TABLE 1

RADIAL VELOCITIES OF THE V1898 CYG'S COMPONENTS[1]

HJD	Phase	Star 1			Star 2			Remarks
2400000+		$\mathbf{V}_p$	σ	O-C	$\mathbf{V}_s$	σ	O-C	
54327.55412	0.5489	21.1	10.9	0.0	−85.5	16.9	−3.0	a
54328.50480	0.1772	−38.1	3.6	6.9	255.3	11.1	−7.2	a
54329.46135	0.8093	55.5	3.9	−0.3	−255.5	11.1	8.0	a
54330.47685	0.4805	1.2	11.1	3.5	···	···	···	a
54331.44914	0.1231	−38.8	4.2	−4.7	210.1	9.9	4.7	a
54335.45358	0.7695	56.7	3.3	−2.5	−285.8	4.3	−4.8	a
54336.40281	0.3969	−21.5	5.1	7.3	179.9	14.6	1.9	a
54337.46485	0.0988	−21.1	6.6	6.5	···	···	···	a
54338.44704	0.7479	55.5	3.1	−4.1	−277.7	6.1	5.5	a
54360.40110	0.2571	−44.4	5.1	6.3	288.6	7.2	−3.2	a
54361.41090	0.9245	16.6	11.2	−3.0	−121.1	11.6	5.8	a
54362.55110	0.6780	55.5	7.7	1.4	−258.6	10.9	−4.3	a
54363.50010	0.3052	−47.9	5.9	−0.5	281.1	9.2	6.1	a
54364.50527	0.9695	18.0	9.1	3.1	−63.7	18.5	−13.4	a
54365.53939	0.6530	51.1	4.5	1.4	−211.1	9.8	20.3	a
54366.54137	0.3152	−33.5	4.1	12.6	270.9	10.1	2.6	a
55387.53130	0.0777	−11.0	9.0	10.4	143.0	11.0	3.6	b
55390.46920	0.0193	13.0	8.0	15.2	77.0	20.0	37.8	b
55390.58090	0.0932	−26.0	9.0	0.0	178.0	21.0	14.6	b
55391.50380	0.7031	59.0	2.0	1.8	−276.0	8.0	−5.2	b
55391.58150	0.7544	67.0	3.0	7.4	−287.0	9.0	−3.9	b
55392.41900	0.3079	−43.0	3.0	4.1	265.0	9.0	−8.3	b
55393.41980	0.9694	23.0	11.0	8.0	−45.0	9.0	5.5	b
55394.57290	0.7314	44.0	3.0	−15.2	−274.0	6.0	7.2	b
55396.47080	0.9857	33.0	12.0	23.6	−35.0	19.0	−13.6	b
55397.38320	0.5887	25.0	7.0	−8.6	−156.0	11.0	−8.3	b
55397.56950	0.7119	41.0	3.0	−17.0	−277.0	8.0	−2.0	b
55398.39480	0.2573	−52.0	2.0	−1.4	302.0	8.0	10.2	b

[1]The columns give the heliocentric Julian date, the orbital phase, the radial velocities of the two components with the corresponding errors and residuals.

Remarks: (a) Based on Catania and (b) on TUG observations.

3.1. *Spectral classification*

The spectral types of the stars can be found either from photometry or from spectroscopy or from both. The apparent visual magnitude and colors of V1898 Cyg were estimated by Hiltner (1956) as $V = 7^m.81$, $B - V = 0^m.01$, $U - B = -0^m.82$. However the apparent magnitudes are given by Reed (2003) as $7^m.0$, $7^m.80$ and $7^m.82$ in the U, B and V passbands, respectively. On the other hand, the $B - V$ color of the system out of eclipse was determined as $0^m.01$ by Halbedel (1985). We computed the $B-V$ color of the system at the maxima as $0^m.036$ using the data given by Dallaporta & Munari (2006). The combined spectral types are given as B1 IVp by Abt et al. (1972) and B2 III by Kennedy & Buscombe (1974). The infrared magnitudes of the system are given by Cutri et al. (2003) as $J = 7^m.697$, $H = 7^m.718$ and $K = 7^m.757$. Unfortunately, intermediate- and narrow-band photometric measurements are not available. Bessell, Castelli, & Plez (1998) derive reddening-independent Q-parameter from theoretical colors as $Q = (U-B)-0.71\,(B-V)$. They also predict an interstellar reddening for the main-sequence OB stars as $E(B-V) = (B-V)-((U-B)-0.71(B-V))/3$. Using the observed $(U - B)$ and $(B - V)$ colors by Hiltner (1956) we find $E(B-V) = 0^m.28$, while Dal-