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MINIMA OF ECLIPSING VARIABLES

This report continues the one in IBVS No. 119, and contains 84 observed minima of 20 eclipsing variable stars. All are visual timings reduced by the tracing-paper method, except where noted. Linear 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. (2,400,000)	E	O - C	n	Observer
<u>RT Andromedae</u>				
39069.567	+23,771	-0.023	13	R. Monske
39074.600	+23,779	-0.021	12	R. Monske
39079.632	+23,787	-0.021	13	R. Monske
39084.667	+23,795	-0.017	12	R. Monske
39084.668	+23,795	-0.016	15	R. Swanberg
39089.695	+23,803	-0.021	13	R. Monske
39113.597	+23,841	-0.018	8	M. Baldwin
39130.572	+23,868	-0.024	16	R. Monske
39135.596	+23,876	-0.032	19	D. Friedman
<u>XZ Andromedae</u>				
39007.660	+4,512	+0.050	15	W. Lowder
39079.594	+4,565	+0.048	16	R. Monske
39079.597	+4,565	+0.051	18	L. Hazel
39083.668	+4,568	+0.050	22	M. Baldwin
39091.811	+4,574	+0.050	20	M. Baldwin
39102.668	+4,582	+0.049	19	M. Baldwin
39117.598	+4,593	+0.049	13	R. Monske
39136.600	+4,607	+0.049	17	M. Baldwin
39140.672	+4,610	+0.049	13	M. Baldwin
39155.603	+4,621	+0.050	19	M. Baldwin

J. D. (2,400,000)	E	O - C	n	Observer
<u>WW Aurigae</u>				
39092.709	+2,308.5	+0.011	17	M. Baldwin
39140.672	+2,327.5	-0.001	14	M. Baldwin
<u>AR Aurigae</u>				
39092.678	+2,987	+0.013	16	M. Baldwin
<u>Y Camelopardalis</u>				
39140.648	+4,449	-0.017	14	M. Baldwin
39173.702	+4,459	-0.018	30	L. Hazel
<u>SV Camelopardalis</u>				
39083.644	+11,459	-0.013	9	M. Baldwin
39096.697	+11,481	-0.007	12	F. Sanner
39102.625	+11,491	-0.010	11	M. Baldwin
39137.607	+11,550	-0.019	13	F. Sanner
39140.574	+11,555	-0.018	11	M. Baldwin
<u>RZ Cassiopeiae</u>				
39070.722	+18,168	-0.038	14	R. Monske
39094.627	+18,188	-0.038	15	M. Baldwin
39112.557	+18,203	-0.037	13	M. Baldwin
39143.631	+18,229	-0.041	15	R. Swanberg
39155.584	+18,239	-0.039	14	M. Baldwin
39180.676	+18,260	-0.047	17	J. Ashbrook ³⁾
<u>TV Cassiopeiae</u>				
39117.523	+10,482	+0.003	19	R. Monske
<u>AB Cassiopeiae</u>				
39086.773	+ 9,950	+0.061	21	M. Baldwin
39093.608	+ 9,955	+0.061	15	M. Baldwin
<u>U Cephei</u>				
39086.776	+12,514	+0.751	26	M. Baldwin
39091.764	+12,516	+0.754	29	M. Baldwin
39144.116	+12,537	+0.756	26	M. Baldwin
<u>XX Cephei</u>				
39087.650	+ 5,986	-0.084	15	M. Baldwin
39094.664	+ 5,989	-0.082	13	M. Baldwin

J. D. (2,400,000)	E	O - C	n	Observer
<u>ZZ Cephei</u>				
39035.826	+ 5,431	0.000	16	M. Baldwin
39093.660	+ 5,458	+0.006	17	M. Baldwin
<u>Z Draconis</u>				
39086.697	+ 4,286	+0.012	14	M. Baldwin
39139.636	+ 4,325	+0.011	15	M. Baldwin
<u>SW Lacertae</u>				
39023.389	+48,799	+0.029	13	G. Comello
39023.546	+48,799.5	+0.025	14	G. Comello
39069.737	+48,943.5	+0.033	13	R. Monske
39070.695	+48,946.5	+0.029	13	R. Monske
39074.545	+48,958.5	+0.029	13	R. Monske
39079.675	+48,974.5	+0.029	12	R. Monske
39083.524	+48,986.5	+0.030	13	R. Monske
39089.619	+49,005.5	+0.031	12	R. Monske
39098.677	+49,027.5	+0.033	13	R. Monske
39112.712	+49,077.5	+0.033	15	R. Swanberg
39116.562	+49,089.5	+0.034	14	R. Monske
39117.517	+49,092.5	+0.027	14	R. Monske
<u>Y Leonis</u>				
39177.646	+ 3,255	+0.030	11	C. Ricker
<u>RT Persei</u>				
39079.791	+ 6,936	-0.007	13	R. Monske
39091.675	+ 6,950	-0.015	14	M. Baldwin
39120.556	+ 6,984	-0.013	17	D. Williams
39148.587	+ 7,017	-0.013	20	M. Baldwin
39154.532	+ 7,024	-0.013	15	R. Monske
39165.576	+ 7,037	-0.012	13	R. Monske
<u>ST Persei</u>				
39091.712	+ 3,611	-0.065	25	M. Baldwin
<u>Beta Persei²⁾</u>				
39069.611	+ 385	-0.009	25	R. Monske
39089.690	+ 392	-0.001	17	R. Monske
<u>RW Tauri</u>				
39102.679	+ 1,690	+0.005	23	M. Baldwin

J. D. (2, 400, 000)	E	O - C	n	Observer
<u>X Trianguli</u>				
39091.681	+4, 525	+0. 025	14	M. Baldwin
39092.655	+4, 526	+0. 027	15	M. Baldwin
39093.622	+4, 527	+0. 023	7	M. Baldwin
39093.622	+4, 527	+0. 023	20	R. Monske
39094.594	+4, 528	+0. 023	18	M. Baldwin
39128.599	+4, 563	+0. 025	18	M. Baldwin
39129.570	+4, 564	+0. 024	23	R. Monske
39129.571	+4, 564	+0. 025	18	M. Baldwin
39130.540	+4, 565	+0. 023	20	L. Hazel
39130.542	+4, 565	+0. 025	21	R. Monske
39163.564	+4, 599	+0. 015	13	L. Hazel
39165.507	+4, 601	+0. 015	16	L. Hazel
39165.519	+4, 601	+0. 027	15	R. Monske
39166.495	+4, 602	+0. 031	13	R. Monske

- 1). The time of minimum was determined by fitting the observations to a mean light curve.
- 2). O - C's were computed from the elements in Sky and Tele., 27, 5, 316.
- 3). Some of the minima reported by J. Ashbrook in IBVS No. 119 were determined with a mean light curve.

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