.865	-	2.119	1.808	7737.2434	6.420	0.621	0.940	0.859
7745.2812	9.887	-	2.109	1.841	7738.2518	6.548	0.661	1.150	0.946
7746.2857	9.895	-	2.156	1.808	7739.2210	6.671	0.818	1.173	0.970
7747.2794	9.884	-	2.157	1.808	7740.2361	6.871	0.896	1.276	0.989
7748.2777	9.927	-	2.174	1.844	7741.2251	7.083	0.973	1.278	1.096
7749.2721	9.964	-	2.166	1.857	7742.2362	6.878	0.648	1.107	0.941
7750.2601	9.962	-	2.188	1.887	7743.2201	6.324	0.533	0.904	0.830
7751.2555	9.964	-	2.203	1.892	7744.2071	6.412	0.630	1.005	0.849
7752.2390	9.987	-	2.244	1.871	7745.2067	6.615	0.674	1.107	0.958
7753.2371	10.040	-	2.228	1.914	7746.2100	6.739	0.842	1.151	1.021
7754.2673	10.058	-	2.293	1.928	7747.2023	6.953	0.976	1.249	1.034
7755.2853	10.046	-	2.270	1.918	7748.2060	7.056	0.904	1.309	1.015
7756.2990	10.043	-	2.308	1.909	7749.1852	6.670	0.657	1.087	0.924

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	U Sgr					VY Sgr			
7750.1832	6.266	0.608	0.924	0.772	7742.2200	12.009	-	2.180	1.846
7751.1887	6.474	0.677	1.055	0.887	7743.2027	11.703	-	2.104	1.814
7752.1655	6.647	0.789	1.115	0.942	7744.1947	11.625	-	2.007	1.742
7753.1705	6.818	0.877	1.243	0.986	7745.1938	11.426	-	1.901	1.704
7754.1858	6.977	0.960	1.283	1.049	7746.1941	10.835	-	1.644	1.574
7755.1794	7.057	0.937	1.236	1.040	7747.1890	10.995	-	1.824	1.615
7756.2044	6.589	0.629	1.029	0.921	7748.1900	11.123	-	1.958	1.671
7757.1759	6.355	0.595	0.920	0.854	7749.1692	11.191	-	2.063	1.712
7758.1707	6.539	0.654	1.140	0.942	7750.1688	11.300	-	2.122	1.711
7759.1619	6.644	0.732	1.119	0.978	7753.1629	11.780	-	2.288	1.842
7760.1790	6.865	0.897	1.233	1.005	7754.1736	11.921	-	2.219	1.882
7761.1437	7.025	0.986	1.277	1.055	7756.1932	11.880	-	2.246	1.830
7762.1454	6.986	0.843	1.217	0.999	7757.1655	11.663	-	2.142	1.775
7763.1368	6.471	0.602	0.947	0.827	7758.1613	11.570	-	2.036	1.745
7764.1404	6.363	0.603	0.998	0.846	7759.1538	11.078	-	1.749	1.622
7766.1352	6.672	0.819	1.123	0.953	7760.1713	10.961	-	1.791	1.595
7767.1444	6.864	0.893	1.277	1.001	7761.1560	11.069	-	1.817	1.664
7768.1376	7.076	0.993	1.277	1.011	7762.1572	11.169	-	1.989	1.695
7769.1388	6.889	0.732	1.162	0.994	7763.1495	11.310	-	2.040	1.744
7770.1327	6.322	0.572	0.905	0.809	7764.1532	11.443	-	2.111	1.809
7771.1333	6.430	0.599	1.020	0.880	7766.1474	11.741	-	2.203	1.859
7772.1280	6.603	0.737	1.049	0.954	7767.1618	11.896	-	2.271	1.881
7773.1313	6.725	0.804	1.242	0.980	7768.1535	11.976	-	2.244	1.870
7774.1455	6.887	0.901	1.280	1.004	7769.1539	11.937	-	2.211	1.882
7775.1257	7.058	0.944	1.282	1.063	7770.1503	11.768	-	2.118	1.809
7776.1300	6.710	0.653	1.096	0.914	7771.1478	11.620	-	2.058	1.771
	VY Sgr				7772.1431	11.494	-	1.901	1.720
7735.2359	11.228	-	2.008	1.732	7773.1502	10.828	-	1.676	1.563
7736.2238	11.342	-	2.121	1.750	7774.1788	10.947	-	1.841	1.593
7737.2262	11.480	-	2.107	1.802	7775.1414	11.129	-	1.893	1.696
7738.2402	11.569	-	2.214	1.838	7776.1445	11.237	-	2.000	1.678
7739.2085	11.756	-	2.233	1.853		YZ Sgr			
7740.2146	11.864	-	2.255	1.877	7735.2922	7.284	-	1.080	0.871
7741.2067	12.017	-	2.258	1.911	7736.2760	7.478	-	1.154	0.943

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
YZ Sgr					YZ Sgr				
7737.2759	7.579	-	1.181	0.938	7772.1259	7.045	0.548	-	0.801
7738.2691	7.656	0.905	1.240	0.951	7773.1282	7.222	0.663	1.085	0.859
7739.2426	7.609	0.812	1.143	0.912	7774.1434	7.333	0.768	1.150	0.860
7740.2733	7.374	0.602	1.003	0.850	7775.1236	7.542	0.869	1.207	0.970
7741.2433	7.170	0.536	0.894	0.821	7775.1665	7.552	0.914	1.190	0.942
7742.2695	7.133	0.494	0.925	0.782	7776.1273	7.659	0.948	1.230	0.943
7743.2533	6.987	0.550	0.913	0.747	AP Sgr				
7744.2358	7.218	0.637	1.024	0.854	7735.2397	6.757	0.444	0.794	0.683
7745.2400	7.323	0.724	1.092	0.876	7736.2258	7.016	0.566	0.968	0.751
7746.2423	7.499	0.864	1.129	0.943	7737.2287	7.213	0.673	0.948	0.791
7747.2345	7.613	0.925	1.267	0.916	7738.2422	7.288	0.617	1.034	0.836
7748.2395	7.639	0.866	1.208	0.947	7739.2112	6.592	0.362	0.662	0.608
7749.2213	7.459	0.668	1.102	0.905	7740.2183	6.735	0.399	0.753	0.651
7750.2293	7.234	0.584	0.973	0.776	7741.2078	7.033	0.500	0.897	0.767
7751.2253	7.187	0.526	0.947	0.808	7742.2213	7.222	-	0.968	0.751
7752.1925	7.083	0.562	0.912	0.757	7743.2060	7.277	0.642	0.990	0.796
7753.1986	7.098	0.575	0.992	0.813	7744.1964	6.679	0.344	0.664	0.600
7754.2141	7.246	0.683	1.070	0.851	7745.1956	6.696	0.382	0.709	0.620
7755.2211	7.416	0.811	1.136	0.914	7746.1973	6.941	0.541	0.821	0.738
7756.2468	7.599	0.911	1.188	0.977	7747.1911	7.185	0.645	0.934	0.797
7757.2221	7.685	0.967	1.208	0.951	7748.1915	7.317	0.672	1.027	0.795
7758.2234	7.611	0.773	1.187	0.931	7749.1710	6.708	0.368	0.741	0.634
7759.1917	7.407	0.602	1.013	0.894	7750.1718	-	0.433	0.692	0.560
7760.2045	7.167	-	0.904	0.777	7751.1817	6.922	-	0.897	0.711
7761.1412	7.183	0.570	0.935	0.793	7752.1634	7.176	0.662	0.981	0.783
7762.1417	6.974	0.524	0.893	0.754	7753.1676	7.317	0.712	1.028	0.835
7763.1352	7.184	-	1.010	0.837	7754.1751	6.801	0.389	0.777	0.619
7764.1384	7.304	0.741	1.075	0.902	7755.1660	6.646	0.410	0.692	0.576
7766.1333	7.634	-	1.221	0.949	7756.1950	6.976	0.538	0.855	0.775
7767.1428	7.677	-	1.221	0.945	7757.1669	7.135	0.598	0.987	0.775
7768.1343	7.579	-	1.067	0.870	7758.1624	7.341	0.679	1.003	0.864
7769.1349	7.330	0.609	0.953	0.884	7759.1565	6.908	0.410	0.729	0.712
7770.1289	7.147	0.548	0.911	0.776	7760.1733	6.624	0.356	0.718	0.579
7771.1300	7.106	0.519	0.950	0.770	7761.1470	6.927	0.532	0.846	0.743

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
AP Sgr					AV Sgr				
7762.1488	7.093	0.616	0.968	0.793	7754.1689	11.675	-	2.330	1.946
7763.1392	7.313	0.749	0.980	0.825	7755.1540	11.748	-	2.421	1.911
7764.1427	6.968	0.464	0.805	0.710	7756.1869	11.845	-	2.442	1.973
7766.1383	6.900	0.520	0.857	0.724	7757.1578	11.790	-	2.293	1.967
7767.1492	7.108	0.629	0.945	0.788	7758.1547	11.651	-	2.276	1.898
7768.1418	7.332	-	0.967	0.760	7759.1524	11.545	-	2.139	1.878
7769.1417	7.016	0.404	0.860	0.712	7760.1687	11.372	-	2.072	1.777
7770.1373	6.583	0.370	0.635	0.597	7761.1547	10.649	-	1.750	1.606
7771.1389	6.889	0.470	0.869	0.707	7762.1551	10.761	-	1.878	1.675
7772.1313	7.109	0.610	0.877	0.800	7763.1489	10.902	-	1.935	1.707
7773.1371	7.255	0.679	1.063	0.811	7764.1494	11.025	-	2.040	1.782
7774.1512	7.043	0.464	0.880	0.689	7766.1469	11.246	-	2.195	1.831
7775.1290	6.547	0.358	0.629	0.586	7767.1604	11.400	-	2.228	1.874
7776.1338	6.818	0.464	0.846	0.691	7768.1519	11.521	-	2.267	1.862
AV Sgr					7769.1503	11.650	-	2.364	1.950
7735.2311	11.247	-	2.196	1.861	7770.1476	11.715	-	2.356	1.916
7736.2211	11.352	-	-	1.842	7771.1467	11.795	-	2.373	1.936
7737.2198	11.535	-	2.275	1.941	7772.1394	11.800	-	2.243	1.954
7738.2374	11.576	-	2.374	1.934	7773.1470	11.696	-	2.270	1.924
7739.2059	11.753	-	2.348	1.951	7774.1783	11.528	-	2.182	1.838
7740.2109	11.786	-	2.391	1.915	7775.1390	11.510	-	2.124	1.829
7741.2005	11.845	-	2.338	1.954	7776.1418	10.892	-	1.854	1.640
7742.2168	11.793	-	2.239	1.883	V4061 Sgr				
7743.2001	11.534	-	2.158	1.873	7736.2923	11.343	-	1.673	1.339
7744.1916	11.511	-	2.148	1.779	7740.2847	11.382	-	1.658	1.366
7745.1915	11.050	-	1.909	1.668	7741.2537	11.389	-	1.676	1.366
7746.1935	10.655	-	1.750	1.617	7742.2785	11.415	-	1.595	1.319
7747.1864	10.857	-	1.870	-	7743.2641	11.454	-	1.654	1.332
7748.1878	10.943	-	2.011	1.724	7744.2444	11.443	-	1.672	1.387
7749.1661	11.016	-	2.085	1.815	7745.2499	11.438	-	1.677	1.364
7750.1670	11.106	-	2.111	1.784	7746.2534	11.417	-	1.610	1.397
7751.1754	11.300	-	2.184	1.881	7747.2455	11.449	-	1.704	1.403
7752.1599	11.452	-	2.238	1.895	7748.2498	11.434	-	1.759	1.363
7753.1610	11.517	-	2.352	1.879	7749.2334	11.430	-	1.723	1.396

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V4061 Sgr					RU Sct				
7750.2319	11.446	-	1.678	1.363	7744.2257	8.867	-	1.391	1.260
7751.2293	11.541	-	1.720	1.422	7745.2208	8.908	-	1.418	1.283
7754.2210	11.544	-	1.718	1.377	7746.2258	9.020	-	1.489	1.338
7755.2296	11.543	-	1.757	1.393	7747.2188	9.120	-	1.553	1.414
7756.2538	11.532	-	1.757	1.369	7748.2252	9.181	-	1.631	1.418
7757.2285	11.550	-	1.740	1.390	7749.2035	9.231	-	1.690	1.481
7758.2295	11.541	-	1.838	1.393	7750.2024	9.304	-	1.778	1.479
7759.1941	11.584	-	1.675	1.467	7751.2089	9.445	-	1.792	1.543
7760.2159	11.535	-	1.763	1.322	7752.1861	9.536	-	1.854	1.559
7761.1901	11.580	-	1.712	1.408	7753.1921	9.623	-	1.902	1.590
7762.1864	11.544	-	1.729	1.407	7754.2068	9.708	-	1.954	1.599
7763.1761	11.547	-	1.699	1.375	7755.2055	9.800	-	1.960	1.627
7764.1785	11.561	-	1.773	1.405	7756.2273	9.891	-	1.958	1.633
7766.1779	11.507	-	1.703	1.386	7757.1983	9.908	-	1.955	1.632
7767.1998	11.538	-	1.672	1.421	7758.1937	9.925	-	1.937	1.632
7768.1980	11.529	-	1.660	1.351	7759.1838	9.881	-	1.884	1.582
7769.1950	11.460	-	1.704	1.328	7760.1996	9.861	-	1.844	1.571
7770.1842	11.446	-	1.626	1.347	7761.1753	9.861	-	1.861	1.547
7771.1853	11.404	-	1.676	1.329	7762.1757	9.795	-	1.791	1.517
7772.1782	11.406	-	1.566	1.346	7763.1667	9.362	-	1.585	1.402
7773.1803	11.406	-	1.609	1.344	7764.1677	8.814	-	1.385	1.249
7774.2115	11.324	-	1.654	1.283	7766.1671	9.056	-	1.513	1.369
7775.1745	11.396	-	1.619	1.343	7767.1863	9.133	-	1.582	1.400
7776.1765	11.341	-	1.627	1.293	7768.1816	9.202	-	1.646	1.437
RU Sct					7769.1818	9.272	-	1.679	1.487
7735.2873	9.779	-	1.937	1.634	7770.1704	9.347	-	1.767	1.507
7736.2725	9.852	-	1.959	1.624	7771.1689	9.455	-	1.823	1.531
7737.2730	9.892	-	1.939	1.617	7772.1664	9.547	-	1.850	1.564
7738.2671	9.874	-	1.950	1.594	7773.1687	9.645	-	1.899	1.593
7739.2360	9.888	-	1.893	1.605	7774.1972	9.748	-	1.921	1.608
7740.2537	9.832	-	1.860	1.564	7775.1610	9.829	-	1.962	1.633
7741.2411	9.852	-	1.859	1.576	7776.1646	9.887	-	1.930	1.630
7742.2607	9.843	-	1.784	1.568	SS Sct				
7743.2519	9.564	-	1.647	1.443	7735.2899	8.053	-	0.886	0.754

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
SS Sct					SS Sct				
7736.2746	8.085	-	0.943	0.808	7771.1734	8.437	0.621	1.081	0.902
7737.2742	8.299	-	1.054	0.857	7772.1711	7.959	0.429	0.815	0.748
7738.2686	8.404	-	1.068	0.888	7773.1737	8.143	-	0.964	0.843
7739.2366	7.923	-	0.824	0.752	7774.2028	8.359	0.655	1.062	0.902
7740.2700	8.187	0.558	0.954	-	7775.1658	8.416	0.593	1.037	0.887
7741.2421	8.371	-	1.054	0.900	7776.1692	7.909	0.438	0.837	0.738
7742.2612	8.363	0.547	0.969	0.870	SU Sct				
7743.2523	7.938	-	0.845	0.735	7735.2988	13.415	-	0.821	0.734
7744.2344	8.253	0.597	1.030	0.852	7736.2811	13.902	-	0.936	0.876
7745.2396	8.406	-	1.072	0.905	7737.2790	-	-	1.010	-
7746.2419	8.134	-	0.885	0.814	7738.2743	13.409	-	0.899	0.776
7747.2331	8.048	-	0.913	0.807	7739.2487	13.684	-	0.871	0.769
7748.2379	8.297	-	1.077	0.880	7740.2797	13.970	-	1.086	0.862
7749.2194	8.414	0.661	1.079	0.865	7741.2490	13.453	-	0.816	0.794
7750.2070	7.912	-	0.797	0.750	7742.2736	13.239	-	0.652	0.631
7751.2130	8.151	-	0.974	0.842	7743.2582	13.862	-	1.049	0.915
7752.1909	8.388	-	1.064	0.888	7744.2405	13.494	-	0.903	0.770
7753.1971	8.378	-	1.031	0.864	7745.2434	13.232	-	0.598	0.612
7754.2129	7.967	-	0.856	0.746	7746.2515	13.909	-	0.976	0.969
7755.2197	8.239	-	1.028	0.854	7747.2378	13.580	-	0.945	0.856
7756.2453	8.411	-	1.063	0.913	7748.2436	13.222	-	0.667	0.637
7757.2207	8.148	0.493	0.901	0.825	7749.2263	13.912	-	0.924	-
7758.2220	8.050	0.465	0.936	0.788	7760.2069	13.361	-	0.815	0.714
7759.1902	8.321	0.624	1.026	0.900	7761.1814	14.010	-	0.995	0.875
7760.2037	8.434	-	1.079	0.883	7762.1815	13.812	-	1.011	-
7761.1794	7.964	0.436	0.829	0.752	7763.1715	13.332	-	0.799	-
7762.1805	8.163	-	0.970	0.826	7764.1732	13.910	-	0.981	-
7763.1702	8.355	-	1.054	0.918	7766.1736	13.407	-	0.821	-
7764.1719	8.385	-	1.032	0.874	7767.1979	13.630	-	0.752	0.842
7766.1722	8.221	-	0.999	0.871	7768.1944	13.879	-	1.035	0.863
7767.1906	8.440	-	1.058	0.920	7769.1919	13.463	-	0.881	0.772
7768.1866	8.212	0.535	0.912	0.819	7770.1799	13.299	-	0.666	0.640
7769.1856	8.038	0.454	0.925	0.779	7771.1745	13.883	-	1.043	0.866
7770.1754	8.295	0.594	1.045	0.909	7772.1719	13.542	-	0.861	0.826

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					TY Sct			
7773.1755	13.220	-	0.640	0.650	7764.1672	11.032	-	1.819	1.527
7774.2046	13.856	-	1.019	0.850	7766.1666	10.662	-	1.645	1.407
7775.1720	13.567	-	0.992	0.827	7767.1855	10.320	-	1.493	1.350
7776.1738	13.219	-	0.637	0.651	7768.1802	10.492	-	1.647	1.381
	TY Sct				7769.1808	10.642	-	1.678	1.498
7735.2850	10.529	-	1.655	1.430	7770.1697	10.772	-	1.796	1.514
7736.2716	10.676	-	1.741	1.488	7771.1678	10.954	-	1.868	1.573
7737.2714	10.795	-	1.825	1.517	7772.1645	11.103	-	1.913	1.593
7738.2667	10.957	-	1.878	1.571	7773.1676	11.216	-	1.916	1.619
7739.2345	11.115	-	1.929	1.598	7774.1956	11.194	-	1.901	1.590
7740.2531	11.217	-	1.928	1.600	7775.1599	11.080	-	1.803	1.576
7741.2406	11.152	-	1.869	1.579	7776.1638	10.836	-	1.733	1.484
7742.2595	11.032	-	1.748	1.558		UZ Sct			
7743.2508	10.839	-	1.674	1.459	7737.2485	10.888	-	-	1.486
7744.2245	10.600	-	1.630	1.401	7738.2546	10.764	-	1.698	1.492
7745.2204	10.287	-	1.515	1.330	7739.2232	10.886	-	1.769	1.547
7746.2250	10.511	-	1.655	1.413	7740.2402	11.074	-	1.856	1.566
7747.2175	10.693	-	1.715	1.486	7741.2275	11.123	-	1.890	1.593
7748.2238	10.795	-	-	1.518	7742.2391	11.272	-	1.966	1.624
7749.2023	10.942	-	1.888	1.566	7743.2224	11.336	-	1.990	1.681
7750.2005	11.094	-	1.936	1.577	7744.2096	11.451	-	2.062	1.676
7751.2074	11.236	-	1.910	1.643	7745.2087	11.568	-	2.058	1.690
7752.1847	11.181	-	1.912	1.557	7746.2125	11.625	-	2.050	1.701
7753.1906	11.048	-	1.812	1.534	7747.2067	11.649	-	2.074	1.665
7754.2060	10.812	-	1.701	1.446	7748.2084	11.598	-	2.020	1.667
7755.2038	10.629	-	1.641	1.411	7749.1880	11.436	-	1.956	1.674
7756.2260	10.304	-	1.498	1.351	7750.1857	11.341	-	1.916	1.603
7757.1968	10.500	-	1.631	1.415	7751.1919	11.201	-	1.865	1.543
7758.1924	10.637	-	1.728	1.479	7752.1695	10.867	-	1.695	1.490
7759.1823	10.813	-	1.775	1.534	7753.1757	10.799	-	1.721	1.485
7760.1973	10.957	-	1.872	1.554	7754.1883	10.932	-	1.798	1.540
7761.1740	11.116	-	1.916	1.584	7755.1822	11.068	-	1.882	1.551
7762.1743	11.209	-	1.932	1.601	7756.2077	11.174	-	1.967	1.627
7763.1654	11.192	-	1.862	1.592	7757.1800	11.282	-	1.987	1.644

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R		
		UZ Sct						CN Sct			
7758.1732	11.367	-	2.067	1.646	7750.1950	12.785	-	2.229	2.008		
7759.1671	11.498	-	2.038	1.714	7751.2047	12.800	-	2.231	1.998		
7760.1836	11.593	-	2.095	1.683	7752.1827	12.641	-	2.192	1.898		
7761.1628	11.641	-	2.059	1.706	7753.1861	12.441	-	2.021	1.899		
7762.1633	11.633	-	2.067	1.688	7754.2010	12.292	-	2.012	1.826		
7763.1566	11.546	-	2.010	1.681	7755.2024	12.145	-	1.954	1.805		
7764.1575	11.416	-	1.928	1.647	7756.2246	12.282	-	2.013	1.873		
7766.1565	11.130	-	1.778	1.528	7757.1952	12.409	-	2.160	1.913		
7767.1741	10.794	-	1.719	1.442	7758.1913	12.542	-	-	1.946		
7768.1668	10.847	-	1.722	1.525	7759.1815	12.709	-	2.250	1.992		
7769.1605	10.937	-	1.803	1.557	7760.1964	12.786	-	-	1.986		
7770.1567	11.069	-	1.856	1.595	7761.1702	12.800	-	2.226	1.976		
7771.1545	11.171	-	1.981	1.612	7762.1729	12.672	-	2.163	1.933		
7772.1522	11.279	-	1.992	1.630	7763.1623	12.429	-	2.047	1.885		
7773.1568	11.381	-	2.059	1.663	7764.1653	12.299	-	1.985	1.849		
7774.1854	11.490	-	2.083	1.671	7766.1636	12.233	-	2.038	1.861		
7775.1494	11.597	-	2.074	1.707	7767.1831	12.419	-	2.118	1.906		
7776.1525	11.629	-	2.074	1.688	7768.1759	12.521	-	2.164	1.936		
		CN Sct				7769.1768	12.688	-	2.248	1.994	
7735.2830	12.149	-	1.944	1.809	7770.1676	12.791	-	2.246	1.992		
7736.2695	12.266	-	2.040	1.865	7771.1631	12.806	-	2.226	2.005		
7737.2686	12.403	-	2.089	1.905	7772.1613	12.689	-	2.084	1.967		
7738.2649	12.533	-	2.192	1.984	7773.1653	12.404	-	2.057	1.862		
7739.2305	12.688	-	2.255	1.997	7774.1928	12.293	-	2.014	1.833		
7740.2498	12.819	-	2.265	2.008	7775.1571	12.144	-	1.956	1.814		
7741.2378	12.794	-	-	2.002	7776.1608	12.223	-	2.009	1.836		
7742.2588	12.677	-	2.101	1.929			EW Sct				
7743.2474	12.439	-	2.018	1.878	7735.2773	8.240	-	1.833	1.663		
7744.2226	12.281	-	1.989	1.847	7736.2629	7.855	1.290	1.667	1.539		
7745.2176	12.145	-	1.954	1.803	7737.2543	7.729	1.267	1.616	1.508		
7746.2226	12.254	-	2.007	1.897	7738.2594	7.924	1.364	1.753	1.571		
7747.2140	12.428	-	2.107	1.910	7739.2286	8.094	-	1.792	1.628		
7748.2220	12.554	-	2.171	1.946	7740.2454	8.135	-	1.749	1.620		
7749.2011	12.684	-	-	2.000	7741.2344	7.997	-	1.715	1.586		

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	EW Sct					V367 Sct			
7742.2441	7.999	1.304	1.707	1.589	7735.2675	11.600	-	1.823	1.716
7743.2447	7.869	1.279	1.686	1.556	7736.2450	11.772	-	1.924	1.738
7744.2195	7.827	1.308	1.673	1.529	7737.2502	11.753	-	1.834	1.728
7745.2151	7.922	1.346	1.709	1.584	7738.2564	11.407	-	1.711	1.621
7746.2194	8.130	1.470	1.792	1.642	7739.2252	11.270	-	1.716	1.596
7747.2123	8.253	-	1.813	1.655	7740.2408	11.565	-	1.856	1.706
7748.2144	7.834	1.232	1.652	1.486	7741.2305	11.774	-	1.890	1.769
7749.1942	7.706	-	1.599	1.516	7742.2398	11.876	-	1.879	1.737
7750.1934	7.944	-	1.727	1.598	7743.2249	11.651	-	1.821	1.695
7751.1980	8.163	1.491	1.844	1.647	7744.2113	11.398	-	1.739	1.620
7752.1754	8.213	1.456	1.799	1.651	7745.2110	11.490	-	1.788	1.653
7753.1825	7.956	1.320	1.707	1.564	7746.2147	11.591	-	1.827	1.726
7754.1988	7.891	1.316	1.679	1.549	7747.2076	11.616	-	1.844	1.690
7755.1918	7.927	1.325	1.713	1.566	7748.2105	11.612	-	1.885	1.659
7756.2167	7.956	1.341	1.709	1.589	7749.1903	11.694	-	1.877	1.719
7757.1882	7.953	1.367	1.728	1.588	7750.1886	11.649	-	1.814	1.706
7758.1846	8.100	1.429	1.802	1.618	7751.1939	11.407	-	1.762	1.626
7759.1734	8.185	-	1.791	1.633	7752.1706	11.328	-	1.719	1.600
7760.1907	7.807	-	1.629	1.525	7753.1772	11.542	-	1.824	1.682
7761.1681	7.712	1.277	1.606	1.510	7754.1917	11.775	-	1.939	1.732
7762.1687	7.950	-	1.735	1.584	7755.1856	11.857	-	1.904	1.739
7763.1611	8.193	-	1.822	1.658	7756.2121	11.566	-	1.828	1.657
7764.1627	8.235	-	1.805	1.644	7757.1816	11.313	-	1.699	1.606
7766.1619	7.834	-	1.647	1.555	7758.1782	11.499	-	1.855	1.659
7767.1804	7.992	-	1.726	1.589	7759.1684	11.671	-	1.864	1.723
7768.1729	8.071	1.444	1.743	1.570	7760.1850	11.707	-	1.882	1.714
7769.1732	8.028	1.395	1.722	1.608	7761.1635	11.664	-	1.811	1.699
7770.1644	8.063	1.380	1.743	1.626	7762.1653	11.648	-	1.843	1.706
7771.1604	8.078	1.394	1.770	1.591	7763.1574	11.571	-	1.780	1.675
7772.1581	7.803	1.255	1.624	1.527	7764.1593	11.478	-	1.731	1.664
7773.1629	7.748	-	1.660	1.512	7766.1585	11.597	-	1.818	1.716
7774.1902	7.957	1.394	1.725	1.600	7767.1766	11.801	-	1.935	1.744
7775.1539	8.221	1.501	1.816	1.675	7768.1683	11.843	-	1.878	1.742
7776.1587	8.231	-	1.821	1.636	7769.1612	11.535	-	1.735	1.669

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
V367 Sct					BQ Ser				
7770.1589	11.278	-	1.661	1.587	7761.1658	9.564	-	1.514	1.308
7771.1562	11.539	-	1.796	1.677	7762.1675	9.642	-	1.548	1.288
7772.1533	11.721	-	1.847	1.731	7763.1600	9.516	-	1.460	1.289
7773.1588	11.753	-	1.909	1.716	7764.1615	9.458	-	1.458	1.243
7774.1860	11.652	-	1.843	1.699	7766.1603	9.508	-	1.455	1.297
7775.1504	11.562	-	1.777	1.677	7767.1790	9.752	-	1.576	1.333
7776.1542	11.506	-	1.771	1.654	7768.1713	9.363	-	1.412	1.184
					7769.1694	9.299	0.890	1.387	1.227
BQ Ser					EF Tau				
7735.2712	9.292	-	1.369	1.213	7770.1622	9.606	1.033	1.538	1.323
7736.2477	9.528	-	1.494	1.282	7771.1587	9.708	-	1.578	1.316
7737.2529	9.753	-	1.568	1.333	7772.1568	9.392	-	1.388	1.237
7738.2575	9.284	-	1.387	1.201	7773.1614	9.437	-	1.434	1.249
7739.2266	9.282	-	1.409	1.227	7774.1889	9.473	-	1.459	1.254
7740.2438	9.660	-	1.522	1.338	7775.1527	9.545	-	1.475	1.306
7741.2332	9.643	-	1.540	1.304	7776.1569	9.672	-	1.667	1.337
7742.2430	9.461	-	1.419	1.278					
7743.2272	9.445	-	1.443	1.240	7760.4830	13.180	-	0.918	-
7744.2144	9.419	-	1.437	1.241	7768.4878	13.303	-	1.029	-
7745.2132	9.539	-	1.493	1.301	7770.4584	13.058	-	0.953	0.925
7746.2175	9.692	-	1.561	1.295	7771.4633	13.270	-	1.001	0.987
7747.2104	9.217	-	1.337	1.188	7772.4695	13.270	-	0.902	0.931
7748.2132	9.402	-	1.452	1.238	7773.4644	12.918	-	0.896	0.849
7749.1930	9.673	-	1.568	1.332	7774.4809	13.218	-	1.004	-
7750.1916	9.665	-	1.542	1.297	7775.4552	13.350	-	1.000	0.962
7751.1966	9.290	-	1.387	1.206	7776.4617	12.758	-	0.775	0.822
7752.1737	9.475	-	1.484	1.260					
S Vul					S Vul				
7753.1812	9.549	-	1.490	1.275	7734.3486	8.800	1.708	1.883	1.493
7754.1961	9.549	-	1.533	1.270	7735.3750	8.840	1.647	1.906	1.478
7755.1899	9.609	-	1.506	1.302	7736.3800	8.902	-	1.893	1.520
7756.2138	9.244	-	1.360	1.200	7737.3720	8.867	1.743	1.936	1.518
7757.1861	9.430	-	1.473	1.276	7738.3506	8.947	1.766	1.910	1.541
7758.1800	9.726	-	1.593	1.343	7739.3145	8.935	1.705	1.950	1.524
7759.1717	9.588	-	1.484	1.274	7740.3509	8.961	1.777	1.956	1.537
7760.1895	9.263	-	1.371	1.195	7741.3078	8.940	1.762	1.991	1.527

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
S Vul					T Vul				
7742.3174	8.960	1.878	1.976	1.560	7739.3829	5.870	0.365	0.807	0.619
7743.3063	8.969	1.846	1.965	1.528	7740.3550	6.018	0.425	0.772	0.637
7744.2859	8.984	1.848	1.995	1.567	7741.1483	5.817	0.245	0.608	0.566
7745.2910	9.028	1.823	1.995	1.575	7742.1679	5.457	0.192	0.548	0.496
7746.2958	9.047	1.826	2.045	1.541	7743.1475	5.717	0.345	0.772	0.581
7747.2854	9.030	1.869	2.007	1.550	7744.1436	5.916	0.421	0.777	0.633
7748.2837	9.076	1.890	2.016	1.587	7745.1409	5.977	0.413	0.777	0.610
7749.2805	9.111	1.888	2.028	1.555	7746.1477	5.494	0.210	0.376	0.544
7750.2689	9.098	1.819	2.034	1.589	7746.4836	5.464	0.220	0.520	0.504
7751.2683	9.112	1.909	2.035	1.581	7747.1431	5.586	0.287	0.668	0.534
7752.2470	9.142	1.931	2.040	1.575	7748.1457	5.854	0.418	0.754	0.637
7753.2472	9.170	1.948	2.027	1.587	7748.4783	5.924	0.483	0.718	0.630
7754.2858	9.189	-	2.036	1.600	7749.1375	6.005	0.457	0.788	0.642
7755.3147	9.186	1.963	2.052	1.613	7749.4787	6.011	0.455	0.742	0.619
7756.3111	9.182	1.970	2.061	1.589	7750.1408	5.629	0.264	0.607	0.511
7757.2776	9.233	-	2.047	1.606	7750.4791	5.413	0.184	0.490	0.420
7758.2698	9.236	1.931	2.031	1.583	7751.1423	5.497	0.245	0.524	0.512
7759.2491	9.255	2.011	2.066	1.596	7751.1433	5.492	0.240	0.535	0.510
7760.2672	9.266	-	2.080	1.580	7751.4816	5.586	0.260	0.639	0.555
7761.2560	9.279	1.924	2.067	1.624	7752.1400	5.766	0.369	0.741	0.602
7762.2372	9.304	1.979	2.024	1.600	7752.4757	5.811	0.414	0.738	0.593
7763.1994	9.263	-	2.051	1.585	7753.1305	5.940	0.466	0.789	0.628
7764.2173	9.271	-	2.042	1.605	7753.4785	6.009	0.468	0.747	0.677
7766.2165	9.271	-	2.021	1.587	7754.1445	5.966	0.396	0.734	0.600
7767.2554	9.241	1.803	1.988	1.576	7754.4683	5.748	0.260	0.666	0.557
7768.2616	9.180	1.774	1.985	1.579	7755.1334	5.431	0.230	0.407	0.493
7770.2445	9.160	1.721	1.928	1.564	7755.4872	5.474	-	0.575	0.502
7771.2353	9.110	1.643	1.925	1.549	7756.1355	5.627	0.292	0.710	0.539
7772.2293	9.068	1.593	1.921	1.514	7756.4867	5.705	0.364	0.660	0.572
7773.2585	9.041	1.522	1.861	1.513	7757.1330	5.845	0.418	0.761	0.619
7774.2629	8.974	1.474	1.844	1.479	7758.1304	6.005	0.456	0.781	0.629
7775.2274	8.916	1.423	1.808	1.457	7758.4853	5.952	0.393	0.750	0.603
7776.2306	8.880	1.386	1.804	1.462	7759.1290	5.553	0.236	0.524	0.503
					7760.1279	5.564	0.234	0.585	0.546

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				
7761.1302	5.780	0.338	0.765	0.606	7751.2563	7.091	0.838	1.267	1.112
7762.1331	5.944	0.459	0.784	0.613	7752.2403	6.764	0.726	1.157	1.002
7763.1250	5.913	0.371	0.695	0.598	7753.2378	6.889	0.769	1.239	1.061
7764.1272	5.418	0.197	0.465	0.490	7754.2687	6.939	0.822	1.282	1.095
7766.1235	5.924	0.438	0.773	0.627	7755.2870	7.172	0.969	1.390	1.175
7767.1308	6.008	0.439	0.796	0.619	7756.2999	7.297	1.040	1.468	1.199
7768.1224	5.571	0.179	0.483	0.446	7757.2659	7.450	1.102	1.498	1.233
7769.1247	5.591	0.264	0.569	0.563	7758.2591	7.423	1.003	1.431	1.205
7770.1177	5.788	0.351	0.811	0.570	7759.2371	7.117	0.819	1.300	1.095
7771.1179	5.981	0.445	0.799	0.614	7760.2585	6.766	0.715	1.155	1.006
7772.1155	5.850	0.289	0.676	0.583	7761.1342	6.883	0.777	1.214	1.086
7773.1177	5.458	0.228	0.512	0.504	7761.2441	6.906	0.782	1.226	1.078
7774.1321	5.726	0.302	0.698	0.582	7762.1363	6.916	0.816	1.278	1.067
7774.1338	5.742	0.305	0.677	0.613	7762.2277	6.954	0.822	1.263	1.096
7775.1128	5.920	0.378	0.827	0.654	7763.1281	7.133	0.940	1.372	1.170
7776.1173	6.000	0.423	0.775	0.629	7763.1946	7.155	0.923	1.382	1.180
U Vul					7764.1304	7.282	1.028	1.443	1.189
7734.3188	7.455	1.003	1.415	1.199	7764.1988	7.309	1.047	1.451	1.203
7735.3590	7.048	0.822	1.264	1.081	7766.1270	7.470	1.046	1.437	1.228
7736.3615	6.767	0.745	1.127	1.014	7766.2026	7.442	0.993	1.456	1.213
7737.3660	6.862	0.822	1.256	1.058	7767.1342	7.154	0.825	1.311	1.111
7738.3440	6.974	0.845	1.265	1.104	7767.2490	7.093	0.815	1.279	1.101
7739.3075	7.173	0.952	1.387	1.172	7768.1264	-	0.729	1.154	0.985
7740.3430	7.323	1.044	1.448	1.204	7768.2498	-	0.710	1.164	1.009
7741.3035	7.424	1.121	1.498	1.222	7769.1279	6.851	0.797	1.238	1.044
7742.3099	7.420	1.040	1.435	1.214	7770.1214	6.915	0.800	1.295	1.082
7743.2980	7.077	0.822	1.279	1.097	7770.2366	6.920	0.819	1.285	1.083
7744.2759	6.752	0.733	1.157	1.008	7771.1227	7.144	0.923	1.379	1.159
7745.2818	6.890	0.815	1.234	1.072	7771.2254	7.159	0.929	1.404	1.186
7746.2870	6.938	0.823	1.303	1.083	7772.1188	7.313	1.024	1.441	1.229
7747.2807	7.143	0.972	1.404	1.163	7772.2228	7.316	1.042	1.475	1.201
7748.2793	7.331	1.066	1.467	1.217	7773.1210	7.451	1.107	1.513	1.240
7749.2730	7.469	1.115	1.474	1.225	7773.2515	7.477	1.088	1.486	1.245
7750.2614	7.436	1.005	1.427	1.227	7774.1368	7.446	1.021	1.474	1.200

Table 1 (continued)

JD hel 2440000+	V	U-B	B-V	V-R	JD hel 2440000+	V	U-B	B-V	V-R
	U Vul					X Vul			
7774.2559	7.438	0.986	1.438	1.213	7762.2391	8.927	-	1.537	1.273
7775.1163	7.161	0.816	1.314	1.141	7763.2007	9.107	-	1.654	1.328
7775.2202	7.115	0.809	1.297	1.107	7764.2186	9.178	-	1.617	1.321
7776.1208	6.749	0.726	1.155	0.988	7766.2181	8.513	-	1.322	1.112
7776.2243	6.785	0.736	1.161	1.029	7767.2751	8.706	-	1.459	1.190
	X Vul				7768.2639	8.815	1.115	1.522	1.244
7734.3659	-	0.875	1.284	1.102	7770.2509	9.203	-	1.627	1.301
7735.3875	8.637	-	1.416	1.158	7771.2374	8.884	0.968	1.478	1.222
7736.3912	8.831	-	1.507	1.244	7772.2335	8.446	0.829	1.287	1.089
7737.3830	9.004	-	1.585	1.296	7773.2624	8.660	0.943	1.418	1.188
7738.3633	9.201	-	1.634	1.326	7774.2662	8.831	1.075	1.521	1.242
7739.3387	9.047	-	1.526	1.269	7775.2293	9.012	-	1.603	1.286
7740.3708	8.454	0.820	1.252	1.075	7776.2338	9.175	-	1.668	1.324
7741.3264	8.585	0.911	1.389	1.142		SV Vul			
7742.3315	8.727	1.099	1.524	1.235	7734.3530	6.969	1.176	1.479	1.159
7743.3211	8.899	1.175	1.564	1.280	7735.3775	7.017	1.204	1.490	1.133
7744.3019	9.113	1.278	1.647	1.324	7736.3810	7.078	-	1.508	1.158
7745.3041	9.163	-	1.628	1.326	7737.3757	7.090	1.319	1.580	1.180
7746.3083	8.640	0.891	1.381	1.139	7738.3542	7.177	1.374	1.560	1.207
7747.3032	-	0.873	1.336	1.109	7739.3182	7.178	1.350	1.571	1.200
7748.3006	8.718	1.021	1.463	1.201	7740.3514	7.204	1.390	1.617	1.199
7749.2980	8.834	1.091	1.521	1.230	7741.3130	7.230	1.426	1.641	1.214
7750.2885	9.081	-	1.617	1.304	7742.3178	7.253	1.482	1.650	1.239
7751.2826	9.179	-	1.636	1.321	7743.3067	7.288	1.478	1.641	1.224
7752.2521	8.918	-	1.460	1.213	7744.2889	7.332	1.487	1.670	1.259
7753.2529	8.452	0.846	1.282	1.079	7745.2914	7.375	1.553	1.674	1.270
7754.2889	8.646	0.900	1.427	1.176	7746.2963	7.406	1.513	1.718	1.253
7755.3218	8.821	1.087	1.512	1.267	7747.2907	7.411	1.542	1.703	1.263
7756.3182	9.000	1.187	1.606	1.285	7748.2880	7.464	1.566	1.704	1.272
7757.3008	9.156	1.273	1.648	1.316	7749.2862	7.499	1.575	1.691	1.262
7758.2915	9.074	1.092	1.504	1.268	7750.2738	7.512	1.565	1.701	1.283
7759.2615	8.451	0.841	1.291	1.064	7751.2707	7.528	1.594	1.707	1.276
7760.2740	8.577	0.895	1.371	1.151	7752.2512	7.593	1.617	1.714	1.279
7761.2598	8.776	1.051	1.486	1.226	7753.2522	7.639	1.608	1.717	1.290

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					AS Vul				
7754.2862	7.662	1.585	1.740	1.292	7746.2909	12.702	-	2.087	1.720
7755.3214	7.687	1.625	1.731	1.306	7747.2846	12.476	-	1.994	1.650
7756.3178	7.696	1.594	1.737	1.283	7748.2829	12.334	-	1.900	1.601
7757.2846	7.746	1.597	1.731	1.303	7749.2765	12.285	-	1.844	1.552
7758.2765	7.751	1.579	1.705	1.283	7750.2663	11.777	-	1.623	1.442
7759.2611	7.774	1.551	1.723	1.283	7751.2619	11.791	-	1.683	-
7760.2737	7.766	1.482	1.701	1.269	7752.2442	11.930	-	1.805	1.513
7761.2595	7.738	1.468	1.671	1.274	7753.2458	12.062	-	1.898	1.568
7762.2376	7.670	1.376	1.621	1.230	7754.2737	12.208	-	1.996	1.627
7763.1998	7.544	-	1.538	1.208	7755.3083	12.327	-	2.087	1.674
7764.2177	7.346	-	1.437	1.145	7756.3097	12.454	-	2.137	1.701
7766.2173	6.878	0.769	1.199	1.003	7757.2762	12.586	-	2.128	1.703
7767.2745	6.721	0.764	1.137	0.935	7758.2683	12.681	-	2.062	1.708
7768.2619	6.631	0.745	1.138	0.951	7759.2477	12.603	-	2.021	1.691
7770.2504	6.686	0.773	1.170	0.955	7760.2634	12.359	-	1.926	1.602
7771.2357	6.706	0.807	1.198	0.981	7761.2511	12.329	-	1.830	1.616
7772.2329	6.756	0.830	1.239	0.998	7762.2308	11.968	-	1.676	1.478
7773.2617	6.807	0.846	1.271	1.019	7763.1975	11.806	-	1.687	1.485
7774.2658	6.839	0.910	1.303	1.041	7764.2015	11.871	-	1.769	1.497
7775.2286	6.870	0.951	1.345	1.061	7766.2132	12.187	-	1.975	1.644
7776.2330	6.914	0.998	1.394	1.106	7767.2519	12.293	-	2.010	1.677
					7768.2537	-	-	2.072	1.682
7734.3313	12.570	-	2.060	1.696	7770.2401	12.692	-	2.110	1.716
7735.3693	12.457	-	1.951	1.623	7771.2294	12.614	-	2.070	1.705
7736.3739	12.332	-	1.854	1.591	7772.2263	12.384	-	1.949	1.619
7737.3709	12.153	-	1.811	1.530	7773.2552	12.330	-	1.858	1.587
7738.3480	11.782	-	1.613	1.462	7774.2595	12.080	-	1.758	1.531
7739.3119	11.819	-	1.732	1.489	7775.2233	11.806	-	1.673	1.452
7740.3472	11.961	-	1.819	1.556	7776.2275	11.882	-	1.762	1.530
7741.3068	12.066	-	1.919	1.566					
7742.3134	12.213	-	1.977	1.653					
7743.3018	12.359	-	2.016	1.666					
7744.2826	12.496	-	2.088	1.707					
7745.2847	12.647	-	2.118	1.730					

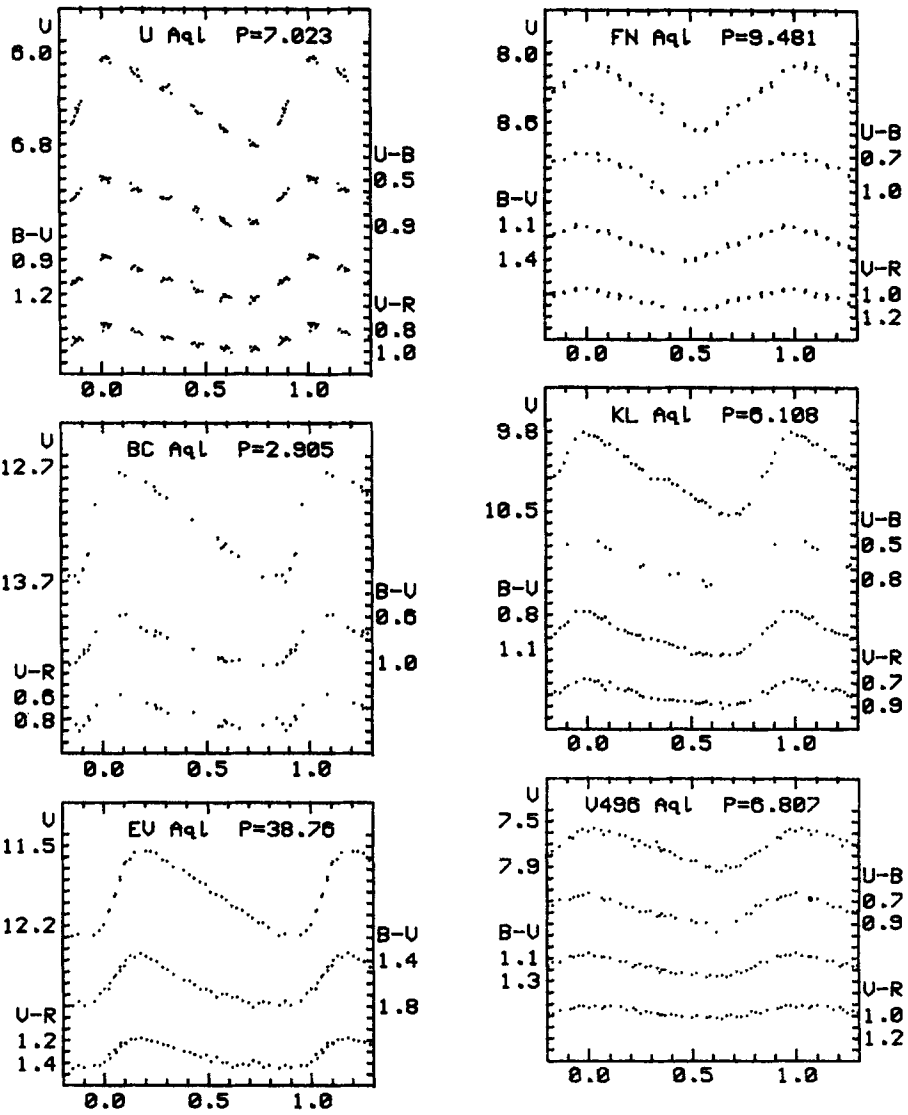


Figure 1 The light and colour curves for U Aql, BC Aql, EV Aql, FN Aql, KL Aql and V496 Aql.

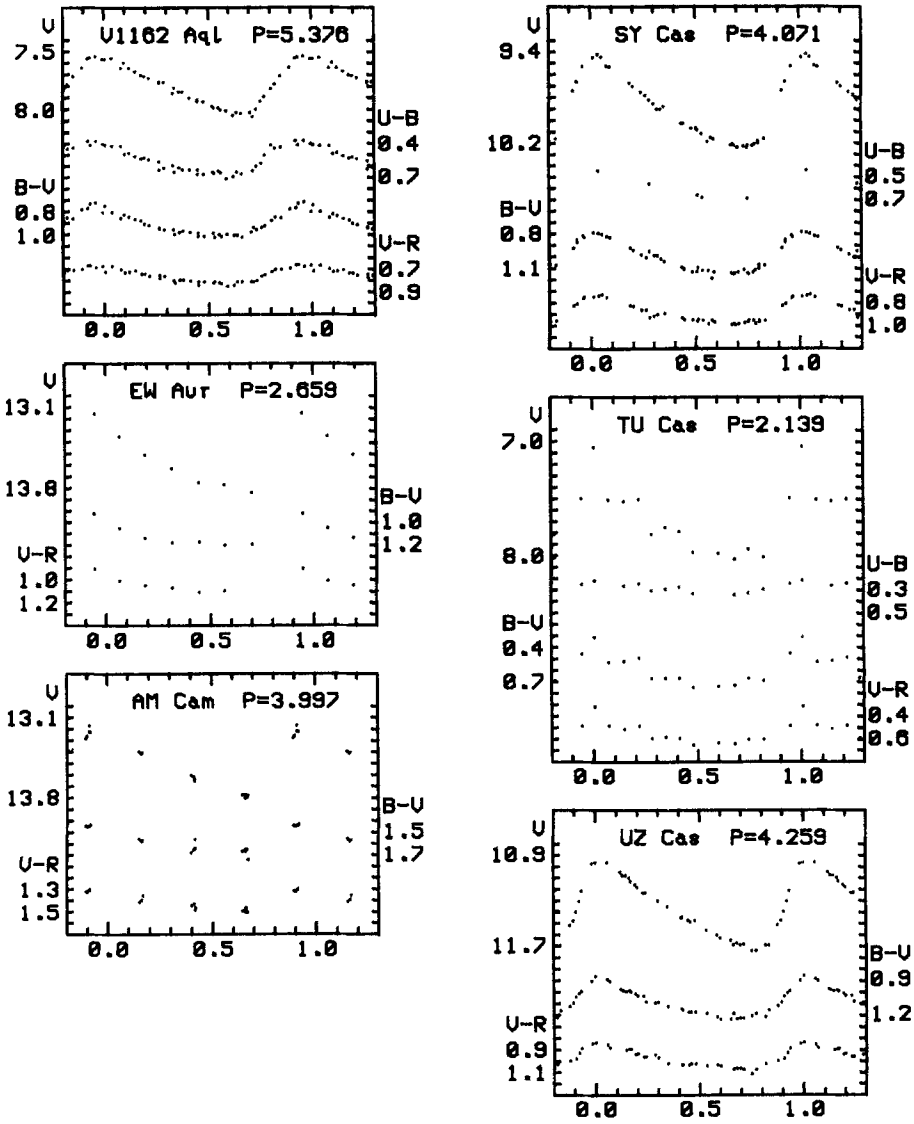


Figure 2 The light and colour curves for V1162 Aql, EW Aur, AM Cam, SY Cas, TU Cas and UZ Cas.

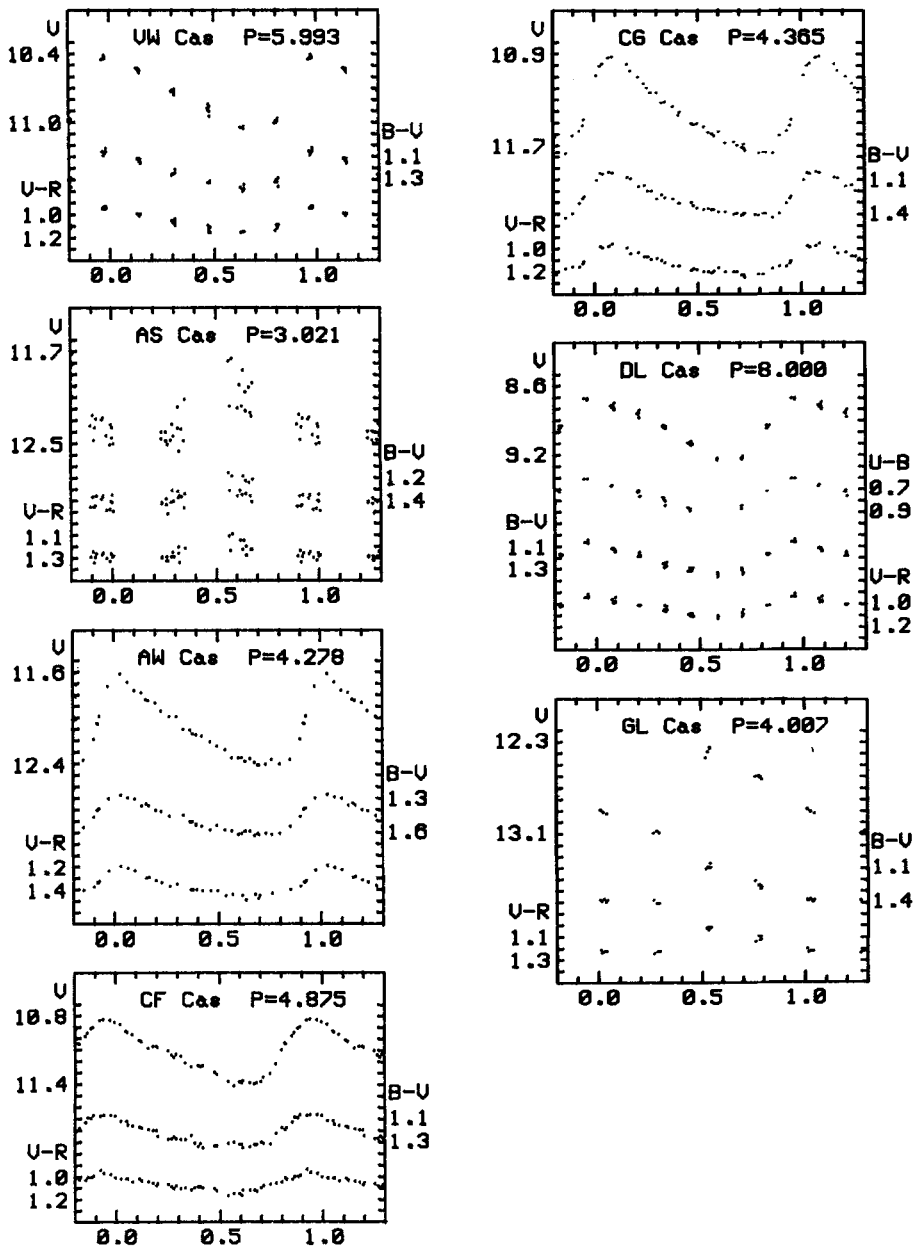


Figure 3 The light and colour curves for VW Cas, AS Cas, AW Cas, CF Cas, CG Cas, DL Cas and GL Cas.

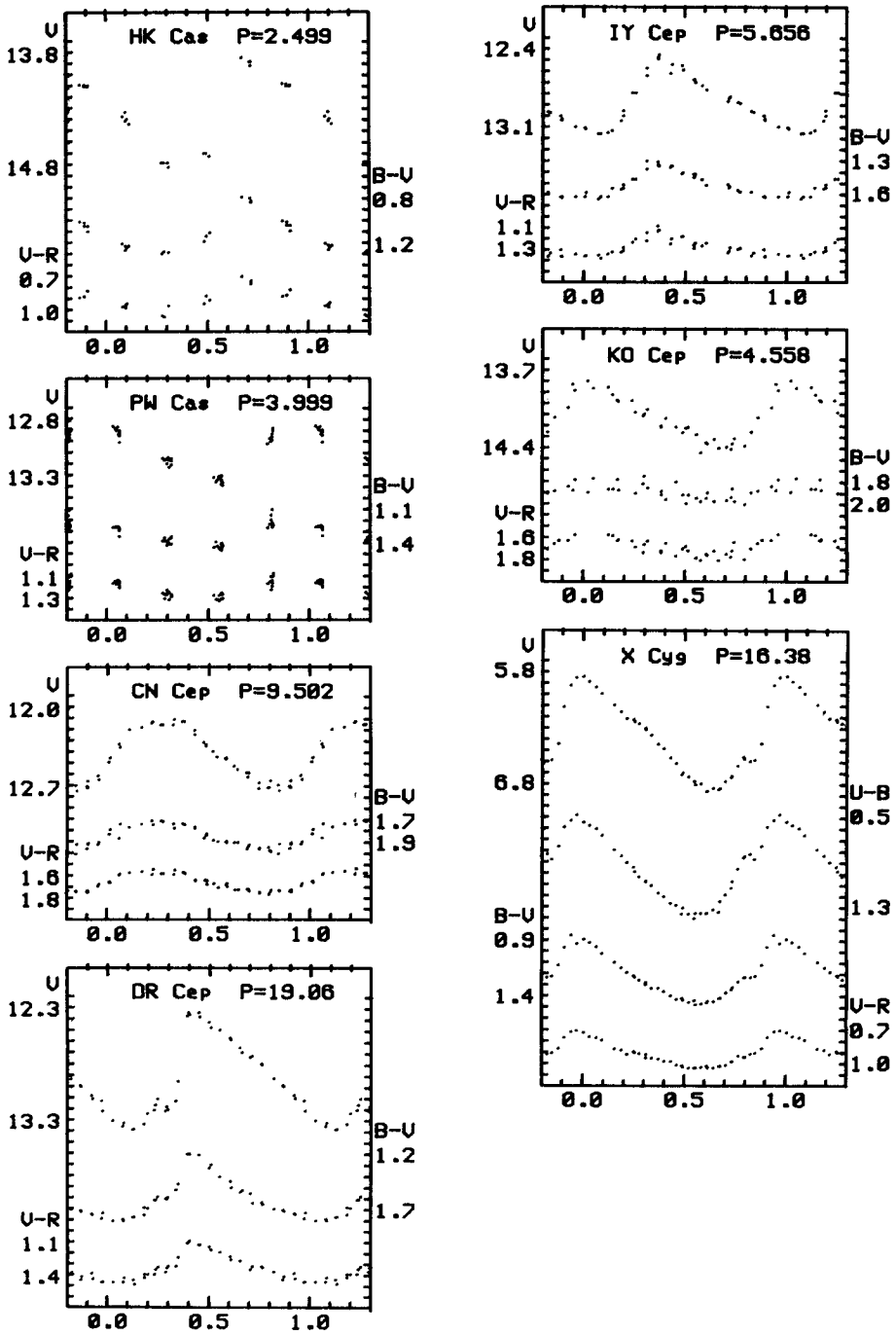


Figure 4 The light and colour curves for HK Cas, PW Cas, CN Cep, DR Cep, IY Cep, KO Cep and X Cyg.

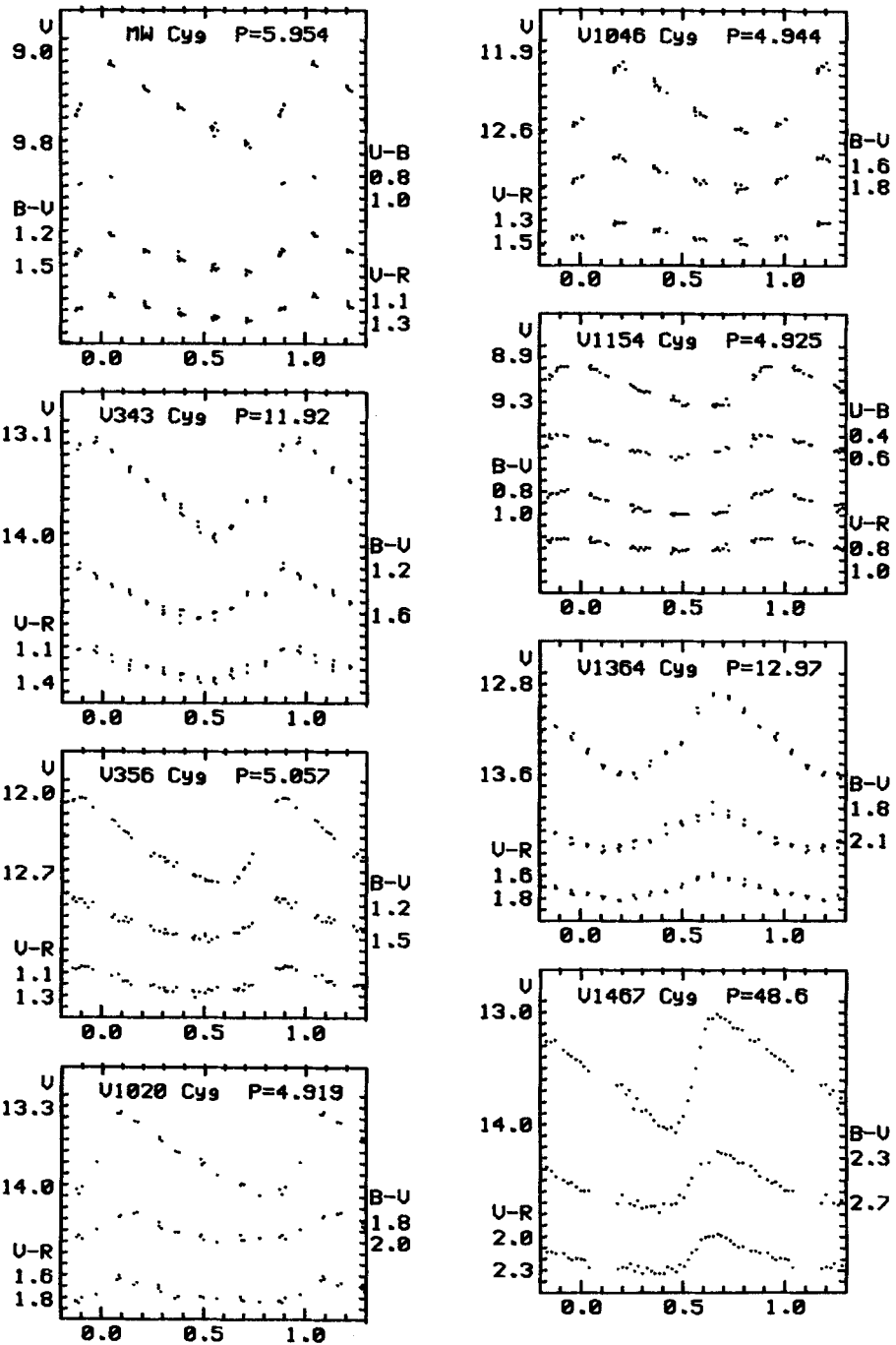


Figure 5 The light and colour curves for MW Cyg, V343 Cyg, V356 Cyg, V1020 Cyg, V1046 Cyg, V1154 Cyg, V1364 Cyg and V1467 Cyg.

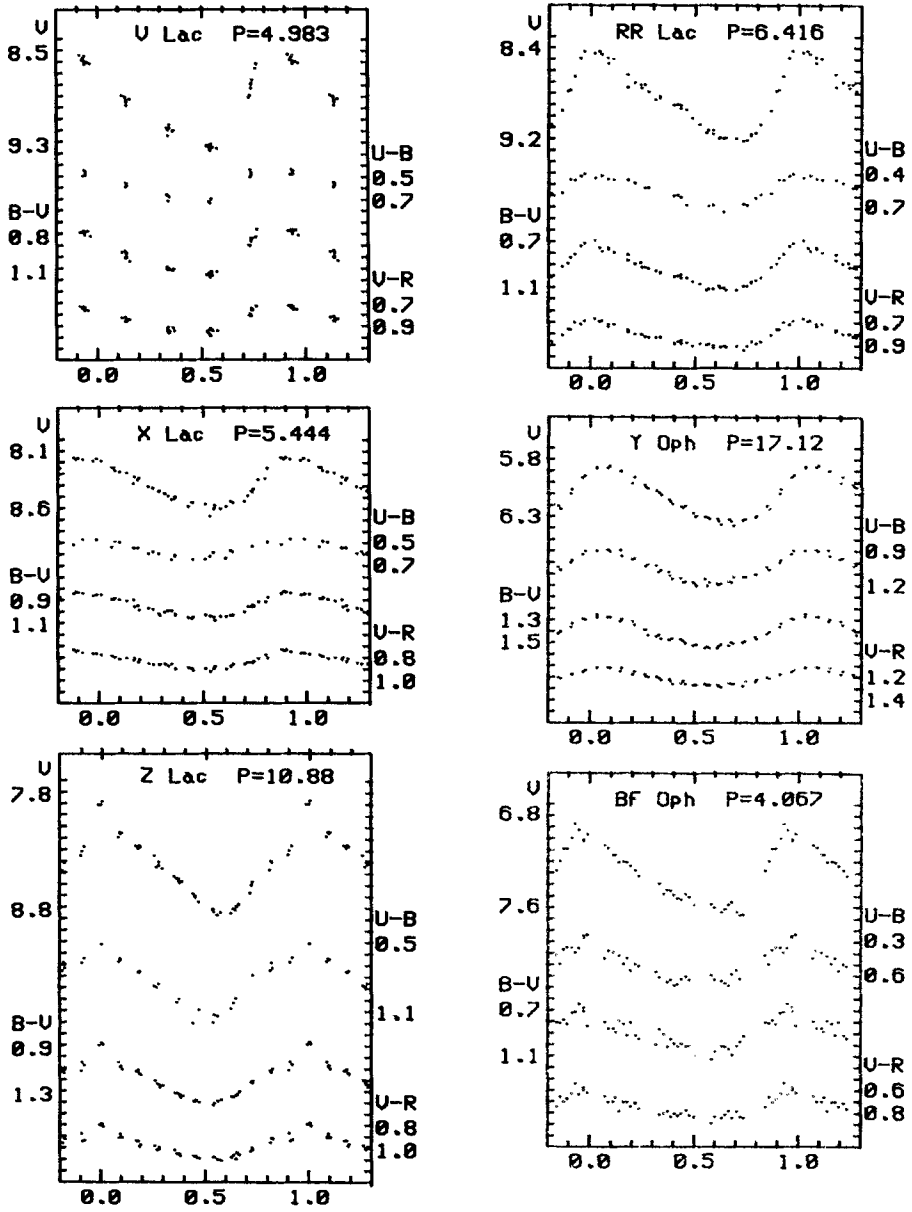


Figure 6 The light and colour curves for V Lac, X Lac, Z Lac, RR Lac, Y Oph and BF Oph.

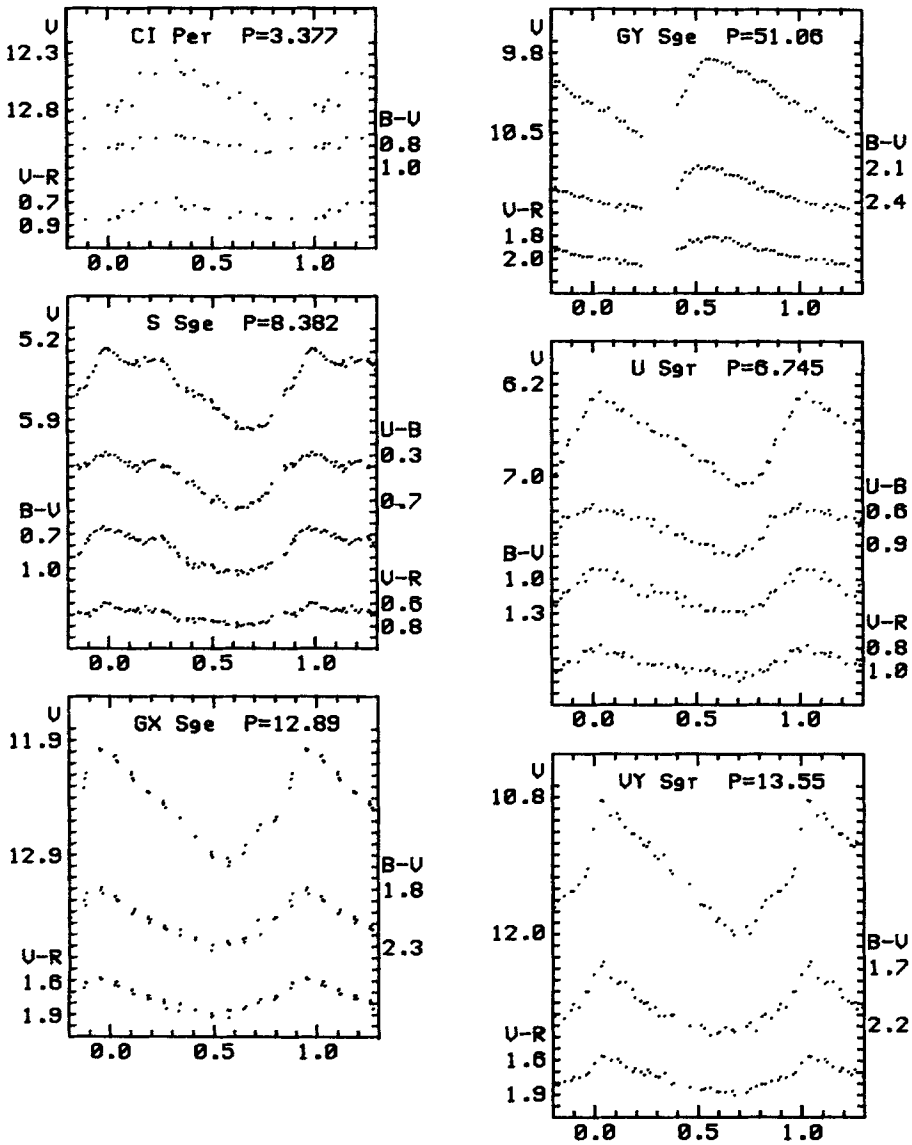


Figure 7 The light and colour curves for CI Per, S Sge, GX Sge, GY Sge, U Sgr and VY Sgr.

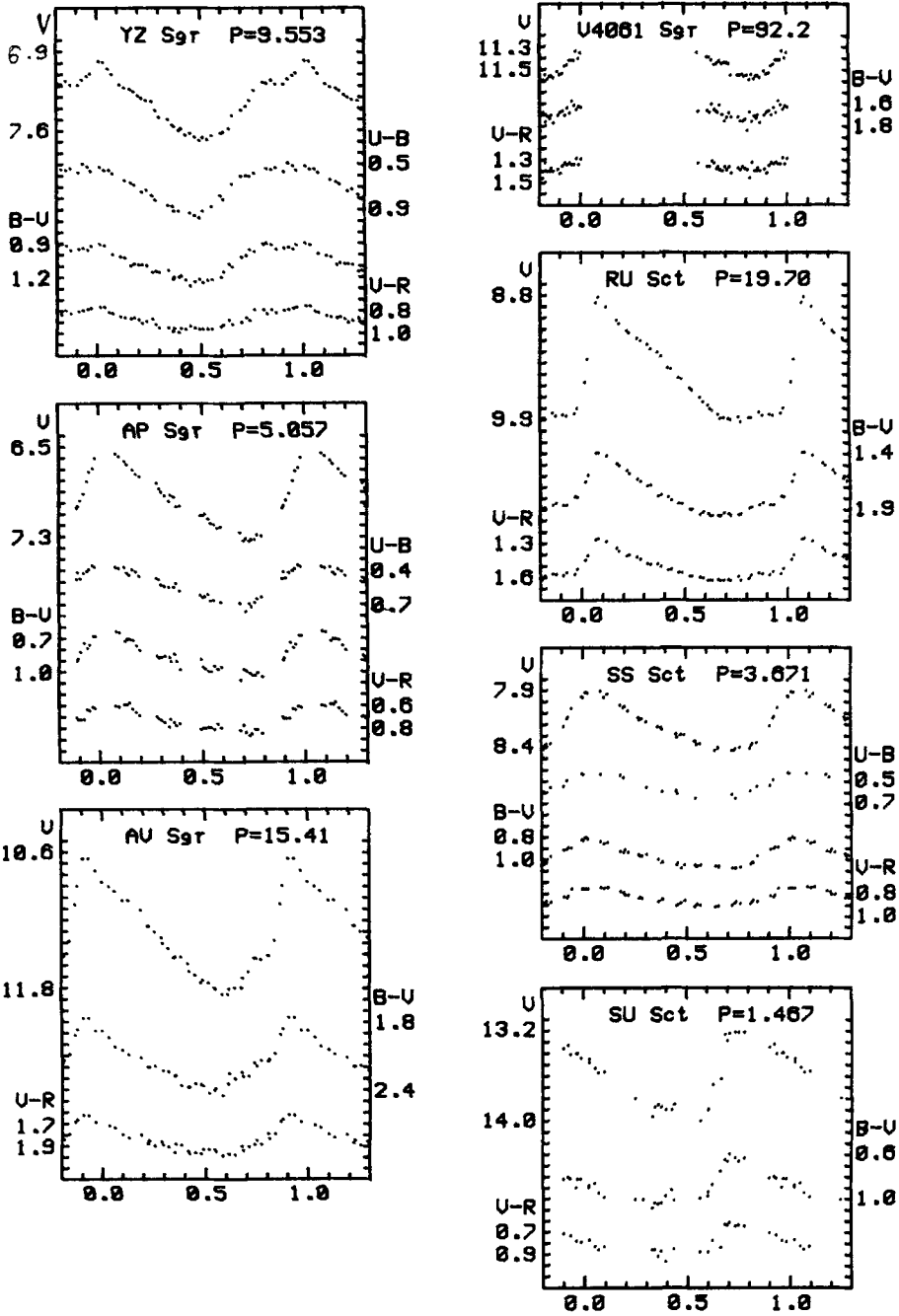


Figure 8 The light and colour curves for YZ Sgr, AP Sgr, AV Sgr, V4061 Sgr, RU Sct, SS Sct and SU Sct.

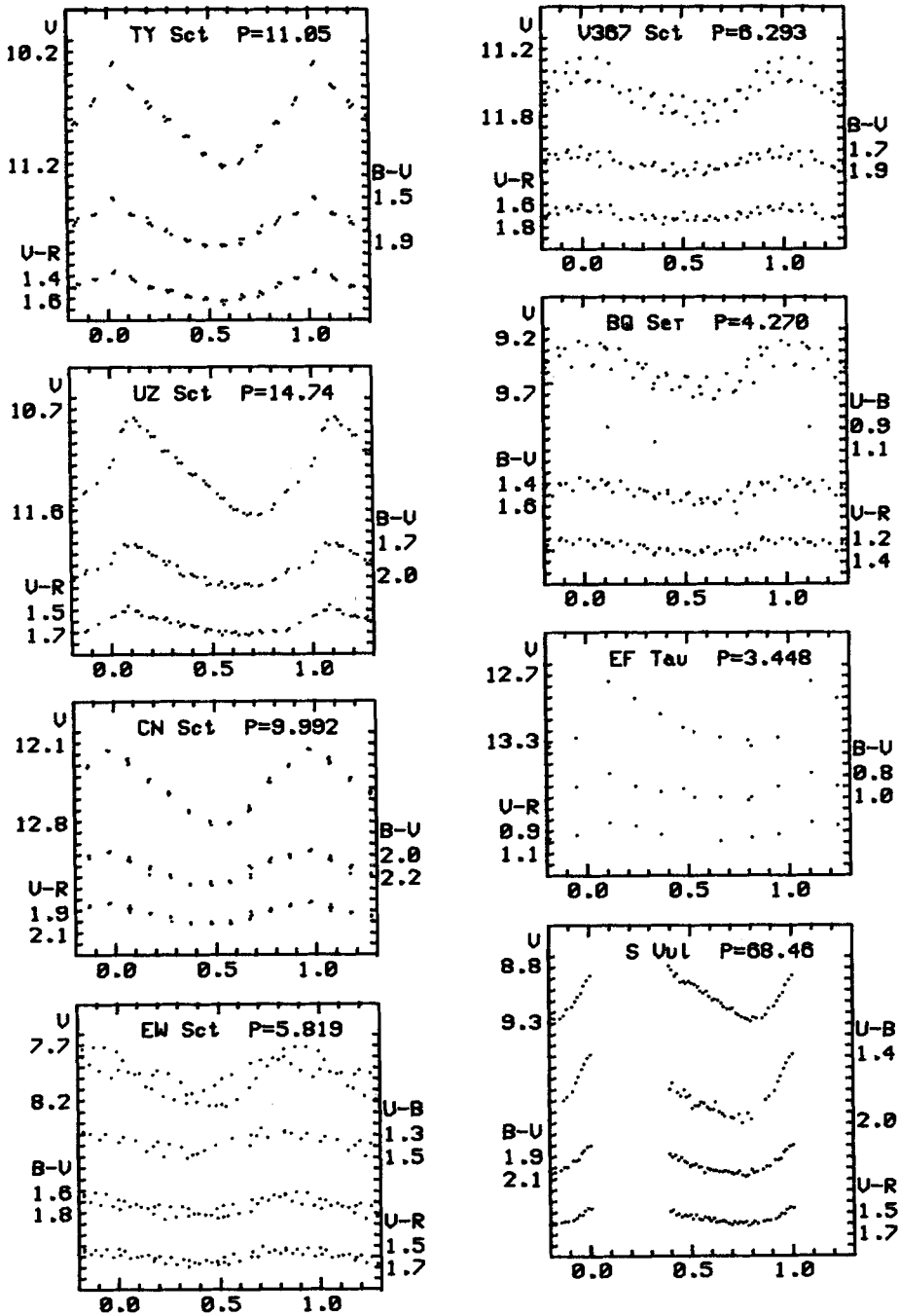


Figure 9 The light and colour curves for TY Sct, UZ Sct, CN Sct, EW Sct, V367 Sct, BQ Ser, EF Tau and S Vul.

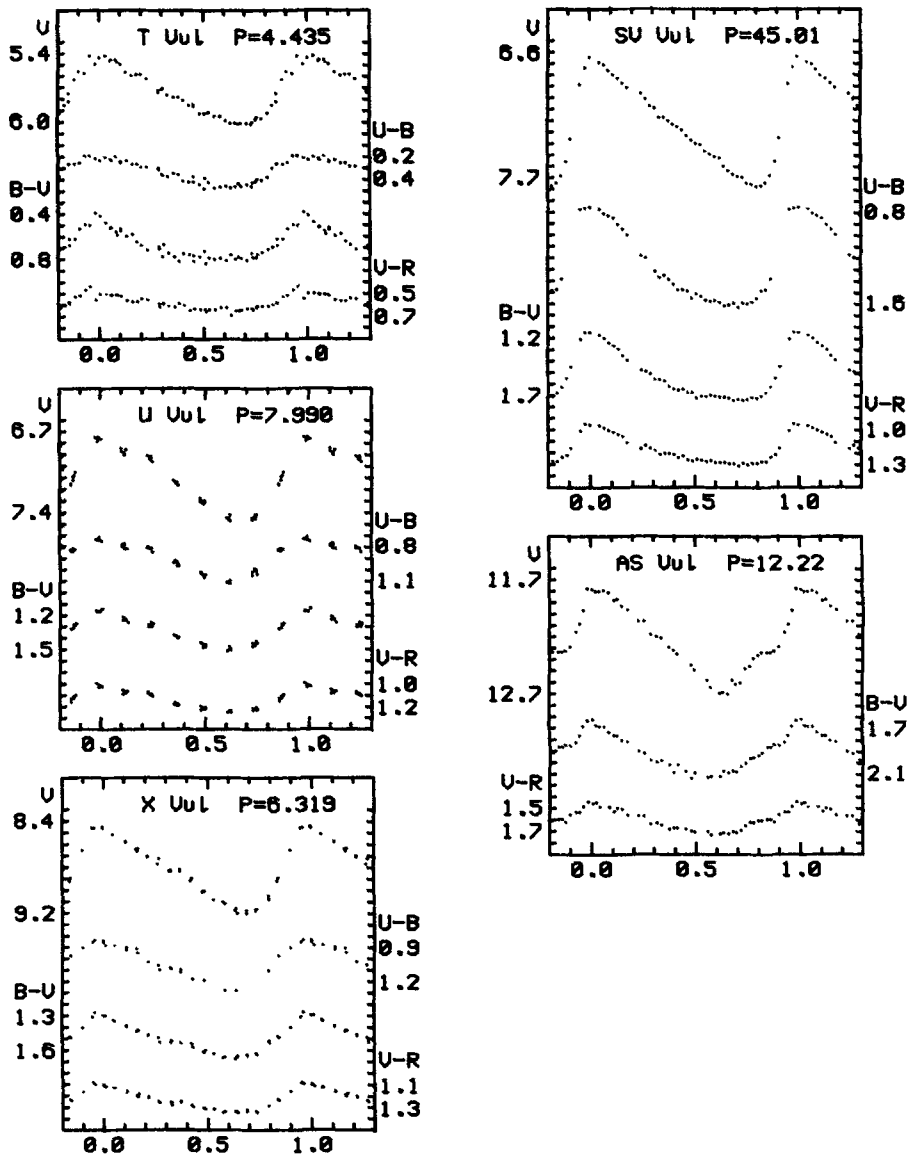


Figure 10 The light and colour curves for T Vul, U Vul, X Vul, SV Vul and AS Vul.