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MINIMA OF ECLIPSING VARIABLES -7

This report continues the one in IBVS No. 180, and contains 85 observed minima of 30 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 the O - C's, unless otherwise specified. The number of estimates used for each minimum is given under n.

J. D. . (2400000)	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>RT Andromedae</u>				
39445.668	+24,369	-0.024	8	M. Baldwin
39464.551	+24,399	-0.009	14	F. Sanner
39474.597	+24,415	-0.026	16	M. Baldwin
39520.514	+24,488	-0.021	12	R. Monske
<u>WZ Andromedae</u>				
39355.753	+19,316	+0.009	17	L. Hazel
<u>XZ Andromedae</u>				
39421.636	+4,817	+0.058	13	L. Hazel
39474.570	+4,856	+0.058	16	M. Baldwin
39482.714	+4,862	+0.059	31	R. Swanberg
39497.642	+4,873	+0.057	26	R. Swanberg
39501.716	+4,876	+0.059	27	R. Swanberg
39554.650	+4,915	+0.059	24	R. Swanberg
<u>WW Aurigae</u>				
39477.768	+2,461	+0.005	12	M. Baldwin
<u>Y Camelopardalis</u>				
39477.815	+4,551	-0.011	15	M. Baldwin

J. D. (2400000)	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>SV Camelopardalis</u>				
39440.663	+12,061	-0.023	12	M. Baldwin
39443.637	+12,066	-0.015	14	M. Baldwin
39463.811:	+12,100	-0.005	14	D. Loring
39468.544	+12,108	-0.017	16	F. Sanner
39548.605	+12,243	-0.021	24	F. Chapman
39562.836	+12,267	-0.023	12	D. Loring
39565.801	+12,272	-0.024	13	D. Loring
39568.769	+12,277	-0.021	16	F. Sanner
39580.629	+12,297	-0.023	13	F. Sanner
39612.651	+12,351	-0.027	15	F. Chapman
<u>WW Cancri</u>				
39443.879	+10,721	-0.036	19	L. Hazel
<u>AK Canis Minoris</u>				
39520.713	+25,037	+0.043	22	L. Hazel
<u>RZ Cassiopeiae</u>				
39443.643	+18,480	-0.035	19	M. Baldwin
39449.618	+18,485	-0.037	14	M. Baldwin
39461.578	+18,495	-0.029	20	L. Hazel
39468.745	+18,501	-0.034	23	L. Hazel
39468.738:	+18,501	-0.041	13	R. Swanberg
39474.720	+18,506	-0.035	14	R. Swanberg
39492.647	+18,521	-0.037	22	M. Baldwin
39511.7690	+18,537	-0.0388	69pe	A. Stokes
39559.574	+18,577	-0.044	14	R. Monske
39559.578	+18,577	-0.040	22	D. Lucas
<u>TV Cassiopeiae</u>				
39445.592	+10,663	-0.011	15	R. Monske
<u>AB Cassiopeiae</u>				
39440.792	+10,209	+0.062	26	M. Baldwin
39473.599	+10,233	+0.064	16	M. Baldwin
39477.703	+10,236	+0.068	27	M. Baldwin
39492.732	+10,247	+0.061	29	M. Baldwin

<u>J.D. .</u> (2400000)	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>U Cephei</u>				
39440. 789	+12, 656	+0. 778	28	M. Baldwin
39495. 633	+12, 678	+0. 779	22	M. Baldwin
39500. 624	+12, 680	+0. 784	25	M. Baldwin
39505. 605	+12, 682	+0. 779	19	M. Baldwin
<u>Z Draconis</u>				
39606. 596:	+4, 669	+0. 012	16	D. Livingston
39610. 665:	+4, 672	+0. 009	32	D. Livingston
<u>SZ Herculis</u> ¹				
39361. 745:	+2, 732	+0. 014	18	R. Swanberg
39608. 805	+3, 034	+0. 009	24	L. Hazel
39613. 717	+3, 040	+0. 012	10	T. Cragg
<u>UX Herculis</u>				
39591. 844	+12, 729	-0. 026	19	L. Hazel
<u>SW Lacertae</u>				
39451. 565	+50, 134	+0. 050	13	R. Monske
39468. 716	+50, 187. 5	+0. 043	15	R. Swanberg
39469. 678	+50, 190. 5	+0. 043	18	F. Chapman
<u>T Leonis Minoris</u>				
39529. 709	+5, 190	-0. 069	24	L. Hazel
<u>Y Leonis</u>				
39531. 727	+3, 465	+0. 036	24	L. Hazel
39536. 789	+3, 468	+0. 040	24	L. Hazel
39548. 590	+3, 475	+0. 038	18	R. Monske
39558. 704	+3, 481	+0. 036	27	M. Baldwin
39558. 705	+3, 481	+0. 037	20	L. Hazel
39580. 621	+3, 494	+0. 034	17	R. Monske
39580. 624	+3, 494	+0. 037	20	L. Hazel
39585. 683	+3, 497	+0. 038	20	F. Chapman
39590. 745	+3, 500	+0. 041	17	T. Cragg

J. D. . (2400000)	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>FL Orionis</u>				
39442.909	+4,870	+0.062	9	M. Baldwin
39495.640	+4,904	+0.060	21	M. Baldwin
<u>RT Persei</u>				
39440.776	+7,361	-0.018	18	M. Baldwin
39526.568	+7,462	-0.016	11	M. Baldwin
<u>XZ Persei</u>				
39445.662	+12,413	+0.003	20	M. Baldwin
<u>Beta Persei</u> ²				
39459.565	+521	-0.012	8	J. Olivarez
39525.523	+544	-0.002	15	L. Hazel
<u>BV 312 Tauri</u> ³				
39492.501	+6,736	-0.001	23	A. Howell
Insert RW Tau from p. 5				
<u>X Trianguli</u>				
39468.635:	+4,913	+0.026	23	L. Hazel
39471.555	+4,916	+0.031	12	C. Ricker
<u>W Ursae Majoris</u>				
39549.736	+15,167	+0.009	8	T. Cragg
39553.742	+15,179	+0.011	9	T. Cragg
49556.743	+15,188	+0.009	6	T. Cragg
39557.748	+15,191	+0.013	13	T. Cragg
39590.771	+15,290	+0.006	9	T. Cragg
39597.791	+15,311	+0.020	10	T. Cragg
<u>TX Ursae Majoris</u>				
39603.798	+7,566	-0.045	13	S. Cook
<u>XZ Ursae Majoris</u>				
39521.609	+10,747	+0.056	19	L. Hazel

J. D. . (2400000)	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>AW Vulpeculae</u>				
39443.533	+16,037	-0.013	12	R. Monske
<u>BU Vulpeculae</u>				
39445.515	+10,277	+0.042	17	R. Monske
39449.503	+10,284	+0.047	16	R. Monske
<u>RW Tauri</u>				
39473.703	+1,824	+0.007	22	M. Baldwin

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- 1). O - C's computed from elements in Sky and Tele. , 25, 5, 277.
- 2). O - C's computed from elements in Sky and Tele. , 27, 5, 316.
- 3). O - C's computed from elements in Sky and Tele. , 26, 5, 264.