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MINIMA OF ECLIPSING BINARY STARS

Presented are 33 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. Epoch and O-C for AZ Virginis are from the linear elements of studies by Meinunger, L. (March 1977, *Mitteilungen über Veränderliche Sterne*, 185-188). Column 5 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).

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
OO Aquilae 3348.654	10	18594	-.043	^d .009
WW Aurigae 3127.690	9	4032.5	+.011	.004
SV Camelopardalis 3219.717	11	15921	-.004	.004
3225.643	8	15931	-.009	
3231.572	7	15941	-.011	
3244.616	9	15963	-.014	
3263.600	10	15995	-.009	
3381.637	9	16194	+.007	
3591.579	7	16548	+.002	
RZ Cassiopeiae 3428.586	8	5258	-.011	.003

Table (cont.)

JD hel. 2,440,000 +	n	Epoch	O-C days	σ
U Coronae Borealis				
3274.683	10	7684	-.018	^d .004
3350.623	8	7706	-.027	
Y Cygni				
3340.627	8	11282.5	+.177	^d .016
3352.615	8	11286.5	+.180	
ZZ Cygni				
3298.687	10	35254	-.036	.006
V477 Cygni				
3339.650	12	4471	-.021	.007
AI Draconis				
3273.643	10	3517	+.003	.002
3291.625	9	3532	+.003	
3701.615	9	3874	-.001:	
YY Eridani				
3461.727	9	30620	-.007	.002
CT Herculis				
3260.717	8	2186	+.058	.018
SZ Herculis				
3274.709	10	10130	+.033	.002
3283.706	11	10141	+.030	
FL Lyrae				
3248.703	8	2308	-.028	.013
RU Monocerotis				
3225.587	11	3789.5	+.030	.006
ER Orionis				
3211.616	10	15831	-.029	.007
3479.647	8	16464	-.011	
V505 Sagittarii				
3368.627	9	8330	-.022	.05
HU Tauri				
3185.625	9	8532	+.014	.009
X Trianguli				
3427.616	9	6027	-.044	.006
3428.588	8	6028	-.044	
AZ Virginis				
3587.704	10	44789	-.011	.003
3600.648	10	44826	-.005	

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. (See introductory note on AZ Virginis).

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