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MINIMA OF ECLIPSING BINARY STARS

Presented are 28 minima of eclipsing binary stars. All observations were visual with both the descending and ascending branch of the light curve observed. Times of minima were found by the tracing paper method.

Column one gives the heliocentric time of minima. Column two gives the number of visual brightness estimates used in the light curve. Columns three and four give the epoch and O-C from the linear elements of GCVS 1969. Column five gives the standard deviation, σ , expected for a single visual minimum of that star is given. These standard deviations are calculated from studies by Mallama, A.D. (1974a, JAAVSO, 3, 11 and 1974b, JAAVSO, 3, 49). Column six indicates the observer.

Telescopes used were as following: 20.3 cm refractor, 36.2 cm reflector, and a 15.2 cm reflector.

JD hel. 2,440,000 +	n	Epoch	O-C days	σ	Observer
00 Aquilae					
2906.737	8	17722	-. ^d 035	^d .006	Stephan
2957.680	11	17822.5	-.025		Stephan
WW Aurigae					
2786.800	10	3897.5	-.001	.01	Stephan
R Canis Majoris					
2887.502	8	6490	-.010	.01	Stephan
RZ Cassiopeiae					
2412.644	16	4408	+.005	.004	Stephan
2510.652	14	4490	+.003		Stephan
2712.649	10	4659	+.003		Stephan
2786.750	14	4721	-.001		Stephan
2878.781	14	4798	-.004		Stephan
3073.609	10	4961	-.001		Stephan
3080.775	9	4967	-.007		Stephan
EK Cephei					
2447.546	14	778	+.003	.006	Stephan

Table (cont.)

JD hel. 2,440,000 +	n	Epoch	O-C days	σ	Observer
U Coronae Borealis 2984.695	8	7600	-.021	.007	Stephan
W Corvi 2510.634	8	37748	-.008	.01	Stephan
Y Cygni 2574.719	10	11027	-.168	.01	Stephan
2712.570	12	11073	-.146		Stephan
RZ Draconis 2984.641	11	24571.5	-.012	.005	Stephan
AI Draconis 2574.725	13	2934	-.006	.005	Stephan
YY Eridani 2760.708	12	28439.5	-.004	.005	Stephan
SZ Herculis 2878.748	12	9646	+.030	.003	Stephan
FL Lyrae 2906.758	9	2151	-.004	.01	Stephan
U Ophiuchi 2574.651	10	20446	-.006	.01	Stephan
ER Orionis 2446.541	8	14024	-.019	.007	Stephan
2760.703	11	14766	-.020		Stephan
HU Tauri 3080.750	8	8481	+.010	.01	Stephan
X Trianguli 3050.668	11	5639	-.035	.003	Stephan
3053.585	9	5642	-.033		Stephan
AZ Virginis 2503.746	13	47733	-.024	.005	Stephan

JD hel. equals the heliocentric Julian Day for minima.

n equals the number of visual brightness estimates used to plot the light curve.

Epoch and O-C are from the linear elements in the 1969 General Catalogue of Variable Stars.

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