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SUPPLEMENT

Multicolour photometry of southern eclipsing binaries GW Car, V685 Cen, V742 Cen and V764 Sco

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Abstract. First multicolour photoelectric light curves of the southern eclipsing binaries GW Car, V685 Cen, V742 Cen and V764 Sco obtained in the years 1969, 1974, 1977-8 at the Leiden Southern Station using Walraven $VBLUW$ filters are presented.

Key words: eclipsing binaries – photometry

1. Program

In 1965-78 the first author (CJvH) initiated a program for obtaining multicolour photoelectric light curves of observationally neglected southern eclipsing binaries. The $VBLUW$ photoelectric observations were performed using the Walraven five-colour photometer (Walraven & Walraven, 1960) attached to the 0.9 m light collector of the Leiden Southern Station near Hartebeespoortdam, South Africa. The effective wavelengths and band-widths of Walraven filters are as follows: W (327 nm, 15 nm), U (367 nm, 26 nm), L (390 nm, 29 nm), B (429.5 nm, 42 nm), V (545 nm, 85 nm).

2. Observations

We present five-band $VBLUW$ observations of the eclipsing binary GW Car (HD 83475) and four-band $VBLU$ observations of the eclipsing binaries V685 Cen (HD 99218), V742 Cen (HD 99628) and V764 Sco (HD 162985) as part of the program mentioned above. Our observations of GW Car were obtained in 1969, 1974 and 1977, V685 Cen in 1977-78, V742 Cen and V764 Sco in 1974. The journal of observations is given in Table 1.

Table 1. Journal of photometric observations of GW Car, V685 Cen, V742 Cen and V764 Sco

Date	HJD_{mean} 2 400 000+	Phases	Date	HJD_{mean} 2 400 000+	Phases
1969	**GW Car**		Mar 30	43598.2507	0.9918 - 0.0247
Mar 3	40289.4546	0.6707 - 0.7597	1974	**V742 Cen**	
Mar 19	40300.3643	0.3141 - 0.4442	Apr 19	42157.3595	0.4108 - 0.6369
Mar 30	40311.4094	0.1094 - 0.2167	Apr 28	42166.2997	0.7698 - 0.9619
Apr 5	40317.3732	0.3706 - 0.5211	Apr 29	42167.3253	0.9654 - 0.1392
Apr 6	40318.3020	0.1974 - 0.3397	Apr 30	42168.3171	0.0692 - 0.3299
Apr 12	40324.3024	0.5222 - 0.6454	May 2	42170.3160	0.3946 - 0.6292
Apr 13	40325.2939	0.3895 - 0.5346	May 8	42176.3787	0.4669 - 0.5836
Apr 19	40331.2925	0.7245 - 0.8269	May 9	42177.3047	0.5704 - 0.6226
Apr 25	40337.2366	0.0336 - 0.0486	May 10	42178.2904	0.6537 - 0.8197
Apr 26	40338.3362	0.9666 - 0.0636	May 11	42179.3229	0.8180 - 0.0442
1974			May 12	42180.3437	0.0301 - 0.1937
Apr 26	42164.2705	0.4121 - 0.4864	May 16	42184.2616	0.6080 - 0.6803
May 13	42181.2802	0.4699 - 0.5634	May 27	42195.3443	0.4140 - 0.5152
May 23	42191.2223	0.3112 - 0.3358	Jun 2	42201.3368	0.3742 - 0.4192
1977			1974	**V764 Sco**	
Apr 3	43237.3571	0.9034 - 0.1008	May 3	42170.5118	0.7320 - 0.8048
Apr 21	43255.3138	0.8198 - 0.9969	May 12	42179.5152	0.5697 - 0.6397
1977	**V685 Cen**		May 18	42185.5421	0.4724 - 0.5509
Apr 15	43249.4035	0.0045 - 0.1873	May 19	42186.5473	0.1258 - 0.2006
May 31	43295.2866	0.5564 - 0.6874	May 20	42188.4488	0.3302 - 0.4615
Jun 1	43296.2795	0.3927 - 0.5186	May 24	42192.4315	0.9203 - 0.0350
1978			May 30	42198.4953	0.8027 - 0.0143
Feb 23	43563.5472	0.8030 - 0.9354	Jun 6	42205.4770	0.3490 - 0.5196
Feb 28	43568.5399	0.0026 - 0.1201	Jun 15	42214.4444	0.1439 - 0.3507
Mar 2	43570.4489	0.6103 - 0.7182	Jun 17	42216.4423	0.4413 - 0.6436
Mar 11	43579.4584	0.1590 - 0.2992	Jun 19	42218.3789	0.7304 - 0.8653
Mar 18	43586.3549	0.9701 - 0.0695	Jun 21	42220.3624	0.0188 - 0.1485
Mar 20	43588.4259	0.7343 - 0.7833	Jun 25	42224.3170	0.6363 - 0.6581
Mar 22	43590.3782	0.3653 - 0.4308	Jul 8	42237.2866	0.0168 - 0.0925
Mar 23	43591.5046	0.3137 - 0.3740			

The orbital phases of the binaries were calculated using the ephemerides derived in Chochol et al. (2003):

$$\textbf{GW Car}: \quad \text{Min I} = \text{HJD} \; \underset{\pm 9}{2\,440316.8699} + \underset{\pm 35}{1.12890795} \times E\,, \tag{1}$$

$$\textbf{V685 Cen}: \quad \text{Min I} = \text{HJD} \; \underset{\pm 13}{2\,443586.3313} + \underset{\pm 26}{1.19096085} \times E\,, \tag{2}$$

$$\textbf{V742 Cen}: \quad \text{Min I} = \text{HJD} \; \underset{\pm 20}{2\,442169.87349} + \underset{\pm 18}{0.8644556} \times E\,, \tag{3}$$

$$\textbf{V764 Sco}: \quad \text{Min I} = \text{HJD} \; \underset{\pm 19}{2\,442192.46601} + \underset{\pm 28}{1.5426320} \times E\,. \tag{4}$$

The magnitudes and colour indices of comparison stars are given in Table 2. The magnitude in Johnson system $V_{\rm J}$ is easy to transform to magnitude in Walraven system $V_{\rm W}$ using the equation

$$V_{\rm J} = V_{\rm W} - 0.062(B-V)_{\rm W} + 6.874. \quad (5)$$

Table 2. The comparison stars and their magnitudes in Johnson (subscript J) and Walraven system (subscript W)

star	comparison	$V_{\rm J}$	$(B-V)_{\rm W}$	$(L-B)_{\rm W}$	$(U-B)_{\rm W}$	$(W-U)_{\rm W}$
GW Car	HD83502	10.14	0.083	0.286	0.866	0.250
V685 Cen	HD99415	8.97	0.071	0.106	0.327	0.072
V742 Cen	HD100119	7.16	-0.055	0.183	0.760	0.140
V764 Sco	HD162967	8.52	-0.045	0.225	0.684	0.098

Individual differential $VBLUW$ magnitudes of GW Car with respect to the comparison star are given in Tables 3 and 4 and displayed in Fig 1. Individual differential $VBLU$ magnitudes of V 685 Cen and V742 Cen with respect to the comparison star are given in Tables 5 and 6 and displayed in Fig. 2. Due to the large number of individual observations of V764 Sco (see Fig. 2), we present in Table 7 the weighted normal points in intensities instead of individual observations. They were calculated from individual observations using the approach described in paper Chochol et al. (2003).

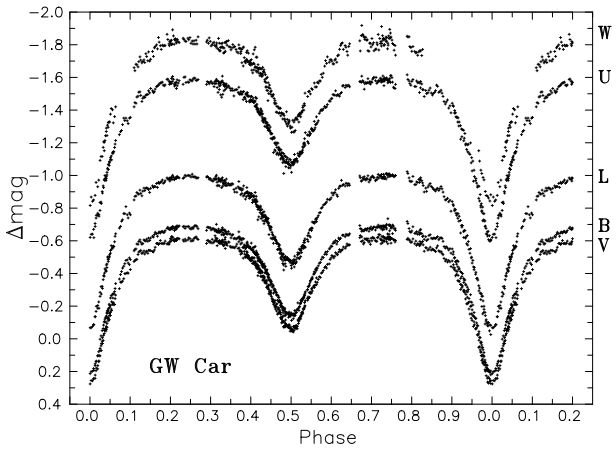

Figure 1. $VBLUW$ observations of GW Car.

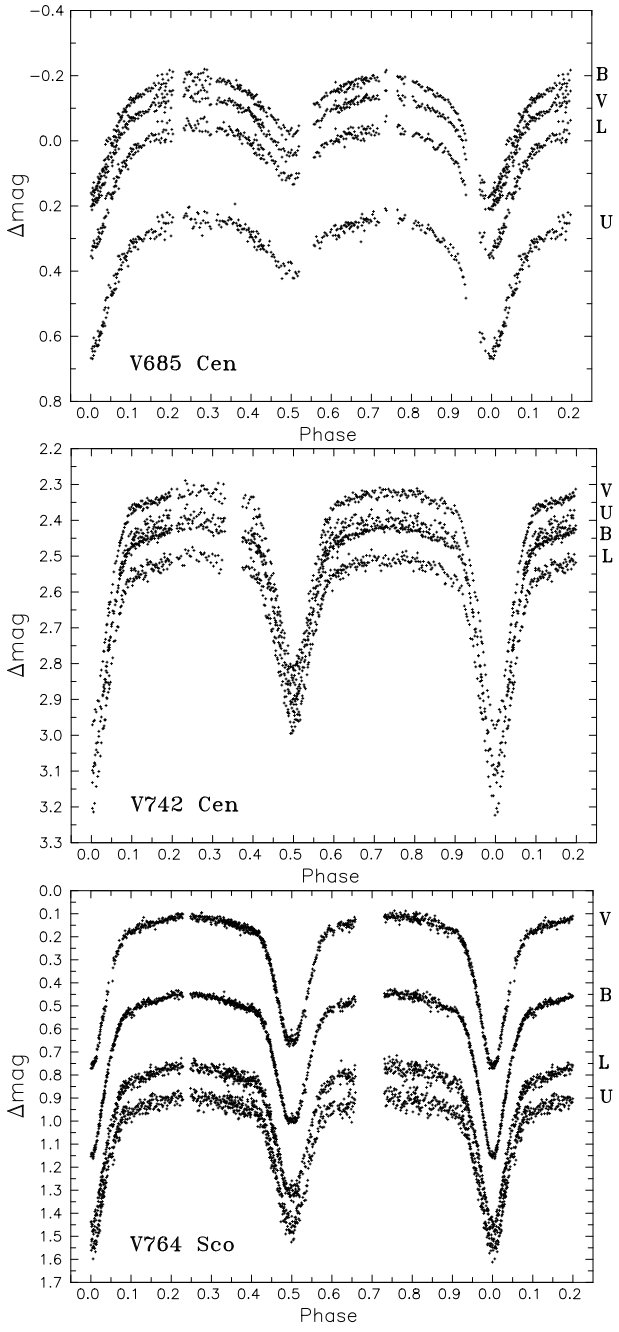

Figure 2. *VBLU* observations of V685 Cen, V742 Cen and V764 Sco.

Table 3. Individual differential $VBLU$ magnitudes of GW Car with respect to the comparison star. Heliocentric julian dates are JD = JD* + 2 400 000

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
40289					**40300**				
.4044	-0.619	-0.693	-0.997	-1.574	.2909	-0.610	-0.701	-1.001	-1.589
.4058	-0.632	-0.674	-0.986	-1.575	.2930	-0.570	-0.652	-0.937	-1.538
.4086	-0.596	-0.672	-0.965	-1.570	.2969	-0.596	-0.672	-0.984	-1.576
.4102	-0.624	-0.658	-0.968	-1.608	.2992	-0.583	-0.650	-0.968	-1.548
.4128	-0.600	-0.664	-0.986	-1.580	.3023	-0.589	-0.657	-0.971	-1.552
.4145	-0.581	-0.661	-0.977	-1.572	.3047	-0.594	-0.662	-0.976	-1.572
.4170	-0.589	-0.662	-0.992	-1.528	.3075	-0.605	-0.680	-0.986	-1.608
.4186	-0.612	-0.670	-0.978	-1.561	.3106	-0.570	-0.636	-0.950	-1.555
.4212	-0.610	-0.673	-0.971	-1.570	.3139	-0.575	-0.642	-0.968	-1.545
.4231	-0.611	-0.665	-0.981	-1.564	.3159	-0.553	-0.621	-0.938	-1.527
.4259	-0.602	-0.674	-0.979	-1.568	.3188	-0.581	-0.649	-0.978	-1.560
.4274	-0.613	-0.676	-0.998	-1.592	.3209	-0.572	-0.640	-0.940	-1.542
.4302	-0.591	-0.659	-0.960	-1.565	.3244	-0.593	-0.657	-0.951	-1.549
.4318	-0.599	-0.675	-0.974	-1.573	.3266	-0.591	-0.642	-0.940	-1.541
.4344	-0.578	-0.674	-0.973	-1.559	.3296	-0.567	-0.642	-0.946	-1.532
.4359	-0.616	-0.685	-0.987	-1.574	.3319	-0.559	-0.618	-0.940	-1.520
.4387	-0.600	-0.668	-0.992	-1.570	.3347	-0.562	-0.632	-0.950	-1.532
.4403	-0.621	-0.674	-0.996	-1.590	.3371	-0.560	-0.639	-0.947	-1.520
.4431	-0.617	-0.682	-0.988	-1.597	.3402	-0.560	-0.613	-0.914	-1.487
.4445	-0.615	-0.685	-0.987	-1.601	.3424	-0.557	-0.616	-0.899	-1.522
.4484	-0.601	-0.666	-0.968	-1.580	.3462	-0.567	-0.612	-0.922	-1.526
.4500	-0.597	-0.682	-0.974	-1.600	.3485	-0.580	-0.612	-0.897	-1.526
.4524	-0.597	-0.684	-0.974	-1.564	.3519	-0.553	-0.620	-0.930	-1.509
.4538	-0.619	-0.682	-0.989	-1.572	.3541	-0.594	-0.655	-0.963	-1.540
.4563	-0.623	-0.696	-1.007	-1.575	.3572	-0.542	-0.607	-0.916	-1.500
.4578	-0.638	-0.685	-0.984	-1.582	.3594	-0.518	-0.580	-0.882	-1.501
.4603	-0.637	-0.684	-0.997	-1.577	.3626	-0.524	-0.587	-0.890	-1.497
.4618	-0.611	-0.690	-1.000	-1.595	.3663	-0.494	-0.560	-0.874	-1.464
.4642	-0.582	-0.674	-0.990	-1.582	.3694	-0.535	-0.575	-0.880	-1.478
.4657	-0.604	-0.688	-1.007	-1.590	.3723	-0.499	-0.551	-0.855	-1.468
.4682	-0.588	-0.667	-0.988	-1.577	.3754	-0.516	-0.559	-0.870	-1.452
.4699	-0.602	-0.678	-0.982	-1.575	.3776	-0.527	-0.592	-0.901	-1.488
.4724	-0.599	-0.670	-0.991	-1.550	.3808	-0.510	-0.564	-0.877	-1.485
.4738	-0.617	-0.688	-0.981	-1.578	.3831	-0.499	-0.558	-0.860	-1.455
.4782	-0.617	-0.682	-1.011	-1.592	.3863	-0.480	-0.555	-0.865	-1.482
.4797	-0.594	-0.673	-1.012	-1.590	.3888	-0.480	-0.586	-0.890	-1.484
.4824	-0.617	-0.642	-1.008	-1.584	.3919	-0.462	-0.542	-0.834	-1.452
.4840	-0.619	-0.626	-1.004	-1.581	.3941	-0.495	-0.559	-0.878	-1.474
.4866	-0.607	-0.640	-1.011	-1.590	.3974	-0.495	-0.561	-0.874	-1.454
.4883	-0.618	-0.661	-0.997	-1.592	.3998	-0.473	-0.566	-0.896	-1.456
.4907	-0.620	-0.687	-1.000	-1.610	.4027	-0.434	-0.537	-0.872	-1.430
.4922	-0.586	-0.677	-0.999	-1.612	.4049	-0.440	-0.522	-0.839	-1.436
.4948	-0.614	-0.682	-0.998	-1.599	.4079	-0.430	-0.492	-0.791	-1.407
.4964	-0.644	-0.696	-1.005	-1.571	.4102	-0.438	-0.480	-0.803	-1.390
.4991	-0.607	-0.690	-0.995	-1.540	.4132	-0.418	-0.475	-0.803	-1.380
.5007	-0.606	-0.673	-0.992	-1.535	.4155	-0.402	-0.468	-0.812	-1.408
.5033	-0.593	-0.676	-0.998	-1.532	.4186	-0.413	-0.474	-0.792	-1.393
.5048	-0.602	-0.664	-1.000	-1.557	.4217	-0.359	-0.437	-0.743	-1.344

Table 3. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.4247	-0.379	-0.459	-0.778	-1.348	.4700	-0.614	-0.680	-0.990	-1.549
.4268	-0.344	-0.404	-0.719	-1.301	**40317**				
.4300	-0.343	-0.404	-0.728	-1.318	.2883	-0.556	-0.625	-0.922	-1.500
.4324	-0.315	-0.398	-0.743	-1.324	.2906	-0.536	-0.614	-0.920	-1.497
.4356	-0.313	-0.383	-0.712	-1.287	.2935	-0.539	-0.616	-0.922	-1.514
.4378	-0.328	-0.391	-0.709	-1.283	.2956	-0.533	-0.605	-0.909	-1.499
40311					.2989	-0.559	-0.614	-0.917	-1.510
.3489	-0.473	-0.539	-0.850	-1.420	.3011	-0.561	-0.612	-0.936	-1.514
.3513	-0.480	-0.548	-0.872	-1.446	.3040	-0.518	-0.570	-0.889	-1.479
.3543	-0.484	-0.550	-0.874	-1.442	.3068	-0.504	-0.564	-0.893	-1.498
.3567	-0.487	-0.581	-0.896	-1.480	.3102	-0.534	-0.586	-0.926	-1.505
.3600	-0.516	-0.579	-0.887	-1.485	.3128	-0.509	-0.579	-0.891	-1.486
.3623	-0.531	-0.596	-0.886	-1.510	.3184	-0.492	-0.565	-0.870	-1.456
.3654	-0.535	-0.606	-0.910	-1.511	.3208	-0.484	-0.553	-0.873	-1.464
.3677	-0.541	-0.591	-0.890	-1.490	.3238	-0.487	-0.545	-0.872	-1.456
.3710	-0.522	-0.579	-0.875	-1.453	.3266	-0.497	-0.547	-0.850	-1.462
.3734	-0.527	-0.584	-0.904	-1.472	.3298	-0.474	-0.535	-0.841	-1.449
.3766	-0.538	-0.606	-0.923	-1.482	.3330	-0.468	-0.523	-0.854	-1.425
.3790	-0.519	-0.601	-0.907	-1.477	.3359	-0.459	-0.522	-0.854	-1.420
.3821	-0.531	-0.598	-0.921	-1.491	.3381	-0.458	-0.512	-0.843	-1.404
.3843	-0.536	-0.610	-0.924	-1.494	.3413	-0.449	-0.516	-0.814	-1.389
.3874	-0.524	-0.597	-0.921	-1.496	.3437	-0.407	-0.492	-0.807	-1.386
.3897	-0.542	-0.617	-0.913	-1.518	.3468	-0.425	-0.485	-0.804	-1.380
.3929	-0.541	-0.602	-0.896	-1.506	.3490	-0.382	-0.471	-0.786	-1.384
.3953	-0.540	-0.617	-0.921	-1.532	.3521	-0.380	-0.450	-0.762	-1.374
.4009	-0.534	-0.628	-0.936	-1.518	.3546	-0.382	-0.454	-0.772	-1.377
.4032	-0.532	-0.623	-0.927	-1.507	.3610	-0.358	-0.443	-0.757	-1.344
.4061	-0.544	-0.639	-0.932	-1.512	.3632	-0.343	-0.424	-0.730	-1.326
.4083	-0.561	-0.652	-0.932	-1.529	.3663	-0.316	-0.404	-0.719	-1.296
.4121	-0.584	-0.644	-0.951	-1.544	.3687	-0.319	-0.398	-0.714	-1.289
.4144	-0.584	-0.628	-0.927	-1.548	.3715	-0.304	-0.376	-0.694	-1.288
.4174	-0.577	-0.648	-0.958	-1.552	.3738	-0.289	-0.359	-0.679	-1.276
.4195	-0.585	-0.654	-0.950	-1.560	.3768	-0.275	-0.350	-0.683	-1.262
.4228	-0.602	-0.648	-0.958	-1.566	.3790	-0.260	-0.352	-0.683	-1.257
.4252	-0.583	-0.656	-0.962	-1.568	.3822	-0.228	-0.323	-0.640	-1.224
.4282	-0.585	-0.658	-0.972	-1.571	.3842	-0.230	-0.328	-0.619	-1.230
.4307	-0.582	-0.650	-0.952	-1.553	.3872	-0.223	-0.306	-0.611	-1.228
.4340	-0.585	-0.653	-0.958	-1.549	.3894	-0.235	-0.301	-0.623	-1.201
.4362	-0.598	-0.662	-0.967	-1.554	.3926	-0.212	-0.284	-0.597	-1.186
.4414	-0.580	-0.676	-0.985	-1.588	.3948	-0.214	-0.269	-0.584	-1.171
.4438	-0.585	-0.683	-0.978	-1.590	.3998	-0.190	-0.254	-0.578	-1.172
.4469	-0.578	-0.671	-0.976	-1.577	.4020	-0.162	-0.235	-0.574	-1.162
.4491	-0.596	-0.669	-0.966	-1.573	.4054	-0.149	-0.204	-0.544	-1.129
.4520	-0.596	-0.670	-0.974	-1.562	.4077	-0.125	-0.192	-0.525	-1.108
.4541	-0.626	-0.682	-0.989	-1.594	.4110	-0.108	-0.182	-0.502	-1.106
.4572	-0.623	-0.688	-1.001	-1.606	.4132	-0.107	-0.191	-0.518	-1.134
.4595	-0.602	-0.684	-0.990	-1.589	.4162	-0.077	-0.182	-0.496	-1.120
.4626	-0.597	-0.663	-0.977	-1.547	.4186	-0.094	-0.164	-0.482	-1.116
.4649	-0.606	-0.675	-0.982	-1.556	.4216	-0.082	-0.158	-0.488	-1.096
.4679	-0.602	-0.672	-0.981	-1.532	.4238	-0.080	-0.158	-0.498	-1.074

Table 3. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.4268	-0.076	-0.156	-0.481	-1.070	.3596	-0.592	-0.656	-0.966	-1.561
.4289	-0.084	-0.164	-0.484	-1.100	.3618	-0.600	-0.656	-0.976	-1.568
.4323	-0.063	-0.144	-0.480	-1.096	.3648	-0.590	-0.655	-0.971	-1.561
.4355	-0.049	-0.113	-0.432	-1.019	.3669	-0.584	-0.664	-0.978	-1.572
.4407	-0.042	-0.123	-0.466	-1.066	.3699	-0.601	-0.671	-0.972	-1.579
.4430	-0.067	-0.140	-0.440	-1.096	.3721	-0.577	-0.668	-0.959	-1.569
.4460	-0.064	-0.144	-0.463	-1.098	.3751	-0.591	-0.664	-0.967	-1.558
.4481	-0.082	-0.171	-0.484	-1.098	.3773	-0.608	-0.667	-0.968	-1.561
.4511	-0.062	-0.180	-0.496	-1.083	.3802	-0.593	-0.656	-0.956	-1.550
.4532	-0.115	-0.220	-0.528	-1.135	.3823	-0.582	-0.646	-0.939	-1.536
.4562	-0.108	-0.174	-0.494	-1.123	**40324**				
.4582	-0.129	-0.196	-0.525	-1.134	.2329	-0.129	-0.214	-0.547	-1.145
40318					.2351	-0.135	-0.236	-0.540	-1.135
.2217	-0.587	-0.673	-0.984	-1.558	.2382	-0.154	-0.240	-0.553	-1.138
.2242	-0.613	-0.678	-0.984	-1.568	.2404	-0.154	-0.239	-0.571	-1.175
.2273	-0.607	-0.677	-0.987	-1.563	.2435	-0.185	-0.250	-0.590	-1.198
.2296	-0.621	-0.672	-0.976	-1.575	.2457	-0.200	-0.264	-0.590	-1.198
.2350	-0.611	-0.676	-0.974	-1.560	.2542	-0.236	-0.302	-0.631	-1.207
.2378	-0.603	-0.684	-0.984	-1.568	.2566	-0.247	-0.320	-0.647	-1.197
.2409	-0.603	-0.687	-0.989	-1.570	.2596	-0.254	-0.336	-0.666	-1.244
.2431	-0.614	-0.692	-0.994	-1.585	.2618	-0.286	-0.357	-0.673	-1.256
.2464	-0.614	-0.688	-0.988	-1.565	.2654	-0.281	-0.368	-0.678	-1.288
.2490	-0.612	-0.691	-0.985	-1.580	.2675	-0.293	-0.367	-0.677	-1.272
.2600	-0.605	-0.686	-0.982	-1.558	.2729	-0.314	-0.398	-0.714	-1.280
.2624	-0.597	-0.689	-0.988	-1.601	.2752	-0.328	-0.408	-0.716	-1.291
.2658	-0.610	-0.676	-1.001	-1.603	.2792	-0.331	-0.420	-0.717	-1.314
.2681	-0.600	-0.687	-0.996	-1.569	.2813	-0.346	-0.432	-0.742	-1.322
.2736	-0.606	-0.687	-1.000	-1.572	.2842	-0.364	-0.447	-0.753	-1.334
.2759	-0.618	-0.688	-1.000	-1.570	.2868	-0.380	-0.463	-0.771	-1.380
.2792	-0.613	-0.676	-0.998	-1.586	.2897	-0.376	-0.468	-0.773	-1.393
.2823	-0.598	-0.671	-0.990	-1.580	.2924	-0.402	-0.486	-0.799	-1.403
.2855	-0.604	-0.681	-1.008	-1.579	.2953	-0.407	-0.500	-0.805	-1.398
.2878	-0.600	-0.674	-0.992	-1.590	.2980	-0.418	-0.497	-0.819	-1.408
.2907	-0.613	-0.686	-0.990	-1.596	.3022	-0.436	-0.517	-0.823	-1.423
.2934	-0.620	-0.694	-0.993	-1.595	.3044	-0.443	-0.530	-0.830	-1.416
.2965	-0.624	-0.692	-0.985	-1.582	.3074	-0.433	-0.517	-0.837	-1.419
.2988	-0.615	-0.686	-0.984	-1.582	.3096	-0.456	-0.534	-0.854	-1.434
.3021	-0.608	-0.674	-0.986	-1.587	.3149	-0.459	-0.550	-0.851	-1.456
.3259	-0.584	-0.664	-0.990	-1.557	.3171	-0.486	-0.556	-0.853	-1.454
.3280	-0.602	-0.683	-0.994	-1.574	.3201	-0.495	-0.568	-0.863	-1.468
.3311	-0.601	-0.682	-0.988	-1.570	.3223	-0.510	-0.566	-0.893	-1.472
.3333	-0.592	-0.680	-0.977	-1.561	.3254	-0.504	-0.584	-0.880	-1.495
.3363	-0.595	-0.680	-0.981	-1.571	.3276	-0.495	-0.593	-0.891	-1.493
.3385	-0.587	-0.667	-0.971	-1.576	.3306	-0.506	-0.589	-0.896	-1.491
.3416	-0.609	-0.671	-0.969	-1.562	.3328	-0.527	-0.602	-0.912	-1.518
.3438	-0.587	-0.676	-0.965	-1.566	.3360	-0.519	-0.580	-0.882	-1.488
.3469	-0.593	-0.672	-0.980	-1.544	.3382	-0.515	-0.595	-0.872	-1.494
.3491	-0.600	-0.666	-0.974	-1.562	.3414	-0.531	-0.617	-0.921	-1.492
.3521	-0.601	-0.668	-0.978	-1.562	.3437	-0.547	-0.608	-0.934	-1.485
.3543	-0.598	-0.663	-0.978	-1.578	.3468	-0.533	-0.616	-0.934	-1.502

SUPPLEMENT

Table 3. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.3491	-0.543		-0.970	-1.508	.3290	-0.069	-0.152	-0.481	-1.084
.3521	-0.545	-0.634	-0.940	-1.548	.3311	-0.070	-0.156	-0.486	-1.066
.3543	-0.562	-0.634	-0.945	-1.551	.3340	-0.062	-0.153	-0.480	-1.046
.3595	-0.554	-0.625	-0.935	-1.538	.3362	-0.072	-0.149	-0.477	-1.059
.3617	-0.564	-0.640	-0.952	-1.552	.3393	-0.057	-0.149	-0.468	-1.077
.3646	-0.581	-0.635	-0.950	-1.548	.3415	-0.055	-0.148	-0.478	-1.065
.3668	-0.572	-0.636	-0.938	-1.549	.3446	-0.051	-0.154	-0.486	-1.072
.3698	-0.575	-0.634	-0.950	-1.552	.3468	-0.076	-0.173	-0.506	-1.082
.3719	-0.575	-0.643	-0.940	-1.543	.3499	-0.067			
40325					.3524	-0.065			
.2120	-0.502	-0.569	-0.894	-1.495	.3573	-0.094			
.2144	-0.496	-0.570	-0.897	-1.507	.3597	-0.125		-0.549	
.2176	-0.496	-0.560	-0.889	-1.487	.3634	-0.141	-0.221	-0.542	-1.130
.2201	-0.485	-0.561	-0.892	-1.450	.3656	-0.146	-0.232	-0.563	-1.143
.2234	-0.478	-0.551	-0.888	-1.452	.3685	-0.161	-0.246	-0.572	-1.142
.2256	-0.479	-0.496	-0.888	-1.484	.3707	-0.183	-0.254	-0.572	-1.170
.2312	-0.460	-0.530	-0.869	-1.447	.3737	-0.190	-0.269	-0.602	-1.180
.2334	-0.468	-0.529	-0.849	-1.448	.3758	-0.202	-0.280	-0.612	-1.186
.2366	-0.449	-0.516	-0.834	-1.424	**40331**				
.2389	-0.445	-0.514	-0.822	-1.418	.2347	-0.605	-0.689	-0.994	-1.571
.2421	-0.428	-0.500	-0.807	-1.412	.2360	-0.628	-0.686	-0.983	-1.585
.2444	-0.447	-0.490	-0.807	-1.399	.2390	-0.622	-0.691	-0.983	-1.609
.2474	-0.428	-0.475	-0.807	-1.376	.2406	-0.626	-0.691	-1.007	-1.590
.2500	-0.405	-0.472	-0.789	-1.377	.2433	-0.598	-0.690	-0.993	-1.597
.2535	-0.414	-0.463	-0.764	-1.380	.2449	-0.617	-0.686	-0.985	-1.588
.2559	-0.406	-0.460	-0.764	-1.334	.2475	-0.615	-0.693	-0.978	-1.586
.2591	-0.384	-0.453	-0.753	-1.326	.2494	-0.610	-0.701	-1.007	-1.597
.2616	-0.377	-0.437	-0.748	-1.346	.2529	-0.582	-0.735	-0.990	-1.567
.2647	-0.349	-0.422	-0.748	-1.333	.2551	-0.611	-0.696	-1.005	-1.572
.2669	-0.353	-0.413	-0.737	-1.323	.2582	-0.623	-0.698	-0.996	-1.576
.2699	-0.322	-0.402	-0.729	-1.307	.2603	-0.608	-0.692	-0.998	-1.570
.2721	-0.328	-0.393	-0.704	-1.310	.3070	-0.608	-0.719	-1.023	-1.616
.2774	-0.284	-0.364	-0.689	-1.272	.3093	-0.615	-0.706	-1.012	-1.588
.2798	-0.283	-0.348	-0.668	-1.254	.3124	-0.607	-0.675	-0.985	-1.578
.2830	-0.249	-0.336	-0.652	-1.255	.3146	-0.600	-0.657	-0.966	-1.562
.2860	-0.241	-0.321	-0.633	-1.232	.3175	-0.590	-0.651	-0.962	-1.552
.2891	-0.221	-0.302	-0.619	-1.234	.3201	-0.593	-0.660	-0.964	-1.576
.2913	-0.204	-0.293	-0.608	-1.196	.3232	-0.611	-0.686	-0.994	-1.587
.2944	-0.198	-0.284	-0.603	-1.194	.3283	-0.582	-0.646	-0.944	-1.545
.2967	-0.194	-0.270	-0.589	-1.199	.3315	-0.598	-0.646	-0.944	-1.544
.2997	-0.183	-0.265	-0.584	-1.198	.3336	-0.572	-0.656	-0.960	-1.578
.3018	-0.181	-0.253	-0.567	-1.162	.3367	-0.582	-0.640	-0.957	-1.567
.3048	-0.163	-0.230	-0.551	-1.152	.3397	-0.579	-0.652	-0.975	-1.571
.3069	-0.161	-0.224	-0.539	-1.128	.3428	-0.596	-0.664	-0.978	-1.565
.3098	-0.119	-0.217	-0.523	-1.133	.3450	-0.583	-0.670	-0.986	-1.575
.3121	-0.135	-0.196	-0.512	-1.115	.3479	-0.587	-0.644	-0.968	-1.560
.3169	-0.105	-0.177	-0.492	-1.088	.3503	-0.596	-0.626	-0.954	-1.525
.3191	-0.072	-0.169	-0.500	-1.080	**40337**				
.3239	-0.084	-0.160	-0.486	-1.082	.2282	-0.022	-0.084	-0.386	-0.926
.3260	-0.074	-0.155	-0.488	-1.109	.2305	-0.051	-0.105	-0.402	-0.970

SUPPLEMENT

Table 3. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.2337	-0.064	-0.129	-0.422	-0.984	.2493	-0.360	-0.443	-0.723	-1.349
.2358	-0.076	-0.138	-0.452	-0.992	.2521	-0.369	-0.435	-0.705	-1.338
.2390	-0.125	-0.173	-0.501	-1.044	.2549	-0.350	-0.445	-0.754	-1.350
.2411	-0.110	-0.166	-0.489	-1.037	.2584	-0.340	-0.418	-0.741	-1.297
.2451	-0.156	-0.205	-0.514	-1.078	.2604	-0.359	-0.423	-0.726	-1.323
40338					.2639	-0.304	-0.373	-0.736	-1.275
.2815	0.052	-0.030	-0.325	-0.860	.2660	-0.276	-0.360	-0.638	-1.307
.2839	0.049	-0.008	-0.310	-0.844	.2695	-0.271	-0.329	-0.667	-1.296
.2874	0.083	0.021	-0.278	-0.806	.2715	-0.294	-0.337	-0.616	-1.227
.2900	0.132	0.038	-0.261	-0.778	.2750	-0.238	-0.316	-0.611	-1.223
.2936	0.146	0.067	-0.232	-0.768	.2785	-0.212	-0.279	-0.585	-1.140
.2962	0.159	0.106	-0.181	-0.722	.2820	-0.196	-0.295	-0.613	-1.156
.2999	0.198	0.146	-0.142	-0.690	.2840	-0.183	-0.287	-0.608	-1.150
.3025	0.226	0.174	-0.117	-0.642	.2875	-0.170	-0.268	-0.584	-1.130
.3062	0.265	0.196	-0.080	-0.629	.2896	-0.151	-0.236	-0.547	-1.138
.3089	0.271	0.198	-0.100	-0.607	.2931	-0.156	-0.231	-0.549	-1.126
.3126	0.261	0.206	-0.086	-0.597	.2958	-0.161	-0.227	-0.525	-1.136
.3152	0.273	0.197	-0.083	-0.608	.2986	-0.129	-0.204	-0.495	-1.101
.3195	0.276	0.213	-0.068	-0.621	.3021	-0.132	-0.199	-0.505	-1.141
.3222	0.255	0.201	-0.068	-0.640	.3056	-0.103	-0.159	-0.477	-1.095
.3261	0.257	0.198	-0.076	-0.641	.3077	-0.072	-0.140	-0.421	-1.012
.3292	0.244	0.182	-0.088	-0.670	.3104	-0.080	-0.188	-0.485	-1.085
.3333	0.242	0.164	-0.135	-0.706	.3125	-0.115	-0.154	-0.505	-1.080
.3361	0.195	0.140	-0.168	-0.739	**42181**				
.3407	0.184	0.105	-0.187	-0.756	.2274	-0.162	-0.226	-0.549	-1.157
.3435	0.140	0.079	-0.226	-0.760	.2302	-0.176	-0.231	-0.553	-1.154
.3474	0.071	0.002	-0.285	-0.834	.2330	-0.129	-0.212	-0.520	-1.158
.3499	0.043	-0.018	-0.319	-0.837	.2350	-0.098	-0.196	-0.487	-1.120
.3532	0.015	-0.050	-0.321	-0.901	.2385	-0.101	-0.172	-0.461	-1.078
.3559	0.010	-0.063	-0.362	-0.936	.2406	-0.074	-0.179	-0.452	-1.102
.3589	-0.032	-0.104	-0.384	-0.977	.2448	-0.075	-0.142	-0.460	-1.118
.3610	-0.054	-0.121	-0.429	-0.999	.2468	-0.090	-0.147	-0.444	-1.054
.3646	-0.057	-0.138	-0.415	-0.980	.2545	-0.084	-0.132	-0.485	-1.047
.3667	-0.093	-0.163	-0.436	-1.003	.2566	-0.085	-0.145	-0.479	-1.068
.3704	-0.126	-0.184	-0.474	-1.037	.2593	-0.047	-0.136	-0.466	-1.062
.3728	-0.141	-0.212	-0.503	-1.061	.2621	-0.060	-0.159	-0.449	-1.081
.3766	-0.162	-0.250	-0.541	-1.109	.2656	-0.047	-0.147	-0.461	-1.077
.3786	-0.182	-0.265	-0.570	-1.119	.2684	-0.076	-0.147	-0.460	-1.086
.3822	-0.212	-0.273	-0.560	-1.139	.2711	-0.073	-0.146	-0.476	-1.129
.3845	-0.222	-0.276	-0.568	-1.146	.2739	-0.072	-0.157	-0.461	-1.091
.3881	-0.210	-0.289	-0.594	-1.171	.2771	-0.080	-0.162	-0.470	-1.103
.3910	-0.268	-0.338	-0.643	-1.214	.2795	-0.077	-0.182	-0.515	-1.089
42164					.2830	-0.113	-0.189	-0.519	-1.120
.2285	-0.454	-0.516	-0.845	-1.478	.2850	-0.127	-0.197	-0.491	-1.118
.2313	-0.455	-0.529	-0.812	-1.472	.2885	-0.122	-0.216	-0.503	-1.140
.2347	-0.387	-0.477	-0.729	-1.390	.2913	-0.161	-0.230	-0.528	-1.143
.2375	-0.408	-0.501	-0.747	-1.385	.2941	-0.165	-0.244	-0.562	-1.155
.2410	-0.406	-0.486	-0.772	-1.370	.2968	-0.180	-0.253	-0.554	-1.192
.2438	-0.409	-0.469	-0.736	-1.399	.2996	-0.222	-0.269	-0.565	-1.225
.2465	-0.384	-0.456	-0.750	-1.358	.3017	-0.233	-0.288	-0.561	-1.262

SUPPLEMENT

Table 3. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.3073	-0.248	-0.299	-0.608	-1.248	.3662	0.243	0.193	-0.086	-0.619
.3094	-0.256	-0.319	-0.596	-1.247	.3697	0.222	0.153	-0.135	-0.688
.3128	-0.283	-0.325	-0.630	-1.267	.3728	0.179	0.136	-0.199	-0.756
.3156	-0.278	-0.349	-0.623	-1.254	.3770	0.164	0.103	-0.204	-0.769
.3191	-0.306	-0.366	-0.663	-1.281	.3804	0.135	0.101	-0.187	-0.751
.3211	-0.310	-0.377	-0.715	-1.282	.3835	0.105	0.059	-0.260	-0.786
.3246	-0.322	-0.396	-0.711	-1.273	.3870	0.072	0.030	-0.274	-0.828
.3267	-0.327	-0.410	-0.707	-1.331	.3902	0.029	-0.007	-0.309	-0.892
.3302	-0.348	-0.426	-0.733	-1.311	.3999	-0.048	-0.103	-0.414	-0.969
.3330	-0.373	-0.433	-0.732	-1.359	.4030	-0.070	-0.155	-0.458	-1.019
42191					.4065	-0.129	-0.175	-0.486	-1.068
.2084	-0.631	-0.660	-0.978	-1.576	.4096	-0.117	-0.191	-0.500	-1.085
.2105	-0.618	-0.664	-0.992	-1.577	.4127	-0.143	-0.203	-0.524	-1.098
.2140	-0.614	-0.659	-0.959	-1.577	.4158	-0.173	-0.227	-0.549	-1.095
.2168	-0.595	-0.652	-0.940	-1.509	.4193	-0.210	-0.250	-0.556	-1.134
.2203	-0.601	-0.658	-0.936	-1.526	.4224	-0.209	-0.274	-0.565	-1.145
.2244	-0.584	-0.664	-0.962	-1.493	.4256	-0.246	-0.308	-0.628	-1.192
.2272	-0.588	-0.637	-0.925	-1.479	.4377	-0.307	-0.366	-0.678	-1.250
.2300	-0.594	-0.650	-0.935	-1.496	.4408	-0.347	-0.393	-0.688	-1.268
.2334	-0.573	-0.639	-0.947	-1.518	.4437	-0.347	-0.411	-0.720	-1.275
.2362	-0.589	-0.662	-0.951	-1.553	.4467	-0.353	-0.433	-0.729	-1.311
43237					.4499	-0.368	-0.445	-0.767	-1.351
.2457	-0.435	-0.517	-0.823	-1.428	.4530	-0.399	-0.460	-0.766	-1.336
.2492	-0.423	-0.494	-0.784	-1.382	.4561	-0.400	-0.480	-0.809	-1.351
.2537	-0.416	-0.471	-0.769	-1.359	.4596	-0.404	-0.483	-0.759	-1.334
.2568	-0.412	-0.479	-0.767	-1.357	.4624	-0.402	-0.464	-0.740	-1.317
.2596	-0.389	-0.473	-0.766	-1.352	.4658	-0.454	-0.495	-0.770	-1.351
.2627	-0.350	-0.432	-0.750	-1.327	.4686	-0.424	-0.485	-0.759	-1.355
.2662	-0.333	-0.411	-0.725	-1.305	**43255**				
.2690	-0.330	-0.406	-0.694	-1.284	.2139	-0.570	-0.640	-0.957	-1.508
.2724	-0.323	-0.399	-0.693	-1.280	.2167	-0.575	-0.647	-0.971	-1.536
.2752	-0.297	-0.369	-0.656	-1.277	.2243	-0.575	-0.630	-0.938	-1.526
.2787	-0.283	-0.360	-0.663	-1.257	.2271	-0.536	-0.609	-0.899	-1.483
.2818	-0.272	-0.329	-0.624	-1.194	.2313	-0.558	-0.625	-0.923	-1.520
.2856	-0.255	-0.316	-0.632	-1.188	.2340	-0.556	-0.601	-0.903	-1.501
.2884	-0.223	-0.302	-0.595	-1.191	.2375	-0.543	-0.609	-0.929	-1.506
.2947	-0.199	-0.270	-0.552	-1.199	.2403	-0.549	-0.632	-0.941	-1.522
.2978	-0.153	-0.224	-0.500	-1.109	.2438	-0.561	-0.637	-0.951	-1.535
.3013	-0.144	-0.207	-0.480	-1.088	.2465	-0.543	-0.616	-0.933	-1.505
.3044	-0.104	-0.161	-0.423	-1.032	.2500	-0.549	-0.613	-0.925	-1.492
.3089	-0.063	-0.124	-0.395	-0.969	.2528	-0.545	-0.616	-0.916	-1.502
.3117	-0.067	-0.097	-0.369	-0.953	.2563	-0.541	-0.616	-0.911	-1.509
.3151	-0.022	-0.079	-0.360	-0.937	.2590	-0.534	-0.614	-0.905	-1.519
.3183	0.009	-0.044	-0.293	-0.933	.2618	-0.557	-0.619	-0.917	-1.553
.3217	0.068	-0.008	-0.279	-0.883	.2646	-0.569	-0.625	-0.921	-1.546
.3249	0.103	0.021	-0.275	-0.827	.2681	-0.539	-0.607	-0.908	-1.509
.3287	0.124	0.053	-0.261	-0.807	.2709	-0.533	-0.616	-0.919	-1.513
.3322	0.139	0.084	-0.199	-0.766	.2743	-0.534	-0.620	-0.932	-1.522
.3356	0.160	0.144	-0.091	-0.687	.2771	-0.523	-0.614	-0.918	-1.504
.3415	0.192	0.162	-0.099	-0.640	.2799	-0.515	-0.597	-0.898	-1.484

SUPPLEMENT

Table 3. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.2827	-0.492	-0.565	-0.870	-1.452	.3492	-0.215	-0.288	-0.574	-1.145
.2861	-0.476	-0.555	-0.850	-1.437	.3527	-0.183	-0.247	-0.548	-1.137
.2889	-0.485	-0.564	-0.852	-1.450	.3555	-0.152	-0.227	-0.524	-1.129
.2924	-0.470	-0.555	-0.860	-1.462	.3589	-0.126	-0.201	-0.495	-1.077
.2959	-0.480	-0.544	-0.839	-1.412	.3617	-0.113	-0.177	-0.464	-1.028
.2993	-0.471	-0.552	-0.849	-1.426	.3652	-0.076	-0.139	-0.440	-0.965
.3021	-0.443	-0.525	-0.781	-1.383	.3680	-0.086	-0.134	-0.437	-0.993
.3056	-0.477	-0.550	-0.840	-1.442	.3721	-0.060	-0.126	-0.407	-0.981
.3090	-0.453	-0.532	-0.815	-1.423	.3763	-0.025	-0.082	-0.371	-0.929
.3125	-0.434	-0.498	-0.794	-1.397	.3860	0.079	0.025	-0.240	-0.816
.3153	-0.386	-0.473	-0.790	-1.383	.3888	0.105	0.055	-0.198	-0.784
.3181	-0.395	-0.457	-0.756	-1.356	.3916	0.148	0.098	-0.153	-0.723
.3215	-0.356	-0.441	-0.738	-1.327	.3943	0.143	0.107	-0.162	-0.729
.3243	-0.355	-0.424	-0.720	-1.303	.3978	0.189	0.130	-0.162	-0.721
.3292	-0.302	-0.370	-0.648	-1.222	.4006	0.192	0.159	-0.109	-0.676
.3327	-0.313	-0.381	-0.684	-1.237	.4041	0.241	0.181	-0.092	-0.655
.3382	-0.289	-0.345	-0.620	-1.212	.4068	0.234	0.189	-0.080	-0.658
.3395	-0.296	-0.360	-0.664	-1.228	.4103	0.244	0.196	-0.049	-0.631
.3430	-0.244	-0.334	-0.617	-1.187	.4138	0.255	0.220	-0.026	-0.602
.3464	-0.214	-0.292	-0.582	-1.159					

Table 4. Individual differential W magnitudes of GW Car with respect to the comparison star. Heliocentric julian dates are JD = JD* + 2 400 000

JD*	ΔW	JD*	ΔW	JD*	ΔW	JD*	ΔW	JD*	ΔW
40289		.4500	-1.773	.4964	-1.807	.3347	-1.781	.3974	-1.769
.4044	-1.824	.4524	-1.812	.4991	-1.802	.3371	-1.801	.3998	-1.785
.4058	-1.762	.4538	-1.800	.5007	-1.767	.3402	-1.785	.4027	-1.724
.4086	-1.856	.4563	-1.863	.5033	-1.795	.3424	-1.789	.4049	-1.724
.4102	-1.918	.4578	-1.768	.5048	-1.736	.3462	-1.771	.4079	-1.678
.4128	-1.863	.4603	-1.838	**40300**		.3485	-1.757	.4102	-1.655
.4145	-1.853	.4618	-1.808	.2909	-1.798	.3519	-1.750	.4132	-1.656
.4170	-1.846	.4642	-1.820	.2930	-1.779	.3541	-1.799	.4155	-1.625
.4186	-1.833	.4657	-1.911	.2969	-1.839	.3572	-1.778	.4186	-1.651
.4212	-1.846	.4682	-1.855	.2992	-1.810	.3594	-1.746	.4217	-1.614
.4231	-1.829	.4699	-1.835	.3023	-1.763	.3626	-1.690	.4247	-1.647
.4259	-1.830	.4724	-1.795	.3047	-1.785	.3663	-1.670	.4268	-1.586
.4274	-1.764	.4738	-1.801	.3075	-1.810	.3694	-1.721	.4300	-1.568
.4302	-1.760	.4782	-1.819	.3106	-1.750	.3723	-1.700	.4324	-1.542
.4318	-1.810	.4797	-1.843	.3139	-1.752	.3754	-1.753	.4356	-1.458
.4344	-1.809	.4824	-1.775	.3159	-1.760	.3776	-1.763	.4378	-1.501
.4359	-1.787	.4840	-1.797	.3188	-1.820	.3808	-1.749	**40311**	
.4387	-1.838	.4866	-1.839	.3209	-1.797	.3831	-1.695	.3489	-1.659
.4403	-1.800	.4883	-1.841	.3244	-1.825	.3863	-1.702	.3513	-1.641
.4431	-1.812	.4907	-1.871	.3266	-1.788	.3888	-1.709	.3543	-1.681
.4445	-1.763	.4922	-1.847	.3296	-1.786	.3919	-1.681	.3567	-1.677
.4484	-1.772	.4948	-1.829	.3319	-1.769	.3941	-1.744	.3600	-1.665

SUPPLEMENT

Table 4. (continued)

JD*	ΔW	JD*	ΔW	JD*	ΔW	JD*	ΔW	JD*	ΔW
.3623	-1.696	.3184	-1.685	**40318**		.2351	-1.377	.2176	-1.696
.3654	-1.726	.3208	-1.688	.2217	-1.794	.2382	-1.387	.2201	-1.680
.3677	-1.706	.3238	-1.645	.2242	-1.811	.2404	-1.416	.2234	-1.675
.3710	-1.689	.3266	-1.628	.2273	-1.828	.2435	-1.400	.2256	-1.684
.3734	-1.697	.3298	-1.646	.2296	-1.805	.2457	-1.428	.2312	-1.687
.3766	-1.707	.3330	-1.660	.2350	-1.803	.2542	-1.483	.2334	-1.682
.3790	-1.691	.3359	-1.641	.2378	-1.827	.2566	-1.513	.2366	-1.665
.3821	-1.745	.3381	-1.633	.2409	-1.815	.2596	-1.515	.2389	-1.661
.3843	-1.728	.3413	-1.639	.2431	-1.830	.2618	-1.499	.2421	-1.659
.3874	-1.702	.3437	-1.627	.2464	-1.818	.2654	-1.531	.2444	-1.651
.3897	-1.756	.3468	-1.611	.2490	-1.813	.2675	-1.526	.2474	-1.657
.3929	-1.700	.3490	-1.623	.2600	-1.840	.2729	-1.566	.2500	-1.653
.3953	-1.711	.3521	-1.605	.2624	-1.833	.2752	-1.541	.2535	-1.615
.4009	-1.759	.3546	-1.662	.2658	-1.823	.2792	-1.542	.2559	-1.623
.4032	-1.729	.3610	-1.575	.2681	-1.820	.2813	-1.570	.2591	-1.636
.4061	-1.781	.3632	-1.541	.2736	-1.840	.2842	-1.565	.2616	-1.631
.4083	-1.790	.3663	-1.521	.2759	-1.831	.2868	-1.578	.2647	-1.617
.4121	-1.799	.3687	-1.519	.2792	-1.844	.2897	-1.578	.2669	-1.594
.4144	-1.775	.3715	-1.538	.2823	-1.809	.2924	-1.619	.2699	-1.601
.4174	-1.844	.3738	-1.553	.2855	-1.823	.2953	-1.601	.2721	-1.567
.4195	-1.816	.3768	-1.512	.2878	-1.805	.2980	-1.626	.2774	-1.533
.4228	-1.794	.3790	-1.517	.2907	-1.824	.3022	-1.669	.2798	-1.496
.4252	-1.771	.3822	-1.485	.2934	-1.804	.3044	-1.703	.2830	-1.484
.4282	-1.797	.3842	-1.496	.2965	-1.828	.3074	-1.686	.2860	-1.492
.4307	-1.793	.3872	-1.444	.2988	-1.805	.3096	-1.726	.2891	-1.471
.4340	-1.796	.3894	-1.437	.3021	-1.849	.3149	-1.693	.2913	-1.458
.4362	-1.794	.3926	-1.388	.3259	-1.817	.3171	-1.708	.2944	-1.442
.4414	-1.864	.3948	-1.387	.3280	-1.828	.3201	-1.709	.2967	-1.423
.4438	-1.832	.3998	-1.380	.3311	-1.809	.3223	-1.699	.2997	-1.421
.4469	-1.805	.4020	-1.384	.3333	-1.842	.3254	-1.683	.3018	-1.412
.4491	-1.820	.4054	-1.365	.3363	-1.821	.3276	-1.683	.3048	-1.410
.4520	-1.824	.4077	-1.380	.3385	-1.793	.3306	-1.706	.3069	-1.411
.4541	-1.801	.4110	-1.346	.3416	-1.799	.3328	-1.712	.3098	-1.383
.4572	-1.891	.4132	-1.377	.3438	-1.810	.3360	-1.693	.3121	-1.377
.4595	-1.854	.4162	-1.346	.3469	-1.815	.3382	-1.732	.3169	-1.366
.4626	-1.833	.4186	-1.329	.3491	-1.796	.3414	-1.737	.3191	-1.340
.4649	-1.837	.4216	-1.315	.3521	-1.788	.3437	-1.772	.3239	-1.390
.4679	-1.811	.4238	-1.302	.3543	-1.811	.3468	-1.796	.3260	-1.343
.4700	-1.833	.4268	-1.316	.3596	-1.771	.3491	-1.808	.3290	-1.326
40317		.4289	-1.338	.3618	-1.763	.3521	-1.811	.3311	-1.328
.2883	-1.778	.4323	-1.290	.3648	-1.784	.3543	-1.771	.3340	-1.303
.2906	-1.777	.4355	-1.264	.3669	-1.807	.3595	-1.795	.3362	-1.294
.2935	-1.759	.4407	-1.267	.3699	-1.788	.3617	-1.785	.3393	-1.295
.2956	-1.771	.4430	-1.266	.3721	-1.781	.3646	-1.759	.3415	-1.338
.2989	-1.781	.4460	-1.275	.3751	-1.780	.3668	-1.736	.3446	-1.327
.3011	-1.786	.4481	-1.350	.3773	-1.814	.3698	-1.790	.3468	-1.339
.3040	-1.698	.4511	-1.342	.3802	-1.811	.3719	-1.806	.3499	-1.351
.3068	-1.689	.4532	-1.362	.3823	-1.820	**40325**		.3524	-1.346
.3102	-1.704	.4562	-1.327	**40324**		.2120	-1.711	.3573	-1.371
.3128	-1.696	.4582	-1.380	.2329	-1.377	.2144	-1.700	.3597	-1.366

SUPPLEMENT

Table 4. (continued)

JD*	ΔW	JD*	ΔW	JD*	ΔW	JD*	ΔW	JD*	ΔW
.3634	-1.359	.2551	-1.854	.3450	-1.762	.2936	-0.988	.3474	-1.092
.3656	-1.388	.2582	-1.894	.3479	-1.734	.2962	-0.973	.3499	-1.116
.3685	-1.396	.2603	-1.843	.3503	-1.771	.2999	-0.902	.3532	-1.116
.3707	-1.427	.3070	-1.852	**40337**		.3025	-0.877	.3559	-1.172
.3737	-1.439	.3093	-1.848	.2282	-1.205	.3062	-0.873	.3589	-1.151
.3758	-1.504	.3124	-1.849	.2305	-1.204	.3089	-0.862	.3610	-1.213
40331		.3146	-1.789	.2337	-1.243	.3126	-0.844	.3646	-1.269
.2347	-1.792	.3175	-1.783	.2358	-1.290	.3152	-0.882	.3667	-1.244
.2360	-1.808	.3201	-1.760	.2390	-1.308	.3195	-0.816	.3704	-1.324
.2390	-1.828	.3232	-1.789	.2411	-1.295	.3222	-0.868	.3728	-1.328
.2406	-1.838	.3283	-1.759	.2451	-1.327	.3261	-0.842	.3766	-1.375
.2433	-1.834	.3315	-1.750	**40338**		.3292	-0.850	.3786	-1.410
.2449	-1.833	.3336	-1.753	.2815	-1.151	.3333	-0.878	.3822	-1.402
.2475	-1.847	.3367	-1.735	.2839	-1.088	.3361	-0.957	.3845	-1.322
.2494	-1.823	.3397	-1.756	.2874	-1.032	.3407	-0.931	.3881	-1.360
.2529	-1.810	.3428	-1.764	.2900	-1.012	.3435	-0.971	.3910	-1.420

Table 5. Individual differential $VBLU$ magnitudes of V685 Cen with respect to the comparison star. Heliocentric julian dates are JD = JD* + 2 400 000

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
43249					.4145	-0.071	-0.125	0.043	0.315
.2947	0.195	0.145	0.323	0.646	.4173	-0.069	-0.122	0.042	0.326
.2978	0.169	0.128	0.307	0.605	.4215	-0.068	-0.129	0.036	0.326
.3074	0.176	0.138	0.302	0.627	.4246	-0.081	-0.138	0.022	0.311
.3104	0.153	0.111	0.272	0.584	.4291	-0.084	-0.145	0.009	0.294
.3254	0.133	0.085	0.260	0.570	.4322	-0.079	-0.136	0.016	0.296
.3283	0.135	0.092	0.266	0.560	.4364	-0.088	-0.142	0.017	0.300
.3325	0.082	0.011	0.177	0.489	.4395	-0.077	-0.135	0.021	0.303
.3353	0.087	-0.002	0.169	0.482	.4437	-0.090	-0.144	0.014	0.308
.3394	0.079	0.002	0.162	0.481	.4472	-0.084	-0.142	0.014	0.301
.3423	0.057	-0.009	0.160	0.443	.4517	-0.090	-0.156	-0.001	0.289
.3468	0.037	-0.005	0.165	0.451	.4548	-0.089	-0.158	-0.007	0.281
.3499	0.050	0.008	0.176	0.471	.4586	-0.089	-0.152	-0.007	0.281
.3579	0.018	-0.034	0.116	0.414	.4617	-0.096	-0.162	-0.015	0.277
.3631	0.019	-0.032	0.127	0.409	.4662	-0.105	-0.153	0.003	0.300
.3662	0.003	-0.046	0.110	0.410	.4694	-0.110	-0.162	-0.022	0.272
.3701	-0.033	-0.084	0.072	0.354	.4735	-0.118	-0.161	-0.017	0.282
.3735	-0.027	-0.080	0.087	0.354	.4767	-0.117	-0.177	-0.017	0.278
.3774	-0.019	-0.073	0.099	0.364	.4812	-0.110	-0.170	-0.019	0.278
.3805	-0.020	-0.072	0.091	0.395	.4919	-0.105	-0.157	-0.002	0.289
.3843	-0.040	-0.088	0.079	0.373	.4961	-0.108	-0.163	0.006	0.287
.3878	-0.060	-0.098	0.062	0.347	.4989	-0.116	-0.173	-0.008	0.268
.3919	-0.049	-0.095	0.080	0.354	.5031	-0.132	-0.189	-0.027	0.234
.3951	-0.040	-0.089	0.075	0.367	.5058	-0.121	-0.176	-0.034	0.252
.3996	-0.036	-0.078	0.087	0.385	.5096	-0.103	-0.154	0.004	0.278
.4034	-0.073	-0.127	0.039	0.320	.5124	-0.119	-0.176	-0.033	0.253
.4076	-0.071	-0.133	0.023	0.306	**43295**				
.4103	-0.072	-0.125	0.033	0.309	.2086	-0.051	-0.114	0.051	0.320

SUPPLEMENT

Table 5. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.2114	-0.051	-0.111	0.050	0.323	.2336	-0.065	-0.119	0.013	0.285
.2156	-0.058	-0.116	0.036	0.294	.2368	-0.051	-0.109	0.043	0.323
.2187	-0.062	-0.117	0.035	0.307	.2409	-0.040	-0.097	0.055	0.333
.2230	-0.061	-0.111	0.037	0.313	.2437	-0.031	-0.102	0.054	0.322
.2260	-0.041	-0.104	0.047	0.330	.2475	-0.046	-0.105	0.045	0.330
.2305	-0.062	-0.126	0.015	0.311	.2507	-0.021	-0.092	0.057	0.334
.2333	-0.069	-0.131	0.012	0.297	.2573	-0.014	-0.087	0.068	0.339
.2382	-0.076	-0.134	0.020	0.293	.2600	-0.019	-0.075	0.067	0.342
.2406	-0.081	-0.137	0.008	0.282	.2649	-0.030	-0.101	0.041	0.321
.2448	-0.092	-0.147	0.006	0.286	.2677	-0.019	-0.099	0.037	0.308
.2475	-0.097	-0.138	0.011	0.291	.2718	-0.006	-0.079	0.048	0.342
.2573	-0.091	-0.147	0.001	0.280	.2746	-0.005	-0.075	0.060	0.355
.2601	-0.097	-0.151	-0.001	0.272	.2784	0.003	-0.071	0.061	0.349
.2652	-0.097	-0.151	0.009	0.291	.2816	0.000	-0.065	0.070	0.357
.2684	-0.110	-0.156	0.002	0.261	.2854	0.003	-0.064	0.064	0.369
.2722	-0.098	-0.151	0.002	0.290	.2882	0.014	-0.055	0.088	0.384
.2753	-0.099	-0.154	-0.006	0.274	.2927	0.005	-0.065	0.078	0.371
.2791	-0.105	-0.160	-0.016	0.271	.2955	0.026	-0.042	0.107	0.389
.2823	-0.108	-0.159	-0.003	0.290	.3017	0.027	-0.037	0.099	0.384
.2868	-0.100	-0.170	-0.013	0.270	.3045	0.050	-0.018	0.120	0.423
.2896	-0.099	-0.166	-0.014	0.262	.3086	0.024	-0.048	0.098	0.377
.2965	-0.103	-0.167	-0.006	0.278	.3121	0.031	-0.041	0.099	0.384
.2996	-0.098	-0.149	0.019	0.283	.3160	0.064	-0.004	0.121	0.408
.3034	-0.128	-0.175	-0.021	0.250	.3194	0.044	-0.031	0.114	0.407
.3059	-0.113	-0.175	-0.021	0.263	.3232	0.035	-0.029	0.108	0.373
.3104	-0.118	-0.181	-0.037	0.251	.3260	0.047	-0.021	0.115	0.398
.3135	-0.119	-0.179	-0.021	0.256	.3298	0.037	-0.033	0.107	0.372
.3173	-0.112	-0.172	-0.023	0.265	.3330	0.028	-0.039	0.105	0.376
.3205	-0.124	-0.178	-0.019	0.262	.3368	0.045	-0.014	0.134	0.421
.3243	-0.116	-0.159	-0.009	0.279	.3399	0.041	-0.020	0.133	0.422
.3274	-0.126	-0.168	-0.007	0.260	.3441	0.036	-0.023	0.116	0.403
.3312	-0.130	-0.186	-0.016	0.249	.3472	0.044	-0.027	0.100	0.408
.3340	-0.135	-0.189	-0.010	0.250	.3510	0.030	-0.031	0.113	0.415
.3385	-0.118	-0.175	-0.015	0.267	.3545	0.017	-0.046	0.100	0.402
.3416	-0.137	-0.191	-0.040	0.251	**43563**				
.3482	-0.119	-0.162	-0.001	0.310	.4684	-0.136	-0.183	-0.014	0.270
.3510	-0.124	-0.185	-0.021	0.260	.4722	-0.124	-0.179	-0.018	0.253
.3552	-0.130	-0.179	-0.006	0.250	.4771	-0.120	-0.178	-0.022	0.246
.3580	-0.123	-0.175	0.000	0.276	.4802	-0.102	-0.182	-0.024	0.260
.3621	-0.138	-0.186	-0.024	0.242	.4847	-0.108	-0.173	-0.021	0.251
.3646	-0.143	-0.193	-0.022	0.238	.4882	-0.104	-0.172	-0.019	0.261
43296					.4927	-0.106	-0.165	-0.010	0.274
.2045	-0.102	-0.144	-0.004	0.273	.4962	-0.113	-0.166	-0.011	0.259
.2076	-0.094	-0.149	-0.001	0.280	.5042	-0.101	-0.154	0.000	0.281
.2114	-0.088	-0.139	0.009	0.288	.5070	-0.095	-0.152	-0.004	0.284
.2142	-0.077	-0.132	0.015	0.279	.5115	-0.109	-0.164	-0.007	0.269
.2194	-0.071	-0.129	0.024	0.304	.5143	-0.102	-0.156	-0.021	0.258
.2225	-0.059	-0.112	0.039	0.326	.5181	-0.099	-0.160	-0.005	0.273
.2267	-0.066	-0.112	0.037	0.296	.5215	-0.092	-0.158	-0.003	0.268
.2298	-0.066	-0.110	0.044	0.335	.5264	-0.101	-0.155	0.001	0.275

SUPPLEMENT

Table 5. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.5295	-0.095	-0.143	0.020	0.281	.5568	-0.023	-0.067	0.093	0.382
.5337	-0.091	-0.138	0.026	0.289	.5596	-0.020	-0.077	0.067	0.348
.5365	-0.087	-0.135	0.027	0.294	.5658	-0.025	-0.091	0.065	0.359
.5406	-0.091	-0.146	0.025	0.306	.5686	-0.043	-0.089	0.070	0.363
.5434	-0.075	-0.137	0.020	0.302	.5724	-0.053	-0.103	0.060	0.355
.5479	-0.085	-0.137	0.013	0.310	.5752	-0.050	-0.108	0.050	0.344
.5507	-0.076	-0.139	0.012	0.311	.5794	-0.059	-0.110	0.048	0.338
.5549	-0.075	-0.133	0.008	0.310	.5822	-0.061	-0.107	0.042	0.330
.5580	-0.081	-0.133	0.036	0.299	.5860	-0.069	-0.116	0.054	0.340
.5618	-0.071	-0.126	0.032	0.305	.5888	-0.063	-0.125	0.025	0.311
.5650	-0.067	-0.126	0.022	0.325	.5926	-0.072	-0.130	0.026	0.302
.5729	-0.071	-0.126	0.033	0.331	.5954	-0.061	-0.118	0.012	0.310
.5757	-0.057	-0.119	0.041	0.341	.5999	-0.082	-0.133	0.011	0.302
.5802	-0.057	-0.113	0.045	0.318	.6023	-0.081	-0.134	0.015	0.311
.5833	-0.053	-0.103	0.054	0.352	.6068	-0.068	-0.132	0.032	0.333
.5882	-0.047	-0.103	0.059	0.328	.6099	-0.088	-0.137	0.021	0.302
.5913	-0.042	-0.093	0.070	0.364	**43570**				
.5952	-0.030	-0.088	0.064	0.355	.3847	-0.123	-0.180	-0.037	0.259
.5979	-0.034	-0.085	0.065	0.366	.3878	-0.107	-0.154	-0.002	0.302
.6021	-0.033	-0.083	0.069	0.347	.3920	-0.088	-0.152	0.002	0.292
.6052	-0.014	-0.065	0.080	0.375	.3955	-0.087	-0.148	0.004	0.296
.6090	-0.013	-0.062	0.098	0.391	.4000	-0.103	-0.159	-0.014	0.269
.6125	-0.004	-0.047	0.116	0.397	.4031	-0.093	-0.154	-0.014	0.268
.6163	-0.001	-0.047	0.126	0.418	.4097	-0.112	-0.174	-0.028	0.260
.6191	0.020	-0.033	0.122	0.418	.4125	-0.118	-0.172	-0.025	0.258
.6229	0.040	-0.022	0.135	0.441	.4159	-0.102	-0.150	-0.006	0.264
.6261	0.057	-0.002	0.166	0.483	.4191	-0.104	-0.158	-0.021	0.252
43568					.4229	-0.117	-0.161	-0.024	0.258
.4700	0.212	0.165	0.336	0.638	.4260	-0.102	-0.164	-0.025	0.270
.4731	0.193	0.156	0.325	0.631	.4299	-0.120	-0.178	-0.042	0.252
.4773	0.197	0.159	0.314	0.631	.4326	-0.123	-0.180	-0.019	0.252
.4804	0.187	0.150	0.327	0.621	.4361	-0.122	-0.181	-0.040	0.254
.4846	0.190	0.147	0.324	0.629	.4406	-0.112	-0.173	-0.028	0.258
.4881	0.182	0.131	0.317	0.629	.4507	-0.112	-0.166	-0.005	0.264
.4919	0.174	0.127	0.310	0.612	.4604	-0.123	-0.190	-0.026	0.237
.4947	0.156	0.117	0.303	0.596	.4635	-0.122	-0.196	-0.045	0.225
.4988	0.168	0.109	0.285	0.591	.4677	-0.131	-0.188	-0.036	0.240
.5016	0.134	0.095	0.279	0.565	.4708	-0.135	-0.191	-0.037	0.242
.5085	0.129	0.080	0.265	0.568	.4743	-0.133	-0.194	-0.034	0.241
.5117	0.112	0.072	0.231	0.543	.4774	-0.140	-0.185	-0.037	0.247
.5155	0.097	0.052	0.212	0.528	.4812	-0.130	-0.184	-0.044	0.242
.5186	0.094	0.047	0.221	0.513	.4840	-0.132	-0.182	-0.024	0.252
.5294	0.066	0.015	0.172	0.462	.4875	-0.125	-0.192	-0.038	0.243
.5322	0.060	0.007	0.159	0.466	.4906	-0.126	-0.191	-0.018	0.247
.5360	0.040	-0.014	0.141	0.456	.4944	-0.134	-0.200	-0.048	0.226
.5391	0.028	-0.013	0.138	0.438	.4972	-0.137	-0.201	-0.030	0.217
.5429	0.014	-0.029	0.123	0.420	.5010	-0.128	-0.193	-0.017	0.238
.5460	-0.002	-0.045	0.112	0.408	.5048	-0.130	-0.186	-0.025	0.259
.5499	-0.011	-0.057	0.113	0.396	.5086	-0.139	-0.195	-0.038	0.248
.5530	-0.009	-0.062	0.093	0.394	.5132	-0.127	-0.183	-0.021	0.251

SUPPLEMENT

Table 5. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
43579					.3707	0.107	0.060	0.237	0.519
.3749	-0.090	-0.130	0.000	0.301	.3738	0.098	0.057	0.234	0.512
.3801	-0.093	-0.141	-0.005	0.295	.3919	0.050	0.007	0.165	0.475
.3836	-0.135	-0.200	-0.059	0.234	.3947	0.077	0.013	0.178	0.474
.3874	-0.116	-0.177	-0.021	0.248	.3985	0.036	-0.013	0.162	0.468
.3968	-0.144	-0.204	-0.060	0.228	.4023	0.040	-0.002	0.157	0.458
.4048	-0.087	-0.134	-0.001	0.304	.4058	0.036	-0.010	0.139	0.454
.4079	-0.115	-0.166	-0.004	0.254	.4141	0.025	-0.019	0.147	0.433
.4117	-0.143	-0.205	-0.055	0.220	**43588**				
.4152	-0.122	-0.186	-0.022	0.253	.3968	-0.154	-0.211	-0.059	0.208
.4194	-0.153	-0.217	-0.063	0.227	.3999	-0.154	-0.217	-0.076	0.214
.4232	-0.101	-0.152	0.002	0.292	.4329	-0.153	-0.198	-0.043	0.212
.4259	-0.141	-0.194	-0.035	0.250	.4356	-0.139	-0.195	-0.049	0.253
.4291	-0.155	-0.212	-0.021	0.235	.4395	-0.129	-0.196	-0.047	0.239
.4617	-0.136	-0.180	-0.039	0.236	.4419	-0.129	-0.196	-0.021	0.239
.4645	-0.142	-0.190	-0.033	0.230	.4457	-0.123	-0.188	-0.021	0.243
.4683	-0.162	-0.209	-0.047	0.223	.4485	-0.139	-0.191	-0.037	0.244
.4711	-0.155	-0.203	-0.069	0.231	.4523	-0.109	-0.175	-0.020	0.238
.4749	-0.155	-0.211	-0.061	0.205	.4551	-0.134	-0.196	-0.029	0.228
.4777	-0.166	-0.212	-0.052	0.203	**43590**				
.4812	-0.133	-0.204	-0.046	0.241	.3392	-0.111	-0.171	-0.035	0.261
.4843	-0.137	-0.206	-0.040	0.240	.3423	-0.109	-0.165	-0.030	0.243
.4881	-0.131	-0.184	-0.031	0.269	.3458	-0.107	-0.157	-0.012	0.260
.4912	-0.123	-0.183	-0.031	0.264	.3489	-0.110	-0.162	-0.023	0.261
.4947	-0.144	-0.195	-0.048	0.241	.3531	-0.087	-0.152	0.009	0.271
.4978	-0.120	-0.172	-0.039	0.252	.3562	-0.101	-0.153	-0.015	0.271
.5020	-0.145	-0.195	-0.061	0.220	.3597	-0.090	-0.154	-0.025	0.270
.5048	-0.150	-0.205	-0.052	0.224	.3628	-0.094	-0.154	-0.010	0.256
.5086	-0.120	-0.187	-0.030	0.266	.3666	-0.093	-0.149	-0.006	0.274
.5121	-0.155	-0.207	-0.068	0.253	.3698	-0.095	-0.141	0.007	0.309
.5162	-0.129	-0.171	-0.028	0.291	.3732	-0.101	-0.155	-0.011	0.268
.5190	-0.163	-0.209	-0.068	0.245	.3764	-0.090	-0.148	0.012	0.296
.5228	-0.155	-0.220	-0.073	0.217	.3802	-0.082	-0.143	0.015	0.294
.5263	-0.130	-0.185	-0.030	0.252	.3833	-0.083	-0.142	0.009	0.297
.5302	-0.150	-0.218	-0.058	0.221	.3864	-0.075	-0.135	0.006	0.279
.5333	-0.131	-0.197	-0.027	0.251	.3899	-0.076	-0.136	-0.003	0.310
.5388	-0.110	-0.174	-0.017	0.263	.3934	-0.073	-0.138	-0.018	0.294
.5419	-0.112	-0.191	-0.020	0.270	.3969	-0.063	-0.142	-0.002	0.278
43586					.4007	-0.052	-0.108	0.025	0.325
.2957	0.150	0.107	0.283	0.588	.4038	-0.045	-0.106	0.027	0.309
.2985	0.166	0.129	0.312	0.618	.4073	-0.065	-0.119	0.013	0.304
.3023	0.155	0.120	0.296	0.592	.4104	-0.050	-0.105	0.021	0.319
.3051	0.169	0.128	0.293	0.605	.4142	-0.055	-0.104	0.025	0.325
.3089	0.177	0.127	0.282	0.608	.4173	-0.042	-0.098	0.026	0.322
.3120	0.210	0.168	0.333	0.645	**43591**				
.3256	0.208	0.169	0.348	0.668	.4687	-0.113	-0.181	-0.028	0.244
.3547	0.164	0.116	0.281	0.601	.4718	-0.125	-0.186	-0.039	0.226
.3575	0.142	0.101	0.300	0.590	.4757	-0.132	-0.181	-0.037	0.258
.3645	0.137	0.090	0.267	0.567	.4784	-0.119	-0.192	-0.040	0.246
.3672	0.132	0.089	0.255	0.556	.4823	-0.119	-0.181	-0.036	0.265

Table 5. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.4857	-0.117	-0.186	-0.036	0.246	.5375	-0.104	-0.171	-0.005	0.259
.4896	-0.118	-0.189	-0.057	0.248	.5406	-0.099	-0.170	-0.019	0.282
.4927	-0.124	-0.182	-0.029	0.248	**43598**				
.4962	-0.115	-0.174	-0.031	0.253	.2311	0.207	0.174	0.351	0.653
.4993	-0.111	-0.179	-0.017	0.256	.2342	0.210	0.171	0.359	0.660
.5028	-0.123	-0.185	-0.020	0.244	.2387	0.210	0.165	0.344	0.662
.5059	-0.130	-0.183	-0.044	0.235	.2415	0.201	0.160	0.354	0.667
.5095	-0.123	-0.176	-0.036	0.240	.2457	0.199	0.181	0.360	0.669
.5125	-0.119	-0.168	-0.032	0.241	.2488	0.185	0.153	0.325	0.659
.5163	-0.123	-0.166	-0.026	0.255	.2526	0.180	0.151	0.324	0.646
.5194	-0.109	-0.165	-0.016	0.251	.2561	0.176	0.142	0.327	0.613
.5232	-0.117	-0.158	-0.015	0.194	.2597	0.183	0.139	0.315	0.630
.5267	-0.110	-0.186	-0.032	0.253	.2630	0.175	0.126	0.295	0.627
.5309	-0.100	-0.161	-0.017	0.273	.2665	0.168	0.117	0.283	0.597
.5340	-0.088	-0.166	-0.022	0.274	.2703	0.145	0.108	0.268	0.586

Table 6. Individual differential $VBLU$ magnitudes of V742 Cen with respect to the comparison star. Heliocentric julian dates are JD = JD* + 2 400 000

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
42157					.2242	2.386	2.484	2.570	2.444
.2618	2.392	2.492	2.561	2.473	.2277	2.370	2.479	2.563	2.438
.3003	2.592	2.692	2.777	2.680	.2299	2.382	2.474	2.534	2.497
.3372	2.811	2.900	2.986	2.846	.2331	2.379	2.474	2.571	2.468
.3715	2.605	2.715	2.797	2.680	.2354	2.373	2.456	2.538	2.453
.4070	2.398	2.479	2.545	2.441	.2391	2.359	2.479	2.541	2.443
.4572	2.337	2.441	2.494	2.415	.2416	2.356	2.466	2.562	2.432
42166					.2449	2.356	2.468	2.544	2.450
.2167	2.320	2.416	2.489	2.377	.2471	2.359	2.471	2.560	2.459
.2488	2.318	2.413	2.491	2.390	.2507	2.346	2.459	2.526	2.427
.2771	2.344	2.448	2.525	2.450	.2532	2.346	2.447	2.541	2.436
.3074	2.380	2.468	2.578	2.450	.2571	2.355	2.453	2.547	2.450
.3531	2.463	2.567	2.662	2.547	.2608	2.350	2.443	2.554	2.412
.3827	2.709	2.807	2.923	2.850	.2641	2.338	2.444	2.524	2.426
42167					.2674	2.344	2.460	2.523	2.420
.2502	2.739	2.838	2.939	2.847	.2705	2.347	2.453	2.515	2.389
.2869	2.958	3.078	3.190	3.077	.2728	2.345	2.453	2.536	2.431
.3180	2.629	2.735	2.834	2.749	.2759	2.351	2.436	2.524	2.403
.3446	2.447	2.547	2.639	2.520	.2781	2.349	2.444	2.539	2.418
.3727	2.374	2.472	2.534	2.447	.2819	2.341	2.430	2.531	2.433
.4005	2.365	2.467	2.571	2.409	.2842	2.336	2.443	2.525	2.407
42168					.2877	2.343	2.450	2.542	2.419
.2044	2.462	2.563	2.660	2.550	.2899	2.351	2.441	2.519	2.391
.2070	2.456	2.547	2.659	2.531	.2932	2.340	2.446	2.547	2.421
.2104	2.440	2.533	2.621	2.516	.2954	2.332	2.435	2.516	2.401
.2125	2.430	2.523	2.596	2.491	.2990	2.338	2.436	2.538	2.386
.2162	2.410	2.520	2.601	2.484	.3012	2.344	2.442	2.503	2.423
.2185	2.409	2.502	2.578	2.471	.3043	2.340	2.432	2.512	2.372
.2219	2.388	2.492	2.566	2.484	.3066	2.334	2.432	2.536	2.387

SUPPLEMENT

Table 6. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.3104	2.322	2.428	2.514	2.394	.2556		2.593	2.688	2.561
.3127	2.332	2.423	2.495	2.372	.2590		2.619	2.710	2.554
.3160	2.313	2.426	2.518	2.415	.2618		2.642	2.703	2.588
.3278	2.313	2.423	2.504	2.415	.2654		2.660	2.726	2.644
.3308	2.338	2.431	2.508	2.408	.2678		2.685	2.764	2.618
.3332	2.329	2.422	2.506	2.411	.2716		2.707	2.789	2.656
.3363	2.335	2.423	2.500	2.392	.2744		2.726	2.800	2.662
.3396	2.335	2.427	2.526	2.410	.2773		2.750	2.822	2.667
.3431	2.333	2.425	2.526	2.388	.2795		2.758	2.831	2.713
.3454	2.289	2.394	2.482	2.367	.2874		2.811	2.876	2.773
.3490	2.298	2.399	2.493	2.356	.2899		2.843	2.892	2.804
.3516	2.316	2.409	2.485	2.396	.2931		2.857	2.937	2.817
.3549	2.328	2.422	2.499	2.398	.2953		2.883	2.946	2.808
.3572	2.326	2.425	2.501	2.385	.2986		2.883	2.963	2.860
.3607	2.321	2.408	2.475	2.402	.3019		2.908	2.976	2.832
.3638	2.302	2.394	2.484	2.376	.3065		2.914	2.964	2.853
.3696	2.331	2.421	2.511	2.389	.3089		2.901	2.976	2.819
.3743	2.322	2.418	2.515	2.384	.3123		2.892	2.957	2.799
.3779	2.318	2.413	2.490	2.378	.3146		2.900	2.958	2.806
.3800	2.304	2.412	2.495	2.368	.3176		2.876	2.942	2.809
.3836	2.303	2.424	2.495	2.417	.3200		2.869	2.957	2.797
.3862	2.313	2.407	2.491	2.379	.3232		2.848	2.905	2.769
.3898	2.314	2.420	2.504	2.403	.3256		2.810	2.897	2.770
.3922	2.314	2.419	2.511	2.397	.3290		2.795	2.865	2.753
.3956	2.324	2.428	2.500	2.400	.3314		2.780	2.870	2.735
.3999	2.333	2.432	2.518	2.404	.3345		2.747	2.831	2.686
.4033	2.325	2.434	2.494	2.394	.3369		2.732	2.802	2.735
.4056	2.323	2.443	2.528	2.385	.3402		2.716	2.776	2.661
.4092	2.313	2.412	2.499	2.342	.3432		2.687	2.759	2.644
.4122	2.314	2.430	2.518	2.426	.3465		2.657	2.746	2.663
.4155	2.296	2.436	2.498	2.394	.3490		2.653	2.716	2.606
.4178	2.348	2.435	2.548	2.417	.3525		2.624	2.709	2.589
.4211	2.326	2.429	2.537	2.395	.3550		2.611	2.691	2.566
.4238	2.353	2.432	2.511	2.405	.3580		2.583	2.635	2.562
.4271	2.299	2.402		2.395	.3603		2.571	2.669	2.538
.4298	2.339	2.431		2.394	.3632		2.559	2.639	2.533
42170					.3656		2.553	2.619	2.555
.2146		2.465	2.555	2.429	.3690		2.544	2.613	2.516
.2172		2.460	2.559	2.443	.3736		2.512	2.569	2.475
.2208		2.462	2.556	2.446	.3773		2.508	2.585	2.459
.2232		2.464	2.563	2.437	.3796		2.506	2.571	2.432
.2264		2.471	2.552	2.411	.3828		2.486	2.574	2.397
.2288		2.487	2.573	2.439	.3850		2.464	2.539	2.421
.2327		2.489	2.576	2.473	.3887		2.503	2.597	2.439
.2363		2.499	2.595	2.494	.3912		2.479	2.551	2.472
.2403		2.524	2.610	2.500	.3942		2.457	2.538	2.449
.2428		2.511	2.636	2.500	.3966		2.466	2.547	2.449
.2462		2.547	2.619	2.522	.3998		2.488	2.544	2.505
.2485		2.554	2.672	2.557	.4021		2.474	2.556	2.461
.2532		2.585	2.664	2.574	.4056		2.457	2.565	2.432

Table 6. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.4079		2.454	2.528	2.430	.3273	2.352	2.456	2.562	2.419
.4111		2.467	2.524	2.456	**42178**				
.4138		2.465	2.527	2.420	.2187	2.328	2.436	2.506	2.384
.4174		2.442	2.545	2.396	.2221	2.336	2.439	2.530	2.422
42176					.2309	2.333	2.426	2.517	2.393
.3283	2.681	2.753	2.776	2.693	.2331	2.336	2.435	2.519	2.400
.3380	2.715	2.832	2.893	2.797	.2362	2.329	2.438	2.527	2.415
.3451	2.750	2.858	2.935	2.850	.2384	2.320	2.427	2.522	2.425
.3501	2.801	2.905		2.855	.2418	2.320	2.427	2.498	2.400
.3569	2.815	2.898	2.933	2.818	.2440	2.323	2.427	2.518	2.413
.3605	2.805	2.905	2.956	2.859	.2468	2.327	2.432	2.518	2.389
.3651	2.799	2.887	2.942	2.870	.2490	2.332	2.428	2.499	2.384
.3683	2.786	2.864	2.935	2.828	.2526	2.335	2.417	2.482	2.370
.3733	2.761	2.838	2.912	2.790	.2547	2.318	2.425	2.512	2.395
.3758	2.740	2.820	2.890	2.784	.2583	2.323	2.429	2.500	2.409
.3792	2.716	2.811	2.859	2.733	.2604	2.317	2.423	2.503	2.416
.3817	2.712	2.790		2.748	.2631	2.340	2.422	2.512	2.401
.3852	2.673	2.748		2.708	.2652	2.343	2.414	2.507	2.392
.3876	2.678	2.724	2.810	2.693	.2680	2.336	2.422	2.502	2.393
.3907	2.625	2.700	2.770	2.663	.2706	2.309	2.418	2.526	2.404
.3930	2.598	2.689	2.746	2.678	.2732	2.323	2.423	2.541	2.419
.3971	2.568	2.664	2.709	2.618	.2754	2.315	2.421	2.520	2.413
.3994	2.554	2.647	2.720	2.589	.2782	2.314	2.425	2.505	2.422
.4034	2.521	2.616	2.684	2.590	.2802	2.334	2.433	2.524	2.419
.4056	2.522	2.607	2.706	2.584	.2826	2.314	2.420	2.498	2.417
.4092	2.501	2.603	2.657	2.599	.2843	2.332	2.416	2.524	2.398
.4114	2.508		2.664	2.545	.2871	2.331	2.420	2.527	2.373
.4143	2.468	2.580	2.648	2.554	.2890	2.313	2.403	2.508	2.396
.4167	2.448	2.557	2.647	2.510	.2918	2.318	2.424	2.521	2.379
.4199	2.462	2.535	2.610	2.482	.2947	2.322	2.417	2.528	2.392
.4222	2.433		2.606	2.495	.2978	2.334	2.416	2.511	2.396
.4269	2.404	2.492	2.586	2.462	.3003	2.316	2.414	2.506	2.413
.4292	2.398	2.496	2.580		.3027	2.322	2.422	2.518	2.400
42177					.3048	2.322	2.420	2.520	2.396
.2822	2.441	2.524	2.634	2.519	.3074	2.329	2.429	2.495	2.431
.2844	2.428	2.529	2.622	2.498	.3098	2.322	2.429	2.509	2.395
.2878	2.412	2.512	2.592	2.489	.3126	2.345	2.434	2.515	2.408
.2900	2.397	2.500	2.601	2.486	.3148	2.332	2.423	2.521	2.403
.2935	2.404	2.497	2.568	2.484	.3175	2.329	2.421	2.501	2.412
.2957	2.407	2.493	2.570	2.495	.3196	2.314	2.426	2.509	2.401
.2988	2.393	2.476	2.554	2.449	.3224	2.318	2.422	2.498	2.380
.3013	2.366	2.472	2.563	2.442	.3244	2.326	2.425	2.512	2.392
.3045	2.371	2.475	2.554	2.434	.3267	2.330	2.419	2.486	2.400
.3068	2.368	2.479	2.554	2.454	.3287	2.337	2.433	2.502	2.381
.3104	2.355	2.461	2.554	2.421	.3313	2.332	2.426	2.515	2.419
.3127	2.358	2.466	2.558	2.442	.3334	2.317	2.432	2.518	2.414
.3158	2.347	2.467	2.546	2.458	.3359	2.318	2.425	2.517	2.388
.3181	2.349	2.460	2.547	2.446	.3380	2.317	2.428	2.514	2.427
.3215	2.358	2.468	2.538	2.438	.3406	2.329	2.430	2.504	2.406
.3237	2.352	2.464	2.548	2.434	.3426	2.321	2.418	2.542	2.409

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Table 6. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.3455	2.328	2.429	2.508	2.387	.3459	2.658	2.778	2.890	2.778
.3478	2.334	2.428	2.515	2.394	.3491	2.681	2.805	2.897	2.808
.3501	2.311	2.430	2.505	2.402	.3513	2.726	2.837	2.936	2.830
.3525	2.327	2.427	2.515	2.381	.3542	2.744	2.862	2.955	2.884
.3550	2.319	2.425	2.536	2.431	.3563	2.768	2.882	2.956	2.904
.3571	2.325	2.432	2.516	2.423	.3594	2.804	2.926	3.016	2.934
.3599	2.342	2.442	2.532	2.408	.3615	2.831	2.949	3.042	2.953
.3622	2.320	2.446	2.540	2.444	.3647	2.875	2.986	3.074	2.995
42179					.3671	2.893	2.991	3.116	3.043
.2252	2.349	2.441	2.526	2.412	.3706	2.915	3.038	3.143	3.039
.2281	2.342	2.432	2.515	2.408	.3745	2.959	3.057	3.169	3.085
.2321	2.332	2.446	2.543	2.412	.3778	2.971	3.082	3.169	3.110
.2348	2.337	2.432	2.526	2.419	.3813	2.981	3.094	3.223	3.111
.2386	2.337	2.434	2.517	2.449	.3846	2.971	3.098	3.204	3.132
.2409	2.355	2.437	2.520	2.425	.3869	2.961	3.087	3.214	3.105
.2444	2.353	2.452	2.537	2.414	.3905	2.928	3.055		3.083
.2467	2.345	2.446	2.533	2.456	.3926	2.935	3.041	3.143	3.022
.2502	2.348	2.440	2.516	2.445	.3960	2.903	3.020	3.115	3.048
.2529	2.343	2.455	2.525	2.400	.3984	2.905	2.989	3.101	3.003
.2565	2.354	2.455	2.551	2.433	.4016	2.834	2.961	3.058	2.920
.2588	2.367	2.458	2.551	2.447	.4038	2.818	2.926	3.021	2.949
.2620	2.360	2.455	2.521	2.408	.4069	2.794	2.890	2.982	2.887
.2646	2.343	2.449	2.527	2.407	.4095	2.766	2.859	2.974	2.877
.2677	2.338	2.449	2.531	2.421	.4126	2.732	2.844	2.957	2.852
.2701	2.353	2.453	2.537	2.421	.4151	2.692	2.808	2.895	2.852
.2731	2.347	2.460	2.546	2.412	.4184	2.666	2.764	2.880	2.754
.2754	2.353	2.471	2.576	2.432	.4207	2.657	2.755	2.870	2.760
.2787	2.366	2.464	2.551	2.437	**42180**				
.2810	2.366	2.473	2.556	2.435	.2730	2.765	2.877	2.980	2.865
.2872	2.369	2.477	2.563	2.475	.2752	2.741	2.844	2.957	2.870
.2894	2.378	2.471	2.584	2.446	.2782	2.713	2.820	2.917	2.807
.2925	2.381	2.477	2.575	2.451	.2803	2.690	2.796	2.898	2.825
.2947	2.359	2.460	2.553	2.443	.2831	2.646	2.762	2.854	2.762
.2977	2.373	2.472	2.557	2.433	.2850	2.635	2.747	2.859	2.736
.3000	2.377	2.478	2.566	2.463	.2878	2.628	2.728	2.852	2.725
.3038	2.385	2.502	2.596	2.472	.2900	2.602	2.696	2.800	2.690
.3062	2.394	2.500	2.589	2.482	.2925	2.579	2.685	2.784	2.653
.3097	2.403	2.510	2.583	2.507	.2950	2.544	2.660	2.738	2.654
.3123	2.421	2.519	2.606	2.496	.2977	2.520	2.636	2.736	2.622
.3156	2.435	2.539	2.639	2.522	.2999	2.514	2.626	2.708	2.626
.3180	2.449	2.560	2.649	2.524	.3025	2.500	2.598	2.697	2.601
.3210	2.458	2.564	2.669	2.558	.3045	2.485	2.589	2.698	2.582
.3232	2.472	2.576	2.680	2.566	.3071	2.471	2.564	2.662	2.538
.3266	2.511	2.604	2.691	2.582	.3091	2.463	2.554	2.642	2.538
.3288	2.526	2.631	2.730	2.616	.3119	2.451	2.546	2.610	2.521
.3328	2.548	2.649	2.732	2.657	.3151	2.433	2.541	2.628	2.529
.3350	2.568	2.669	2.751	2.657	.3175	2.420	2.516	2.599	2.500
.3380	2.601	2.705	2.796	2.723	.3198	2.410	2.512	2.605	2.496
.3402	2.613	2.712	2.809	2.703	.3223	2.407	2.493	2.572	2.501
.3435	2.623	2.747	2.842	2.725	.3248	2.405	2.483	2.587	2.482

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Table 6. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.3275	2.366	2.480	2.570	2.492	.2736	2.334	2.441	2.511	2.408
.3325	2.363	2.464	2.540	2.432	.2763	2.349	2.446	2.520	2.410
.3346	2.357	2.467	2.582	2.453	.2784	2.335	2.437	2.524	2.411
.3371	2.367	2.471	2.563	2.447	.2816	2.341	2.437	2.511	2.408
.3390	2.354	2.467	2.567	2.438	.2836	2.317	2.438	2.527	2.399
.3417	2.371	2.465	2.558	2.423	.2860	2.328	2.432	2.502	2.405
.3437	2.362	2.467	2.558	2.434	.2880	2.329	2.429	2.518	2.428
.3463	2.359	2.466	2.550	2.424	.2908	2.330	2.431	2.542	2.412
.3482	2.362	2.464	2.556	2.435	.2929	2.326	2.430	2.526	2.431
.3512	2.364	2.458	2.551	2.446	**42195**				
.3534	2.361	2.460	2.551	2.448	.3006	2.368	2.471	2.547	2.474
.3563	2.373	2.460	2.529	2.457	.3027	2.385	2.476	2.565	2.484
.3583	2.368	2.462	2.565	2.437	.3076	2.414	2.516	2.584	2.456
.3612	2.353	2.453	2.559	2.403	.3103	2.422	2.523	2.585	2.494
.3633	2.354	2.456	2.547	2.409	.3138	2.451	2.552	2.638	2.500
.3658	2.364	2.453	2.510	2.397	.3159	2.451	2.558	2.667	2.518
.3679	2.353	2.450	2.518	2.434	.3194	2.486	2.578	2.671	2.589
.3741	2.355	2.447	2.518	2.400	.3221	2.483	2.575	2.674	2.566
.3769	2.353	2.450	2.536	2.444	.3256	2.516	2.595	2.674	2.577
.3790	2.349	2.443	2.542	2.424	.3277	2.521	2.622	2.706	2.589
.3820	2.351	2.451	2.526	2.412	.3319	2.548	2.654	2.737	2.598
.3849	2.352	2.441	2.522	2.420	.3339	2.579	2.673	2.742	2.598
.3884	2.357	2.462	2.532	2.422	.3374	2.593	2.685	2.729	2.623
.3912	2.343	2.445	2.534	2.403	.3402	2.611	2.693	2.784	2.664
.3932	2.344	2.440	2.546	2.423	.3430	2.643	2.741	2.824	2.702
.3958	2.338	2.439	2.509	2.420	.3458	2.655	2.746	2.834	2.722
.3980	2.335	2.441	2.529	2.402	.3499	2.686	2.785	2.860	2.726
.4006	2.337	2.438	2.524	2.427	.3520	2.707	2.805	2.850	2.742
.4027	2.336	2.440	2.493	2.436	.3549	2.728	2.828	2.910	2.764
.4058	2.327	2.424	2.516	2.415	.3590	2.764	2.856	2.918	2.803
.4097	2.337	2.436	2.507	2.393	.3631	2.772	2.872	2.928	2.824
.4123	2.324	2.424	2.511	2.386	.3652	2.813	2.877	2.939	2.848
.4144	2.333	2.423	2.524	2.435	.3687	2.808	2.913	2.995	2.809
42184					.3715	2.839	2.924	2.994	2.908
.2304	2.350	2.447	2.540	2.407	.3742	2.806	2.933	2.988	2.840
.2327	2.358	2.467	2.539	2.398	.3770	2.833	2.936	2.945	2.889
.2401	2.350	2.458	2.540	2.408	.3805	2.802	2.897	2.914	2.845
.2425	2.352	2.449	2.538	2.404	.3826	2.778	2.883	2.927	2.794
.2448	2.356	2.447	2.538	2.428	.3860	2.781	2.877	2.961	2.883
.2478	2.334	2.446	2.528	2.407	.3881	2.761	2.858	2.944	2.815
.2498	2.345	2.444	2.533	2.420	**42201**				
.2528	2.344	2.446	2.530	2.448	.3174	2.362	2.460	2.532	2.448
.2548	2.357	2.452	2.552	2.415	.3198	2.338	2.450	2.538	2.448
.2574	2.346	2.441	2.522	2.415	.3231	2.330	2.455	2.532	2.430
.2592	2.341	2.454	2.530	2.400	.3256	2.365	2.462	2.528	2.458
.2620	2.341	2.441	2.524	2.392	.3296	2.352	2.455	2.530	2.435
.2641	2.323	2.438	2.512	2.410	.3322	2.342	2.465	2.535	2.480
.2669	2.340	2.450	2.520	2.385	.3352	2.335	2.455	2.505	2.482
.2691	2.349	2.441	2.531	2.441	.3374	2.335	2.440	2.532	2.422
.2716	2.333	2.439	2.538	2.438	.3407	2.335	2.438	2.515	2.395

SUPPLEMENT

Table 6. (continued)

JD*	ΔV	ΔB	ΔL	ΔU	JD*	ΔV	ΔB	ΔL	ΔU
.3430	2.370	2.452	2.538	2.438	.3540	2.390	2.488	2.565	2.445
.3465	2.390	2.490	2.565	2.488	.3563	2.408	2.502	2.568	2.490
.3508	2.390	2.480	2.552	2.470					

Table 7. Normal points of V764 Sco including weights w

Phase	I_V	w	Phase	I_B	w	Phase	I_L	w	Phase	I_U	w
.0027	.5541	21.1	.0027	.5286	61.8	.0027	.5273	32.0	.0027	.5568	19.0
.0070	.5566	20.9	.0070	.5313	61.1	.0070	.5292	31.8	.0070	.5496	19.5
.0108	.5641	20.4	.0108	.5417	58.8	.0108	.5494	29.5	.0108	.5636	18.5
.0160	.5901	21.7	.0163	.5703	79.6	.0163	.5717	40.9	.0163	.5825	26.0
.0214	.6219	19.6	.0213	.5984	72.3	.0213	.6070	36.3	.0213	.6111	23.6
.0253	.6509	12.8	.0253	.6276	65.7	.0253	.6314	33.5	.0253	.6494	20.9
.0291	.6712	14.4	.0291	.6528	60.7	.0291	.6489	31.7	.0291	.6763	19.3
.0333	.6870	13.7	.0330	.6713	57.4	.0330	.6762	29.2	.0330	.6933	18.3
.0391	.7232	8.3	.0381	.7121	51.0	.0381	.7160	26.1	.0381	.7314	16.5
.0431	.7547	3.8	.0444	.7550	45.4	.0444	.7611	23.1	.0444	.7830	14.4
.0553	.8193	6.4	.0539	.8067	39.8	.0539	.8022	20.8	.0539	.8073	13.5
.0596	.8421	6.1	.0595	.8314	37.5	.0595	.8306	19.4	.0595	.8420	12.4
.0646	.8644	7.2	.0646	.8575	35.2	.0646	.8554	18.3	.0646	.8764	11.5
.0696	.8893	5.5	.0696	.8776	33.6	.0696	.8896	16.9	.0696	.8722	11.6
.0745	.8934	5.4	.0747	.8976	32.1	.0747	.9032	16.4	.0747	.9071	10.7
.0794	.9132	5.2	.0799	.9116	31.2	.0799	.9183	15.8	.0799	.9447	9.9
.0875	.9324	11.2	.0877	.9266	53.6	.0877	.9266	27.7	.0877	.9379	17.8
.1031	.9445	19.4	.1031	.9334	52.8	.1031	.9430	26.7	.1031	.9423	17.7
.1215	.9607	18.7	.1215	.9570	50.2	.1215	.9500	26.3	.1215	.9626	16.9
.1385	.9718	18.3	.1385	.9706	48.8	.1385	.9593	25.8	.1385	.9650	16.8
.1515	.9721	18.3	.1515	.9693	49.0	.1515	.9741	25.0	.1515	.9848	16.2
.1685	.9814	16.8	.1685	.9772	45.2	.1685	.9845	23.0	.1685	.9791	15.3
.1858	.9878	16.6	.1855	.9887	41.2	.1858	.9891	22.8	.1861	.9866	14.1
.2030	.9955	16.4	.2030	.9988	43.2	.2030	.9987	22.3	.2030	.9977	14.8
.2209	1.0058	16.0	.2209	1.0010	43.1	.2209	1.0001	22.3	.2209	1.0012	14.7
.2613	.9979	26.1	.2613	.9995	69.1	.2613	.9984	35.7	.2613	.9990	23.6
.2871	.9942	26.3	.2871	.9931	70.0	.2875	.9893	34.9	.2871	.9969	23.7
.3129	.9882	26.6	.3129	.9859	71.0	.3129	.9868	36.6	.3129	.9874	24.1
.3350	.9798	27.0	.3350	.9744	72.7	.3350	.9705	37.8	.3350	.9797	24.5
.3488	.9757	27.3	.3488	.9698	73.4	.3490	.9719	36.2	.3488	.9845	24.3
.3624	.9680	27.7	.3624	.9594	75.0	.3624	.9613	38.6	.3624	.9655	25.2
.3770	.9574	28.3	.3770	.9529	76.0	.3770	.9545	39.1	.3770	.9604	25.5
.3932	.9527	28.6	.3932	.9464	77.1	.3932	.9439	40.0	.3932	.9576	24.6
.4086	.9401	29.4	.4086	.9360	78.8	.4086	.9409	40.3	.4086	.9537	25.9
.4190	.9333	12.4	.4190	.9264	33.5	.4190	.9206	17.5	.4190	.9253	11.4
.4248	.9118	13.0	.4248	.9044	35.2	.4248	.9058	18.1	.4248	.9201	11.6
.4308	.8957	13.5	.4308	.8875	36.5	.4308	.8886	18.8	.4308	.8949	12.2
.4368	.8665	14.4	.4368	.8597	38.9	.4368	.8524	20.4	.4368	.8618	13.2
.4422	.8465	15.1	.4422	.8340	41.3	.4422	.8357	21.3	.4421	.8283	12.9
.4465	.8305	15.7	.4465	.8168	43.1	.4465	.8212	22.0	.4465	.8165	14.7
.4510	.7984	17.0	.4510	.7841	46.8	.4510	.7812	24.3	.4510	.7881	15.8

Table 7. (continued)

Phase	I_V	w	Phase	I_B	w	Phase	I_L	w	Phase	I_U	w
.4556	.7724	18.1	.4556	.7612	49.6	.4556	.7601	25.7	.4556	.7664	16.7
.4597	.7494	19.3	.4597	.7381	52.8	.4597	.7520	26.3	.4597	.7461	17.6
.4656	.7152	21.1	.4656	.7075	57.5	.4656	.7071	29.7	.4656	.7017	19.9
.4716	.6812	23.3	.4716	.6756	63.0	.4716	.6865	31.5	.4716	.6670	22.0
.4772	.6545	25.2	.4772	.6512	67.8	.4772	.6445	35.7	.4772	.6451	23.5
.4829	.6278	27.4	.4829	.6239	73.9	.4829	.6222	38.4	.4829	.6199	25.5
.4877	.6153	20.0	.4877	.6106	54.0	.4877	.6147	27.5	.4877	.6162	18.1
.4920	.6068	20.6	.4920	.6046	55.1	.4920	.6083	28.1	.4920	.6094	18.5
.4963	.6130	20.1	.4963	.6064	54.7	.4963	.6020	28.7	.4963	.5992	19.1
.5009	.6160	20.0	.5009	.6097	54.2	.5009	.6160	27.4	.5009	.5897	19.7
.5060	.6064	20.6	.5060	.6056	54.9	.5060	.6013	28.7	.5060	.5918	19.6
.5102	.6164	19.9	.5102	.6076	54.5	.5102	.6111	27.8	.5102	.6210	17.8
.5142	.6225	16.7	.5142	.6179	45.2	.5142	.6122	23.8	.5142	.6286	14.9
.5182	.6405	15.8	.5180	.6269	36.6	.5182	.6310	22.4	.5182	.6429	14.2
.5235	.6612	14.8	.5235	.6533	40.4	.5235	.6599	20.5	.5235	.6547	13.7
.5314	.6827	13.9	.5314	.6853	36.8	.5314	.6856	19.0	.5320	.6751	10.8
.5388	.7341	12.0	.5388	.7312	32.3	.5388	.7303	16.7	.5388	.7233	11.2
.5460	.7772	10.7	.5460	.7698	29.1	.5460	.7631	15.3	.5460	.7841	9.6
.5530	.8116	9.9	.5535	.8138	21.7	.5530	.8147	13.4	.5530	.8206	8.7
.5608	.8528	8.9	.5608	.8550	23.6	.5608	.8527	12.3	.5608	.8515	8.1
.5684	.8899	8.2	.5684	.8790	22.3	.5684	.8750	11.6	.5684	.9002	7.3
.5750	.9170	7.7	.5750	.9038	21.1	.5750	.9091	10.8	.5750	.9242	6.9
.5830	.9273	7.5	.5830	.9210	20.3	.5830	.9169	10.6	.5830	.9274	6.8
.5911	.9540	7.1	.5911	.9394	19.6	.5911	.9312	10.3	.5911	.9575	6.4
.5982	.9491	7.2	.5982	.9419	19.5	.5982	.9427	10.0	.5982	.9538	6.5
.6097	.9543	7.1	.6097	.9535	19.0	.6097	.9594	9.7	.6097	.9656	6.3
.6201	.9716	6.9	.6201	.9610	18.7	.6201	.9696	9.5	.6201	.9616	6.4
.6278	.9627	7.0	.6278	.9532	19.0	.6278	.9753	9.4	.6278	.9557	6.4
.6349	.9683	6.9	.6349	.9622	18.6	.6349	.9648	9.6	.6349	.9523	6.5
.6390	.9744	6.8	.6390	.9597	18.7	.6390	.9560	9.7	.6390	.9663	6.3
.6425	.9676	6.9	.6425	.9697	18.4	.6425	.9635	9.6	.6425	.9859	6.0
.6483	.9741	6.8	.6483	.9697	18.4	.6483	.9614	9.6	.6483	.9736	6.2
.6552	.9836	6.7	.6552	.9799	18.0	.6552	.9634	9.6	.6552	.9849	6.1
.7400	1.0013	20.5	.7400	1.0020	54.4	.7400	1.0005	28.2	.7409	1.0064	16.4
.7621	1.0001	20.5	.7621	1.0024	54.4	.7621	.9973	28.4	.7621	.9947	18.8
.7839	1.0008	20.5	.7839	.9983	54.8	.7839	.9830	29.2	.7839	.9887	19.0
.8032	.9954	20.7	.8032	.9934	55.4	.8032	.9894	28.8	.8032	.9966	18.7
.8152	.9902	21.0	.8152	.9909	55.7	.8152	.9900	28.8	.8152	.9832	19.3
.8362	.9882	21.0	.8362	.9786	57.1	.8362	.9744	29.7	.8362	.9766	19.5
.8598	.9708	21.8	.8598	.9677	58.4	.8598	.9740	29.7	.8598	.9748	18.6
.8822	.9542	22.6	.8822	.9465	61.0	.8822	.9486	31.4	.8822	.9569	20.3
.8992	.9479	10.8	.8992	.9413	29.2	.8992	.9353	15.3	.8992	.9466	9.8
.9105	.9410	11.0	.9105	.9345	29.6	.9105	.9337	15.3	.9105	.9370	10.0
.9203	.9165	11.6	.9203	.9091	31.3	.9203	.9181	15.9	.9203	.9201	10.4
.9261	.9033	11.9	.9261	.8998	32.0	.9261	.8871	17.0	.9261	.9103	10.6
.9311	.8878	12.3	.9311	.8783	33.6	.9311	.8688	17.7	.9311	.8826	11.3
.9367	.8646	13.0	.9367	.8558	35.3	.9367	.8605	18.0	.9367	.8713	11.6
.9421	.8345	14.0	.9421	.8240	38.1	.9421	.8224	19.8	.9421	.8379	12.6
.9480	.8086	14.9	.9480	.7905	41.4	.9480	.7915	21.3	.9480	.7914	14.1
.9537	.7769	16.1	.9537	.7591	44.9	.9537	.7648	22.9	.9537	.7665	15.0

SUPPLEMENT

Table 7. (continued)

Phase	I_V	w	Phase	I_B	w	Phase	I_L	w	Phase	I_U	w
.9589	.7433	17.6	.9589	.7292	48.7	.9589	.7394	24.4	.9589	.7415	16.0
.9640	.7121	19.2	.9640	.6945	53.7	.9640	.7054	26.9	.9640	.7031	17.8
.9693	.6812	21.0	.9693	.6625	59.0	.9693	.6644	30.3	.9693	.6755	19.3
.9748	.6408	23.7	.9748	.6242	66.4	.9748	.6274	34.0	.9748	.6452	21.2
.9803	.6105	26.1	.9803	.5914	74.0	.9803	.5994	37.2	.9803	.6128	23.5
.9858	.5811	28.8	.9858	.5622	81.9	.9858	.5680	41.4	.9858	.5815	26.1
.9904	.5651	20.3	.9904	.5388	59.5	.9904	.5402	30.5	.9904	.5709	18.0
.9944	.5571	20.9	.9944	.5286	61.8	.9944	.5354	31.1	.9944	.5532	19.2
.9983	.5509	21.4	.9983	.5258	62.4	.9983	.5374	30.8	.9983	.5561	19.0

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