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THE GEOS RR Lyr SURVEY

Tenth list of maxima of RR Lyr stars observed by the automated telescopes TAROT

(GEOS Circular RR 37)

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We present here the tenth list of light maxima of RR Lyrae stars from the GEOS RR Lyr Survey (Le Borgne et al. 2007), a GEOS program (<http://www.upv.es/geos/>, Boninsegna et al., 2002) of observations of RR Lyr stars using the automatic telescopes TAROT (<http://tarot.obs-hp.fr>, Boër et al., 2001, Bringer et al., 1999). The present list contains 453 maxima observed mainly between July and December 2008 (Table 1). A description of the present list may be found in the former lists (for example Le Borgne et al. 2008). The data are also available in the GEOS RR Lyr web database (<http://dbRR.ast.obs-mip.fr>). The $O - C$'s are computed with the GCVS elements (Kholopov et al., 1985) when available. Otherwise, the reference of the elements, if exists, is given as a footnote of Table 1.

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Table 1: maxima of RR Lyrae stars

Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.	Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.
SW And	54708.518±0.002	-0.784	82700.	C	TZ Aqr	54702.446±0.003	0.010	30031.	C
SW And	54712.499±0.003	-0.784	82709.	C	TZ Aqr	54706.446±0.003	0.012	30038.	C
SW And	54736.380±0.001	-0.786	82763.	C	TZ Aqr	54718.444±0.004	0.015	30059.	C
SW And	54750.534±0.002	-0.785	82795.	C	TZ Aqr	54734.435±0.003	0.012	30087.	C
SW And	54766.457±0.002	-0.784	82831.	C	BN Aqr	54708.421±0.004	0.581	35847.	C
SW And	54802.279±0.004	-0.787	82912.	C	BR Aqr	54708.532±0.002	-0.160	35429.	C
XX And	54679.495±0.003	0.234	21573.	C	BR Aqr	54709.497±0.003	-0.159	35431.	C
XX And	54692.504±0.002	0.233	21591.	C	BR Aqr	54710.460±0.002	-0.160	35433.	C
XX And	54705.513±0.003	0.233	21609.	C	BR Aqr	54736.483±0.002	-0.158	35487.	C
XX And	54739.479±0.002	0.230	21656.	C	BR Aqr	54739.372±0.003	-0.161	35493.	C
XX And	54744.544±0.004	0.236	21663.	C	BR Aqr	54765.389±0.002	-0.165	35547.	C
XX And	54750.329±0.003	0.239	21671.	C	BR Aqr	54767.320±0.004	-0.162	35551.	C
XX And	54786.465±0.004	0.237	21721.	C	CP Aqr	54674.479±0.002	-0.112	36232.	C
XX And	54791.520±0.002	0.233	21728.	C	CP Aqr	54681.429±0.002	-0.114	36247.	C
XX And	54797.306±0.003	0.237	21736.	C	CP Aqr	54688.381±0.003	-0.113	36262.	C
XX And	54802.363±0.002	0.235	21743.	C	CP Aqr	54699.502±0.003	-0.113	36286.	C
XX And	54823.324±0.002	0.236	21772.	C	CP Aqr	54712.480±0.004	-0.111	36314.	C
XX And	54828.381±0.003	0.234	21779.	C	AA Aql	54672.407±0.002	0.034	83820.	C
ZZ And	54750.428±0.002	0.024	53959.	C	AA Aql	54677.472±0.004	0.034	83834.	C
AT And	54677.396±0.005	-0.001	19993.	C	AA Aql	54681.453±0.002	0.035	83845.	C
AT And	54709.470±0.003	-0.007	20045.	C	AA Aql	54702.436±0.001	0.035	83903.	C
AT And	54722.426±0.007	-0.006	20066.	C	V341 Aql	54681.501±0.002	0.031	23330.	C
AT And	54767.464±0.008	-0.003	20139.	C	V341 Aql	54688.438±0.003	0.032	23342.	C
AT And	54790.286±0.004	-0.006	20176.	C	V341 Aql	54699.422±0.002	0.033	23361.	C
AT And	54793.373±0.005	-0.004	20181.	C	V341 Aql	54703.467±0.003	0.032	23368.	C
AT And	54796.458±0.003	-0.004	20186.	C	V341 Aql	54736.412±0.002	0.030	23425.	C
CI And	54704.499±0.002	0.112	39169.	C	X Ari	54752.598±0.005	0.351	26367.	C
CI And	54705.469±0.003	0.113	39171.	C	X Ari	54765.621±0.002	0.351	26387.	C
CI And	54706.437±0.003	0.111	39173.	C	X Ari	54788.410±0.002	0.350	26422.	C
CI And	54722.431±0.003	0.109	39206.	C	X Ari	54807.294±0.004	0.351	26451.	C
CI And	54751.513±0.002	0.108	39266.	C	SY Ari	54751.377±0.003	-0.057	32904.	C
CI And	54786.406±0.002	0.102	39338.	C	TZ Aur	54755.611±0.002	0.013	88985.	C
CI And	54787.376±0.002	0.102	39340.	C	TZ Aur	54818.670±0.003	0.012	89146.	C
CI And	54806.279±0.002	0.101	39379.	C	TZ Aur	54819.453±0.002	0.012	89148.	C
DM And	54744.469±0.005	0.007	30183.	C	TZ Aur	54825.328±0.002	0.012	89163.	C
DM And	54749.506±0.004	0.001	30191.	C	BH Aur	54743.613±0.002	0.002	26293.	C
DR And	54787.336±0.002	-0.012	31196.	C	BH Aur	54749.541±0.003	0.001	26306.	C
DR And	54828.412±0.004	-0.044	31269.	C	BH Aur	54754.558±0.003	0.001	26317.	C
NX And ¹	54791.516±0.004	0.007	24921.	C	BH Aur	54766.418±0.002	0.002	26343.	C
NX And ¹	54797.350±0.005	0.008	24930.	C	BH Aur	54802.448±0.002	0.001	26422.	C
NX And ¹	54828.463±0.005	0.015	24978.	C	BH Aur	54808.376±0.003	0.000	26435.	C
EX Aps	54650.608±0.002	0.015	56628.	LS	U Cae	54804.622±0.002	-0.113	48810.	LS
SW Aqr	54677.421±0.002	0.001	64402.	C	U Cae	54809.652±0.002	-0.121	48822.	LS
SW Aqr	54682.471±0.003	-0.002	64413.	C	AH Cam	54752.389±0.005	-0.431	43455.	C
SW Aqr	54699.468±0.002	0.001	64450.	C	AH Cam	54788.514±0.005	-0.442	43553.	C
SW Aqr	54700.385±0.002	-0.001	64452.	C	AH Cam	54807.319±0.005	-0.442	43604.	C
SW Aqr	54705.437±0.001	-0.001	64463.	C	AH Cam	54822.463±0.003	-0.417	43645.	C
SW Aqr	54727.484±0.003	-0.001	64511.	C	RW Cnc	54785.623±0.003	0.214	27831.	C
SX Aqr	54672.457±0.002	-0.117	27769.	C	RW Cnc	54796.568±0.003	0.215	27851.	C
SX Aqr	54679.423±0.003	-0.115	27782.	C	RW Cnc	54807.515±0.003	0.218	27871.	C
SX Aqr	54686.386±0.004	-0.116	27795.	C	SS Cnc	54807.455±0.003	0.053	86375.	C
SX Aqr	54708.353±0.005	-0.113	27836.	C	SS Cnc	54819.575±0.002	0.051	86408.	C
SX Aqr	54739.420±0.002	-0.118	27894.	C	SS Cnc	54825.451±0.002	0.050	86424.	C
SX Aqr	54746.386±0.001	-0.116	27907.	C	TT Cnc	54820.662±0.002	0.104	26402.	C
TZ Aqr	54678.460±0.005	0.014	29989.	C	TT Cnc	54828.547±0.004	0.101	26416.	C
TZ Aqr	54682.456±0.005	0.012	29996.	C	AN Cnc	54785.631±0.002	0.148	30111.	C

Table 1 (cont.): maxima of RR Lyrae stars

Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.	Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.
AN Cnc	54803.556±0.005	0.149	30144.	C	RX Col	54801.694±0.004	-0.254	43750.	LS
AN Cnc	54828.539±0.002	0.146	30190.	C	RX Col	54804.658±0.005	-0.260	43755.	LS
AS Cnc	54827.731±0.003	0.364	25306.	C	RX Col	54810.599±0.005	-0.260	43765.	LS
EZ Cnc ²	54823.575±0.002	-0.036	14053.	C	RY Col	54776.731±0.005	-0.186	42740.	LS
EZ Cnc ²	54824.669±0.002	-0.034	14055.	C	RY Col	54777.691±0.005	-0.184	42742.	LS
Z CVn	54832.647±0.005	0.398	24320.	C	RY Col	54778.646±0.004	-0.187	42744.	LS
UZ CVn	54824.601±0.002	0.248	40696.	C	RY Col	54789.657±0.007	-0.190	42767.	LS
AA CMi	54791.567±0.002	0.060	38241.	C	RY Col	54790.616±0.003	-0.188	42769.	LS
AA CMi	54799.668±0.002	0.064	38258.	C	RY Col	54801.644±0.002	-0.174	42792.	LS
AA CMi	54802.527±0.004	0.065	38264.	C	RY Col	54802.604±0.002	-0.172	42794.	LS
AA CMi	54803.477±0.002	0.062	38266.	C	AV Col	54810.627±0.003			LS
AA CMi	54821.579±0.003	0.064	38304.	C	S Com	54823.642±0.003	-0.097	24155.	C
AA CMi	54827.769±0.002	0.062	38317.	LS	UY Cyg	54661.409±0.002	0.053	57477.	C
AL CMi	54799.546±0.005	0.458	33064.	C	UY Cyg	54684.403±0.003	0.058	57518.	C
EE Car	54823.818±0.005	0.017	44600.	LS	UY Cyg	54704.586±0.003	0.056	57554.	C
IU Car	54777.828±0.005	0.303	17747.	LS	XZ Cyg ³	54655.501±0.003	-0.001	13041.	C
IU Car	54791.837±0.004	0.307	17766.	LS	XZ Cyg ³	54656.434±0.002	-0.001	13043.	C
IU Car	54808.790±0.003	0.305	17789.	LS	XZ Cyg ³	54726.433±0.003	0.008	13193.	C
IU Cas	54745.627±0.003	-0.086	40034.	C	XZ Cyg ³	54727.369±0.003	0.011	13195.	C
IU Cas	54751.474±0.003	-0.084	40043.	C	DM Cyg	54674.435±0.004	0.061	28800.	C
IU Cas	54803.422±0.002	-0.086	40123.	C	DM Cyg	54700.468±0.002	0.063	28862.	C
V363 Cas	54696.408±0.006	0.582	33947.	C	DM Cyg	54703.406±0.002	0.062	28869.	C
V363 Cas	54702.412±0.008	0.574	33958.	C	DM Cyg	54718.522±0.003	0.063	28905.	C
V363 Cas	54720.455±0.010	0.582	33991.	C	DM Cyg	54721.464±0.003	0.066	28912.	C
V363 Cas	54749.425±0.005	0.585	34044.	C	DM Cyg	54727.337±0.002	0.061	28926.	C
V363 Cas	54790.404±0.005	0.574	34119.	C	V939 Cyg ⁴	54656.399±0.006	0.018	12561.	C
V363 Cas	54791.512±0.005	0.589	34121.	C	V939 Cyg ⁴	54718.409±0.003	0.023	12721.	C
AQ Cep	54750.480±0.002	0.062	40866.	C	ZZ Del	54745.334±0.002	0.011	32786.	C
RR Cet	54718.538±0.002	0.006	38944.	C	ZZ Del	54758.336±0.006	0.008	32811.	C
RR Cet	54749.506±0.002	0.005	39000.	C	BV Del	54765.322±0.002	0.021	69047.	C
RR Cet	54776.603±0.002	0.003	39049.	LS	DX Del	54676.399±0.003	0.058	32392.	C
RR Cet	54785.455±0.002	0.007	39065.	C	DX Del	54684.435±0.002	0.059	32409.	C
RR Cet	54787.665±0.002	0.005	39069.	LS	DX Del	54700.504±0.004	0.059	32443.	C
RR Cet	54790.434±0.002	0.008	39074.	C	DX Del	54717.515±0.002	0.056	32479.	C
RR Cet	54792.644±0.003	0.006	39078.	LS	DX Del	54726.499±0.003	0.061	32498.	C
RR Cet	54794.305±0.003	0.008	39081.	C	DX Del	54729.334±0.003	0.060	32504.	C
RR Cet	54820.295±0.002	0.006	39128.	C	DX Del	54745.402±0.002	0.059	32538.	C
RR Cet	54825.274±0.002	0.008	39137.	C	DX Del	54754.382±0.002	0.059	32557.	C
RR Cet	54826.376±0.005	0.004	39139.	C	VW Dor	54778.670±0.003	-0.114	28740.	LS
RV Cet	54789.649±0.006	0.194	25146.	LS	VW Dor	54782.668±0.002	-0.111	28747.	LS
RV Cet	54794.634±0.003	0.192	25154.	LS	VW Dor	54794.660±0.002	-0.101	28768.	LS
RV Cet	54804.625±0.006	0.208	25170.	LS	VW Dor	54802.638±0.002	-0.112	28782.	LS
RZ Cet	54787.657±0.005	-0.151	40894.	LS	XZ Dra	54696.480±0.002	-0.108	26796.	C
RZ Cet	54788.683±0.005	-0.146	40896.	LS	BC Dra	54703.448±0.005	0.086	17267.	C
RZ Cet	54797.363±0.002	-0.146	40913.	C	BC Dra	54705.606±0.006	0.085	17270.	C
RZ Cet	54819.325±0.005	-0.140	40956.	C	BC Dra	54752.386±0.008	0.093	17335.	C
RZ Cet	54820.339±0.002	-0.148	40958.	C	BC Dra	54788.359±0.005	0.087	17385.	C
RT Col	54809.651±0.005	-0.265	50374.	LS	BD Dra	54672.454±0.002	0.719	21895.	C
RT Col	54825.748±0.002	-0.266	50404.	LS	BD Dra	54692.483±0.003	0.721	21929.	C
RW Col	54778.724±0.006	-0.085	50961.	LS	BD Dra	54718.399±0.003	0.718	21973.	C
RW Col	54790.726±0.004	-0.255	50984.	LS	BD Dra	54722.512±0.006	0.708	21980.	C
RW Col	54801.633±0.003	0.067	51004.	LS	BD Dra	54752.516±0.010	0.670	22031.	C
RW Col	54807.631±0.002	0.243	51015.	LS	BD Dra	54787.305±0.002	0.705	22090.	C
RW Col	54825.641±0.003	0.260	51049.	LS	BD Dra	54788.482±0.002	0.704	22092.	C
RX Col	54782.707±0.005	-0.232	43718.	LS	BK Dra	54659.481±0.003	-0.155	49210.	C
RX Col	54788.634±0.004	-0.245	43728.	LS	BK Dra	54662.443±0.002	-0.153	49215.	C

Table 1 (cont.): maxima of RR Lyrae stars

Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.	Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.
BK Dra	54694.412±0.002	-0.156	49269.	C	BD Her	54661.409±0.003	0.064	46493.	C
BK Dra	54704.477±0.002	-0.157	49286.	C	BD Her	54679.405±0.006	0.051	46531.	C
RX Eri	54776.743±0.004	-0.014	56338.	LS	UU Hor	54778.778±0.004	0.157	46694.	LS
RX Eri	54779.683±0.004	-0.010	56343.	LS	UU Hor	54780.706±0.004	0.154	46697.	LS
RX Eri	54793.780±0.003	-0.007	56367.	LS	UU Hor	54787.790±0.004	0.158	46708.	LS
SV Eri	54779.705±0.010	0.776	26936.	LS	UU Hor	54791.652±0.002	0.157	46714.	LS
SV Eri	54794.689±0.008	0.770	26957.	LS	UU Hor	54809.677±0.005	0.159	46742.	LS
SV Eri	54804.686±0.010	0.774	26971.	LS	SZ Hya	54822.559±0.003	-0.239	26326.	C
BB Eri	54778.652±0.002	0.235	26705.	LS	SZ Hya	54829.588±0.002	-0.194	26339.	C
BB Eri	54779.794±0.004	0.237	26707.	LS	UU Hya	54802.643±0.005	0.034	29251.	C
BB Eri	54787.768±0.003	0.233	26721.	LS	UU Hya	54813.630±0.005	0.020	29272.	C
BB Eri	54791.759±0.002	0.234	26728.	LS	UU Hya	54824.618±0.003	0.007	29293.	C
BB Eri	54794.605±0.003	0.231	26733.	LS	FY Hya	54650.617±0.003	0.003	21301.	LS
BB Eri	54803.730±0.004	0.237	26749.	LS	TW Hyi	54802.718±0.002	0.008	22709.	LS
BB Eri	54827.663±0.002	0.235	26791.	LS	TW Hyi	54806.774±0.004	0.011	22715.	LS
RX For	54776.768±0.004	-0.013	25021.	LS	TW Hyi	54823.657±0.003	0.010	22740.	LS
RX For	54779.755±0.003	-0.012	25026.	LS	CQ Lac	54656.450±0.003	0.138	31643.	C
RX For	54803.620±0.002	-0.040	25066.	LS	CQ Lac	54674.429±0.003	0.136	31672.	C
RX For	54806.623±0.003	-0.023	25071.	LS	CQ Lac	54746.352±0.001	0.135	31788.	C
SS For	54775.808±0.006	-0.133	32511.	LS	CQ Lac	54790.377±0.002	0.137	31859.	C
SS For	54776.796±0.003	-0.136	32513.	LS	PW Lac	54765.419±0.002	0.161	33661.	C
SS For	54787.693±0.003	-0.138	32535.	LS	RR Leo	54796.690±0.002	0.093	25423.	C
SS For	54790.669±0.002	-0.135	32541.	LS	RR Leo	54821.573±0.002	0.094	25478.	C
SS For	54792.654±0.005	-0.131	32545.	LS	RX Leo	54823.526±0.004	0.095	28339.	C
SS For	54793.643±0.004	-0.133	32547.	LS	RX Leo	54832.671±0.003	0.092	28353.	C
SS For	54794.636±0.002	-0.131	32549.	LS	ST Leo	54832.658±0.002	-0.020	56298.	C
SW For	54776.684±0.005	0.416	25422.	LS	WW Leo	54824.555±0.003	0.039	33080.	C
SW For	54780.704±0.004	0.417	25427.	LS	AX Leo	54823.663±0.005	-0.032	40696.	C
SW For	54792.764±0.006	0.421	25442.	LS	V LMi	54822.536±0.002	0.030	64885.	C
SW For	54805.622±0.006	0.419	25458.	LS	X LMi	54796.542±0.003	0.214	22791.	C
SX For	54776.645±0.004	0.044	25801.	LS	X LMi	54813.642±0.005	0.206	22816.	C
SX For	54779.673±0.004	0.046	25806.	LS	U Lep	54775.768±0.003	0.044	23085.	LS
SX For	54788.750±0.005	0.043	25821.	LS	U Lep	54778.673±0.004	0.042	23090.	LS
SX For	54791.780±0.006	0.046	25826.	LS	U Lep	54789.727±0.005	0.047	23109.	LS
SX For	54825.678±0.004	0.045	25882.	LS	U Lep	54792.629±0.004	0.042	23114.	LS
RR Gem	54808.549±0.002	-0.401	33857.	C	U Lep	54803.680±0.002	0.045	23133.	LS
RR Gem	54820.470±0.002	-0.399	33887.	C	U Lep	54824.612±0.003	0.044	23169.	LS
RR Gem	54822.455±0.001	-0.401	33892.	C	AZ Lib	54650.580±0.002	0.177	40938.	LS
RR Gem	54826.431±0.002	-0.398	33902.	C	TT Lyn	54820.493±0.003	-0.037	30412.	C
SZ Gem	54807.593±0.001	-0.057	55102.	C	TT Lyn	54821.687±0.002	-0.037	30414.	C
SZ Gem	54819.620±0.002	-0.058	55126.	C	TT Lyn	54823.483±0.003	-0.034	30417.	C
SZ Gem	54825.633±0.002	-0.058	55138.	C	TW Lyn	54756.569±0.002	0.057	20201.	C
SZ Gem	54829.642±0.002	-0.058	55146.	C	TW Lyn	54829.327±0.002	0.054	20352.	C
GI Gem	54765.539±0.002	0.069	56360.	C	RZ Lyr	54688.384±0.002	-0.019	26416.	C
GI Gem	54824.464±0.002	0.069	56496.	C	RZ Lyr	54694.520±0.002	-0.018	26428.	C
TW Her	54664.477±0.002	-0.013	82881.	C	AW Lyr	54703.390±0.005	-0.004	59045.	C
TW Her	54678.465±0.005	-0.011	82916.	C	AW Lyr	54696.426±0.004	-0.004	59031.	C
TW Her	54682.460±0.003	-0.012	82926.	C	CN Lyr	54659.425±0.003	0.018	24729.	C
TW Her	54684.457±0.004	-0.013	82931.	C	CN Lyr	54682.463±0.005	0.018	24785.	C
TW Her	54704.439±0.003	-0.011	82981.	C	CN Lyr	54696.454±0.003	0.022	24819.	C
VZ Her	54661.433±0.002	0.066	40589.	C	CN Lyr	54703.448±0.003	0.023	24836.	C
VZ Her	54672.442±0.004	0.067	40614.	C	CN Lyr	54717.429±0.003	0.017	24870.	C
VZ Her	54687.413±0.002	0.067	40648.	C	CN Lyr	54722.365±0.004	0.016	24882.	C
VZ Her	54694.458±0.002	0.067	40664.	C	CN Lyr	54729.360±0.003	0.018	24899.	C
AR Her	54683.436±0.002	-1.259	28148.	C	CN Lyr	54736.353±0.003	0.017	24916.	C
AR Her	54684.375±0.002	-1.260	28150.	C	IO Lyr	54664.489±0.002	-0.033	26070.	C

Table 1 (cont.): maxima of RR Lyrae stars

Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.	Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.
IO Lyr	54686.420±0.002	-0.033	26108.	C	ET Peg	54744.292±0.002	-0.047	32130.	C
IO Lyr	54694.498±0.003	-0.035	26122.	C	ET Peg	54758.494±0.002	-0.051	32159.	C
IO Lyr	54697.383±0.002	-0.035	26127.	C	AR Per	54743.604±0.002	0.055	64638.	C
IO Lyr	54712.389±0.004	-0.035	26153.	C	AR Per	54752.545±0.005	0.059	64659.	C
IO Lyr	54727.391±0.002	-0.038	26179.	C	AR Per	54788.289±0.002	0.057	64743.	C
NR Lyr	54669.423±0.004	-0.024	27257.	C	AR Per	54797.649±0.003	0.055	64765.	C
NR Lyr	54742.398±0.003	-0.026	27364.	C	AR Per	54808.288±0.003	0.056	64790.	C
V340 Lyr	54688.388±0.004	-0.040	42402.	C	AR Per	54828.290±0.003	0.057	64837.	C
V340 Lyr	54709.426±0.003	-0.043	42438.	C	TZ Phe	54775.750±0.010			LS
AV Men	54810.632±0.004			LS	TZ Phe	54780.674±0.010			LS
DV Mon	54823.676±0.002	0.075	71547.	LS	TZ Phe	54788.674±0.006			LS
DY Oct	54808.728±0.003			LS	U Pic	54777.677±0.002	0.062	29773.	LS
DY Oct	54809.841±0.002			LS	U Pic	54781.640±0.001	0.061	29782.	LS
DY Oct	54823.795±0.003			LS	U Pic	54788.687±0.004	0.063	29798.	LS
DZ Oct	54810.797±0.004			LS	U Pic	54802.777±0.002	0.061	29830.	LS
DZ Oct	54824.646±0.003			LS	U Pic	54803.660±0.002	0.063	29832.	LS
DZ Oct	54825.601±0.003			LS	XX Pup	54823.766±0.004	0.483	25233.	LS
V455 Oph	54657.461±0.004	-0.264	28253.	C	CR Pup	54807.677±0.006	-0.321	38222.	LS
V455 Oph	54682.424±0.003	-0.266	28308.	C	HH Pup	54787.736±0.003	0.010	41683.	LS
CM Ori	54807.708±0.006	-0.020	44989.	LS	HH Pup	54807.664±0.002	0.010	41734.	LS
CM Ori	54824.764±0.002	-0.018	45015.	LS	HH Pup	54823.686±0.002	0.012	41775.	LS
V964 Ori	54790.626±0.002	-0.401	46152.	LS	X Ret	54783.827±0.002	0.206	31190.	LS
V964 Ori	54791.635±0.003	-0.401	46154.	LS	X Ret	54787.765±0.003	0.208	31198.	LS
V964 Ori	54792.644±0.004	-0.401	46156.	LS	X Ret	54788.751±0.003	0.210	31200.	LS
V964 Ori	54801.728±0.002	-0.401	46174.	LS	X Ret	54790.716±0.003	0.207	31204.	LS
V964 Ori	54802.739±0.003	-0.399	46176.	LS	X Ret	54823.672±0.002	0.200	31271.	LS
TY Pav	54650.846±0.005	0.257	18466.	LS	V756 Sgr	54650.642±0.002	0.098	48125.	LS
VV Peg	54676.453±0.003	-0.026	31301.	C	VW Scl	54781.574±0.002	-0.016	52792.	LS
VV Peg	54717.478±0.001	-0.025	31385.	C	VW Scl	54783.618±0.002	-0.015	52796.	LS
VV Peg	54739.457±0.002	-0.024	31430.	C	VX Scl	54793.675±0.003	-0.746	20680.	LS
VV Peg	54767.296±0.002	-0.023	31487.	C	AE Scl	54777.673±0.005	0.225	24650.	LS
VV Peg	54787.318±0.001	-0.024	31528.	C	AE Scl	54782.626±0.003	0.227	24659.	LS
AV Peg	54676.420±0.003	0.115	27886.	C	AE Scl	54788.677±0.003	0.227	24670.	LS
AV Peg	54683.448±0.002	0.116	27904.	C	AE Scl	54793.625±0.002	0.224	24679.	LS
AV Peg	54692.425±0.002	0.115	27927.	C	SS Tau	54804.728±0.005	0.416	42634.	LS
AV Peg	54702.579±0.003	0.119	27953.	C	W Tuc	54775.613±0.003	0.162	27867.	LS
AV Peg	54720.535±0.004	0.118	27999.	C	W Tuc	54780.757±0.005	0.168	27875.	LS
AV Peg	54754.497±0.002	0.117	28086.	C	W Tuc	54782.682±0.003	0.166	27878.	LS
AV Peg	54787.289±0.002	0.118	28170.	C	W Tuc	54784.606±0.002	0.164	27881.	LS
AV Peg	54794.317±0.003	0.119	28188.	C	W Tuc	54807.724±0.003	0.161	27917.	LS
BF Peg	54745.471±0.003	-0.056	23767.	C	YY Tuc	54778.604±0.002	0.166	20289.	LS
BH Peg	54678.519±0.008	-0.084	23890.	C	AE Tuc	54776.676±0.005	-0.066	49482.	LS
BH Peg	54791.310±0.005	-0.108	24066.	C	AE Tuc	54779.578±0.001	-0.065	49489.	LS
CG Peg	54687.479±0.004	-0.049	33363.	C	AE Tuc	54781.650±0.001	-0.065	49494.	LS
CG Peg	54702.427±0.002	-0.049	33395.	C	AE Tuc	54790.770±0.002	-0.060	49516.	LS
CG Peg	54717.377±0.002	-0.048	33427.	C	AE Tuc	54791.598±0.001	-0.061	49518.	LS
CG Peg	54744.476±0.004	-0.043	33485.	C	AE Tuc	54793.671±0.002	-0.060	49523.	LS
CG Peg	54758.483±0.002	-0.050	33515.	C	AB UMa	54820.657±0.010	0.134	31010.	C
CG Peg	54788.379±0.003	-0.051	33579.	C	AB UMa	54829.639±0.005	0.123	31025.	C
CV Peg	54796.244±0.003	-0.056	53389.	C	EX UMa	54791.467±0.005	0.035	10645.	C
DZ Peg	54681.465±0.002	0.161	34231.	C	EX UMa	54818.597±0.004	0.023	10695.	C
DZ Peg	54729.457±0.005	0.173	34310.	C	KT UMa	54819.548±0.004	0.042	9172.	C
DZ Peg	54746.447±0.002	0.157	34338.	C	SV Vol	54791.692±0.003	0.098	34476.	LS
DZ Peg	54766.490±0.002	0.158	34371.	C	SV Vol	54794.741±0.003	0.119	34484.	LS
DZ Peg	54788.357±0.003	0.161	34407.	C	SV Vol	54802.669±0.002	0.099	34505.	LS
ET Peg	54665.432±0.004	-0.044	31969.	C	SV Vol	54805.723±0.003	0.124	34513.	LS

Table 1 (cont.): maxima of RR Lyrae stars

Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.	Variable star	Maximum HJD 24. . .	$O - C$ (days)	E	Obs.
SV Vol	54808.772±0.003	0.145	34521.	LS	BN Vul	54729.366±0.002	0.064	15483.	C
SV Vol	54824.635±0.002	0.112	34563.	LS	BN Vul	54751.349±0.002	0.064	15520.	C
BN Vul	54679.458±0.005	0.063	15399.	C					

* C = Calern, LS = La Silla
1 Meinunger, 1984
2 Boninsegna, 1990
3 Baldwin and Samolyk, 2003
4 Agerer and Moschner, 1996