

MINIMA OF ECLIPSING BINARY STARS, VI

MARVIN E. BALDWIN
Butlerville, IN 47223

This report continues that given in JAAVSO 6, No. 1. The listing includes 693 observed heliocentric minima of 103 eclipsing binary stars derived from observations submitted by participants in the AAVSO eclipsing binary program. All are visual minima reduced by the writer using the tracing paper method. Except where otherwise noted O-C's and epoch numbers are computed using the linear elements given in the main listing of the 1969 General Catalog of Variable Stars without regard to additional linear or non-linear elements which might appear in the notes following the main listing and without regard to more recent elements which may be listed in the supplements to the catalog. The number of estimates used for each minimum is given under n. This work is sponsored by the AAVSO with the writer acting as program coordinator. Superscripts refer to notes at the end of the compilation.

<u>J.D. hel.</u>	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
2,400,000+				
<u>RT Andromedae</u>				
42570.820	14768	-0.009	11	M. Baldwin
42572.704	14771	-0.011	11	M. Baldwin
42577.739	14779	-0.008	9	G. Wedemayer
42594.721	14806	-0.007	7	M. Baldwin
42631.823	14865	-0.012	10	M. Baldwin
42633.706	14868	-0.016	9	M. Baldwin
42638.755	14876	+0.002	14	B. Ganiere
42650.690	14895	-0.012	9	M. Baldwin
42662.641	14914	-0.011	12	M. Baldwin
42682.769	14946	-0.009	11	G. Samolyk
42689.687	14957	-0.010	7	M. Baldwin
<u>TW Andromedae</u>				
42640.219 ¹	5479	+0.041	16	M. Baldwin
42660.778:	5484	-0.014:	13	M. Baldwin
42689.666	5491	+0.015	23	M. Baldwin
42722.653	5499	+0.020	19	M. Baldwin
<u>WZ Andromedae</u>				
42610.744	10832	-0.009	15	G. Samolyk
42658.733	10901	-0.021	23	M. Baldwin
42683.781	10937	-0.016	15	D. Ruokonen
42683.782	10937	-0.015	15	G. Wedemayer
42688.659	10944	-0.008	17	M. Baldwin
42722.740	10993	-0.015	14	M. Baldwin
42727.601	11000	-0.023	16	M. Baldwin
42727.610	11000	-0.014	13	G. Samolyk
42742.915	11022	-0.013	14	P. Atwood
<u>XZ Andromedae</u>				
42422.602	2407	-0.013	9	M. Baldwin
42445.677	2424	-0.013	9	T. Cragg
42456.533	2432	-0.015	6	M. Baldwin
42658.767	2581	-0.018	9	M. Baldwin
42669.624	2589	-0.019	12	M. Baldwin
42684.555	2600	-0.018	6	M. Baldwin
42692.696	2606	-0.021	9	M. Baldwin
42722.555	2628	-0.023	10	M. Baldwin
42726.632	2631	-0.018	15	W. Farrar
42745.627	2645	-0.025	10	M. Baldwin
42768.703	2662	-0.023	7	G. Samolyk
42768.707	2662	-0.019	8	D. Ruokonen

1978JAVSO...7

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>AB Andromedae</u>				
42399.908	18953	-0.004	7	R. Harvin
42429.637	19042.5	+0.020	13	G. Samolyk
42442.579	19081.5	+0.019	13	G. Samolyk
42528.883	19341.5	+0.031	12	G. Samolyk
42576.833	19486	+0.022	8	M. Baldwin
42577.829	19489	+0.023	7	G. Wedemayer
42581.811	19501	+0.022	13	G. Samolyk
42583.796	19507	+0.015	13	G. Samolyk
42618.820	19612.5	+0.025	15	G. Samolyk
42618.822	19612.5	+0.027	15	B. Ganiere
42624.795	19630.5	+0.026	15	G. Samolyk
42624.805:	19630.5	+0.036:	8	C. Hesseltine
42625.794	19633.5	+0.029	14	M. Baldwin
42632.758	19654.5	+0.024	15	M. Baldwin
42633.755	19657.5	+0.025	13	M. Baldwin
42664.625	19750.5	+0.029	7	M. Baldwin
42678.714	19793	+0.013	16	G. Samolyk
42689.674	19826	+0.021	15	K. Krueger
42690.667	19829	+0.018	15	K. Krueger
42690.670	19829	+0.021	14	D. Ruokonen
42701.778	19862.5	+0.011	19	G. Samolyk
42731.659	19952.5	+0.021	13	G. Samolyk
42774.637	20082	+0.019	9	D. Ruokonen
42774.643	20082	+0.026	7	G. Wedemayer
<u>RY Aquarii</u>				
42623.861	4450	-0.079	6	P. Atwood
42627.798	4452	-0.074	21	H. Carney
<u>CX Aquarii</u>				
42632.787	11114	+0.012	16	M. Baldwin
42637.786	11123	+0.006	7	M. Baldwin
42662.811	11168	+0.012	18	M. Baldwin
42666.701	11175	+0.011	23	W. Farrar
42716.733	11265	+0.003	12	G. Samolyk
<u>XZ Aquilae</u>				
42600.828	4077	+0.024	21	P. Atwood
42660.729	4105	+0.028	14	M. Baldwin
<u>OO Aquilae</u>				
42472.922	16866	-0.035	11	G. Wedemayer
42472.926	16866	-0.031	11	G. Samolyk
42506.879	16933	-0.033	18	G. Samolyk
42507.878	16935	-0.047	11	G. Wedemayer
42507.889	16935	-0.037	14	G. Samolyk
42520.838:	16960.5	-0.011:	9	R. Harvin
42534.766	16988	-0.020	11	G. Samolyk
42538.789:	16996	-0.052:	9	R. Harvin
42549.711	17017.5	-0.025	12	G. Samolyk
42549.711:	17017.5	-0.025:	16	B. Ganiere
42550.728:	17019.5	-0.022:	8	R. Harvin
42562.888	17043.5	-0.025	12	P. Atwood
42569.721	17057	-0.034	12	M. Baldwin
42570.741	17059	-0.027	16	M. Baldwin
42571.747	17061	-0.035	9	M. Baldwin
42572.764	17063	-0.032	16	M. Baldwin
42581.643	17080.5	-0.022	13	G. Samolyk
42604.692	17126	-0.032	6	M. Baldwin
42605.702	17128	-0.035	8	G. Wedemayer
42607.731	17132	-0.033	10	M. Baldwin
42608.736	17134	-0.042	14	M. Baldwin
42610.773	17138	-0.032	14	G. Samolyk
42625.717	17167.5	-0.039	13	M. Baldwin
42631.804	17179.5	-0.033	12	M. Baldwin
42632.811	17181.5	-0.039	14	M. Baldwin

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>OO Aquilae</u>				
42658.652	17232.5	-0.045	15	M. Baldwin
42660.676	17236.5	-0.048	13	M. Baldwin
42662.711	17240.5	-0.041	19	M. Baldwin
42678.683	17272	-0.032	16	G. Samolyk
42683.751	17282	-0.032	10	G. Wedemayer
42683.760	17282	-0.024	11	D. Ruokonen
42690.594	17295.5	-0.031	13	D. Ruokonen
42690.601	17295.5	-0.024	6	C. Laskowski
42700.711:	17315.5	-0.050:	10	T. Cragg
<u>V342 Aquilae</u>				
42600.979 ²	2055	-0.041	27	P. Atwood
42607.771	2057	-0.031	16	M. Baldwin
42624.720	2062	-0.037	28	G. Samolyk
42624.739	2062	-0.019	17	C. Hesselstine
42658.636	2072	-0.031	14	M. Baldwin
42685.737	2080	-0.057	16	T. Cragg
<u>V346 Aquilae</u>				
42576.673	10166	-0.007	6	M. Baldwin
42577.777	10167	-0.009	12	G. Wedemayer
42598.789	10186	-0.018	11	M. Baldwin
42607.650	10194	-0.008	8	M. Baldwin
42608.752	10195	-0.012	13	M. Baldwin
42669.602	10250	-0.012	13	M. Baldwin
42690.627	10269	-0.008	10	E. Mayer
42711.639:	10288	-0.017:	5	E. Halbach
42711.647	10288	-0.009	6	R. Zit
<u>WW Aurigae</u>				
42421.941	3753	+0.005	18	P. Atwood
42435.819	3758.5	-0.005	17	P. Atwood
42440.871	3760.5	-0.003	19	P. Atwood
42444.676	3762	+0.015	16	S. Thompson
42449.713	3764	+0.001	14	S. Thompson
42463.601	3769.5	+0.001	21	G. Samolyk
42473.692	3773.5	-0.007	18	G. Samolyk
42473.701	3773.5	+0.001	12	G. Wedemayer
42478.749	3775.5	-0.001	10	R. Harvin
42497.692	3783	+0.005	13	R. Harvin
42723.676	3872.5	0.000	15	A. Porter
42733.776	3876.5	-0.001	20	G. Samolyk
<u>AR Aurigae</u>				
42470.688	3804	+0.006	10	R. Harvin
<u>EM Aurigae</u>				
42727.746	6441	-0.033	14	G. Samolyk
<u>EP Aurigae</u>				
42721.686	27770	-0.018	12	G. Samolyk
42770.709	27853	-0.049	11	D. Ruokonen
42770.716	27853	-0.042	7	G. Wedemayer
42777.823	27865	-0.028	9	G. Wedemayer
42781.954	27872	-0.033	13	G. Wedemayer
<u>AD Bootis</u>				
42614.686	16315	+0.026	18	G. Samolyk
<u>Y Camelopardalis</u>				
42429.715:	1974	+0.072:	12	K. Simmons
42429.720	1974	+0.076	24	M. Baldwin
42429.736	1974	+0.093	37	G. Samolyk

<u>J. D. hel.</u>	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
2,400,000+				
<u>SV Camelopardalis</u>				
42414.916	14564	-0.007	11	G. Wedemayer
42422.619	14577	-0.013	9	R. Harvin
42473.607:	14663	-0.030:	8	R. Harvin
42473.613	14663	-0.024	11	K. Simmons
42474.811	14665	-0.012	8	P. Atwood
42480.753	14675	0.000	6	R. Harvin
42486.675	14685	-0.009	12	G. Samolyk
42486.678	14685	-0.006	11	R. Harvin
42502.692	14712	-0.005	6	G. Samolyk
42508.621	14722	-0.007	14	D. DeVoe
42508.621	14722	-0.007	19	J. Searles
42508.625	14722	-0.002	10	R. Harvin
42515.743	14734	-0.001	12	R. Harvin
42515.744	14734	-0.001	11	H. Carney
42518.705	14739	-0.005	9	R. Harvin
42560.807	14810	-0.010	13	G. Samolyk
42664.598	14985	-0.007	10	M. Baldwin
42665.784	14987	-0.007	10	M. Baldwin
42668.750	14992	-0.007	10	M. Baldwin
42716.792	15073	-0.004	12	G. Samolyk
42734.585	15103	-0.003	13	G. Samolyk
<u>AL Camelopardalis</u>				
42424.582	12055	0.000	8	M. Baldwin
42429.890	12059	-0.005	13	G. Wedemayer
42429.892	12059	-0.003	14	G. Samolyk
42473.728	12092	-0.002	16	G. Samolyk
42473.732	12092	+0.002	17	G. Wedemayer
42485.683	12101	-0.002	15	G. Fortier
42716.805	12275	-0.010	18	G. Samolyk
42728.765	12284	-0.005	14	P. Atwood
42768.618	12314	-0.002	18	G. Samolyk
<u>R Canis Majoris</u>				
42421.879	6080	+0.012	16	P. Atwood
42428.696	6086	+0.013	12	C. Mahnkey
42429.815	6087	-0.004	10	G. Wedemayer
42429.820	6087	+0.002	14	G. Samolyk
42429.821 ³	6087	+0.003	20	G. Samolyk
42429.829	6087	+0.011	11	P. Atwood
42444.599	6100	+0.014	11	S. Thompson
42445.737	6101	+0.015	12	S. Thompson
42453.673	6108	0.000	13	M. Baldwin
42469.571	6122	-0.005	10	R. Harvin
42469.588	6122	+0.012	13	K. Simmons
42478.670	6130	+0.006	12	R. Harvin
42478.680	6130	+0.016	12	S. Thompson
42486.623	6137	+0.008	17	G. Samolyk
42738.798	6359	+0.005	15	G. Wedemayer
<u>RW Capricorni</u>				
42623.830:	2398	+0.065:	8	P. Atwood
42664.512 ⁴	2410	+0.038	15	P. Atwood
<u>RZ Cassiopeiae</u>				
42339.733	4347	+0.005	20	R. Harvin
42351.676	4357	-0.005	17	R. Harvin
42424.594	4418	+0.003	14	E. Mayer
42424.598	4418	+0.007	10	S. Thompson
42424.599	4418	+0.008	10	M. Baldwin
42437.745	4429	+0.006	17	P. Atwood
42449.696	4439	+0.005	10	S. Thompson
42473.597	4459	+0.001	9	R. Harvin
42473.601	4459	+0.005	15	G. Samolyk
42473.602	4459	+0.006	14	K. Simmons

<u>J. D. hel.</u>	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
2,400,000+				
<u>RZ Cassiopeiae</u>				
42474.800	4460	+0.009	12	P. Atwood
42479.578	4464	+0.006	13	S. Thompson
42480.763	4465	-0.005	16	G. Samolyk
42486.739	4470	-0.004	16	G. Samolyk
42486.744	4470	0.000	10	G. Wedemayer
42504.676	4485	+0.004	12	M. Baldwin
42565.641	4536	+0.011	10	G. Samolyk
42620.614	4582	+0.003	12	H. Koller
42627.795	4588	+0.012	16	H. Carney
42633.764	4593	+0.005	17	M. Baldwin
42639.731	4598	-0.005	15	G. Samolyk
42663.645	4618	+0.005	16	M. Baldwin
42669.620	4623	+0.004	16	M. Baldwin
42682.761	4634	-0.003	14	G. Samolyk
42688.735	4639	-0.005	18	G. Samolyk
42718.617	4664	-0.005	10	G. Samolyk
<u>SX Cassiopeiae</u>				
42592.60	236	-0.57	13	G. Samolyk
42592.68	236	-0.49	10	G. Wedemayer
<u>TV Cassiopeiae</u>				
42414.654	12301	-0.010	16	G. Wedemayer
42577.786	12391	-0.014	8	G. Wedemayer
42624.906	12417	-0.022	10	P. Atwood
42693.808	12455	+0.001	12	P. Atwood
42713.736	12466	-0.009	12	S. Thompson
42733.661	12477	-0.023	11	G. Samolyk
42753.627	12488	+0.004	16	S. Thompson
42762.687	12493	+0.001	9	S. Thompson
<u>AB Cassiopeiae</u>				
42491.658	6493	0.000	14	M. Baldwin
42618.776	6586	-0.001	24	G. Samolyk
42633.820	6597	+0.007	17	M. Baldwin
42692.592	6640	+0.003	14	M. Baldwin
42722.664	6662	+0.004	16	W. Farrar
42722.668	6662	+0.008	18	M. Baldwin
<u>IR Cassiopeiae</u>				
42690.789	20480	-0.070	12	T. Fetterman
<u>IV Cassiopeiae</u>				
42688.888	11267	+0.077	18	M. Baldwin
42689.883	11268	+0.074	17	M. Baldwin
<u>OR Cassiopeiae</u>				
42751.665	10839	+0.032	21	M. Baldwin
<u>OX Cassiopeiae</u>				
42684.843:	12659	-0.029:	7	M. Baldwin
42689.843	12663	-0.008	18	M. Baldwin
<u>U Cephei</u>				
42474.855	1678	+0.030	14	P. Atwood
42504.769	1690	+0.028	21	P. Atwood
42534.688	1702	+0.030	16	G. Samolyk
42701.724	1769	+0.032	23	G. Samolyk
42711.700	1773	+0.036	19	S. Thompson
42724.166	1778	+0.037	38	K. Hirose
42751.585	1789	+0.033	19	M. Baldwin
<u>XX Cephei</u>				
42504.809	1933	-0.011	16	M. Baldwin
42607.662	1977	0.000	7	M. Baldwin
42745.560	2036	-0.003	12	M. Baldwin

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>ZZ Cephei</u>				
42569.799	6836	+0.003	11	M. Baldwin
42689.726	6892	-0.011	15	M. Baldwin
<u>EG Cephei</u>				
42429.913	28461	+0.019	8	G. Wedemayer
42456.590	28510	+0.010	8	M. Baldwin
42476.746	28547	+0.015	14	M. Baldwin
42507.779	28604	+0.005	13	G. Samolyk
42507.780	28604	+0.006	14	G. Wedemayer
42507.789	28604	+0.015	15	M. Baldwin
42579.673	28736	+0.009	8	M. Baldwin
42581.847	28740	+0.004	13	G. Wedemayer
42592.749	28760	+0.014	9	G. Wedemayer
42593.843	28762	+0.019	9	P. Atwood
42598.739	28771	+0.013	12	M. Baldwin
42599.822	28773	+0.007	9	G. Wedemayer
42604.731	28782	+0.015	10	M. Baldwin
42660.830	28885	+0.017	13	M. Baldwin
42664.638	28892	+0.013	14	M. Baldwin
42665.725	28894	+0.011	7	M. Baldwin
42682.617	28925	+0.020	15	W. Farrar
42714.744	28984	+0.015	15	P. Atwood
42774.651	29094	+0.013	8	G. Wedemayer
<u>SS Ceti</u>				
42742.772:	4050	-0.056:	12	P. Atwood
42751.699	4053	-0.051	27	M. Baldwin
42763.589	4057	-0.056	12	G. Samolyk
<u>U Coronae Borealis</u>				
42473.781	7452	-0.009	14	G. Samolyk
42473.795	7452	+0.006	12	G. Wedemayer
42518.659	7465	-0.009	9	R. Haryin
42549.723	7474	-0.015	20	G. Samolyk
42573.888	7481	-0.015	19	P. Atwood
<u>W Corvi</u>				
42507.726	37740.5	-0.005	11	M. Baldwin
42509.668	37745.5	-0.003	7	M. Baldwin
42515.684	37761	-0.003	8	T. Cragg
<u>RV Corvi</u>				
42549.672	17191	-0.103	13	G. Samolyk
<u>Y Cygni</u>				
42565.764	11024	-0.132	11	G. Wedemayer
42565.788	11024	-0.107	15	G. Samolyk
42571.803	11026	-0.085	16	M. Baldwin
42583.719	11030	-0.155	18	G. Samolyk
42598.749	11035	-0.106	21	M. Baldwin
42604.755	11037	-0.092	16	M. Baldwin
42607.788	11038	-0.057	19	M. Baldwin
42625.745	11044	-0.077	17	M. Baldwin
42631.758	11046	-0.057	18	M. Baldwin
42637.738	11048	-0.069	14	M. Baldwin
<u>WW Cygni</u>				
42687.048 ⁵	2236	+0.020	11	M. Baldwin
<u>ZZ Cygni</u>				
42560.690	34080	-0.037	13	M. Baldwin
42565.722	34088	-0.034	9	G. Wedemayer
42570.749	34096	-0.036	11	M. Baldwin
42572.636	34099	-0.034	7	M. Baldwin
42590.873	34128	-0.028	11	P. Atwood

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>ZZ Cygni</u>				
42604.696	34150	-0.034	8	M. Baldwin
42633.613	34196	-0.033	5	M. Baldwin
42660.646	34239	-0.031	12	M. Baldwin
42665.674	34247	-0.032	9	M. Baldwin
42682.643	34274	-0.036	18	W. Farrar
42689.566	34285	-0.028	8	M. Baldwin
42714.702	34325	-0.036	8	P. Atwood
42731.673	34352	-0.038	14	G. Samolyk
42731.679	34352	-0.032	7	G. Wedemayer
<u>V477 Cygni</u>				
42616.776	4163	-0.019	10	P. Atwood
42623.821	4166	-0.015	9	P. Atwood
42649.638:	4177	-0.015:	6	G. Wedemayer
42649.641:	4177	-0.013:	5	G. Samolyk
42656.692	4180	-0.003	10	W. Farrar
<u>W Delphini</u>				
42602.816	5109	+0.123	26	G. Samolyk
42626.851	5114	+0.127	16	P. Atwood
42631.645	5115	+0.116	11	M. Baldwin
42679.723	5125	+0.133	15	W. Farrar
<u>TT Delphini</u>				
42593.864	1510	+0.043	10	P. Atwood
42619.709	1519	+0.049	18	E. Mayer
42619.713	1519	+0.053	16	G. Samolyk
42619.714	1519	+0.054	11	C. Hesseltine
42665.660	1535	+0.063	18	M. Baldwin
42688.621	1543	+0.054	12	M. Baldwin
<u>TY Delphini</u>				
42692.636	12318	+0.009	14	M. Baldwin
<u>YY Delphini</u>				
42663.685	4171	+0.015	17	M. Baldwin
<u>FZ Delphini</u>				
42583.797	14376	+0.004	10	G. Samolyk
42594.754	14390	-0.004	10	M. Baldwin
42598.674	14395	-0.001	8	M. Baldwin
42652.717	14464	+0.001	11	M. Baldwin
42663.675	14478	-0.006	6	M. Baldwin
42663.682	14478	+0.001	9	T. Cragg
42692.659	14515	-0.001	7	M. Baldwin
42725.554	14557	0.000	12	M. Baldwin
42728.674	14561	-0.014	12	P. Atwood
<u>Z Draconis</u>				
42424.643	6745	+0.002	23	E. Mayer
42477.580	6784	-0.001	12	M. Baldwin
42504.729	6804	-0.001	20	P. Atwood
42504.730	6804	0.000	15	M. Baldwin
42538.667	6829	+0.002	14	M. Baldwin
42565.814	6849	-0.001	14	G. Samolyk
42565.815	6849	+0.001	8	G. Wedemayer
42576.676	6857	+0.002	10	M. Baldwin
42740.922	6978	-0.002	18	P. Atwood
<u>RZ Draconis</u>				
42538.701	23762	-0.018	13	M. Baldwin
42570.657	23820	-0.013	9	M. Baldwin
42571.741	23822	-0.030	10	M. Baldwin

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>TW Draconis</u>				
42502.686:	3069	-0.050:	13	G. Samolyk
<u>UZ Draconis</u>				
42579.661	7098.5	+0.006	11	M. Baldwin
<u>AI Draconis</u>				
42478.848	2854	+0.022	14	R. Harvin
42520.804	2889	+0.019	11	R. Harvin
42550.751	2914	-0.003	14	R. Harvin
42682.636	3024	+0.011	16	W. Farrar
42694.622	3034	+0.009	14	W. Farrar
<u>BH Draconis</u>				
42576.662	9246	+0.055	8	M. Baldwin
42665.716	9295	+0.065	12	M. Baldwin
<u>YY Eridani</u>				
42399.644	27316.5	-0.027	8	R. Harvin
42414.604	27363	-0.016	18	D. DeVoe
42414.606	27363	-0.015	17	J. Searles
42414.612	27363	-0.009	8	G. Wedemayer
42422.633	27388	-0.025	9	R. Harvin
42424.583	27394	-0.005	9	M. Baldwin
42429.560	27409.5	-0.010	10	M. Baldwin
42429.565	27409.5	-0.005	10	K. Simmons
42433.578	27422	-0.010	9	M. Baldwin
42445.643	27459.5	-0.002	8	K. Simmons
42451.579	27478	-0.014	11	M. Baldwin
42455.610:	27490.5	-0.001:	8	K. Simmons
42456.567	27493.5	-0.009	10	M. Baldwin
42464.598	27518.5	-0.015	21	D. DeVoe
42464.606	27518.5	-0.008	12	M. Baldwin
42465.574	27521.5	-0.004	16	M. Baldwin
42469.584	27534	-0.013	7	R. Harvin
42469.590	27534	-0.007	11	K. Simmons
42473.601	27546.5	-0.014	9	K. Simmons
42473.610	27546.5	-0.005	9	R. Harvin
42474.565	27549.5	-0.015	5	R. Harvin
42478.588	27562	-0.010	9	R. Harvin
42486.616	27587	-0.019	9	G. Samolyk
42721.793	28318.5	-0.017	10	G. Samolyk
<u>RW Geminorum</u>				
42504.645 ⁶	8446	+0.002	18	M. Baldwin
<u>TX Geminorum</u>				
42777.720	8189	-0.007	17	D. Ruokonen
42777.728	8189	+0.002	16	G. Wedemayer
<u>RX Herculis</u>				
42637.757	5323	+0.018	16	M. Baldwin
42662.642	5337	+0.004	17	M. Baldwin
<u>SZ Herculis</u>				
42491.787	9173	+0.027	7	M. Baldwin
42504.873	9189	+0.024	20	M. Baldwin
42509.784	9195	+0.025	14	M. Baldwin
42522.877	9211	+0.029	19	P. Atwood
42550.691	9245	+0.027	14	W. Farrar
42568.690	9267	+0.028	18	W. Farrar
42572.774	9272	+0.022	12	M. Baldwin
42581.777	9283	+0.026	18	G. Wedemayer
42581.778	9283	+0.027	24	G. Samolyk
42599.774	9305	+0.025	15	G. Wedemayer
42604.682	9311	+0.025	7	M. Baldwin

<u>J.D. hel.</u>	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
2,400,000+				
<u>SZ Hercules</u>				
42608.776	9316	+0.029	12	M. Baldwin
42663.587	9383	+0.027	8	M. Baldwin
<u>TU Hercules</u>				
42560.735	2249	-0.075	19	G. Samolyk
42594.739	2264	-0.076	14	M. Baldwin
42619.678	2275	-0.074	15	E. Mayer
42628.743	2279	-0.077	12	G. Samolyk
42628.745	2279	-0.074	8	G. Wedemayer
42628.747	2279	-0.072	18	W. Farrar
<u>CT Hercules</u>				
42515.796	1769	+0.052	12	R. Harvin
42522.929	1773	+0.039	25	P. Atwood
42565.806	1797	+0.043	11	G. Samolyk
42565.808	1797	+0.045	11	G. Wedemayer
42581.872	1806	+0.032	16	P. Atwood
42608.683	1821	+0.048	11	M. Baldwin
42633.674	1835	+0.030	14	M. Baldwin
<u>AV Hydrae⁷</u>				
42494.640	8518	-0.009	12	M. Baldwin
42507.624	8537	-0.009	14	M. Baldwin
42509.675	8540	-0.009	20	M. Baldwin
<u>SW Lacertae</u>				
42399.624	15050.5	-0.067	7	R. Harvin
42506.901	15385	-0.073	13	G. Samolyk
42507.859	15388	-0.078	10	G. Samolyk
42507.861	15388	-0.076	5	G. Wedemayer
42528.873	15453.5	-0.071	14	G. Samolyk
42560.770	15553	-0.087	11	G. Samolyk
42581.788	15618.5	-0.076	12	G. Samolyk
42581.793	15618.5	-0.071	9	G. Wedemayer
42583.707	15624.5	-0.081	16	G. Samolyk
42604.714	15690	-0.082	6	M. Baldwin
42608.732	15702.5	-0.073	6	M. Baldwin
42618.830	15734	-0.078	11	G. Samolyk
42625.725	15755.5	-0.079	12	M. Baldwin
42632.782	15777.5	-0.078	19	M. Baldwin
42633.746	15780.5	-0.076	12	M. Baldwin
42635.665	15786.5	-0.082	9	G. Samolyk
42678.646	15920.5	-0.078	11	G. Samolyk
42682.651	15933	-0.082	11	G. Samolyk
42701.733	15992.5	-0.083	14	G. Samolyk
42734.610	16095	-0.081	11	G. Samolyk
<u>VX Lacertae</u>				
42565.781	7763	-0.058	8	G. Wedemayer
42608.762	7803	-0.058	16	M. Baldwin
42624.882	7818	-0.056	10	P. Atwood
42637.774	7830	-0.057	10	M. Baldwin
42664.639	7855	-0.055	14	M. Baldwin
42665.710	7856	-0.059	11	M. Baldwin
42679.679	7869	-0.058	16	W. Farrar
42692.575	7881	-0.056	9	M. Baldwin
42722.661	7909	-0.056	10	M. Baldwin
<u>CM Lacertae</u>				
42660.821	9743	-0.005	18	M. Baldwin
42665.647	9746	+0.006	11	M. Baldwin
42689.705	9761	-0.006	14	M. Baldwin

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>Y Leonis</u>				
42502.637	5227	+0.088	14	G. Samolyk
42502.638	5227	+0.089	11	G. Wedemayer
42507.693	5230	+0.087	21	G. Samolyk
42507.694	5230	+0.088	19	M. Baldwin
42507.694	5230	+0.088	11	E. Mayer
42507.694	5230	+0.088	22	G. Wedemayer
42529.614	5243	+0.089	12	E. Mayer
42534.671	5246	+0.088	28	E. Mayer
42544.786	5252	+0.087	23	P. Atwood
42721.827	5357	+0.090	16	G. Samolyk
<u>UV Leonis</u>				
42464.602	6705.5	+0.001	9	M. Baldwin
42491.602:	6750.5	-0.002:	7	M. Baldwin
<u>T Leonis Minoris</u>				
42434.862	6152	-0.092	21	P. Atwood
42437.879	6153	-0.096	23	P. Atwood
42552.646	6191	-0.086	10	E. Mayer
42733.827	6251	-0.101	18	G. Samolyk
<u>Delta Librae</u>				
42520.830	8451	+0.010	13	R. Harvin
42569.727	8472	+0.033	14	M. Baldwin
<u>EW Lyrae</u>				
42543.676	3877	+0.045	19	E. Mayer
42572.919	3892	+0.056	16	P. Atwood
42576.810	3894	+0.050	18	M. Baldwin
42619.677	3916	+0.045	13	E. Mayer
42658.655	3936	+0.048	15	M. Baldwin
42660.603	3937	+0.047	14	M. Baldwin
42693.736	3954	+0.052	14	P. Atwood
42695.684	3955	+0.052	17	W. Farrar
42697.632	3956	+0.050	13	E. Mayer
<u>FL Lyrae</u>				
42599.651	2010	+0.008	13	E. Mayer
42625.790	2022	+0.009	8	M. Baldwin
42660.635	2038	+0.004	15	M. Baldwin
42721.607	2066	-0.012	14	G. Samolyk
<u>RU Monocerotis</u>				
42411.892: ⁸	3562.5	+0.048:	12	E. Mayer
42422.637	3565.5	+0.039	9	R. Harvin
42463.756	3577	-0.065	13	G. Samolyk
<u>U Ophiuchi</u>				
42562.901	20439	-0.014	15	P. Atwood
42579.688	20449	-0.001	12	M. Baldwin
42594.777	20458	-0.008	10	H. Smith
42599.806	20461	-0.011	13	G. Wedemayer
42631.676	20480	-0.011	15	M. Baldwin
<u>RV Ophiuchi</u>				
42576.790	5039	-0.002	17	M. Baldwin
<u>SX Ophiuchi</u>				
42628.709	5759	+0.040	12	W. Farrar
42659.693	5774	+0.075	8	G. Wedemayer

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>EQ Orionis</u>				
42433.660	9292	-0.063	24	M. Baldwin
42721.759	9457	-0.065	13	G. Samolyk
42740.965	9468	-0.066	15	P. Atwood
<u>ER Orionis</u>				
42414.571	13948.5	-0.021	12	G. Wedemayer
42414.790	13949	-0.014	6	G. Wedemayer
42422.614	13967.5	-0.023	8	R. Harvin
42422.617	13967.5	-0.020	7	M. Baldwin
42429.605	13984	-0.018	12	M. Baldwin
42429.609	13984	-0.014	9	K. Simmons
42429.822:	13984.5	-0.013:	5	G. Wedemayer
42451.621	14036	-0.019	7	K. Simmons
42457.544	14050	-0.024	8	K. Simmons
42463.689	14064.5	-0.019	10	G. Samolyk
42465.598	14069	-0.014	13	M. Baldwin
42473.632	14088	-0.025	11	K. Simmons
42473.634	14088	-0.023	11	G. Samolyk
42473.634	14088	-0.023	10	R. Harvin
42477.659	14097.5	-0.020	7	R. Harvin
42497.563	14144.5	-0.016	10	R. Harvin
42508.568	14170.5	-0.020	11	R. Harvin
42683.861	14584.5	-0.015	9	G. Wedemayer
42683.862	14584.5	-0.013	7	D. Ruokonen
42713.919	14655.5	-0.018	13	P. Atwood
42733.812	14702.5	-0.025	15	G. Samolyk
42751.809	14745	-0.022	8	G. Samolyk
<u>FL Orionis</u>				
42414.576	9647	+0.088	13	G. Wedemayer
42414.576	9647	+0.088	19	E. Halbach
42445.598	9667	+0.091	10	K. Simmons
42713.915	9840	+0.089	10	P. Atwood
<u>U Pegasi</u>				
42414.651	15750.5	-0.020	6	G. Wedemayer
42427.590	15785	-0.012	11	D. Sharpe
42581.816	16196.5	-0.008	11	G. Wedemayer
42599.812	16244.5	-0.002	10	G. Wedemayer
42618.746	16295	+0.006	13	G. Samolyk
42618.755	16295	+0.015	17	B. Ganiere
42663.712	16415	-0.002	9	M. Baldwin
42664.636	16417.5	-0.015	13	M. Baldwin
42665.756	16420.5	-0.019	12	M. Baldwin
42668.758	16428.5	-0.016	15	M. Baldwin
42669.698	16431	-0.013	18	M. Baldwin
42682.649	16465.5	+0.009	14	G. Samolyk
42688.632	16481.5	-0.005	11	M. Baldwin
42745.593	16633.5	-0.011	14	M. Baldwin
42768.646	16695	-0.007	14	D. Ruokonen
<u>TY Pegasi</u>				
42628.703	1164	-0.037	12	G. Samolyk
42628.706	1164	-0.034	7	G. Wedemayer
42631.801	1165	-0.032	20	M. Baldwin
42662.727	1175	-0.028	25	M. Baldwin
42724.565	1195	-0.034	13	M. Baldwin
42727.664	1196	-0.027	16	G. Samolyk
42727.665	1196	-0.026	11	E. Mayer
<u>AQ Pegasi</u>				
42632.046 ⁹	1516	+0.063	23	M. Baldwin

<u>J.D. hel.</u>	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
2,400,000+				
<u>Beta Persei</u>				
42458.781	1039	-0.084	13	P. Atwood
42484.606	1048	-0.065	8	G. Wedemayer
42693.918	1121	-0.073	14	P. Atwood
42742.644	1138	-0.093	18	G. Samolyk
<u>Z Persei</u>				
42422.626	1228	+0.032	10	R. Harvin
42697.700:	1318	+0.039:	4	E. Mayer
<u>RT Persei</u>				
42425.571	21041	-0.054	13	D. Sharpe
42453.603	21074	-0.052	12	M. Baldwin
42632.814	21285	-0.066	19	M. Baldwin
42678.690	21339	-0.058	20	G. Samolyk
42683.786	21345	-0.058	14	D. Ruokonen
42683.787	21345	-0.058	12	G. Wedemayer
42684.641	21346	-0.053	14	E. Mayer
42689.727	21352	-0.063	12	M. Baldwin
42723.713	21392	-0.054	13	T. Cragg
42727.954	21397	-0.059	12	P. Atwood
42728.801	21398	-0.062	6	P. Atwood
42751.738	21425	-0.059	11	M. Baldwin
42769.579	21446	-0.056	11	M. Baldwin
<u>ST Persei</u>				
42436.588	1263	+0.006	12	E. Mayer
42722.606	1371	+0.003	16	M. Baldwin
42751.736	1382	0.000	12	M. Baldwin
42751.742	1382	+0.006	15	G. Samolyk
<u>XZ Persei</u>				
42429.554	15004	+0.013	16	M. Baldwin
42688.663	15229	+0.005	12	M. Baldwin
42689.816	15230	+0.006	20	M. Baldwin
<u>KW Persei</u>				
42669.740	17583	+0.034	6	M. Baldwin
42739.577	17658	+0.027	11	C. Scovil
<u>Y Piscium</u>				
42633.900	2019	+0.137	20	P. Atwood
42652.740	2024	+0.149	19	M. Baldwin
42750.647	2050	+0.145	16	W. Farrar
<u>XZ Puppis</u>				
42451.658	7572	-0.009	9	K. Simmons
42473.585	7582	-0.006	11	K. Simmons
42473.593	7582	+0.002	9	R. Harvin
<u>U Sagittae</u>				
42579.716	3984	+0.010	13	M. Baldwin
42616.903	3995	+0.009	16	P. Atwood
42623.664	3997	+0.009	21	G. Samolyk
42721.692:	4026	-0.001:	12	T. Cragg
<u>V Sagittae</u> ¹⁰				
42665.763	9288	+0.004	13	T. Fetterman
42677.595	9311	+0.010	10	E. Mayer
42693.530	9342	+0.005	9	T. Fetterman
<u>V505 Sagittarii</u>				
42631.698	7707	-0.021	10	M. Baldwin
42689.656	7756	-0.024	15	W. Farrar

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>RW Tauri</u>				
42433.603	9114	-0.072	17	M. Baldwin
42469.602	9127	-0.068	13	K. Simmons
42469.605	9127	-0.065	13	R. Harvin
42682.802	9204	-0.069	16	G. Samolyk
42693.878	9208	-0.069	16	P. Atwood
42732.637	9222	-0.073	20	E. Mayer
42768.631	9235	-0.074	14	G. Samolyk
<u>HU Tauri</u>				
42385.737	8143	+0.026	11	R. Harvin
42683.901	8288	+0.026	18	G. Wedemayer
42751.772	8321	+0.040	16	M. Baldwin
<u>V Trianguli</u>				
42684.738	31118	+0.018	18	M. Baldwin
42688.835	31125	+0.018	17	M. Baldwin
42715.754	31171	+0.017	16	M. Baldwin
42722.777	31183	+0.019	13	M. Baldwin
42728.631	31193	+0.020	12	M. Baldwin
42745.599	31222	+0.018	14	M. Baldwin
<u>X Trianguli</u>				
42438.601	5009	-0.033	39	W. Farrar
42740.740	5320	-0.042	11	P. Atwood
42745.608	5325	-0.032	8	M. Baldwin
42776.697	5357	-0.033	16	T. Cragg
<u>RS Trianguli</u>				
42689.893	2488	+0.001	16	M. Baldwin
<u>RV Trianguli</u>				
42684.778	9202	-0.015	16	M. Baldwin
<u>W Ursae Majoris</u>				
42399.672	10811	-0.094	6	R. Harvin
42417.684	10865	-0.099	11	E. Halbach
42429.700	10901	-0.094	8	K. Simmons
42455.549	10978.5	-0.103	9	K. Simmons
42457.552	10984.5	-0.102	10	K. Simmons
42463.734	11003	-0.092	8	G. Samolyk
42469.567	11020.5	-0.098	8	R. Harvin
42469.577	11020.5	-0.088	10	K. Simmons
42471.569	11026.5	-0.098	10	K. Simmons
42473.562	11032.5	-0.107	9	R. Harvin
42473.572	11032.5	-0.097	10	K. Simmons
42474.564	11035.5	-0.106	5	R. Harvin
42477.569	11044.5	-0.104	9	R. Harvin
42478.564	11047.5	-0.110	7	R. Harvin
42478.733	11048	-0.107	7	R. Harvin
42480.741	11054	-0.101	7	R. Harvin
42486.587	11071.5	-0.094	13	R. Harvin
42488.747	11078	-0.103	12	P. Atwood
42491.750	11087	-0.103	7	R. Harvin
42491.923	11087.5	-0.096	10	R. Harvin
42492.589	11089.5	-0.098	9	E. Mayer
42497.571	11104.5	-0.121	10	R. Harvin
42508.602	11137.5	-0.099	13	R. Harvin
42508.768	11138	-0.100	10	R. Harvin
42515.765	11159	-0.110	11	R. Harvin
42518.608	11167.5	-0.103	9	R. Harvin
42581.820	11357	-0.117	13	G. Samolyk
42733.797	11812.5	-0.116	13	G. Samolyk

<u>J.D. hel.</u> 2,400,000+	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
<u>TX Ursae Majoris</u>				
42458.723	1066	-0.005	19	P. Atwood
42461.786	1067	-0.004	16	S. Thompson
42467.911	1069	-0.006	15	P. Atwood
42504.662	1081	-0.014	13	M. Baldwin
42507.718	1082	-0.021	20	G. Samolyk
42507.742	1082	+0.003	13	S. Thompson
42507.744	1082	+0.005	10	G. Wedemayer
<u>VV Ursae Majoris</u>				
42414.877	7370	+0.069	10	G. Wedemayer
42417.625	7374	+0.068	6	E. Halbach
42463.677	7441	+0.066	14	G. Samolyk
42487.730	7476	+0.061	9	G. Wedemayer
42507.664	7505	+0.061	8	G. Wedemayer
42507.667	7505	+0.064	13	G. Samolyk
42507.669	7505	+0.066	5	E. Mayer
42516.604	7518	+0.066	7	E. Mayer
42733.816	7834	+0.071	16	G. Samolyk
42777.801	7898	+0.064	16	D. Ruokonen
42777.809	7898	+0.072	10	G. Wedemayer
<u>XZ Ursae Majoris</u>				
42463.599	13154	-0.063	11	G. Samolyk
42469.707	13159	-0.067	13	K. Simmons
42469.709	13159	-0.065	12	R. Harvin
42474.601	13163	-0.062	12	R. Harvin
42480.708	13168	-0.067	7	R. Harvin
42485.595	13172	-0.069	13	G. Fortier
42486.822	13173	-0.065	11	G. Wedemayer
42486.823	13173	-0.064	11	G. Samolyk
42491.709	13177	-0.067	15	M. Baldwin
42491.717	13177	-0.058	15	R. Harvin
42507.592	13190	-0.074	14	G. Wedemayer
42507.598	13190	-0.068	17	E. Mayer
42518.597:	13199	-0.070:	8	R. Harvin
42518.602	13199	-0.064	21	W. Farrar
42529.600:	13208	-0.068:	7	E. Mayer
<u>RU Ursae Minoris</u>				
42414.687	30401	-0.018	11	G. Wedemayer
42422.575	30416	-0.004	9	M. Baldwin
42433.609	30437	+0.006	11	M. Baldwin
42465.610	30498	-0.013	20	M. Baldwin
42476.638	30519	-0.009	12	M. Baldwin
42477.690	30521	-0.007	14	M. Baldwin
42508.664	30580	-0.004	16	M. Baldwin
42509.701	30582	-0.016	14	M. Baldwin
42518.639	30599	-0.002	14	R. Harvin
42572.695	30702	-0.014	14	M. Baldwin
42583.732	30723	0.000	22	G. Samolyk
42739.620	31020	-0.015	17	D. Ruokonen
<u>AG Virginis</u>				
42473.639	10756	+0.024	10	K. Simmons
42478.773	10764	+0.017	6	R. Harvin
42480.675	10767	-0.009	11	R. Harvin
42491.613	10784	+0.004	8	R. Harvin
42518.616	10826	+0.016	10	R. Harvin
<u>BU Vulpeculae</u>				
42507.838	15772	+0.003	15	G. Samolyk
42572.706	15886	+0.005	10	M. Baldwin
42573.841	15888	+0.003	10	P. Atwood

<u>J.D. hel.</u>	<u>E</u>	<u>O - C</u>	<u>n</u>	<u>Observer</u>
2,400,000+				
<u>BU Vulpeculae</u>				
42577.820	15895	-0.002	10	G. Wedemayer
42581.807	15902	+0.003	10	G. Wedemayer
42581.808	15902	+0.004	12	P. Atwood
42581.811	15902	+0.007	17	G. Samolyk
42605.708	15944	+0.005	10	G. Wedemayer
42618.790	15967	+0.001	14	G. Samolyk
42634.731	15995	+0.010	18	W. Farrar
42658.622	16037	+0.004	8	M. Baldwin
42662.604	16044	+0.002	11	M. Baldwin
42691.627	16095	+0.007	18	E. Halbach
42724.633	16153	+0.012	14	M. Baldwin
42740.559	16181	+0.006	14	M. Baldwin

- ¹ Determined by combining portions of eclipses observed on JD 2442631 and JD 2442652.
- ² Time of minimum derived from three partial minima observed on JD 2442590, 2442600 and 2442634.
- ³ Photographically measured minimum.
- ⁴ Determined by combining portions of eclipses observed on JD 2442633 and JD 2442691.
- ⁵ Determined by combining portions of eclipses observed on JD 2442663 and JD 2442713.
- ⁶ Determined by combining portions of eclipses observed on JD 2442504 and JD 2442507.
- ⁷ Epoch numbers and O-C's are determined from elements given in the GCVS 1976 Supplement. In addition to the three minima listed in this report apparent secondary minima were observed by R. Harvin, JD 2442491.639 and JD 2442508.702 and by H. Carney, JD 2442536.654. It should be noted, however, that the writer observed AV Hya through the time of scheduled secondary minima on JD 2442491, 2442832 and 2442836 without detecting any appreciable depression in the light curve.
- ⁸ Determined by combining portions of eclipses observed on JD 2442404 and JD 2442422.
- ⁹ Determined by combining portions of eclipses observed on JD 2442631 and JD 2442637.
- ¹⁰ Epoch numbers and O-C's are determined from elements given in the 1969 GCVS remarks section.