

Visual Times of Maxima for Short Period Pulsating Stars V

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Abstract This compilation contains 503 times of maxima of 8 short period pulsating stars (primarily RR Lyrae type): RR Leo, SS Leo, TV Leo, WW Leo, SZ Lyn, RZ Lyr, AV Peg, RV UMA. These were reduced from a portion of the visual observations made from 1966 to 2014 that are included in the AAVSO International Database.

1. Observations

This is the fifth in a series of papers to publish of times of maxima derived from visual observations reported to the AAVSO International Database as part of the RR Lyr committee legacy program. The goal of this project is to fill some historical gaps in the O–C history for these stars. This list contains times of maxima for RR Lyr stars located in the constellations Leo, Lynx, Lyra, Pegasus, and Ursa Major. This list will be web-archived and made available through the AAVSO ftp site at <ftp://ftp.aavso.org/public/datasets/gsamj471vismax5.txt>.

These observations were reduced by the writer using the PERANSO program (Vanmunster 2007). The linear elements in the *General Catalogue of Variable Stars* (Kholopov *et al.* 1985) were used to compute the O–C values for all stars.

Figures 1, 2, and 3 are O–C plots for three of the stars included in Table 1. These plots include the visual times of maxima listed in this paper plus more recent times of maxima observed with CCDs. The circled CCD times of maxima on

the plots were previously published in *JAAVSO* (Samolyk 2010–2018).

References

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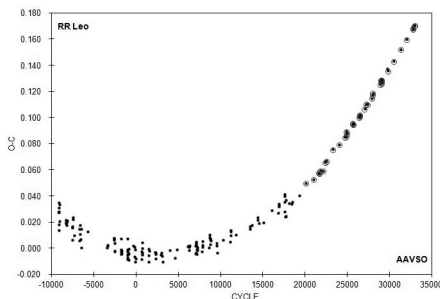


Figure 1. O–C plot for RR Leo. The fundamental period of this star has been increasing since 1966.

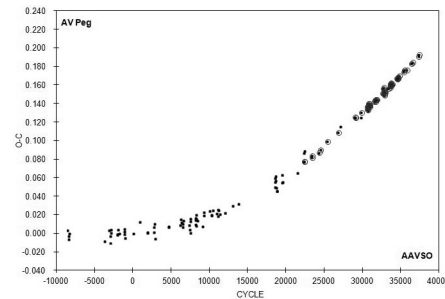


Figure 3. O–C plot for AV Peg. The fundamental period of this star has been increasing since 1969.

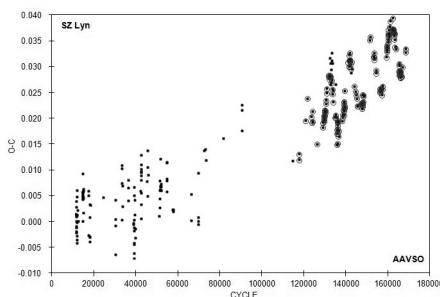


Figure 2. O–C plot for SZ Lyn. The fundamental period of this star increased in 1973. SZ Lyn is part of a binary system with an orbital period of about 3.3 years. The oscillation in O–C is caused by the changing light travel time due to this orbit.

Table 1. Recent times of minima of stars in the AAVSO short period pulsator program.

<i>Star</i>	<i>JD (max) Hel. 2400000+</i>	<i>Cycle</i>	<i>O-C (day)</i>	<i>Observer</i>	<i>Error (day)</i>	<i>Star</i>	<i>JD (max) Hel. 2400000+</i>	<i>Cycle</i>	<i>O-C (day)</i>	<i>Observer</i>	<i>Error (day)</i>
RR Leo	39144.721	-9175	0.028	M. Baldwin	0.003	RR Leo	43967.653	1486	-0.005	M. Baldwin	0.004
RR Leo	39148.793	-9166	0.028	M. Baldwin	0.006	RR Leo	43981.682	1517	-0.001	M. Baldwin	0.005
RR Leo	39168.698	-9122	0.028	M. Baldwin	0.004	RR Leo	43984.839	1524	-0.010	G. E. Underhay	0.005
RR Leo	39169.606	-9120	0.031	M. Baldwin	0.005	RR Leo	44010.634	1581	-0.002	M. Baldwin	0.004
RR Leo	39173.665	-9111	0.018	M. Baldwin	0.004	RR Leo	44314.641	2253	-0.003	M. Baldwin	0.005
RR Leo	39174.565	-9109	0.014	M. Baldwin	0.005	RR Leo	44341.780	2313	-0.008	G. E. Underhay	0.005
RR Leo	39178.658	-9100	0.035	M. Baldwin	0.005	RR Leo	44342.688	2315	-0.004	M. Baldwin	0.003
RR Leo	39182.715	-9091	0.020	M. Baldwin	0.005	RR Leo	44351.737	2335	-0.003	M. Baldwin	0.003
RR Leo	39197.657	-9058	0.034	M. Baldwin	0.004	RR Leo	44630.862	2952	-0.005	G. Hanson	0.003
RR Leo	39528.797	-8326	0.022	M. Baldwin	0.003	RR Leo	44640.816	2974	-0.004	G. Hanson	0.003
RR Leo	39530.604	-8322	0.019	M. Baldwin	0.008	RR Leo	44704.601	3115	-0.006	M. Baldwin	0.004
RR Leo	39534.676	-8313	0.020	M. Baldwin	0.003	RR Leo	44717.716	3144	-0.011	G. E. Underhay	0.006
RR Leo	39558.653	-8260	0.020	M. Baldwin	0.003	RR Leo	45084.616	3955	-0.002	G. Chaple	0.004
RR Leo	39567.699	-8240	0.018	M. Baldwin	0.002	RR Leo	45378.666	4605	-0.007	G. Chaple	0.003
RR Leo	39595.751	-8178	0.021	M. Baldwin	0.003	RR Leo	45464.627	4795	-0.001	M. Baldwin	0.003
RR Leo	39890.706	-7526	0.016	M. Baldwin	0.004	RR Leo	46057.717	6106	0.002	M. Baldwin	0.007
RR Leo	39894.768	-7517	0.006	M. Baldwin	0.004	RR Leo	46114.719	6232	0.002	M. Baldwin	0.004
RR Leo	39895.683	-7515	0.017	M. Baldwin	0.005	RR Leo	46142.764	6294	-0.001	M. Baldwin	0.005
RR Leo	39917.856	-7466	0.022	M. Baldwin	0.004	RR Leo	46143.671	6296	0.001	M. Baldwin	0.005
RR Leo	39918.762	-7464	0.024	M. Baldwin	0.004	RR Leo	46181.673	6380	0.002	M. Baldwin	0.004
RR Leo	39975.750	-7338	0.010	M. Baldwin	0.005	RR Leo	46490.652	7063	-0.004	M. Baldwin	0.004
RR Leo	40270.715	-6686	0.015	M. Baldwin	0.005	RR Leo	46490.658	7063	0.002	M. Heifner	0.005
RR Leo	40274.778	-6677	0.006	L. Hazel	0.004	RR Leo	46495.629	7074	-0.003	M. Heifner	0.003
RR Leo	40280.671	-6664	0.018	M. Baldwin	0.008	RR Leo	46514.636	7116	0.003	M. Baldwin	0.004
RR Leo	40294.688	-6633	0.011	M. Baldwin	0.003	RR Leo	46518.709	7125	0.005	M. Baldwin	0.002
RR Leo	40327.709	-6560	0.007	M. Baldwin	0.004	RR Leo	46523.685	7136	0.004	M. Baldwin	0.006
RR Leo	40347.608	-6516	0.001	L. Hazel	0.004	RR Leo	46527.751	7145	-0.001	M. Baldwin	0.005
RR Leo	40350.789	-6509	0.015	T. Cragg	0.004	RR Leo	46531.819	7154	-0.005	M. Baldwin	0.006
RR Leo	40702.749	-5731	0.013	T. Cragg	0.003	RR Leo	46532.730	7156	0.002	M. Baldwin	0.002
RR Leo	41751.384	-3413	0.000	M. Baldwin	0.004	RR Leo	46561.680	7220	-0.002	R. Hill	0.004
RR Leo	41765.410	-3382	0.002	M. Baldwin	0.003	RR Leo	46570.730	7240	0.001	R. Hill	0.004
RR Leo	41766.315	-3380	0.002	M. Baldwin	0.004	RR Leo	46831.758	7817	-0.002	M. Baldwin	0.002
RR Leo	42105.615	-2630	0.007	M. Baldwin	0.003	RR Leo	46850.762	7859	0.001	M. Baldwin	0.003
RR Leo	42124.616	-2588	0.008	M. Baldwin	0.005	RR Leo	46852.576	7863	0.005	M. Baldwin	0.005
RR Leo	42129.591	-2577	0.007	M. Baldwin	0.004	RR Leo	46860.716	7881	0.002	M. Baldwin	0.005
RR Leo	42148.589	-2535	0.004	M. Baldwin	0.004	RR Leo	47198.652	8628	0.001	M. Baldwin	0.004
RR Leo	42157.631	-2515	-0.002	M. Baldwin	0.005	RR Leo	47227.615	8692	0.010	M. Baldwin	0.005
RR Leo	42160.797	-2508	-0.003	G. E. Underhay	0.006	RR Leo	47241.637	8723	0.008	M. Baldwin	0.008
RR Leo	42489.697	-1781	0.007	M. Baldwin	0.003	RR Leo	47255.660	8754	0.007	M. Baldwin	0.007
RR Leo	42504.616	-1748	-0.003	M. Baldwin	0.002	RR Leo	47264.708	8774	0.007	M. Baldwin	0.003
RR Leo	42507.781	-1741	-0.004	M. Baldwin	0.003	RR Leo	47278.728	8805	0.003	R. Hill	0.005
RR Leo	42508.689	-1739	-0.001	M. Baldwin	0.004	RR Leo	47293.660	8838	0.006	M. Baldwin	0.004
RR Leo	42509.593	-1737	-0.002	M. Baldwin	0.005	RR Leo	47597.666	9510	0.004	M. Baldwin	0.003
RR Leo	42541.711	-1666	-0.004	T. Cragg	0.005	RR Leo	47621.641	9563	0.002	M. Baldwin	0.004
RR Leo	42832.601	-1023	-0.003	M. Baldwin	0.003	RR Leo	47640.636	9605	-0.004	G. Samolyk	0.004
RR Leo	42835.778	-1016	0.008	M. Baldwin	0.008	RR Leo	47948.726	10286	0.007	M. Baldwin	0.004
RR Leo	42836.674	-1014	-0.001	M. Baldwin	0.003	RR Leo	48318.782	11104	0.005	R. Hill	0.006
RR Leo	42837.573	-1012	-0.007	M. Baldwin	0.003	RR Leo	48348.648	11170	0.013	G. Samolyk	0.004
RR Leo	42844.810	-996	-0.008	M. Baldwin	0.004	RR Leo	48357.693	11190	0.010	M. Baldwin	0.004
RR Leo	42845.718	-994	-0.005	M. Baldwin	0.006	RR Leo	48362.673	11201	0.014	M. Baldwin	0.005
RR Leo	42874.672	-930	-0.004	M. Baldwin	0.003	RR Leo	48636.820	11807	0.010	R. Hill	0.005
RR Leo	42898.644	-877	-0.009	M. Baldwin	0.004	RR Leo	49389.609	13471	0.017	M. Baldwin	0.008
RR Leo	42903.629	-866	0.000	M. Baldwin	0.003	RR Leo	49398.655	13491	0.015	M. Baldwin	0.003
RR Leo	42908.602	-855	-0.004	M. Baldwin	0.004	RR Leo	49488.684	13690	0.018	M. Baldwin	0.004
RR Leo	43144.757	-333	0.002	M. Baldwin	0.004	RR Leo	49801.746	14382	0.024	M. Baldwin	0.004
RR Leo	43211.703	-185	-0.006	M. Baldwin	0.003	RR Leo	49802.649	14384	0.022	M. Baldwin	0.006
RR Leo	43226.639	-152	0.001	M. Baldwin	0.005	RR Leo	49866.434	14525	0.019	R. Papini	0.003
RR Leo	43244.733	-112	-0.001	M. Baldwin	0.004	RR Leo	50123.846	15094	0.020	R. Hill	0.004
RR Leo	43248.795	-103	-0.010	G. E. Underhay	0.007	RR Leo	50548.653	16033	0.029	M. Baldwin	0.003
RR Leo	43277.751	-39	-0.008	G. E. Underhay	0.005	RR Leo	50914.637	16842	0.027	G. Chaple	0.006
RR Leo	43578.592	626	-0.008	M. Baldwin	0.004	RR Leo	50923.691	16862	0.033	M. Baldwin	0.004
RR Leo	43606.646	688	-0.003	M. Baldwin	0.004	RR Leo	50928.666	16873	0.032	M. Baldwin	0.004
RR Leo	43610.715	697	-0.005	M. Baldwin	0.003	RR Leo	50952.645	16926	0.034	M. Baldwin	0.003
RR Leo	43625.649	730	0.000	M. Baldwin	0.004	RR Leo	51256.655	17598	0.036	M. Baldwin	0.004
RR Leo	43630.630	741	0.005	M. Baldwin	0.004	RR Leo	51256.659	17598	0.040	R. Berg	0.005
RR Leo	43639.670	761	-0.003	M. Baldwin	0.006	RR Leo	51259.814	17605	0.028	M. Baldwin	0.003

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO short period pulsator program, cont.

<i>Star</i>	<i>JD (max) Hel. 2400000+</i>	<i>Cycle</i>	<i>O-C (day)</i>	<i>Observer</i>	<i>Error (day)</i>	<i>Star</i>	<i>JD (max) Hel. 2400000+</i>	<i>Cycle</i>	<i>O-C (day)</i>	<i>Observer</i>	<i>Error (day)</i>
RR Leo	51261.637	17609	0.041	R. Berg	0.006	WW Leo	43245.675	13873	0.009	M. Baldwin	0.004
RR Leo	51275.644	17640	0.024	M. Baldwin	0.003	WW Leo	43626.640	14505	-0.025	M. Baldwin	0.003
RR Leo	51298.729	17691	0.037	R. Berg	0.004	WW Leo	44696.703	16280	-0.012	M. Baldwin	0.005
RR Leo	51308.669	17713	0.024	M. Baldwin	0.003	WW Leo	46114.611	18632	0.004	M. Baldwin	0.004
RR Leo	51501.851	18140	0.035	M. Baldwin	0.003	WW Leo	46143.561	18680	0.017	M. Baldwin	0.008
RR Leo	51611.782	18383	0.034	R. Berg	0.007	WW Leo	46495.629	19264	0.024	M. Heifner	0.002
RR Leo	51669.690	18511	0.036	R. Berg	0.004	WW Leo	47231.680	20485	0.001	M. Baldwin	0.004
RR Leo	52049.705	19351	0.040	R. Berg	0.005	WW Leo	47260.622	20533	0.006	M. Baldwin	0.003
RR Leo	54585.417	24956	0.088	S. Swierczynski	0.006	WW Leo	47266.645	20543	0.001	M. Baldwin	0.005
RR Leo	56748.359	29737	0.137	M. Rzepka	0.006	WW Leo	47557.823	21026	0.004	M. Baldwin	0.004
SS Leo	46142.650	6963	0.007	M. Baldwin	0.004	WW Leo	47586.740	21074	-0.015	M. Baldwin	0.005
SS Leo	46888.623	8154	0.004	M. Baldwin	0.008	WW Leo	47594.610	21087	0.018	M. Baldwin	0.005
SS Leo	47260.683	8748	0.016	M. Baldwin	0.008	WW Leo	47597.611	21092	0.005	M. Baldwin	0.004
SS Leo	47270.692	8764	0.003	M. Baldwin	0.006	WW Leo	47644.631	21170	0.003	M. Baldwin	0.008
SS Leo	47615.806	9315	0.002	R. Hill	0.005	WW Leo	47650.652	21180	-0.005	M. Baldwin	0.005
SS Leo	47674.683	9409	0.002	M. Baldwin	0.005	WW Leo	47914.720	21618	0.017	M. Baldwin	0.008
SS Leo	47999.753	9928	0.000	M. Baldwin	0.005	WW Leo	47940.620	21661	-0.005	M. Baldwin	0.003
SS Leo	48004.761	9936	-0.003	M. Baldwin	0.004	WW Leo	47943.637	21666	-0.003	M. Baldwin	0.004
SS Leo	48683.724	11020	0.003	M. Baldwin	0.005	WW Leo	47955.721	21686	0.024	M. Baldwin	0.006
SS Leo	48718.789	11076	-0.007	M. Baldwin	0.004	WW Leo	47976.805	21721	0.009	M. Baldwin	0.008
SS Leo	48745.729	11119	0.000	M. Baldwin	0.004	WW Leo	47999.703	21759	-0.001	M. Baldwin	0.006
SS Leo	49134.698	11740	0.009	M. Baldwin	0.008	WW Leo	48673.683	22877	-0.002	M. Baldwin	0.005
SS Leo	49801.736	12805	-0.009	M. Baldwin	0.005	WW Leo	48682.722	22892	-0.006	M. Baldwin	0.004
SS Leo	49843.713	12872	0.003	M. Baldwin	0.005	WW Leo	49095.682	23577	0.005	M. Baldwin	0.004
SS Leo	50190.689	13426	-0.016	M. Baldwin	0.004	WW Leo	49423.629	24121	0.004	M. Baldwin	0.003
SS Leo	50222.646	13477	-0.002	M. Baldwin	0.003	WW Leo	49450.773	24166	0.020	M. Baldwin	0.008
SS Leo	50545.824	13993	-0.018	M. Baldwin	0.003	WW Leo	49743.741	24652	0.005	M. Baldwin	0.007
SS Leo	50564.633	14023	0.001	M. Baldwin	0.004	WW Leo	49778.694	24710	-0.007	M. Baldwin	0.004
SS Leo	50579.655	14047	-0.010	M. Baldwin	0.004	WW Leo	49787.741	24725	-0.002	M. Baldwin	0.004
SS Leo	51259.857	15133	-0.017	M. Baldwin	0.004	WW Leo	49810.650	24763	-0.001	M. Baldwin	0.006
TV Leo	39173.678	3169	0.018	M. Baldwin	0.007	WW Leo	49813.675	24768	0.009	M. Baldwin	0.004
TV Leo	39917.838	4275	0.003	M. Baldwin	0.007	WW Leo	50138.616	25307	0.017	M. Baldwin	0.003
TV Leo	41801.805	7075	-0.017	T. Cragg	0.004	WW Leo	50153.671	25332	0.001	M. Baldwin	0.004
TV Leo	46532.681	14106	0.032	M. Baldwin	0.006	WW Leo	50165.733	25352	0.006	M. Baldwin	0.002
TV Leo	46534.678	14109	0.011	M. Baldwin	0.005	WW Leo	50191.662	25395	0.012	M. Baldwin	0.005
TV Leo	47231.765	15145	0.022	M. Baldwin	0.006	WW Leo	50514.773	25931	-0.002	M. Baldwin	0.005
TV Leo	47976.633	16252	0.043	M. Baldwin	0.006	WW Leo	50540.697	25974	0.000	M. Baldwin	0.004
TV Leo	47978.640	16255	0.031	M. Baldwin	0.005	WW Leo	50546.723	25984	-0.002	M. Baldwin	0.006
TV Leo	48379.665	16851	0.036	M. Baldwin	0.004	WW Leo	52310.672	28910	0.021	M. Baldwin	0.003
TV Leo	48741.669	17389	0.045	M. Baldwin	0.005	WW Leo	52319.724	28925	0.031	M. Baldwin	0.003
TV Leo	48743.693	17392	0.051	M. Baldwin	0.008	WW Leo	52380.595	29026	0.014	M. Baldwin	0.004
TV Leo	48745.712	17395	0.051	M. Baldwin	0.006	SZ Lyn	39495.605	11376	0.002	M. Baldwin	0.003
TV Leo	49018.891	17801	0.052	M. Baldwin	0.005	SZ Lyn	39495.725	11377	0.001	M. Baldwin	0.002
TV Leo	49835.740	19015	0.058	M. Baldwin	0.004	SZ Lyn	39499.579	11409	-0.002	M. Baldwin	0.001
TV Leo	50158.723	19495	0.072	M. Baldwin	0.005	SZ Lyn	39500.665	11418	-0.001	M. Baldwin	0.002
TV Leo	50191.682	19544	0.061	M. Baldwin	0.004	SZ Lyn	39505.606	11459	-0.002	M. Baldwin	0.001
TV Leo	50553.687	20082	0.071	M. Baldwin	0.003	SZ Lyn	39506.571	11467	-0.001	M. Baldwin	0.001
TV Leo	50896.824	20592	0.053	R. Hill	0.006	SZ Lyn	39526.581	11633	0.000	M. Baldwin	0.002
WW Leo	39168.617	7110	-0.007	M. Baldwin	0.004	SZ Lyn	39528.634	11650	0.004	M. Baldwin	0.004
WW Leo	39171.630	7115	-0.008	M. Baldwin	0.006	SZ Lyn	39530.682	11667	0.003	M. Baldwin	0.003
WW Leo	39174.652	7120	0.000	M. Baldwin	0.006	SZ Lyn	39533.578	11691	0.006	M. Baldwin	0.003
WW Leo	39180.673	7130	-0.008	M. Baldwin	0.007	SZ Lyn	39533.689	11692	-0.004	M. Baldwin	0.001
WW Leo	39532.715	7714	-0.027	M. Baldwin	0.008	SZ Lyn	39534.654	11700	-0.003	M. Baldwin	0.002
WW Leo	39558.666	7757	0.001	M. Baldwin	0.005	SZ Lyn	39537.670	11725	0.000	M. Baldwin	0.001
WW Leo	39567.683	7772	-0.024	M. Baldwin	0.004	SZ Lyn	39556.590	11882	-0.004	M. Baldwin	0.001
WW Leo	39916.745	8351	-0.010	M. Baldwin	0.003	SZ Lyn	39556.716	11883	0.001	M. Baldwin	0.001
WW Leo	40294.729	8978	-0.010	M. Baldwin	0.004	SZ Lyn	39558.648	11899	0.005	M. Baldwin	0.001
WW Leo	42477.630	12599	-0.012	M. Baldwin	0.004	SZ Lyn	39558.765	11900	0.001	M. Baldwin	0.004
WW Leo	42509.588	12652	-0.004	M. Baldwin	0.004	SZ Lyn	39598.663	12231	0.002	M. Baldwin	0.002
WW Leo	42832.716	13188	-0.001	M. Baldwin	0.005	SZ Lyn	39612.643	12347	0.000	M. Baldwin	0.002
WW Leo	42835.735	13193	0.003	M. Baldwin	0.005	SZ Lyn	39884.695	14604	0.005	M. Baldwin	0.002
WW Leo	42844.779	13208	0.005	M. Baldwin	0.004	SZ Lyn	39886.628	14620	0.009	M. Baldwin	0.003
WW Leo	42861.651	13236	-0.003	M. Baldwin	0.004	SZ Lyn	39886.745	14621	0.006	M. Baldwin	0.003
WW Leo	42873.707	13256	-0.004	M. Baldwin	0.005	SZ Lyn	39890.717	14654	0.000	M. Baldwin	0.004
WW Leo	43219.739	13830	-0.005	M. Baldwin	0.004	SZ Lyn	39892.650	14670	0.004	M. Baldwin	0.003
WW Leo	43242.636	13868	-0.016	M. Baldwin	0.004	SZ Lyn	39892.771	14671	0.005	M. Baldwin	0.005

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO short period pulsator program, cont.

<i>Star</i>	<i>JD (max)</i> <i>Hel.</i> <i>2400000+</i>	<i>Cycle</i>	<i>O-C</i> <i>(day)</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>	<i>Star</i>	<i>JD (max)</i> <i>Hel.</i> <i>2400000+</i>	<i>Cycle</i>	<i>O-C</i> <i>(day)</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>
SZ Lyn	39893.736	14679	0.006	M. Baldwin	0.003	SZ Lyn	44314.718	51357	0.008	M. Baldwin	0.005
SZ Lyn	39894.700	14687	0.005	M. Baldwin	0.001	SZ Lyn	44317.609	51381	0.006	M. Baldwin	0.003
SZ Lyn	39895.664	14695	0.005	M. Baldwin	0.003	SZ Lyn	44340.632	51572	0.007	M. Baldwin	0.007
SZ Lyn	39896.629	14703	0.006	M. Baldwin	0.001	SZ Lyn	44351.600	51663	0.006	M. Baldwin	0.003
SZ Lyn	39896.748	14704	0.004	M. Baldwin	0.002	SZ Lyn	44351.721	51664	0.007	M. Baldwin	0.004
SZ Lyn	39907.717	14795	0.005	M. Baldwin	0.004	SZ Lyn	44353.655	51680	0.012	M. Baldwin	0.002
SZ Lyn	39912.656	14836	0.002	M. Baldwin	0.004	SZ Lyn	44367.631	51796	0.006	M. Baldwin	0.003
SZ Lyn	39915.674	14861	0.006	M. Baldwin	0.005	SZ Lyn	44368.596	51804	0.007	M. Baldwin	0.005
SZ Lyn	39918.687	14886	0.006	M. Baldwin	0.002	SZ Lyn	44373.659	51846	0.007	M. Baldwin	0.004
SZ Lyn	40208.694	17292	0.006	M. Baldwin	0.001	SZ Lyn	44374.622	51854	0.006	M. Baldwin	0.002
SZ Lyn	40208.806	17293	-0.003	M. Baldwin	0.003	SZ Lyn	44701.633	54567	0.006	M. Baldwin	0.004
SZ Lyn	40211.827	17318	0.005	M. Baldwin	0.002	SZ Lyn	44701.756	54568	0.008	M. Baldwin	0.002
SZ Lyn	40278.716	17873	-0.003	M. Baldwin	0.003	SZ Lyn	44702.603	54575	0.012	M. Baldwin	0.001
SZ Lyn	40292.697	17989	-0.004	M. Baldwin	0.002	SZ Lyn	44702.720	54576	0.008	M. Baldwin	0.001
SZ Lyn	40293.666	17997	0.001	M. Baldwin	0.003	SZ Lyn	44704.652	54592	0.011	M. Baldwin	0.003
SZ Lyn	40293.789	17998	0.003	M. Baldwin	0.002	SZ Lyn	45029.605	57288	0.002	G. Chaple	0.002
SZ Lyn	40294.747	18006	-0.003	M. Baldwin	0.003	SZ Lyn	45058.654	57529	0.002	G. Chaple	0.003
SZ Lyn	40321.753	18230	0.003	M. Baldwin	0.001	SZ Lyn	45082.640	57728	0.002	G. Chaple	0.004
SZ Lyn	41065.696	24402	0.005	P. Atwood	0.002	SZ Lyn	46123.583	66364	0.005	M. Baldwin	0.002
SZ Lyn	41765.397	30207	0.000	M. Baldwin	0.001	SZ Lyn	46125.627	66381	0.000	M. Baldwin	0.004
SZ Lyn	41766.360	30215	-0.001	M. Baldwin	0.002	SZ Lyn	46501.576	69500	0.001	M. Baldwin	0.004
SZ Lyn	41766.475	30216	-0.006	M. Baldwin	0.001	SZ Lyn	46511.579	69583	-0.001	M. Baldwin	0.003
SZ Lyn	41773.356	30273	0.004	M. Baldwin	0.005	SZ Lyn	46514.593	69608	0.000	M. Baldwin	0.001
SZ Lyn	42124.591	33187	0.000	M. Baldwin	0.003	SZ Lyn	46518.580	69641	0.009	M. Baldwin	0.001
SZ Lyn	42129.540	33228	0.007	M. Baldwin	0.002	SZ Lyn	46862.591	72495	0.014	M. Baldwin	0.002
SZ Lyn	42129.664	33229	0.011	M. Baldwin	0.002	SZ Lyn	46911.649	72902	0.014	M. Baldwin	0.002
SZ Lyn	42133.641	33262	0.010	M. Baldwin	0.003	SZ Lyn	46939.611	73134	0.012	M. Baldwin	0.001
SZ Lyn	42148.580	33386	0.003	M. Baldwin	0.002	SZ Lyn	47948.613	81505	0.016	M. Baldwin	0.002
SZ Lyn	42155.575	33444	0.007	M. Baldwin	0.003	SZ Lyn	49013.420	90339	0.018	M. Martignoni	0.003
SZ Lyn	42491.626	36232	0.007	M. Baldwin	0.001	SZ Lyn	49020.415	90397	0.022	M. Martignoni	0.004
SZ Lyn	42491.748	36233	0.008	M. Baldwin	0.003	SZ Lyn	49032.590	90498	0.023	M. Martignoni	0.005
SZ Lyn	42508.619	36373	0.004	M. Baldwin	0.003	SZ Lyn	51943.377	114647	0.012	S. Foglia	0.005
SZ Lyn	42782.711	38647	0.000	M. Baldwin	0.003	SZ Lyn	54064.691	132246	0.032	R. Harvan	0.002
SZ Lyn	42802.599	38812	-0.001	M. Baldwin	0.002	SZ Lyn	54111.578	132635	0.031	R. Harvan	0.002
SZ Lyn	42828.631	39028	-0.004	M. Baldwin	0.002	SZ Lyn	54118.565	132693	0.027	R. Harvan	0.003
SZ Lyn	42832.611	39061	-0.002	M. Baldwin	0.003	SZ Lyn	54148.581	132942	0.029	R. Harvan	0.001
SZ Lyn	42832.740	39062	0.007	M. Baldwin	0.003	SZ Lyn	54168.593	133108	0.033	R. Harvan	0.001
SZ Lyn	42835.619	39086	-0.007	M. Baldwin	0.002	SZ Lyn	54178.596	133191	0.031	R. Harvan	0.001
SZ Lyn	42835.747	39087	0.000	M. Baldwin	0.002	SZ Lyn	54211.622	133465	0.031	R. Harvan	0.001
SZ Lyn	42836.586	39094	-0.004	M. Baldwin	0.003	SZ Lyn	54234.639	133656	0.025	R. Harvan	0.002
SZ Lyn	42837.674	39103	-0.001	M. Baldwin	0.002	SZ Lyn	54394.831	134985	0.027	R. Harvan	0.001
SZ Lyn	42842.611	39144	-0.006	M. Baldwin	0.002	SZ Lyn	55286.430	142382	0.029	J. Starzomski	0.006
SZ Lyn	42843.707	39153	0.005	M. Baldwin	0.001	RZ Lyr	45645.566	8728	0.017	M. Heifner	0.004
SZ Lyn	42861.663	39302	0.001	M. Baldwin	0.005	RZ Lyr	47677.756	12703	0.019	R. Hill	0.006
SZ Lyn	42863.715	39319	0.004	M. Baldwin	0.003	RZ Lyr	47678.774	12705	0.015	R. Hill	0.005
SZ Lyn	42886.611	39509	-0.001	M. Baldwin	0.004	RZ Lyr	49991.626	17229	0.006	R. Hill	0.006
SZ Lyn	42887.694	39518	-0.003	M. Baldwin	0.003	RZ Lyr	49993.659	17233	-0.006	R. Hill	0.005
SZ Lyn	43211.701	42206	0.006	M. Baldwin	0.002	RZ Lyr	49996.736	17239	0.004	R. Hill	0.007
SZ Lyn	43219.660	42272	0.010	M. Baldwin	0.003	RZ Lyr	52539.642	22213	-0.009	R. Berg	0.004
SZ Lyn	43223.637	42305	0.009	M. Baldwin	0.002	RZ Lyr	52541.684	22217	-0.012	R. Hill	0.006
SZ Lyn	43226.642	42330	0.001	M. Baldwin	0.002	RZ Lyr	52543.728	22221	-0.013	R. Hill	0.006
SZ Lyn	43228.578	42346	0.008	M. Baldwin	0.001	RZ Lyr	52543.732	22221	-0.009	R. Hill	0.007
SZ Lyn	43228.696	42347	0.006	M. Baldwin	0.001	RZ Lyr	52794.750	22712	-0.011	R. Hill	0.008
SZ Lyn	43241.591	42454	0.003	M. Baldwin	0.003	RZ Lyr	52796.795	22716	-0.011	R. Hill	0.007
SZ Lyn	43243.647	42471	0.010	M. Baldwin	0.006	RZ Lyr	54003.324	25076	-0.014	S. Swierczynski	0.004
SZ Lyn	43244.614	42479	0.013	M. Baldwin	0.004	RZ Lyr	54004.357	25078	-0.003	S. Swierczynski	0.005
SZ Lyn	43245.697	42488	0.011	M. Baldwin	0.002	RZ Lyr	54005.375	25080	-0.008	S. Swierczynski	0.002
SZ Lyn	43247.624	42504	0.010	M. Baldwin	0.003	RZ Lyr	54271.743	25601	0.003	P. Soron	0.004
SZ Lyn	43548.598	45001	0.008	M. Baldwin	0.001	RZ Lyr	54274.813	25607	0.005	P. Soron	0.007
SZ Lyn	43600.675	45433	0.014	M. Baldwin	0.005	RZ Lyr	54356.603	25767	-0.003	R. Harvan	0.002
SZ Lyn	43606.578	45482	0.011	M. Baldwin	0.002	AV Peg	40471.744	-8501	0.003	M. Baldwin	0.006
SZ Lyn	43606.693	45483	0.005	M. Baldwin	0.005	AV Peg	40512.727	-8396	-0.003	M. Baldwin	0.003
SZ Lyn	43625.621	45640	0.009	M. Baldwin	0.002	AV Peg	40520.531	-8376	-0.007	L. Hazel	0.008
SZ Lyn	44253.600	50850	0.001	M. Baldwin	0.004	AV Peg	40562.698	-8268	0.000	M. Baldwin	0.003
SZ Lyn	44313.628	51348	0.003	M. Baldwin	0.004	AV Peg	42343.579	-3706	-0.008	M. Baldwin	0.003
SZ Lyn	44314.594	51356	0.004	M. Baldwin	0.003	AV Peg	42570.789	-3124	0.004	M. Baldwin	0.005

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Table 1. Recent times of minima of stars in the AAVSO short period pulsator program, cont.

<i>Star</i>	<i>JD (max) Hel. 2400000+</i>	<i>Cycle</i>	<i>O-C (day)</i>	<i>Observer</i>	<i>Error (day)</i>	<i>Star</i>	<i>JD (max) Hel. 2400000+</i>	<i>Cycle</i>	<i>O-C (day)</i>	<i>Observer</i>	<i>Error (day)</i>
AV Peg	42631.681	-2968	-0.003	M. Baldwin	0.004	AV Peg	49194.695	13844	0.032	M. Baldwin	0.003
AV Peg	42652.754	-2914	-0.010	M. Baldwin	0.006	AV Peg	51037.672	18565	0.050	R. Berg	0.005
AV Peg	42663.699	-2886	0.004	M. Baldwin	0.004	AV Peg	51047.832	18591	0.060	M. Baldwin	0.003
AV Peg	42692.583	-2812	0.001	M. Baldwin	0.004	AV Peg	51058.758	18619	0.055	R. Berg	0.004
AV Peg	42994.732	-2038	0.000	M. Baldwin	0.003	AV Peg	51067.738	18642	0.057	R. Berg	0.005
AV Peg	43021.667	-1969	-0.001	M. Baldwin	0.004	AV Peg	51085.700	18688	0.062	R. Berg	0.005
AV Peg	43028.699	-1951	0.004	M. Baldwin	0.003	AV Peg	51110.672	18752	0.050	R. Berg	0.005
AV Peg	43096.620	-1777	0.000	M. Baldwin	0.003	AV Peg	51132.529	18808	0.046	R. Berg	0.006
AV Peg	43350.756	-1126	0.002	M. Baldwin	0.004	AV Peg	51144.631	18839	0.046	R. Berg	0.006
AV Peg	43357.780	-1108	-0.001	M. Baldwin	0.005	AV Peg	51418.683	19541	0.055	R. Berg	0.007
AV Peg	43375.743	-1062	0.005	M. Baldwin	0.005	AV Peg	51420.643	19546	0.063	R. Berg	0.007
AV Peg	43404.621	-988	-0.005	M. Baldwin	0.003	AV Peg	51436.641	19587	0.056	R. Berg	0.008
AV Peg	43817.642	70	0.000	M. Baldwin	0.004	AV Peg	52200.614	21544	0.065	R. Berg	0.006
AV Peg	44141.666	900	0.013	M. Baldwin	0.002	AV Peg	52513.716	22346	0.087	R. Berg	0.008
AV Peg	44546.473	1937	0.001	B. Wingate	0.004	AV Peg	52540.654	22415	0.089	R. Berg	0.005
AV Peg	44554.670	1958	0.000	M. Heifner	0.001	AV Peg	54388.714	27149	0.115	P. Soron	0.002
AV Peg	44871.655	2770	0.001	M. Baldwin	0.003	AV Peg	55422.436	29797	0.125	J. Starzomski	0.005
AV Peg	44874.784	2778	0.007	L. Cook	0.003	RV UMa	44630.856	-950	0.002	G. Hanson	0.003
AV Peg	44896.648	2834	0.010	M. Heifner	0.002	RV UMa	46193.710	2389	0.004	M. Baldwin	0.004
AV Peg	44946.600	2962	-0.006	M. Heifner	0.002	RV UMa	46273.755	2560	0.010	M. Baldwin	0.005
AV Peg	45608.689	4658	0.008	M. Heifner	0.003	RV UMa	46274.689	2562	0.008	M. Baldwin	0.006
AV Peg	45633.672	4722	0.007	M. Heifner	0.003	RV UMa	46531.652	3111	0.006	M. Baldwin	0.004
AV Peg	46211.819	6203	0.009	M. Baldwin	0.005	RV UMa	46553.652	3158	0.008	M. Baldwin	0.003
AV Peg	46254.767	6313	0.016	M. Baldwin	0.005	RV UMa	46560.678	3173	0.013	M. Baldwin	0.003
AV Peg	46263.742	6336	0.012	M. Baldwin	0.006	RV UMa	46612.622	3284	0.002	G. Chaple	0.005
AV Peg	46329.714	6505	0.011	M. Baldwin	0.004	RV UMa	46850.860	3793	-0.003	M. Baldwin	0.006
AV Peg	46354.694	6569	0.007	M. Baldwin	0.004	RV UMa	46858.820	3810	0.000	M. Baldwin	0.006
AV Peg	46365.632	6597	0.014	M. Heifner	0.003	RV UMa	46861.647	3816	0.019	M. Baldwin	0.004
AV Peg	46671.681	7381	0.009	M. Baldwin	0.002	RV UMa	46912.660	3925	0.014	M. Baldwin	0.004
AV Peg	46714.617	7491	0.004	M. Baldwin	0.003	RV UMa	46939.799	3983	0.005	M. Baldwin	0.005
AV Peg	46723.592	7514	0.001	M. Baldwin	0.005	RV UMa	46948.702	4002	0.015	M. Baldwin	0.002
AV Peg	46725.559	7519	0.016	M. Baldwin	0.003	RV UMa	47022.661	4160	0.020	M. Baldwin	0.005
AV Peg	46732.583	7537	0.013	M. Baldwin	0.003	RV UMa	47271.649	4692	0.000	M. Baldwin	0.004
AV Peg	46979.687	8170	0.010	M. Baldwin	0.002	RV UMa	47293.656	4739	0.009	M. Baldwin	0.003
AV Peg	46995.699	8211	0.016	M. Baldwin	0.004	RV UMa	49118.639	8638	0.026	M. Baldwin	0.005
AV Peg	47002.724	8229	0.015	M. Baldwin	0.002	RV UMa	49154.679	8715	0.025	M. Baldwin	0.004
AV Peg	47023.810	8283	0.020	M. Baldwin	0.002	RV UMa	49160.778	8728	0.039	M. Baldwin	0.004
AV Peg	47029.661	8298	0.016	M. Baldwin	0.003	RV UMa	49161.717	8730	0.042	M. Baldwin	0.003
AV Peg	47038.632	8321	0.008	M. Baldwin	0.004	RV UMa	49572.673	9608	0.042	M. Baldwin	0.003
AV Peg	47081.579	8431	0.014	M. Baldwin	0.004	RV UMa	49580.630	9625	0.041	M. Baldwin	0.003
AV Peg	47358.739	9141	0.008	M. Baldwin	0.003	RV UMa	49587.638	9640	0.029	M. Baldwin	0.005
AV Peg	47410.674	9274	0.023	M. Baldwin	0.004	RV UMa	49843.681	10187	0.043	M. Baldwin	0.004
AV Peg	47419.649	9297	0.019	M. Baldwin	0.005	RV UMa	49857.722	10217	0.042	M. Baldwin	0.006
AV Peg	47721.804	10071	0.024	M. Baldwin	0.005	RV UMa	49901.718	10311	0.040	M. Baldwin	0.003
AV Peg	47814.709	10309	0.020	R. Hill	0.007	RV UMa	50290.680	11142	0.044	M. Baldwin	0.005
AV Peg	47823.687	10332	0.020	R. Hill	0.003	RV UMa	50540.639	11676	0.059	M. Baldwin	0.004
AV Peg	47861.559	10429	0.025	M. Baldwin	0.003	RV UMa	50921.641	12490	0.061	M. Baldwin	0.002
AV Peg	48065.721	10952	0.021	M. Baldwin	0.004	RV UMa	50928.653	12505	0.052	M. Baldwin	0.003
AV Peg	48149.656	11167	0.026	M. Baldwin	0.005	RV UMa	50950.665	12552	0.065	M. Baldwin	0.003
AV Peg	48151.601	11172	0.019	M. Baldwin	0.005	RV UMa	51068.613	12804	0.062	M. Baldwin	0.002
AV Peg	48158.634	11190	0.025	M. Baldwin	0.004	RV UMa	51667.747	14084	0.079	R. Berg	0.006
AV Peg	48233.582	11382	0.021	M. Baldwin	0.004	RV UMa	52049.696	14900	0.091	R. Berg	0.005
AV Peg	48507.626	12084	0.022	M. Baldwin	0.003	RV UMa	54624.515	20401	0.112	S. Swierczynski	0.006
AV Peg	48898.789	13086	0.030	M. Baldwin	0.003						