

COMMISSION 27 OF THE I.A.U.
 INFORMATION BULLETIN ON VARIABLE STARS
 NUMBER III

Konkoly Observatory
 Budapest
 27 October 1965

MINIMA OF ECLIPSING VARIABLES

Given are 78 observed minima for 27 eclipsing variable stars. All are visual timings reduced by the tracing-paper method, except where noted. Elements in the 1958 General Catalogue of Variable Stars were used to compute O - C's unless otherwise specified. The number of estimates used for each minimum is given under n.

J.D.O	E	O - C	n	Observer
<u>RT Andromedae</u>				
2438252.584	+22,472	-0.023	18	J. Ashbrook
38931.834	+23,552	-0.020	8	D. Williams
<u>KO Aquilae</u>				
38931.800	+1.761	-0.009	13	D. Williams
<u>OO Aquilae</u>				
38927.687	+9,276.5	-0.017	9	C. Ricker
38928.704	+9,278.5	-0.014	14	D. Williams
38931.745	+9,284.5	-0.013	9	D. Williams
38935.806	+9,292.5	-0.007	11	M. Murphy
38936.813	+9,294.5	-0.013	11	R. Monske
38937.824	+9,296.5	+0.016	12	R. Monske
38938.840	+9,298.5	-0.014	12	R. Monske
38964.674	+9,349.5	-0.026	8	D. Williams
38966.715	+9,353.5	-0.012	8	D. Williams
<u>V342 Aquilae</u> ^{1/}				
38955.750	+ 980	+0.009	33	R. Monske
38972.707	+ 985	+0.011	33	R. Monske
<u>V346 Aquilae</u>				
38967.712	+6,904	-0.018	10	D. Williams

J.D.⊙	B	O - C	n	Observer
<u>XX Aurigae</u>				
24 38755.618	+ 2,175	+0.011	20	D. Friedman
38770.759	+ 2,181	-0.001	20	M. Baldwin
38808.530	+ 2,196	-0.003	11	M. Baldwin
38813.679	+ 2,198	-0.004	17	M. Baldwin
38851.567	+ 2,213	+0.009	8	T. Hering
<u>SV Camelopardalis</u>				
38892.665	+11,137	-0.022	16	M. Murphy
38927.673	+11,196	-0.005	17	M. Murphy
<u>R Canis Maioris</u>				
38817.533	+ 2,907	+0.001	16	H. Marraco
38818.6683 2/	+ 2,908	+0.0006	27pe	J. Ruiz, D. Taboada
<u>RZ Cassiopeiae</u>				
38770.721	+17,917	-0.031	17	M. Baldwin
38782.669	+17,927	-0.035	18	M. Baldwin
38788.645	+17,932	-0.035	16	M. Baldwin
38794.625	+17,937	+0.032	13	M. Baldwin
38965.740	+18,081	-0.033	8	D. Williams
<u>U Cephei</u>				
38727.781	+12,370	+0.729	44	M. Baldwin
<u>XX Cephei</u>				
38727.708	+ 5,832	-0.076	15	M. Baldwin
<u>U Coronae Borealis</u>				
38938.738	+ 6,428	+0.006	35	D. Friedman
38938.742	+ 6,428	+0.010	17	R. Monske
<u>Z Draconis</u>				
38881.727	+ 4,135	+0.015	20	D. Williams
38915.658	+ 4,160	+0.010	16	R. Monske
38938.739	+ 4,177	+0.015	11	R. Monske
38953.672	+ 4,188	+0.016	12	R. Monske
<u>AI Draconis</u>				
38902.765	+11,899	+0.012	9	D. Williams
38938.729	+11,929	+0.012	11	D. Williams
38938.744	+11.929	+0.027	34	D. Friedman

J.D.C	B	O - C	n	Observer
<u>Z Herculis</u>				
2438931.752	+ 1,285	+0.007	16	D. Williams
38967.680	+ 1,294	0.000	13	D. Williams
38971.684	+ 1,295	+0.011	9	D. Williams
<u>SZ Herculis</u> 3/				
38879.885	+ 2,143	+0.010	20	M. Baldwin
38888.883	+ 2,154	+0.009	13	M. Baldwin
38902.795	+ 2,171	+0.014	14	T. Cragg
38902.795	+ 2,171	+0.014	16	D. Williams
38916.702	+ 2,188	+0.013	11	R. Monske
38920.792	+ 2,193	+0.013	15	M. Murphy
38925.699	+ 2,199	+0.011	13	R. Monske
38938.782	+ 2,215	+0.004	16	G. Brown
38938.790	+ 2,215	+0.012	12	R. Monske
38943.702	+ 2,221	+0.016	11	R. Monske
38952.697	+ 2,232	+0.012	10	R. Monske
38956.787	+ 2,237	+0.011	16	R. Swanberg
38961.692	+ 2,243	+0.008	9	W. Hampton
38965.788	+ 2,248	+0.013	16	R. Swanberg
38988.701	+ 2,276	+0.020	15	R. Swanberg
<u>u Herculis</u>				
38937.745	+16,142	+0.037	10	D. Williams
<u>SW Lacertae</u>				
38967.740	+48,625.5	+0.024	10	D. Williams
38979.663	+48,631.5	+0.022	7	D. Williams
<u>SS Librae</u>				
38916.681	+12,980	+0.006	13	R. Monske
38952.638	+13,005	+0.013	13	R. Monske
<u>Delta Librae</u>				
38880.842	+ 1,901	+0.001	23	M. Baldwin
38920.4050 4/	+ 1,918	-0.0007	33pe	L. Kalish
38943.670	+ 1,928	-0.009	18	R. Monske
<u>PL Lyrae</u>				
38173.640	+ 1,982	+0.004	17	J. Ashbrook
<u>U Ophiuchi</u>				
38919.725	+18,267	+0.005	8	T. Cragg
38966.684	+18,295	-0.002	13	D. Williams
38971.707	+18,298	-0.011	7	D. Williams

J.D.	E	O - C	n	Observer
<u>RV Ophiuchi</u>				
24 38911.787	+ 4,045	-0.017	7	T. Cragg
<u>RT Persei</u>				
38770.603	+ 6,572	-0.012	8	M. Baldwin
<u>U Sagittae</u>				
38938.796	+ 6,451	+0.012	23	R. Monske
38955.696	+ 6,455	+0.009	21	R. Monske
<u>V505 Sagittarii</u>				
38938.760	+ 4,585	-0.035	12	R. Monske
38938.774	+ 4,585	-0.021	8	D. Williams
<u>BY 312 Tauri</u> ^{5/}				
38770.754	+ 6,385	+0.013	20	M. Baldwin
38805.696	+ 6,402	-0.002	22	M. Baldwin

These results continue the lists published in "Sky and Telescope" (27, 58, 1964; 29, 254, 1965) from amateur observations. Expansion of this program has led to sponsorship by the American Association of Variable Star Observers, with David B. Williams as coordinator. The reductions are made by the writer, in collaboration with Joseph Ashbrook, except in a few cases which were only checked.

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Notes to Table

- 1/ O - C's were computed from the elements given in L.B.V.S., No. 92, Min = JD^o 2435632.603 + 3^d.3909547 E.
- 2/ Reduced by Kwee - van Woerden method. The probable error of the time of minimum is + 0.^d0014.
- 3/ O - C's were computed from the elements given in Sky and Tele., 25, 5, 277
- 4/ Time of minimum determined from 19 observations on J.D. 38908⁺ and 14 observations on 38929⁺.
- 5/ O - C's were computed from the elements given in Sky and Tele., 26, 5, 264.