Recent Maxima of 64 Short Period Pulsating Stars

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Abstract This paper contains times of maxima for 64 short period pulsating stars (primarily RR Lyrae and δ Scuti stars). This represents a portion of the CCD observations received by the AAVSO Short Period Pulsator (SPP) section through December 2009.

1. Recent observations

The accompanying list contains times of maxima calculated from CCD observations made by participants in the AAVSO's RR Lyrae program, now known as the AAVSO Short Period Pulsator Section (SPP). This list will be web-archived and made available through the AAVSO ftp site at ftp://ftp.aavso.org/public/datasets/jsamog381.txt. These observations were reduced by the writer using the PERANSO program (Vanmunster 2007). The error estimate is included.

The linear elements in the *General Catalogue of Variable Stars* (GCVS; Kholopov *et al.* 1985) were used to compute the O–C values for all stars except RZ Cap and DG Hya. For RZ Cap and DG Hya, the GCVS elements are missing or are in significant error. For these two stars, the following light elements were calculated using PERANSO and the times of maxima listed in this paper:

RZ CapTime of maximum: (JD) = 2451384.8279 + 0.40100719 E
±0.0005 0.00000010

DG HyaTime of maximum: (JD) = 2452374.565 + 0.7542427 E
±0.002 0.0000011

References

Kholopov, P. N., *et al.* 1985, *General Catalogue of Variable Stars*, 4th ed., Moscow.
Vanmunster, T. 2007, PERANSO period analysis software, http://www.peranso.com

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
SW And	53398.5405	79737	–0.2878	SAH	0.0012
SW And	54717.8059	82720	–0.3420	MZK	0.0009
SW And	54830.5826	82975	–0.3466	SNE	0.0010
XX And	54423.6372	21220	–0.4942	BIZ	0.0021
XX And	54454.7150	21263	–0.4945	BIZ	0.0020
AT And	52219.6072	16010	–0.6184	SAH	0.0026
AT And	54454.6841	19633	–0.6237	BIZ	0.0035
AT And	55080.8561	20648	–0.6202	MZK	0.0013
AT And	55158.5817	20774	–0.6258	MZK	0.0023
SW Aqr	52902.6721	60538	–0.0009	SAH	0.0013
SW Aqr	53239.8017	61272	0.0002	SAH	0.0013
SW Aqr	53315.5860	61437	–0.0006	SAH	0.0013
SW Aqr	55138.5600	65406	–0.0009	SAH	0.0012
TZ Aqr	53323.5842	27617	0.0112	SAH	0.0019
TZ Aqr	54379.7226	29466	0.0114	BIZ	0.0052
YZ Aqr	53284.6038	32468	0.0499	BIZ	0.0025
YZ Aqr	53289.5678	32477	0.0465	SAH	0.0017
YZ Aqr	53588.7156	33019	0.0472	HES	0.0023
YZ Aqr	54316.7181	34338	0.0515	HES	0.0022
YZ Aqr	54422.6962	34530	0.0587	BIZ	0.0030
AA Aqr	52999.5632	52967	–0.1037	SAH	0.0014
AA Aqr	53238.8549	53360	–0.1058	SAH	0.0021
AA Aqr	53251.6435	53381	–0.1039	BIZ	0.0049
AA Aqr	54392.6891	55255	–0.1184	BIZ	0.0019
BO Aqr	53315.5824	16850	0.1170	SAH	0.0032
BO Aqr	54417.7114	18438	0.1445	BIZ	0.0023
BR Aqr	52581.5498	31015	–0.1309	SAH	0.0016
BR Aqr	54439.6450	34871	–0.1592	BIZ	0.0015
BR Aqr	55115.7129	36274	–0.1668	SAH	0.0021
DN Aqr	53615.7636	39748	0.0296	BIZ	0.0032
DN Aqr	54413.6719	41007	0.0416	BIZ	0.0020
DN Aqr	55112.7021	42110	0.0412	SAH	0.0036
TZ Aur	52316.6504	82758	0.0102	SAH	0.0011
TZ Aur	52374.6172	82906	0.0092	SAH	0.0009
TZ Aur	53077.6734	84701	0.0094	HES	0.0010
TZ Aur	53724.7223	86353	0.0119	PRX	0.0010
TZ Aur	54071.7455	87239	0.0114	PRX	0.0011
TZ Aur	54394.8764	88064	0.0107	SAH	0.0010

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
TZ Aur	54518.6483	88380	0.0134	BIZ	0.0014
TZ Aur	55185.6690	90083	0.0123	PRX	0.0008
BH Aur	51544.5939	19279	–0.0034	SAH	0.0013
BH Aur	52998.6095	22467	–0.0020	SAH	0.0017
BH Aur	53345.6968	23228	0.0009	BKS	0.0027
BH Aur	53355.7292	23250	–0.0007	BKS	0.0034
BH Aur	53357.5562	23254	0.0020	BKS	0.0029
BH Aur	53644.8890	23884	–0.0018	SAH	0.0014
BH Aur	53762.5601	24142	–0.0019	SAH	0.0017
BH Aur	54170.7569	25037	–0.0054	BIZ	0.0014
BH Aur	54441.6780	25631	–0.0017	PRX	0.0023
BH Aur	54509.6359	25780	–0.0011	BIZ	0.0014
BH Aur	54831.6369	26486	0.0005	PRX	0.0013
BH Aur	55136.7600	27155	–0.0005	SAH	0.0015
BH Aur	55178.7183	27247	–0.0025	PRX	0.0011
RS Boo	52224.7065	27705	0.0406	GHS	0.0010
RS Boo	52785.7734	29192	0.0045	SAH	0.0014
RS Boo	53130.6564	30106	–0.0003	BIZ	0.0012
RS Boo	54611.7181	34031	0.0060	MZK	0.0012
RS Boo	54651.7147	34137	0.0046	GHS	0.0010
RS Boo	54887.5385	34762	–0.0084	VJA	0.0008
RS Boo	54904.8985	34808	–0.0060	MZK	0.0009
RS Boo	54946.7787	34919	–0.0104	MZK	0.0011
ST Boo	52133.7145	52953	0.0698	SAH	0.0021
ST Boo	54591.7889	56903	0.0959	SAH	0.0013
ST Boo	54596.7685	56911	0.0972	SAH	0.0016
ST Boo	54619.7893	56948	0.0933	BIZ	0.0014
SW Boo	51749.7388	17874	0.1775	SAH	0.0014
SW Boo	52029.6227	18419	0.1886	SAH	0.0012
SW Boo	52126.6832	18608	0.1923	SAH	0.0013
SW Boo	52735.7555	19794	0.2203	SAH	0.0016
SW Boo	54177.8079	22602	0.2858	SAH	0.0015
SW Boo	54212.7287	22670	0.2867	PRX	0.0014
SW Boo	54230.7029	22705	0.2874	BIZ	0.0013
SW Boo	54267.6812	22777	0.2917	GHS	0.0018
SW Boo	54571.7043	23369	0.3061	BIZ	0.0027
SW Boo	54610.7352	23445	0.3089	GHS	0.0014
SW Boo	54933.7594	24074	0.3239	SAH	0.0017

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
SZ Boo	54215.6914	50831	0.0071	PRX	0.0016
SZ Boo	54560.7538	51491	0.0085	BIZ	0.0013
SZ Boo	54938.7471	52214	0.0031	MZK	0.0011
SZ Boo	54938.7489	52214	0.0049	SAH	0.0016
TV Boo	54578.7362	95883	0.0921	BIZ	0.0030
TV Boo	54919.7417	96974	0.0953	PRX	0.0030
TW Boo	53863.6307	50674	–0.0469	BM	0.0013
TW Boo	54227.7020	51358	–0.0504	BIZ	0.0013
TW Boo	54557.7070	51978	–0.0548	BIZ	0.0013
TW Boo	54597.6257	52053	–0.0566	MZK	0.0011
TW Boo	54631.6964	52117	–0.0514	GHS	0.0016
UU Boo	52426.7726	35766	0.1440	HES	0.0013
UU Boo	52469.7215	35860	0.1424	SNE	0.0017
UU Boo	52804.6596	36593	0.1577	SAH	0.0027
UU Boo	53154.6632	37359	0.1602	BIZ	0.0014
UU Boo	53170.6558	37394	0.1606	BIZ	0.0013
UU Boo	53884.8429	38957	0.1810	SAH	0.0010
UU Boo	54209.7240	39668	0.1916	PRX	0.0012
UU Boo	54245.8220	39747	0.1929	BIZ	0.0011
UU Boo	54565.6769	40447	0.2034	BIZ	0.0013
UU Boo	54660.7195	40655	0.2066	GHS	0.0015
UU Boo	54940.8182	41268	0.2130	PRX	0.0010
UY Cam	52762.681	64400	–0.085	SNE	0.003
UY Cam	52791.795	64509	–0.078	SNE	0.002
UY Cam	52975.519	65197	–0.079	SAH	0.002
UY Cam	52975.785	65198	–0.080	SAH	0.003
UY Cam	52979.526	65212	–0.078	SAH	0.003
UY Cam	52979.792	65213	–0.079	SAH	0.002
UY Cam	52986.730	65239	–0.084	SAH	0.004
UY Cam	53046.553	65463	–0.079	SAH	0.002
UY Cam	53098.631	65658	–0.074	BIZ	0.003
UY Cam	53232.676	66160	–0.084	SNE	0.005
UY Cam	53463.671	67025	–0.081	SNE	0.004
UY Cam	53463.672	67025	–0.080	SNE	0.004
UY Cam	53691.724	67879	–0.082	PRX	0.008
UY Cam	53712.553	67957	–0.082	SNE	0.002
UY Cam	54055.707	69242	–0.078	PRX	0.006
UY Cam	54079.725	69332	–0.094	SAH	0.004

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
UY Cam	54191.620	69751	–0.089	PRX	0.002
UY Cam	54398.579	70526	–0.088	SAH	0.003
UY Cam	54402.578	70541	–0.095	SAH	0.004
UY Cam	54402.849	70542	–0.091	SAH	0.003
UY Cam	54403.651	70545	–0.090	SAH	0.004
UY Cam	54403.926	70546	–0.082	SAH	0.004
UY Cam	54522.755	70991	–0.087	BIZ	0.002
UY Cam	54771.639	71923	–0.086	SAH	0.004
UY Cam	54933.732	72530	–0.088	SAH	0.004
UY Cam	55105.702	73174	–0.093	SAH	0.003
RW Cnc	54480.8324	27275	–0.3343	SAH	0.0018
RW Cnc	54484.6620	27282	–0.3351	SAH	0.0024
RW Cnc	54507.6455	27324	–0.3340	SAH	0.0017
RW Cnc	54519.6816	27346	–0.3363	SAH	0.0027
RW Cnc	54536.6498	27377	–0.3312	SAH	0.0019
RW Cnc	54554.7004	27410	–0.3382	SAH	0.0028
RW Cnc	54554.7051	27410	–0.3335	BIZ	0.0038
RW Cnc	54861.6922	27971	–0.3250	PRX	0.0035
RW Cnc	54867.7054	27982	–0.3310	PRX	0.0021
RW Cnc	54867.7098	27982	–0.3266	SAH	0.0019
RW Cnc	54891.7901	28026	–0.3231	SAH	0.0028
RW Cnc	54907.6445	28055	–0.3374	SAH	0.0020
TT Cnc	53799.7041	24590	0.1164	SAH	0.0033
TT Cnc	54128.7230	25174	0.0808	BIZ	0.0018
TT Cnc	54128.7230	25174	0.0808	PRX	0.0017
TT Cnc	54532.7441	25891	0.1087	BIZ	0.0017
TT Cnc	54571.5986	25960	0.0852	MZK	0.0016
TT Cnc	54865.7248	26482	0.0908	PRX	0.0023
VZ Cnc	54527.5345	82024	0.0054	MZK	0.0008
VZ Cnc	54544.6614	82120	0.0094	BIZ	0.0022
SS CVn	53818.6688	29667	–0.3187	PRX	0.0015
SS CVn	53952.6545	29947	–0.3189	HES	0.0039
SS CVn	54261.7872	30593	–0.3108	BIZ	0.0012
SS CVn	54564.6831	31226	–0.3186	BIZ	0.0009
RV Cap	52489.7018	41556	–0.0103	SAH	0.0028
RV Cap	52533.6124	41654	0.0214	SAH	0.0016
RV Cap	53581.7557	43995	–0.0040	SAH	0.0018
RV Cap	53589.8102	44013	–0.0089	SAH	0.0018

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
RV Cap	53603.6908	44044	–0.0084	SAH	0.0020
RV Cap	53616.6673	44073	–0.0165	SAH	0.0018
RV Cap	54708.7210	46512	–0.0104	SAH	0.0014
RV Cap	55093.7862	47372	–0.0050	HES	0.0015
RZ Cap	51384.8299	0	0.0020	SAH	0.0016
RZ Cap	51411.6955	67	0.0001	SAH	0.0013
RZ Cap	51452.5976	169	–0.0005	SAH	0.0014
RZ Cap	51804.6835	1047	0.0011	SAH	0.0015
RZ Cap	51837.5636	1129	–0.0014	SAH	0.0019
RZ Cap	52179.6215	1982	–0.0027	SAH	0.0016
RZ Cap	52468.7501	2703	–0.0002	SAH	0.0018
RZ Cap	52517.6739	2825	0.0007	SAH	0.0019
RZ Cap	52562.5866	2937	0.0006	SAH	0.0017
RZ Cap	53197.7825	4521	0.0011	SAH	0.0017
RZ Cap	53224.6489	4588	0.0000	SAH	0.0015
RZ Cap	53277.5817	4720	–0.0001	SAH	0.0015
RZ Cap	53539.8387	5374	–0.0018	SAH	0.0013
RZ Cap	53588.7631	5496	–0.0003	GHS	0.0020
RZ Cap	53932.8288	6354	0.0012	SAH	0.0019
RZ Cap	54016.6392	6563	0.0011	SAH	0.0021
RZ Cap	54366.7189	7436	0.0015	SAH	0.0017
RZ Cap	54688.7261	8239	0.0000	SAH	0.0014
RZ Cap	55044.8192	9127	–0.0013	SAH	0.0013
VW Cap	52163.659	85133	0.162	SAH	0.006
VW Cap	52489.820	86171	0.122	SAH	0.006
VW Cap	52559.572	86393	0.108	SAH	0.004
VW Cap	52581.591	86463	0.129	SAH	0.007
VW Cap	52950.537	87637	0.133	SAH	0.007
VW Cap	53232.765	88535	0.156	SAH	0.006
VW Cap	53618.690	89763	0.170	SAH	0.006
RR Cet	53323.7984	36422	0.0035	MKE	0.0017
RR Cet	53672.7616	37053	0.0059	SAH	0.0022
RR Cet	55157.6478	39738	0.0116	SAH	0.0018
RU Cet	54416.6541	24886	0.0790	PRX	0.0044
RU Cet	54477.6414	24990	0.0932	BIZ	0.0024
RU Cet	54783.6855	25512	0.0991	PRX	0.0021
RU Cet	54786.6124	25517	0.0946	PRX	0.0020
RU Cet	55163.6016	26160	0.1058	SAH	0.0017

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
RU Cet	55167.7078	26167	0.1080	PRX	0.0019
RU Cet	55177.6625	26184	0.0960	SAH	0.0019
RV Cet	54418.7233	24551	0.1932	PRX	0.0023
RV Cet	54418.7256	24551	0.1955	BIZ	0.0026
RV Cet	54438.6664	24583	0.1875	PRX	0.0018
RV Cet	54438.6712	24583	0.1923	BIZ	0.0037
RX Cet	52996.6644	22435	0.0899	SAH	0.0035
RX Cet	54424.7261	24924	0.2327	BIZ	0.0032
RX Cet	55155.6669	26198	0.2901	PRX	0.0024
RZ Cet	52663.5678	36734	–0.0991	SAH	0.0024
RZ Cet	53001.5765	37396	–0.1147	SAH	0.0031
RZ Cet	53363.5994	38105	–0.1148	SAH	0.0017
RZ Cet	53722.5532	38808	–0.1204	SAH	0.0019
RZ Cet	54066.6883	39482	–0.1369	PRX	0.0019
RZ Cet	54448.6149	40230	–0.1472	BIZ	0.0018
RZ Cet	54449.6429	40232	–0.1404	PRX	0.0019
RZ Cet	54833.6143	40984	–0.1483	SAH	0.0017
RZ Cet	55169.5748	41642	–0.1696	PRX	0.0024
UU Cet	52902.7862	19295	–0.1227	SAH	0.0022
UU Cet	53265.8309	19894	–0.1205	SAH	0.0022
UU Cet	54407.6740	21778	–0.1340	BIZ	0.0030
UU Cet	54413.7339	21788	–0.1349	BIZ	0.0024
UU Cet	54424.6457	21806	–0.1326	PRX	0.0025
XX Cyg	52581.5595	60254	0.0025	SNE	0.0007
XX Cyg	52581.6929	60255	0.0010	SNE	0.0007
XX Cyg	52839.6918	62168	0.0030	HES	0.0010
XX Cyg	53017.5772	63487	0.0013	BIZ	0.0007
XX Cyg	53270.5843	65363	0.0014	BIZ	0.0010
XX Cyg	53540.7200	67366	0.0023	PRX	0.0007
XX Cyg	53584.6852	67692	0.0015	PRX	0.0007
XX Cyg	53612.6030	67899	0.0022	SAH	0.0006
XX Cyg	54261.8442	72713	0.0027	SAH	0.0006
XX Cyg	54372.5684	73534	0.0027	GHS	0.0007
XX Cyg	54612.7625	75315	0.0020	MZK	0.0008
XX Cyg	54729.6917	76182	0.0032	MZK	0.0006
XX Cyg	55011.6952	78273	0.0037	SAH	0.0008
XX Cyg	55011.8286	78274	0.0022	SAH	0.0007
XX Cyg	55079.6654	78777	0.0019	MZK	0.0005

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
XX Cyg	55092.6133	78873	0.0027	MZK	0.0005
XZ Cyg	52885.6945	18776	–1.5047	SAH	0.0009
XZ Cyg	52900.6262	18808	–1.5074	BIZ	0.0012
XZ Cyg	52950.5530	18915	–1.5175	SAH	0.0012
XZ Cyg	52957.5503	18930	–1.5207	SAH	0.0013
XZ Cyg	53214.6426	19481	–1.5801	BIZ	0.0022
XZ Cyg	53363.4898	19800	–1.6102	SAH	0.0015
XZ Cyg	53463.8147	20015	–1.6258	SAH	0.0012
XZ Cyg	53540.7918	20180	–1.6542	SAH	0.0013
XZ Cyg	53603.7836	20315	–1.6669	SAH	0.0013
XZ Cyg	53798.8291	20733	–1.7020	SAH	0.0014
XZ Cyg	53834.7482	20810	–1.7188	SAH	0.0020
XZ Cyg	53890.7416	20930	–1.7294	SAH	0.0011
XZ Cyg	54226.7006	21650	–1.7944	SAH	0.0008
XZ Cyg	54232.7615	21663	–1.8006	SAH	0.0013
XZ Cyg	54248.6231	21697	–1.8068	SAH	0.0018
XZ Cyg	54260.7618	21723	–1.8023	SAH	0.0013
XZ Cyg	54266.8329	21736	–1.7983	SAH	0.0014
XZ Cyg	54289.6838	21785	–1.8157	GHS	0.0023
XZ Cyg	54631.7064	22518	–1.8842	BIZ	0.0017
XZ Cyg	54651.7668	22561	–1.8919	SAH	0.0015
XZ Cyg	54652.7023	22563	–1.8898	GHS	0.0022
XZ Cyg	54657.8317	22574	–1.8941	SAH	0.0010
XZ Cyg	54701.6826	22668	–1.9130	MZK	0.0014
XZ Cyg	55008.7186	23326	–1.9656	SAH	0.0009
XZ Cyg	55056.7754	23429	–1.9789	SAH	0.0013
XZ Cyg	55058.6459	23433	–1.9752	MZK	0.0007
XZ Cyg	55092.7025	23506	–1.9877	SAH	0.0013
DM Cyg	52501.6456	23625	0.0471	SAH	0.0014
DM Cyg	53239.7660	25383	0.0536	SAH	0.0014
DM Cyg	53316.5998	25566	0.0530	SAH	0.0013
DM Cyg	54255.8301	27803	0.0565	BIZ	0.0018
DM Cyg	54310.8354	27934	0.0602	SAH	0.0014
DM Cyg	54643.7850	28727	0.0608	MZK	0.0014
DM Cyg	55018.7269	29620	0.0677	SAH	0.0013
RW Dra	54246.7329	33571	0.1753	PRX	0.0013
RW Dra	54599.7546	34368	0.1921	BIZ	0.0017
RW Dra	54941.6969	35140	0.2025	PRX	0.0013

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
XZ Dra	54223.7910	25804	–0.1116	BIZ	0.0014
XZ Dra	54629.7610	26656	–0.1170	BIZ	0.0016
RX Eri	52995.6290	53305	–0.0098	SAH	0.0016
RX Eri	53322.7273	53862	–0.0076	SAH	0.0021
RX Eri	53766.6809	54618	–0.0121	PRX	0.0016
RX Eri	53772.5568	54628	–0.0087	SAH	0.0023
RX Eri	54096.7137	55180	–0.0117	PRX	0.0016
RX Eri	54416.7630	55725	–0.0116	BIZ	0.0027
RX Eri	54466.6809	55810	–0.0096	PRX	0.0016
RX Eri	54503.6774	55873	–0.0097	BIZ	0.0018
RX Eri	54823.7277	56418	–0.0085	SAH	0.0020
RX Eri	55190.7559	57043	–0.0092	SAH	0.0018
BB Eri	53747.6832	24896	0.2116	PRX	0.0017
BB Eri	54090.7683	25498	0.2181	BIZ	0.0017
BB Eri	54094.7568	25505	0.2173	PRX	0.0015
BB Eri	54457.7925	26142	0.2280	BIZ	0.0015
BB Eri	54468.6207	26161	0.2281	BIZ	0.0029
BB Eri	54843.6207	26819	0.2352	PRX	0.0018
RX For	54411.7739	24410	–0.0478	BIZ	0.0020
RX For	54831.6822	25113	–0.0513	SAH	0.0031
RX For	55114.7976	25587	–0.0627	SAH	0.0024
SS For	52993.7256	28914	–0.1462	SAH	0.0014
SS For	53387.5996	29709	–0.1407	HES	0.0013
SS For	54456.7470	31867	–0.1355	BIZ	0.0016
RR Gem	52713.6425	28584	–0.2887	HES	0.0010
RR Gem	53042.5973	29412	–0.3071	NMI	0.0009
RR Gem	53046.5745	29422	–0.3030	BIZ	0.0011
RR Gem	53084.7119	29518	–0.3074	NMI	0.0009
RR Gem	53090.6719	29533	–0.3070	NMI	0.0010
RR Gem	53469.6852	30487	–0.3281	GHS	0.0013
RR Gem	54107.7321	32093	–0.3620	PRX	0.0012
RR Gem	54453.7709	32964	–0.3807	PRX	0.0013
RR Gem	54465.6919	32994	–0.3790	BIZ	0.0012
RR Gem	54465.6926	32994	–0.3783	PRX	0.0011
RR Gem	54484.7597	33042	–0.3821	MZK	0.0012
RR Gem	54490.7218	33057	–0.3797	SAH	0.0011
RR Gem	54498.6637	33077	–0.3840	PRX	0.0007
RR Gem	54525.6820	33145	–0.3828	BIZ	0.0009

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
RR Gem	54527.6647	33150	–0.3867	MZK	0.0010
RR Gem	54846.6901	33953	–0.4017	PRX	0.0009
RR Gem	55153.7936	34726	–0.4193	SRIC	0.0010
RR Gem	55154.9801	34729	–0.4247	SRIC	0.0014
RR Gem	55155.7759	34731	–0.4235	SRIC	0.0017
RR Gem	55183.9849	34802	–0.4236	SRIC	0.0007
RR Gem	55188.7533	34814	–0.4229	MZK	0.0006
TW Her	51714.6338	75499	–0.0085	SAH	0.0008
TW Her	52042.7059	76320	–0.0080	SAH	0.0009
TW Her	52184.5633	76675	–0.0087	SAH	0.0008
TW Her	52892.6542	78447	–0.0092	PRX	0.0018
TW Her	52898.6470	78462	–0.0104	BIZ	0.0010
TW Her	54243.7001	81828	–0.0112	PRX	0.0010
TW Her	54591.7517	82699	–0.0113	BIZ	0.0009
TW Her	54673.6687	82904	–0.0123	MZK	0.0009
TW Her	55009.7325	83745	–0.0122	SAH	0.0008
VX Her	52163.5740	66787	0.1068	SAH	0.0009
VX Her	52489.6135	67503	0.0993	SAH	0.0022
VX Her	52525.5856	67582	0.0970	SAH	0.0009
VX Her	52861.6424	68320	0.0886	SAH	0.0020
VX Her	53539.6724	69809	0.0685	SNE	0.0011
VX Her	54231.8176	71329	0.0470	BIZ	0.0009
VX Her	54619.7851	72181	0.0369	SAH	0.0013
VZ Her	51722.6706	33915	0.0522	SAH	0.0008
VZ Her	52884.7028	36554	0.0591	PRX	0.0012
VZ Her	53179.7242	37224	0.0608	BIZ	0.0010
VZ Her	53570.7344	38112	0.0599	PRX	0.0017
VZ Her	53630.6212	38248	0.0621	GHS	0.0012
VZ Her	53884.6913	38825	0.0630	HES	0.0010
VZ Her	54219.7830	39586	0.0651	SAH	0.0012
VZ Her	54241.7979	39636	0.0637	BIZ	0.0010
VZ Her	54245.7607	39645	0.0635	PRX	0.0011
VZ Her	54547.8278	40331	0.0657	MZK	0.0009
VZ Her	54577.7721	40399	0.0677	BIZ	0.0010
VZ Her	54630.6104	40519	0.0666	MZK	0.0009
VZ Her	54965.7010	41280	0.0677	MZK	0.0008
VZ Her	55009.7368	41380	0.0707	SAH	0.0013
AR Her	52017.6559	22476	–1.0404	SAH	0.0016

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
AR Her	52021.8942	22485	–1.0324	SAH	0.0013
AR Her	52025.6675	22493	–1.0193	SAH	0.0025
AR Her	52069.8184	22587	–1.0510	SAH	0.0010
AR Her	52126.7106	22708	–1.0322	SAH	0.0012
AR Her	52398.8106	23287	–1.0784	SAH	0.0050
AR Her	52416.6889	23325	–1.0612	SAH	0.0008
AR Her	52495.6493	23493	–1.0655	SAH	0.0029
AR Her	52517.7225	23540	–1.0836	SAH	0.0011
AR Her	52559.5584	23629	–1.0802	SAH	0.0058
AR Her	52728.7674	23989	–1.0813	SAH	0.0014
AR Her	52735.8107	24004	–1.0884	SAH	0.0015
AR Her	52769.6470	24076	–1.0941	SAH	0.0015
AR Her	52785.6478	24110	–1.0743	SAH	0.0014
AR Her	52791.7543	24123	–1.0781	SAH	0.0023
AR Her	52839.6565	24225	–1.1188	SAH	0.0017
AR Her	52894.6742	24342	–1.0944	SAH	0.0028
AR Her	52919.5564	24395	–1.1237	PRX	0.0021
AR Her	53175.7276	24940	–1.1177	SAH	0.0011
AR Her	53215.6636	25025	–1.1341	BIZ	0.0018
AR Her	53239.6450	25076	–1.1241	SAH	0.0012
AR Her	53463.8246	25553	–1.1479	SAH	0.0016
AR Her	53511.7223	25655	–1.1930	SAH	0.0014
AR Her	53559.7016	25757	–1.1566	SAH	0.0017
AR Her	53574.7002	25789	–1.1989	SAH	0.0017
AR Her	53630.6543	25908	–1.1781	SAH	0.0016
AR Her	53792.7959	26253	–1.1962	SAH	0.0016
AR Her	53798.8872	26266	–1.2152	SAH	0.0021
AR Her	53840.7748	26355	–1.1601	SAH	0.0014
AR Her	53863.7466	26404	–1.2197	BM	0.0013
AR Her	53878.8313	26436	–1.1759	SAH	0.0011
AR Her	53894.7665	26470	–1.2217	SAH	0.0016
AR Her	53903.7485	26489	–1.1702	SAH	0.0015
AR Her	53910.7872	26504	–1.1819	SAH	0.0012
AR Her	53919.6999	26523	–1.1997	SAH	0.0012
AR Her	54176.7702	27070	–1.2348	PRX	0.0019
AR Her	54200.7602	27121	–1.2162	SAH	0.0014
AR Her	54206.8604	27134	–1.2264	SAH	0.0013
AR Her	54207.7958	27136	–1.2310	SAH	0.0017

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
AR Her	54208.7336	27138	–1.2333	PRX	0.0017
AR Her	54210.6053	27142	–1.2417	SAH	0.0020
AR Her	54216.7108	27155	–1.2465	PRX	0.0019
AR Her	54218.6100	27159	–1.2275	SAH	0.0019
AR Her	54224.7516	27172	–1.1962	SAH	0.0020
AR Her	54231.7756	27187	–1.2226	BIZ	0.0009
AR Her	54231.7795	27187	–1.2187	SAH	0.0012
AR Her	54248.6682	27223	–1.2510	SAH	0.0017
AR Her	54577.7018	27923	–1.2370	SAH	0.0018
AR Her	54583.8007	27936	–1.2485	SAH	0.0017
AR Her	54585.6811	27940	–1.2482	SAH	0.0015
AR Her	54590.8385	27951	–1.2611	SAH	0.0014
AR Her	54591.7744	27953	–1.2653	BIZ	0.0013
AR Her	54601.6323	27974	–1.2780	SAH	0.0023
AR Her	54615.7630	28004	–1.2481	SAH	0.0013
AR Her	54624.6712	28023	–1.2704	SAH	0.0015
AR Her	54631.7004	28038	–1.2917	SAH	0.0015
AR Her	54879.8772	28566	–1.2896	MZK	0.0015
AR Her	54930.6672	28674	–1.2627	SAH	0.0013
AR Her	54937.7020	28689	–1.2783	SAH	0.0013
AR Her	54959.7982	28736	–1.2734	SAH	0.0013
AR Her	54962.6302	28742	–1.2616	SAH	0.0022
AR Her	55045.7632	28919	–1.3235	SAH	0.0016
AR Her	55062.7285	28955	–1.2792	SAH	0.0011
DY Her	52448.8224	127896	–0.0196	SAH	0.0011
DY Her	52495.6412	128211	–0.0197	SAH	0.0012
DY Her	52885.6477	130835	–0.0219	PRX	0.0013
DY Her	53288.5873	133546	–0.0219	SAH	0.0011
DY Her	53511.8295	135048	–0.0240	SAH	0.0010
DY Her	53581.6875	135518	–0.0227	SAH	0.0008
DY Her	53617.6572	135760	–0.0218	GHS	0.0017
DY Her	53875.6795	137496	–0.0235	SAH	0.0009
DY Her	53946.7267	137974	–0.0221	SAH	0.0014
DY Her	54244.7316	139979	–0.0231	PRX	0.0009
DY Her	54264.6462	140113	–0.0251	SAH	0.0010
DY Her	54264.7958	140114	–0.0241	SAH	0.0009
DY Her	54562.7994	142119	–0.0264	SAH	0.0013
DY Her	54579.7459	142233	–0.0238	BIZ	0.0016

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
DY Her	54616.7547	142482	–0.0242	HAV	0.0013
DY Her	54700.5816	143046	–0.0254	MZK	0.0007
DY Her	54999.7764	145059	–0.0255	MZK	0.0007
DY Her	55008.6942	145119	–0.0256	SAH	0.0009
SZ Hya	51972.6366	21021	–0.1021	SAH	0.0014
SZ Hya	52356.7051	21736	–0.1603	SAH	0.0028
SZ Hya	52370.7181	21762	–0.1156	SAH	0.0015
SZ Hya	52391.6684	21801	–0.1176	SAH	0.0019
SZ Hya	52398.6559	21814	–0.1143	SAH	0.0024
SZ Hya	52597.9622	22185	–0.1241	SAH	0.0018
SZ Hya	52708.6357	22391	–0.1221	SAH	0.0014
SZ Hya	53049.7717	23026	–0.1336	SAH	0.0016
SZ Hya	53077.7063	23078	–0.1355	BIZ	0.0012
SZ Hya	53098.6579	23117	–0.1363	SAH	0.0016
SZ Hya	53354.8623	23594	–0.1955	SAH	0.0026
SZ Hya	53763.7493	24355	–0.1483	SAH	0.0013
SZ Hya	53785.7740	24396	–0.1504	SAH	0.0012
SZ Hya	53792.7551	24409	–0.1534	SAH	0.0019
SZ Hya	53798.6163	24420	–0.2019	SAH	0.0025
SZ Hya	53812.6358	24446	–0.1506	SAH	0.0015
SZ Hya	53820.6703	24461	–0.1747	PRX	0.0019
SZ Hya	53834.6552	24487	–0.1581	SAH	0.0015
SZ Hya	54089.7885	24962	–0.2139	SAH	0.0044
SZ Hya	54117.7774	25014	–0.1615	PRX	0.0018
SZ Hya	54152.6939	25079	–0.1656	PRX	0.0014
SZ Hya	54174.7212	25120	–0.1651	PRX	0.0013
SZ Hya	54485.7456	25699	–0.2028	SAH	0.0055
SZ Hya	54520.6863	25764	–0.1827	SAH	0.0015
SZ Hya	54527.6646	25777	–0.1886	PRX	0.0030
SZ Hya	54564.7342	25846	–0.1885	BIZ	0.0028
SZ Hya	54797.8447	26280	–0.2403	SAH	0.0039
SZ Hya	54827.9712	26336	–0.1992	SAH	0.0020
SZ Hya	54833.8876	26347	–0.1925	SAH	0.0011
SZ Hya	54875.7467	26425	–0.2381	PRX	0.0025
SZ Hya	54881.7011	26436	–0.1934	PRX	0.0016
SZ Hya	54888.6850	26449	–0.1936	PRX	0.0010
SZ Hya	54904.7806	26479	–0.2152	SAH	0.0070
SZ Hya	54917.6953	26503	–0.1943	PRX	0.0017

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
SZ Hya	55179.8655	26991	–0.1973	SAH	0.0016
SZ Hya	55186.8266	27004	–0.2203	SAH	0.0033
DG Hya	52374.5700	0	0.0050	SAH	0.0024
DG Hya	52380.5882	8	–0.0107	SAH	0.0019
DG Hya	52389.6526	20	0.0027	SAH	0.0022
DG Hya	52615.9270	320	0.0043	SAH	0.0031
DG Hya	52739.6183	484	–0.0002	SAH	0.0037
DG Hya	53463.6883	1444	–0.0032	GHS	0.0029
DG Hya	54522.6479	2848	–0.0003	PRX	0.0025
DG Hya	54534.7173	2864	0.0012	BIZ	0.0022
DG Hya	54831.8868	3258	–0.0009	SAH	0.0025
DG Hya	54884.6850	3328	0.0003	PRX	0.0027
DH Hya	52356.7559	43314	0.0439	SAH	0.0015
DH Hya	52698.5731	44013	0.0513	SAH	0.0023
DH Hya	52740.6235	44099	0.0479	SAH	0.0013
DH Hya	53802.7353	46271	0.0556	PRX	0.0015
DH Hya	54135.7458	46952	0.0583	PRX	0.0019
DH Hya	54536.7304	47772	0.0644	BIZ	0.0014
DH Hya	54893.7024	48502	0.0677	PRX	0.0012
RR Leo	53071.6791	21610	0.0579	NMI	0.0010
RR Leo	53152.6592	21789	0.0596	BIZ	0.0011
RR Leo	53405.5534	22348	0.0659	SAH	0.0014
RR Leo	53469.7943	22490	0.0670	SAH	0.0013
RR Leo	53813.6221	23250	0.0759	SAH	0.0012
RR Leo	54173.7308	24046	0.0795	PRX	0.0012
RR Leo	54486.7925	24738	0.0850	MZK	0.0013
RR Leo	54535.6518	24846	0.0859	MZK	0.0011
RR Leo	54539.7270	24855	0.0895	SAH	0.0009
RR Leo	54563.7025	24908	0.0882	BIZ	0.0010
RR Leo	54875.8608	25598	0.0951	SAH	0.0010
RR Leo	54905.7194	25664	0.0957	HES	0.0009
RR Leo	54923.8143	25704	0.0949	PRX	0.0008
SS Leo	54176.7094	19790	–0.0493	BIZ	0.0018
SS Leo	54533.7170	20360	–0.0579	BIZ	0.0018
SS Leo	54592.5941	20454	–0.0571	MZK	0.0021
SS Leo	54932.6919	20997	–0.0642	SAH	0.0019
ST Leo	53810.7272	54160	–0.0205	PRX	0.0017
ST Leo	53842.7521	54227	–0.0205	PRX	0.0009

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
ST Leo	54179.7314	54932	–0.0202	PRX	0.0013
ST Leo	54180.6864	54934	–0.0211	BIZ	0.0012
ST Leo	54212.7101	55001	–0.0224	HES	0.0011
ST Leo	54559.7297	55727	–0.0194	BIZ	0.0012
ST Leo	54561.6413	55731	–0.0197	GHS	0.0014
ST Leo	54882.8480	56403	–0.0185	SAH	0.0010
ST Leo	54906.7444	56453	–0.0213	PRX	0.0011
TV Leo	54520.8638	25978	0.1090	BIZ	0.0026
TV Leo	54905.7411	26550	0.1146	SAH	0.0020
WW Leo	53072.6780	30174	0.0308	NMI	0.0028
WW Leo	54904.7300	33213	0.0360	SAH	0.0025
AA Leo	53405.7774	23067	–0.0686	PRX	0.0020
AA Leo	53405.7782	23067	–0.0678	BIZ	0.0019
AA Leo	54209.7640	24410	–0.0766	BIZ	0.0014
AA Leo	54233.7120	24450	–0.0749	HES	0.0014
AA Leo	54567.7602	25008	–0.0765	BIZ	0.0014
AA Leo	54958.6782	25661	–0.0807	PRX	0.0020
U Lep	53001.6786	20034	0.0384	SAH	0.0013
U Lep	54086.7197	21900	0.0449	SAH	0.0037
U Lep	54100.6733	21924	0.0431	PRX	0.0017
U Lep	54461.7710	22545	0.0441	BIZ	0.0015
U Lep	54496.6563	22605	0.0408	BIZ	0.0016
U Lep	54503.6362	22617	0.0430	BIZ	0.0012
U Lep	54828.6844	23176	0.0460	SAH	0.0023
U Lep	54860.6630	23231	0.0434	PRX	0.0012
U Lep	55185.7104	23790	0.0456	SAH	0.0015
SZ Lyn	52785.6871	121635	0.0239	HES	0.0012
SZ Lyn	53011.5660	123509	0.0203	BIZ	0.0012
SZ Lyn	53051.5825	123841	0.0192	BIZ	0.0012
SZ Lyn	53079.6693	124074	0.0214	NMI	0.0008
SZ Lyn	53644.7348	128762	0.0192	SAH	0.0009
SZ Lyn	53644.8544	128763	0.0183	SAH	0.0009
SZ Lyn	53721.7571	129401	0.0197	PRX	0.0008
SZ Lyn	53745.6239	129599	0.0206	SAH	0.0009
SZ Lyn	53761.5352	129731	0.0213	SAH	0.0007
SZ Lyn	53773.5891	129831	0.0217	SAH	0.0007
SZ Lyn	53801.5531	130063	0.0216	SAH	0.0009
SZ Lyn	53801.6733	130064	0.0212	SAH	0.0009

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
SZ Lyn	53840.6077	130387	0.0228	SAH	0.0007
SZ Lyn	53853.6262	130495	0.0236	SAH	0.0008
SZ Lyn	53871.5881	130644	0.0258	SAH	0.0012
SZ Lyn	53890.6318	130802	0.0250	SAH	0.0009
SZ Lyn	53981.8799	131559	0.0281	SAH	0.0010
SZ Lyn	54009.8443	131791	0.0284	SAH	0.0007
SZ Lyn	54015.8703	131841	0.0277	SAH	0.0011
SZ Lyn	54058.7811	132197	0.0280	PRX	0.0011
SZ Lyn	54079.8751	132372	0.0284	SAH	0.0008
SZ Lyn	54120.8567	132712	0.0282	SAH	0.0008
SZ Lyn	54134.7170	132827	0.0269	SAH	0.0009
SZ Lyn	54168.5878	133108	0.0274	SAH	0.0010
SZ Lyn	54208.6027	133440	0.0247	SAH	0.0007
SZ Lyn	54222.5857	133556	0.0257	SAH	0.0009
SZ Lyn	54261.6365	133880	0.0232	SAH	0.0008
SZ Lyn	54366.8605	134753	0.0202	SAH	0.0008
SZ Lyn	54394.8251	134985	0.0207	SAH	0.0009
SZ Lyn	54414.8334	135151	0.0202	SAH	0.0010
SZ Lyn	54484.6200	135730	0.0171	BIZ	0.0010
SZ Lyn	54484.7384	135731	0.0149	BIZ	0.0012
SZ Lyn	54499.5644	135854	0.0151	HAV	0.0007
SZ Lyn	54506.6801	135913	0.0193	SAH	0.0010
SZ Lyn	54511.5016	135953	0.0194	MZK	0.0009
SZ Lyn	54511.6224	135954	0.0196	MZK	0.0011
SZ Lyn	54511.7420	135955	0.0187	MZK	0.0015
SZ Lyn	54513.6690	135971	0.0172	HAV	0.0008
SZ Lyn	54520.7815	136030	0.0181	SAH	0.0008
SZ Lyn	54525.6041	136070	0.0193	HAV	0.0013
SZ Lyn	54562.7261	136378	0.0165	SAH	0.0008
SZ Lyn	54583.5797	136551	0.0176	SAH	0.0007
SZ Lyn	54768.8438	138088	0.0195	SAH	0.0006
SZ Lyn	54792.8309	138287	0.0202	SAH	0.0010
SZ Lyn	54807.6573	138410	0.0208	SAH	0.0009
SZ Lyn	54837.5508	138658	0.0216	SAH	0.0008
SZ Lyn	54865.6345	138891	0.0207	SAH	0.0009
SZ Lyn	54865.7558	138892	0.0215	SAH	0.0008
SZ Lyn	54903.6043	139206	0.0220	SAH	0.0008
SZ Lyn	54903.7252	139207	0.0224	SAH	0.0009

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
SZ Lyn	54923.6165	139372	0.0254	SAH	0.0009
SZ Lyn	55114.9109	140959	0.0309	SAH	0.0009
SZ Lyn	55163.8484	141365	0.0312	SAH	0.0007
SZ Lyn	55167.7045	141397	0.0302	SRIC	0.0011
SZ Lyn	55167.8271	141398	0.0322	SRIC	0.0012
SZ Lyn	55167.9454	141399	0.0300	SRIC	0.0010
RZ Lyr	53265.6069	23633	–0.0084	BIZ	0.0018
RZ Lyr	53929.7219	24932	0.0029	SAH	0.0016
RZ Lyr	53935.8523	24944	–0.0016	SAH	0.0018
RZ Lyr	54205.7765	25472	–0.0134	BIZ	0.0018
RZ Lyr	54611.7106	26266	–0.0057	BIZ	0.0013
RZ Lyr	54612.7341	26268	–0.0046	HAV	0.0015
RZ Lyr	54977.7601	26982	–0.0056	MZK	0.0010
AV Peg	52525.8082	22377	0.0775	SAH	0.0011
AV Peg	53354.5862	24500	0.0900	SAH	0.0011
AV Peg	53712.5689	25417	0.0992	SAH	0.0011
AV Peg	54261.8359	26824	0.1089	BIZ	0.0011
AV Peg	55093.7405	28955	0.1251	SAH	0.0009
AV Peg	55147.6120	29093	0.1249	SAH	0.0017
RU Scl	52640.6474	43617	–0.1492	SAH	0.0014
RU Scl	53259.8076	44872	–0.1291	SAH	0.0014
RU Scl	53353.5512	45062	–0.1199	SAH	0.0012
RU Scl	54046.7107	46467	–0.1014	PRX	0.0017
RU Scl	54090.6208	46556	–0.0984	SAH	0.0015
RU Scl	54419.6875	47223	–0.0887	BIZ	0.0012
RU Scl	54423.6329	47231	–0.0900	PRX	0.0015
RU Scl	54832.6251	48060	–0.0757	SAH	0.0012
RU Scl	55123.7021	48650	–0.0685	SAH	0.0013
RV UMa	53610.6798	18235	0.0947	HES	0.0016
RV UMa	53837.6993	18720	0.1051	PRX	0.0012
RV UMa	54188.7485	19470	0.1093	BIZ	0.0017
RV UMa	54637.6224	20429	0.1137	MZK	0.0018
RV UMa	54909.5696	21010	0.1180	SAH	0.0015
RV UMa	54914.7179	21021	0.1176	PRX	0.0016
RV UMa	54920.8047	21034	0.1197	SAH	0.0012
RV UMa	54929.6974	21053	0.1192	SAH	0.0008
RV UMa	54944.6723	21085	0.1162	SAH	0.0010
RV UMa	54957.7762	21113	0.1144	SAH	0.0014

Table continued on following pages

Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
RV UMa	54980.7113	21162	0.1146	SAH	0.0017
RV UMa	55008.7970	21222	0.1167	SAH	0.0018
AE UMa	54079.7666	214788	–0.0026	SAH	0.0007
AE UMa	54079.8580	214789	0.0028	SAH	0.0014
AE UMa	54079.9437	214790	0.0025	SAH	0.0007
AE UMa	54102.6471	215054	–0.0026	SAH	0.0006
AE UMa	54102.7365	215055	0.0007	SAH	0.0015
AE UMa	54102.8254	215056	0.0036	SAH	0.0009
AE UMa	54103.6849	215066	0.0029	SAH	0.0009
AE UMa	54103.7677	215067	–0.0003	SAH	0.0012
AE UMa	54104.7117	215078	–0.0025	SAH	0.0009
AE UMa	54107.6358	215112	–0.0029	SAH	0.0005
AE UMa	54107.7251	215113	0.0003	SAH	0.0009
AE UMa	54107.8138	215114	0.0030	SAH	0.0010
AE UMa	54107.8944	215115	–0.0024	SAH	0.0007
AE UMa	54110.7388	215148	0.0035	SAH	0.0011
AE UMa	54110.8207	215149	–0.0007	SAH	0.0006
AE UMa	54110.9051	215150	–0.0023	SAH	0.0007
AE UMa	54110.9977	215151	0.0043	SAH	0.0007
AE UMa	54125.7056	215322	0.0033	SAH	0.0010
AE UMa	54125.7883	215323	0.0000	SAH	0.0011
AE UMa	54125.8716	215324	–0.0028	SAH	0.0008
AE UMa	54125.9649	215325	0.0045	SAH	0.0014
AE UMa	54131.5550	215390	0.0035	SAH	0.0013
AE UMa	54131.6392	215391	0.0017	SAH	0.0008
AE UMa	54131.7212	215392	–0.0023	SAH	0.0006
AE UMa	54131.8106	215393	0.0011	SAH	0.0011
AE UMa	54131.8989	215394	0.0034	SAH	0.0006
AE UMa	54136.5446	215448	0.0041	SAH	0.0011
AE UMa	54136.6275	215449	0.0010	SAH	0.0006
AE UMa	54136.7104	215450	–0.0021	SAH	0.0008
AE UMa	54136.7998	215451	0.0013	SAH	0.0009
AE UMa	54136.8882	215452	0.0037	SAH	0.0007
AE UMa	54136.9697	215453	–0.0009	SAH	0.0012
AE UMa	54137.6581	215461	–0.0006	SAH	0.0013
AE UMa	54137.7491	215462	0.0044	SAH	0.0014
AE UMa	54137.8311	215463	0.0004	SAH	0.0009
AE UMa	54139.7226	215485	–0.0005	SAH	0.0009

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
AE UMa	54139.8124	215486	0.0033	SAH	0.0008
AE UMa	54139.8942	215487	–0.0009	SAH	0.0005
AE UMa	54141.7876	215509	0.0001	SAH	0.0010
AE UMa	54141.8768	215510	0.0033	SAH	0.0007
AE UMa	54141.9575	215511	–0.0020	SAH	0.0009
AE UMa	54152.6241	215635	–0.0016	SAH	0.0011
AE UMa	54153.5746	215646	0.0028	SAH	0.0010
AE UMa	54154.6883	215659	–0.0018	SAH	0.0010
AE UMa	54154.7800	215660	0.0039	SAH	0.0009
AE UMa	54154.8618	215661	–0.0003	SAH	0.0006
AE UMa	54414.8939	218684	0.0022	SAH	0.0008
AE UMa	54414.9804	218685	0.0027	SAH	0.0007
AE UMa	54417.7271	218717	–0.0031	SAH	0.0006
AE UMa	54417.9058	218719	0.0035	SAH	0.0006
AE UMa	54417.9856	218720	–0.0027	SAH	0.0005
AE UMa	54440.6958	218984	–0.0010	SAH	0.0010
AE UMa	54442.7619	219008	0.0007	SAH	0.0009
AE UMa	54442.8516	219009	0.0044	SAH	0.0011
AE UMa	54442.9342	219010	0.0010	SAH	0.0013
AE UMa	54451.6243	219111	0.0034	SAH	0.0012
AE UMa	54460.6513	219216	–0.0014	SAH	0.0008
AE UMa	54460.7433	219217	0.0046	SAH	0.0007
AE UMa	54460.8247	219218	–0.0001	SAH	0.0005
AE UMa	54460.9089	219219	–0.0019	SAH	0.0006
AE UMa	54467.7955	219299	0.0034	SAH	0.0006
AE UMa	54468.7392	219310	0.0009	SAH	0.0006
AE UMa	54468.8220	219311	–0.0023	SAH	0.0007
AE UMa	54468.9120	219312	0.0016	SAH	0.0009
AE UMa	54469.6815	219321	–0.0030	SAH	0.0006
AE UMa	54469.7701	219322	–0.0004	SAH	0.0008
AE UMa	54469.8603	219323	0.0037	SAH	0.0006
AE UMa	54469.9414	219324	–0.0012	SAH	0.0006
AE UMa	54769.8859	222811	0.0019	SAH	0.0010
AE UMa	54770.8336	222822	0.0034	SAH	0.0005
AE UMa	54770.9152	222823	–0.0010	SAH	0.0005
AE UMa	54781.8384	222950	–0.0020	SAH	0.0007
AE UMa	54781.9301	222951	0.0037	SAH	0.0010
AE UMa	54788.8080	223031	0.0002	SAH	0.0006

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
AE UMa	54788.8912	223032	–0.0026	SAH	0.0006
AE UMa	54788.9833	223033	0.0035	SAH	0.0012
AE UMa	54791.7333	223065	0.0009	SAH	0.0006
AE UMa	54791.8157	223066	–0.0027	SAH	0.0005
AE UMa	54791.9080	223067	0.0036	SAH	0.0011
AE UMa	54791.9938	223068	0.0034	SAH	0.0005
AE UMa	54807.8222	223252	0.0046	SAH	0.0006
AE UMa	54807.9032	223253	–0.0004	SAH	0.0005
AE UMa	54807.9866	223254	–0.0030	SAH	0.0007
AE UMa	54816.6793	223355	0.0020	SAH	0.0006
AE UMa	54816.7612	223356	–0.0021	SAH	0.0006
AE UMa	54816.8501	223357	0.0007	SAH	0.0012
AE UMa	54816.9399	223358	0.0045	SAH	0.0009
AE UMa	54837.6637	223599	–0.0018	SAH	0.0009
AE UMa	54837.7565	223600	0.0050	SAH	0.0009
AE UMa	54843.6886	223669	0.0019	SAH	0.0007
AE UMa	54843.7704	223670	–0.0023	SAH	0.0008
AE UMa	54843.8567	223671	–0.0020	SAH	0.0009
AE UMa	54843.9494	223672	0.0047	SAH	0.0010
AE UMa	54846.6137	223703	0.0024	SAH	0.0008
AE UMa	54846.6960	223704	–0.0013	SAH	0.0007
AE UMa	54847.7336	223716	0.0041	SAH	0.0008
AE UMa	54847.8164	223717	0.0009	SAH	0.0007
AE UMa	54847.8988	223718	–0.0027	SAH	0.0006
AE UMa	54855.6469	223808	0.0039	SAH	0.0010
AE UMa	54855.7316	223809	0.0025	SAH	0.0010
AE UMa	54855.8119	223810	–0.0032	SAH	0.0006
AE UMa	54855.9023	223811	0.0012	SAH	0.0010
AE UMa	54864.5873	223912	–0.0015	SAH	0.0005
AE UMa	54864.6724	223913	–0.0024	SAH	0.0007
AE UMa	54864.7649	223914	0.0040	SAH	0.0009
AE UMa	54864.8477	223915	0.0008	SAH	0.0006
AE UMa	54864.9296	223916	–0.0033	SAH	0.0006
AE UMa	54868.6346	223959	0.0030	SAH	0.0008
AE UMa	54868.7166	223960	–0.0010	SAH	0.0008
AE UMa	54868.8033	223961	–0.0004	SAH	0.0014
AE UMa	54868.8941	223962	0.0044	SAH	0.0009
AE UMa	54878.6935	224076	–0.0021	SAH	0.0006

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Table 1. Recent times of maxima of stars in the AAVSO RR Lyrae program, cont.

Star	*JD (max) Hel. 2400000+*	*Cycle*	*O-C*	*Observer**	*Error*
AE UMa	54878.7811	224077	–0.0005	SAH	0.0008
AE UMa	54878.8721	224078	0.0044	SAH	0.0009

**Observers: BM, M. Baldwin; BIZ, J. Bialozynski; BKS, S. Brady; GHS, H. Gerner; HAV, R. Harvan; HES, C. Hesseltine; MKE, R. Manske; MZK, K. Menzies; NMI, M. Nicholas; PRX, R. Poklar; SRIC, R. Sabo; SAH, G. Samolyk; SNE, N. Simmons; VJA, J. Virtanen.*