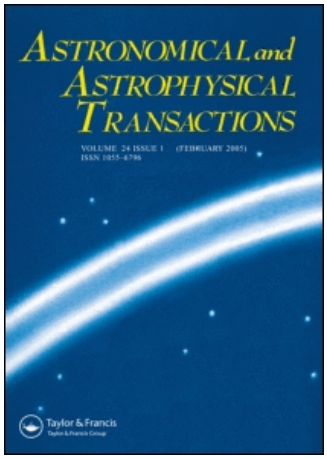

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UBVR observations of five double-mode cepheids

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UBVR OBSERVATIONS OF FIVE DOUBLE-MODE CEPHEIDS

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Photoelectric UBVR photometry of five double-mode Cepheids is presented.

KEY WORDS Cepheids, photometry

Recently one of us (Berdnikov, 1992) decomposed available photoelectric UBVRI light curve observations of all double-mode Cepheids into two oscillations. It was also pointed out that a number of the existing observations is not sufficient for certain investigation of light curve variations of the majority of these stars. Therefore we continue observations of all accessible double-mode Cepheids.

In Table 1 we present photoelectric UBVR observations of five double-mode Cepheids. All the measurements were obtained with the 60-cm reflector of the Mt. Maidanak observatory of the Tashkent Astronomical Institute in 1992, August–September.

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References

Berdnikov, L. N. (1992) *Pis'ma Astron. Zh.* 18, 654.

Table 1

JD Hel 2448800+	*V*	*U–B*	*B–V*	*V–R*	*JD Hel 2448800+*	*V*	*U–B*	*B–V*	*V–R*
		CO Aur					CO Aur		
54.4882	7.864	–	0.762	0.660	80.5133	7.560	0.336	0.617	0.594
56.4732	7.882	–	0.776	0.665	81.4010	7.861	0.339	0.770	0.661
58.4294	7.804	0.327	0.741	0.639	81.4371	7.868	0.328	0.746	0.673
58.4573	7.800	0.349	0.738	0.641	81.4982	7.858	0.345	0.754	0.663
60.4108	7.795	0.328	0.780	0.610	82.4211	7.533	0.310	0.587	0.584
60.4555	7.773	0.318	0.726	0.618	82.4278	7.519	0.333	0.629	0.569
60.4872	7.753	0.337	0.692	0.636	82.4350	7.545	0.319	0.612	0.572
62.4816	7.487	0.339	0.599	0.538	83.4140	7.924	0.352	0.749	0.690
70.4237	7.840	0.332	0.759	0.661	83.4327	7.892	0.335	0.763	0.665
70.4344	7.846	0.347	0.743	0.648	83.4374	7.909	0.356	0.753	0.671
70.4946	7.859	–	0.779	0.670	83.4998	7.869	0.348	0.736	0.670
70.5040	7.867	0.339	0.764	0.673	83.5162	7.849	–	0.730	0.651
71.4415	7.544	0.333	0.611	0.583	85.4112	7.702	0.317	0.670	0.614
71.5023	7.539	–	0.620	0.579	85.4325	7.677	0.312	0.652	0.598
72.4139	7.832	0.354	0.742	0.635	85.5089	7.617	0.314	0.635	0.577
72.4296	7.824	0.335	0.751	0.654	86.4053	7.770	0.342	0.731	0.644
72.4324	7.837	0.356	0.743	0.639	86.4291	7.788	0.325	0.725	0.666
72.4972	7.846	–	0.736	0.678	86.4367	7.784	0.335	0.741	0.641
72.5044	7.832	0.335	0.748	0.651	86.5028	7.779	0.338	0.749	0.630
73.4256	7.557	0.333	0.627	0.585	86.5148	7.810	0.338	0.733	0.651
73.5040	7.571	–	0.643	0.580	88.3884	7.804	0.329	0.719	0.653
74.4334	7.873	0.335	0.766	0.656	88.3952	7.788	0.344	0.740	0.636
74.4354	7.863	0.342	0.784	0.662	88.4212	7.808	0.321	0.747	0.658
74.4654	7.867	0.342	0.793	0.659	88.5099	7.826	0.336	0.753	0.662
74.5042	7.871	–	0.767	0.670	88.5153	7.839	0.338	0.741	0.659
74.5056	7.878	0.338	0.761	0.663	90.3998	7.909	0.336	0.791	0.674
75.4730	7.625	–	0.672	0.591	90.4204	7.927	0.355	0.768	0.693
75.4978	7.624	–	0.667	0.602	90.5092	7.897	0.350	0.774	0.669
75.5080	7.642	0.338	0.661	0.602	90.5208	7.909	0.341	0.773	0.670
76.4358	7.792	0.332	0.712	0.636	91.4069	7.597	0.304	0.661	0.589
76.4559	7.764	0.331	0.707	0.632	91.4181	7.628	0.306	0.658	0.607
76.5021	7.717	0.330	0.674	0.618	91.4654	7.660	0.336	0.665	0.624
76.5117	7.713	0.337	0.666	0.621	91.5119	7.671	–	0.692	0.625
77.3844	7.763	0.333	0.719	0.666	91.5195	7.678	0.340	0.691	0.623
77.4136	7.787	0.348	0.731	0.633	93.3734	7.737	0.332	0.692	0.637
77.4663	7.791	0.336	0.743	0.649			TU Cas		
77.4982	7.807	0.322	0.750	0.644	52.4168	7.222	–	0.380	0.363
77.5132	7.822	–	0.747	0.655	54.3529	7.251	0.206	0.385	0.361
78.4277	7.593	0.331	0.627	0.589	54.4117	7.324	0.233	0.428	0.386
78.5143	7.548	–	0.605	0.580	54.4546	7.396	0.239	0.455	0.421
79.3672	7.814	0.331	0.696	0.674	56.3973	7.709	0.245	0.562	0.516
79.4275	7.829	0.338	0.740	0.642	56.4647	7.652	0.240	0.566	0.502
79.4428	7.822	0.337	0.751	0.644	56.4955	7.643	0.242	0.541	0.498
79.5014	7.819	0.353	0.731	0.679	57.3295	7.736	0.273	0.628	0.558
80.3698	7.570	–	0.604	0.591	57.5016	8.112	0.428	0.726	0.644
80.4111	7.571	0.297	0.631	0.585	58.2250	8.064	0.357	0.747	0.614
80.4253	7.561	0.323	0.624	0.567	58.3009	8.049	0.352	0.724	0.610
80.4558	7.558	0.325	0.619	0.573	58.3521	8.029	0.322	0.693	0.607
80.4577	7.547	0.335	0.633	0.574	58.3740	7.997	0.306	0.671	0.600
80.4990	7.552	0.327	0.618	0.573	58.4002	7.953	0.274	0.661	0.587

Table 1 (continued)

JD Hel 2448800+	*V*	*U–B*	*B–V*	*V–R*	*JD Hel 2448800+*	*V*	*U–B*	*B–V*	*V–R*
		TU Cas					TU Cas		
58.4522	7.805	0.246	0.598	0.550	74.5156	7.893	0.329	0.745	0.599
58.5024	7.573	0.218	0.516	0.488	75.2144	8.107	0.366	0.751	0.625
59.2848	7.790	0.308	0.676	0.575	75.3122	8.053	0.308	0.731	0.618
59.4178	7.886	0.328	0.705	0.604	75.3547	7.981	0.263	0.731	0.581
59.5043	7.916	0.317	0.731	0.616	75.3951	7.898	0.252	0.654	0.570
60.2257	8.039	0.326	0.737	0.616	75.4326	7.808	0.248	0.612	0.537
60.2853	8.004	0.313	0.716	0.612	75.4506	7.773	0.234	0.595	0.534
60.3572	7.897	0.288	0.654	0.556	75.5095	7.565	0.224	0.525	0.463
60.3586	7.887	0.248	0.658	0.562	76.2130	7.728	0.300	0.634	0.409
60.4656	7.717	0.237	0.632	0.512	76.2160	7.761	0.307	0.636	0.581
60.4765	7.725	0.243	0.578	0.522	76.2813	7.794	0.376	0.652	0.572
60.4991	7.683	0.251	0.556	0.504	76.3184	7.799	0.303	0.649	0.578
61.3602	7.734	–	0.624	0.552	76.3190	7.790	0.298	0.662	0.571
62.3289	8.012	0.372	0.708	0.631	76.3476	7.803	0.315	0.652	0.578
62.3452	7.981	0.307	0.728	0.607	76.4127	7.825	0.321	0.696	0.572
62.3710	8.003	0.349	0.713	0.622	76.4285	7.826	0.314	0.679	0.575
62.4327	7.994	–	0.717	0.609	76.5207	7.859	0.313	0.686	0.584
62.4381	8.002	0.333	0.725	0.577	77.1882	7.967	0.331	0.718	0.587
62.4964	8.004	0.354	0.724	0.586	77.2269	7.952	0.313	0.705	0.593
63.3303	7.481	0.258	0.518	0.487	77.2595	7.970	0.340	0.703	0.606
63.5035	7.641	–	0.597	0.537	77.2965	7.975	0.339	0.698	0.596
70.2672	7.950	0.369	0.735	0.613	77.3513	7.965	0.315	0.709	0.593
70.3136	7.964	0.378	0.726	0.612	77.4147	7.943	0.316	0.714	0.554
70.3371	7.970	0.385	0.748	0.614	77.4536	7.931	0.283	0.692	0.580
70.3883	8.007	0.351	0.747	0.648	77.5163	7.930	0.271	0.680	0.586
70.4015	7.982	0.370	0.736	0.618	78.1814	7.384	0.242	0.462	0.448
70.4049	7.988	0.379	0.755	0.630	78.2010	7.377	0.228	0.448	0.419
70.4654	8.012	0.377	0.745	0.622	78.2952	7.418	0.243	0.489	0.430
70.4808	7.993	0.340	0.743	0.611	78.3329	7.449	0.234	0.498	0.452
70.5108	8.014	0.382	0.742	0.644	78.3670	7.490	0.222	0.506	0.478
71.3151	7.608	0.246	0.540	0.500	78.4161	7.528	0.246	0.537	0.496
71.4313	7.579	0.247	0.530	0.493	79.1803	7.999	0.347	0.745	0.611
72.1772	7.709	0.259	0.644	0.523	79.2964	8.036	0.360	0.747	0.645
72.2232	7.734	0.245	0.633	0.553	79.3470	8.053	0.359	0.771	0.631
72.3038	7.761	0.297	0.621	0.547	79.3594	8.051	0.357	0.754	0.629
72.3276	7.768	0.286	0.632	0.548	79.3673	8.054	0.370	0.763	0.623
72.3598	7.775	0.296	0.639	0.568	79.4015	8.076	0.390	0.755	0.632
72.3865	7.792	0.290	0.644	0.574	79.4397	8.075	–	0.773	0.633
72.4212	7.802	0.300	0.649	0.577	79.5183	8.092	–	0.754	0.635
72.4303	7.793	0.303	0.663	0.553	80.1787	7.383	0.265	0.452	0.459
72.5103	7.843	0.287	0.670	0.601	80.1897	7.378	0.228	0.447	0.443
73.2476	8.004	0.317	0.722	0.597	80.2260	7.439	0.272	0.482	0.474
73.4224	7.908	0.253	0.665	0.566	80.2460	7.442	0.248	0.490	0.449
74.1777	7.651	0.248	0.612	0.526	80.2754	7.484	0.260	0.506	0.480
74.2436	7.695	0.301	0.644	0.542	80.2845	7.485	0.236	0.497	0.489
74.2623	7.718	0.263	0.651	0.553	80.3134	7.519	0.246	0.543	0.469
74.3052	7.750	–	0.658	0.565	80.3330	7.549	0.218	0.560	0.507
74.3401	7.787	0.291	0.680	0.580	80.3571	7.557	0.259	0.567	0.491
74.4083	7.835	0.311	0.706	0.587	80.3875	7.605	0.259	0.574	0.514
74.4205	7.843	0.309	0.700	0.589	80.4200	7.631	0.299	0.592	0.531

Table 1 (continued)

JD Hel 2448800+	*V*	*U–B*	*B–V*	*V–R*	*JD Hel 2448800+*	*V*	*U–B*	*B–V*	*V–R*
		TU Cas					TU Cas		
80.4214	7.623	0.264	0.607	0.511	86.3103	7.403	0.231	0.429	0.430
80.5171	7.706	0.297	0.641	0.544	86.3245	7.396	0.222	0.447	0.431
81.1671	7.981	0.341	0.738	0.613	86.3462	7.382	0.219	0.447	0.415
81.1846	8.000	0.380	0.718	0.641	86.3716	7.400	0.231	0.444	0.417
81.2376	7.988	0.331	0.748	0.631	86.3914	7.409	0.243	0.456	0.424
81.2653	8.004	0.354	0.736	0.639	86.4139	7.437	0.288	0.474	0.456
81.3403	8.059	0.338	0.724	0.643	86.4293	7.424	0.227	0.470	0.432
81.3974	8.030	0.362	0.745	0.623	86.5186	7.493	0.241	0.502	0.468
81.4112	8.033	0.350	0.744	0.618	87.2333	7.843	0.304	0.670	0.590
81.4624	8.029	0.332	0.743	0.614	87.2818	7.838	0.328	0.681	0.590
81.5108	8.047	0.344	0.733	0.627	87.2859	7.835	0.290	0.686	0.574
82.1574	7.604	0.264	0.550	0.500	87.3164	7.851	0.310	0.682	0.596
82.1911	7.598	0.247	0.554	0.482	88.1451	7.959	0.301	0.691	0.589
82.2161	7.609	0.238	0.543	0.506	88.1967	7.940	0.319	0.711	0.603
82.2414	7.579	0.231	0.556	0.479	88.2352	7.945	0.307	0.689	0.585
82.2762	7.585	0.254	0.546	0.477	88.2658	7.923	0.293	0.684	0.590
82.3108	7.583	0.249	0.550	0.479	88.2892	7.933	0.295	0.670	0.594
82.3174	7.599	0.287	0.556	0.505	88.3089	7.915	0.295	0.677	0.594
82.3626	7.587	0.248	0.553	0.480	88.3355	7.904	0.298	0.650	0.578
82.4071	7.601	0.253	0.552	0.494	88.3675	7.884	0.265	0.646	0.570
82.4191	7.609	0.253	0.549	0.511	88.3721	7.882	0.275	0.651	0.567
82.4359	7.606	0.259	0.550	0.499	88.3854	7.866	0.278	0.654	0.562
83.1490	7.809	0.278	0.665	0.580	88.4189	7.851	0.264	0.636	0.564
83.2274	7.848	0.299	0.679	0.592	88.5246	7.728	0.260	0.590	0.532
83.2673	7.863	0.308	0.687	0.596	89.1435	7.539	0.266	0.556	0.501
83.3045	7.875	0.315	0.696	0.584	89.2055	7.612	0.275	0.586	0.505
83.3588	7.897	0.325	0.707	0.589	89.2417	7.641	0.275	0.598	0.534
83.3921	7.916	0.338	0.718	0.606	89.2606	7.666	0.266	0.604	0.533
83.4009	7.898	0.336	0.709	0.583	89.2695	7.665	0.272	0.610	0.552
83.4374	7.949	0.320	0.712	0.627	89.3035	7.675	0.276	0.637	0.538
83.5162	7.949	0.358	0.735	0.601	89.3422	7.711	0.287	0.657	0.541
84.1569	7.816	0.240	0.615	0.540	90.1481	8.086	0.333	0.758	0.629
84.2041	7.658	0.197	0.543	0.497	90.1851	8.098	0.373	0.769	0.631
84.2425	7.648	0.167	0.445	0.444	90.2201	8.109	0.375	0.766	0.639
85.1972	7.909	0.364	0.733	0.616	90.2485	8.099	0.361	0.778	0.628
85.2027	7.903	0.312	0.737	0.589	90.2707	8.101	0.355	0.769	0.629
85.2397	7.966	0.354	0.746	0.627	90.3084	8.094	0.356	0.761	0.716
85.2693	7.982	0.364	0.764	0.601	90.3484	8.074	0.333	0.742	0.618
85.3399	7.980	0.371	0.752	0.612	90.3632	8.065	0.305	0.724	0.605
85.3996	8.004	0.372	0.763	0.636	90.3739	8.051	0.325	0.722	0.603
85.4328	8.015	0.348	0.757	0.637	90.3795	8.035	0.306	0.712	0.600
85.5232	8.050	0.372	0.751	0.640	90.3932	8.022	0.291	0.709	0.596
86.1578	7.709	0.218	0.565	0.523	90.4035	8.012	0.300	0.687	0.601
86.1993	7.581	0.218	0.522	0.476	90.4133	7.985	0.304	0.680	0.584
86.2497	7.461	0.217	0.470	0.431	90.5237	7.573	0.237	0.504	0.452
86.2587	7.453	0.209	0.456	0.427	91.1413	7.684	0.268	0.609	0.551
86.2665	7.434	0.231	0.446	0.427	91.1818	7.700	0.262	0.632	0.541
86.2843	7.407	0.229	0.445	0.418	91.2115	7.730	0.304	0.635	0.560
86.2940	7.419	0.264	0.458	0.443	91.2189	7.730	0.278	0.647	0.571
86.2974	7.403	0.225	0.438	0.426	91.2440	7.729	0.281	0.679	0.539

Table 1 (continued)

JD Hel 2448800+	*V*	*U–B*	*B–V*	*V–R*	*JD Hel 2448800+*	*V*	*U–B*	*B–V*	*V–R*
		TU Cas					EW Sct		
91.2816	7.776	0.303	0.649	0.567	54.2185	8.081	–	1.773	1.643
91.3129	7.779	0.317	0.680	0.556	56.1995	7.814	–	1.708	1.540
91.3247	7.806	0.309	0.680	0.571	56.2412	7.837	–	1.721	1.558
91.3616	7.835	0.311	0.691	0.585	57.1542	8.089	1.450	1.824	1.636
91.3772	7.834	0.321	0.691	0.574	57.3402	8.137	1.444	1.851	1.646
91.4177	7.855	0.324	0.709	0.591	58.1728	8.247	1.518	1.862	1.666
91.4470	7.863	0.315	0.702	0.593	58.1976	8.243	1.521	1.857	1.673
91.5267	7.918	0.314	0.708	0.626	58.2560	8.233	–	1.869	1.665
92.1398	8.009	0.330	0.737	0.607	58.3319	8.225	1.580	1.889	1.634
92.1970	8.012	0.321	0.720	0.622	59.1916	8.078	1.372	1.774	1.610
92.2365	7.999	0.305	0.719	0.620	59.3351	8.042	–	1.767	1.610
92.2616	7.999	0.309	0.729	0.605	60.1611	7.857	1.279	1.689	1.548
92.2997	8.023	0.295	0.724	0.617	60.2055	7.857	–	1.718	1.544
92.3314	8.016	0.318	0.712	0.605	60.2392	7.836	1.276	1.718	1.529
93.1473	7.566	0.274	0.543	0.499	60.2931	7.856	1.270	1.695	1.547
93.1865	7.574	0.245	0.515	0.514	61.1508	7.922	1.335	1.726	1.573
93.2270	7.564	0.223	0.532	0.494	61.3141	7.917	–	1.747	1.551
93.2409	7.546	0.245	0.542	0.477	63.1971	7.973	1.352	1.750	1.591
93.2463	7.545	0.236	0.537	0.479	63.2754	7.986	1.327	1.737	1.608
93.2542	7.545	0.234	0.543	0.489	70.1581	8.282	1.554	1.873	1.672
93.2588	7.550	0.231	0.549	0.489	70.1801	8.260	1.551	1.880	1.669
93.2685	7.561	0.240	0.529	0.496	70.2778	8.274	1.551	1.879	1.679
93.2752	7.556	0.249	0.539	0.497	71.2777	8.043	1.336	1.792	1.585
93.2823	7.554	0.244	0.544	0.491	72.1529	7.756	1.238	1.628	1.527
93.2868	7.561	0.244	0.534	0.496	72.1540	7.743	1.233	1.643	1.505
93.3080	7.562	0.236	0.542	0.499	72.2197	7.707	–	1.632	1.481
93.3150	7.559	0.235	0.545	0.490	72.2588	7.758	1.209	1.661	1.520
93.3322	7.589	0.253	0.555	0.511	73.1865	7.913	1.336	1.740	1.582
93.3355	7.560	0.230	0.557	0.497	73.2633	7.945	1.313	1.734	1.584
93.3393	7.561	0.236	0.550	0.484	74.1538	8.027	–	1.795	1.598
93.3540	7.572	0.243	0.549	0.500	74.2022	8.038	1.392	1.789	1.611
93.3603	7.567	0.240	0.544	0.496	74.2056	8.034	–	1.821	1.621
93.3725	7.577	0.255	0.540	0.493	74.2558	8.044	1.361	1.802	1.627
93.3786	7.578	0.252	0.549	0.496	75.1704	8.063	1.419	1.782	1.621
93.4155	7.586	0.243	0.556	0.508	75.2820	8.018	1.352	1.853	1.622
93.4247	7.605	0.254	0.562	0.505	76.1664	8.005	1.401	1.770	1.598
94.1372	7.938	0.342	0.729	0.607	76.1810	8.012	–	1.764	1.597
94.1790	7.974	0.325	0.733	0.622	76.2602	8.011	1.397	1.789	1.610
94.2066	7.966	0.323	0.733	0.622	77.1312	8.097	1.422	1.803	1.608
94.2209	7.966	0.324	0.737	0.618	77.1934	8.081	–	1.818	1.593
94.2459	7.979	0.339	0.744	0.627	77.2670	8.100	1.438	1.803	1.626
94.2621	7.974	0.329	0.736	0.619	78.1596	8.002	1.319	1.729	1.586
94.2732	7.977	0.324	0.752	0.611	78.1790	7.978	–	1.739	1.575
94.2850	7.994	0.329	0.732	0.629	78.2418	7.964	1.346	1.737	1.576
94.2940	7.989	0.357	0.735	0.614	79.1635	7.751	1.253	1.639	1.527
94.2945	7.995	0.329	0.736	0.627	79.2362	7.744	1.238	1.649	1.533
94.3135	8.014	0.339	0.733	0.633	80.1476	7.858	–	1.708	1.578
94.3217	8.034	0.324	0.745	0.621	80.1563	7.849	1.318	1.712	1.568
94.3352	8.028	0.342	0.760	0.613	80.2650	7.864	1.309	1.723	1.565
94.3460	8.052	0.335	0.752	0.627	81.1429	8.077	1.463	1.822	1.625

Table 1 (continued)

JD Hel 2448800+	*V*	*U–B*	*B–V*	*V–R*	*JD Hel 2448800+*	*V*	*U–B*	*B–V*	*V–R*
		EW Sct					V367 Sct		
81.1440	8.075	–	1.825	1.631	60.2014	11.597	–	1.867	1.688
81.2541	8.119	1.418	1.843	1.656	60.2360	11.582	–	1.881	1.681
82.1364	8.293	1.584	1.869	1.678	60.3029	11.565	–	1.872	1.667
82.1538	8.286	–	1.892	1.683	61.1614	11.609	–	1.860	1.685
82.2487	8.295	1.606	1.885	1.672	61.3185	11.560	–	1.832	1.691
83.1318	8.081	1.352	1.752	1.597	63.2062	11.774	–	1.882	1.732
83.1520	8.058	–	1.742	1.599	63.2865	11.760	–	1.928	1.717
83.2548	8.020	1.331	1.741	1.596	70.1706	11.563	–	1.786	1.661
84.1411	7.666	1.254	1.595	1.493	70.1749	11.524	–	1.816	1.639
84.1513	7.671	–	1.610	1.496	70.2691	11.535	–	1.764	1.683
84.2375	7.660	1.206	1.646	1.491	72.1702	11.564	–	1.789	1.688
85.1467	7.891	–	1.724	1.597	72.2510	11.597	–	1.775	1.696
85.1536	7.919	1.354	1.722	1.592	73.1791	11.687	–	1.896	1.728
85.2309	7.913	1.382	1.765	1.571	73.2554	11.693	–	1.994	1.724
86.1368	8.109	1.474	1.804	1.635	74.1482	11.655	–	1.916	1.701
86.1506	8.116	–	1.804	1.635	74.1883	11.651	–	1.902	1.681
86.2181	8.116	1.425	1.829	1.641	74.2004	11.678	–	1.961	1.744
88.1267	8.025	1.414	1.766	1.591	74.2495	11.693	–	1.885	1.706
88.1526	8.036	–	1.775	1.590	75.1644	11.668	–	1.893	1.703
88.2326	8.008	1.310	1.767	1.582	75.2748	11.625	–	1.988	1.656
89.1242	7.995	1.393	1.734	1.587	76.1617	11.696	–	1.914	1.714
89.1705	8.046	–	1.752	1.593	76.1731	11.696	–	1.872	1.681
89.2297	7.996	1.345	1.767	1.579	76.2550	11.714	–	1.968	1.739
90.1266	7.951	1.327	1.722	1.580	77.1260	11.639	–	1.887	1.659
90.1417	7.965	–	1.715	1.609	77.1478	11.597	–	1.831	1.674
90.2123	7.922	1.301	1.730	1.576	77.2606	11.689	–	1.990	1.729
91.1214	7.847	1.280	1.697	1.551	78.1551	11.452	–	1.806	1.654
91.1408	7.840	–	1.697	1.547	78.1736	11.431	–	1.769	1.653
91.2221	7.830	1.270	1.693	1.531	78.2372	11.444	–	1.783	1.658
92.1224	7.887	1.334	1.722	1.571	79.1594	11.434	–	1.770	1.677
92.1421	7.888	–	1.718	1.578	79.2316	11.446	–	1.762	1.668
92.2156	7.896	1.288	1.746	1.580	80.1465	11.638	–	1.940	1.705
93.1275	8.068	1.428	1.802	1.632	80.1514	11.659	–	1.878	1.724
93.1389	8.083	–	1.822	1.615	80.2586	11.684	–	1.997	1.717
93.2101	8.096	1.403	1.807	1.637	81.1364	11.845	–	1.943	1.740
94.1194	8.261	1.496	1.864	1.670	81.1382	11.827	–	1.968	1.764
94.1495	8.271	–	1.861	1.667	81.2472	11.867	–	1.974	1.768
94.2142	8.247	1.505	1.879	1.668	82.1307	11.852	–	1.891	1.742
		V367 Sct			82.1519	11.821	–	1.932	1.735
54.2170	11.592	–	1.905	1.737	82.2435	11.803	–	1.916	1.710
56.1951	11.826	–	1.940	1.731	83.1197	11.515	–	1.770	1.662
56.2380	11.830	–	1.925	1.754	83.1491	11.451	–	1.755	1.637
57.1725	11.623	–	1.814	1.695	83.2489	11.413	–	1.828	1.638
58.1828	11.439	–	1.779	1.649	84.1299	11.392	–	1.740	1.635
58.1949	11.455	–	1.743	1.655	84.1483	11.364	–	1.728	1.609
58.2529	11.422	–	1.784	1.632	85.1360	11.659	–	1.866	1.715
58.3497	11.451	–	1.780	1.648	85.1399	11.570	–	1.860	1.698
59.1989	11.540	–	1.833	1.677	85.2249	11.590	–	1.891	1.694
59.3376	11.519	–	1.905	1.664	86.1260	11.757	–	1.919	1.748
60.1741	11.604	–	1.851	1.701	86.1479	11.766	–	1.934	1.748

Table 1 (continued)

JD Hel 2448800+	*V*	*U–B*	*B–V*	*V–R*	*JD Hel 2448800+*	*V*	*U–B*	*B–V*	*V–R*
	V367 Sct					BQ Ser			
86.2118	11.745	–	1.939	1.731	73.2724	9.787	–	1.601	1.353
88.1172	11.665	–	1.860	1.696	74.1552	9.366	–	1.430	1.237
88.1482	11.679	–	1.859	1.705	74.1961	9.364	–	1.395	1.234
88.2271	11.667	–	1.841	1.706	74.2075	9.333	–	1.417	1.214
89.1150	11.577	–	1.846	1.673	74.2631	9.325	–	1.414	1.220
89.1683	11.626	–	1.851	1.678	75.1776	9.418	–	1.468	1.245
89.2241	11.595	–	1.806	1.683	75.2916	9.457	–	1.475	1.275
90.1153	11.565	–	1.814	1.673	76.1728	9.598	–	1.555	1.299
90.1394	11.558	–	1.797	1.697	76.1822	9.601	–	1.554	1.301
90.2073	11.530	–	1.825	1.667	76.2678	9.628	–	1.540	1.333
91.1118	11.509	–	1.807	1.657	77.1387	9.602	–	1.530	1.301
91.1386	11.493	–	1.806	1.657	77.1949	9.588	–	1.534	1.304
91.2168	11.495	–	1.823	1.680	77.2774	9.594	–	1.516	1.309
92.1142	11.476	–	1.810	1.662	78.1665	9.597	–	1.530	1.290
92.1392	11.451	–	1.820	1.624	78.1818	9.596	–	1.537	1.298
92.2101	11.392	–	1.858	1.596	78.2502	9.592	–	1.449	1.222
93.1188	11.652	–	1.873	1.703	79.1679	9.398	–	1.404	1.232
93.1360	11.672	–	1.887	1.718	79.2414	9.363	–	1.449	1.222
93.2042	11.672	–	1.878	1.708	80.1487	9.352	–	1.438	1.221
94.1094	11.817	–	1.926	1.733	80.1631	9.362	–	1.442	1.234
94.1469	11.840	–	1.951	1.757	80.2743	9.390	–	1.472	1.257
94.2086	11.817	–	1.946	1.744	81.1451	9.585	–	1.571	1.290
	BQ Ser				81.1502	9.613	–	1.564	1.313
54.2203	9.446	–	1.516	1.288	81.2654	9.631	–	1.591	1.308
56.2003	9.583	–	1.527	1.295	82.1424	9.776	–	1.604	1.336
56.2418	9.576	–	1.526	1.292	82.1547	9.779	–	1.619	1.329
57.1615	9.512	–	1.507	1.278	82.2579	9.757	–	1.575	1.340
57.3472	9.513	–	1.518	1.267	83.1267	9.239	–	1.358	1.196
58.1771	9.386	–	1.437	1.245	83.1529	9.196	–	1.336	1.169
58.2021	9.377	–	1.436	1.246	83.2646	9.210	–	1.368	1.192
58.2584	9.366	–	1.405	1.223	84.1359	9.440	–	1.500	1.270
58.3394	9.353	–	1.471	1.225	84.1523	9.434	–	1.487	1.266
59.1932	9.429	–	1.482	1.253	85.1468	9.687	–	1.584	1.328
59.3422	9.479	–	1.482	1.288	85.1477	9.684	–	1.592	1.315
60.1638	9.654	–	1.569	1.318	85.2378	9.708	–	1.609	1.325
60.2071	9.656	–	1.597	1.323	86.1317	9.616	–	1.551	1.290
60.2402	9.674	–	1.588	1.338	86.1510	9.617	–	1.514	1.319
61.1536	9.690	–	1.539	1.295	86.2225	9.597	–	1.534	1.308
61.3221	9.578	–	1.497	1.289	88.1221	9.438	–	1.470	1.255
63.2009	9.532	–	1.514	1.300	88.1536	9.441	–	1.455	1.274
63.2802	9.548	–	1.544	1.310	88.2366	9.414	–	1.469	1.252
70.1647	9.482	–	1.451	1.250	89.1198	9.458	–	1.487	1.278
70.1829	9.462	–	1.450	1.241	89.1718	9.484	–	1.506	1.263
70.2859	9.398	–	1.444	1.240	89.2341	9.449	–	1.528	1.247
71.2984	9.298	–	1.440	1.224	90.1211	9.629	–	1.559	1.302
72.1566	9.560	–	1.556	1.303	90.1422	9.644	–	1.555	1.351
72.1605	9.565	–	1.556	1.301	90.2166	9.648	–	1.563	1.311
72.2217	9.547	–	1.568	1.312	91.1166	9.680	–	1.556	1.316
72.2677	9.594	–	1.577	1.308	91.1417	9.655	–	1.554	1.298
73.1941	9.787	–	1.619	1.349	91.2261	9.623	–	1.535	1.306

Table 1 (continued)

JD Hel 2448800+	*V*	*U–B*	*B–V*	*V–R*	*JD Hel 2448800+*	*V*	*U–B*	*B–V*	*V–R*
		BQ Ser					BQ Ser		
92.1183	9.206	–	1.362	1.196	93.2153	9.538	–	1.528	1.298
92.1441	9.153	–	1.364	1.173	94.1148	9.745	–	1.624	1.344
92.2205	9.215	–	1.374	1.204	94.1511	9.765	–	1.624	1.340
93.1234	9.504	–	1.530	1.300	94.2196	9.761	–	1.621	1.349
93.1407	9.505	–	1.532	1.292					