

Recent Maxima of 85 Short Period Pulsating Stars

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Abstract This paper contains times of maxima for 85 short period pulsating stars (primarily RR Lyrae and δ Scuti stars). This represents the CCD observations received by the AAVSO's Short Period Pulsator (SPP) Section in 2017.

1. Recent observations

This accompanying list contains times of maxima calculated from CCD observations made by participants in the AAVSO's Short Period Pulsator (SPP) Section. This list will be web-archived and made available through the AAVSO ftp site at <ftp://ftp.aavso.org/public/datasets/gsamj471spp85.txt>. The error estimate is included. RR Lyr stars in this list, along with data from earlier AAVSO publications, are included in the GEOS database at: <http://rr-lyr.irap.omp.eu/dbrr/>. This database does not include δ Scuti stars. All observations were reduced by the writer using the PERANSO program (Vanmunster 2007). Column F indicates the filter used. A "C" indicates a clear filter.

The linear elements in the *General Catalogue of Variable Stars* (Kholopov *et al.* 1985) were used to compute the O–C values for most stars. For a few exceptions where the GCVS elements are missing or are in significant error, light elements from another source are used: VY CrB (Antipin 1996); RZ Cap and DG Hya (Samolyk 2010); V2416 Cyg (Samolyk 2018); V2771 Cyg (AAVSO VSX site; Watson *et al.* 2014); CV Peg

and FR Psc (Le Borgne 2000–2017); and GW UMa (Hintz *et al.* 2001).

References

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

<i>Star</i>	<i>JD (max)</i> <i>Hel.</i> 2400000+	<i>Cycle</i>	<i>O–C</i> <i>(day)</i>	<i>F</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>	<i>Star</i>	<i>JD (max)</i> <i>Hel.</i> 2400000+	<i>Cycle</i>	<i>O–C</i> <i>(day)</i>	<i>F</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>
SW And	58317.8056	90860	–0.4971	V	G. Samolyk	0.0007	AT And	58395.5355	26020	–0.0068	V	T. Arranz	0.0015
SW And	58372.6468	90984	–0.4985	V	G. Samolyk	0.0008	AT And	58413.4229	26049	–0.0099	V	T. Arranz	0.0018
SW And	58381.4929	91004	–0.4980	V	T. Arranz	0.0008	AT And	58426.3802	26070	–0.0078	V	T. Arranz	0.0014
SW And	58389.4511	91022	–0.5008	V	T. Arranz	0.0007	AT And	58461.5459	26127	–0.0063	V	G. Samolyk	0.0014
SW And	58400.5087	91047	–0.5002	V	T. Arranz	0.0008	DY And	58300.8707	36858	–0.1759	V	T. Polakis	0.0019
SW And	58408.4704	91065	–0.4996	V	T. Arranz	0.0009	GM And	58340.8492	46267	0.0437	V	K. Menzies	0.0016
SW And	58409.8055	91068	–0.4913	V	R. Sabo	0.0029	SW Aqr	58355.5192	72410	–0.0012	V	T. Arranz	0.0008
SW And	58436.3315	91128	–0.5021	V	T. Arranz	0.0007	SW Aqr	58356.4389	72412	–0.0001	V	T. Arranz	0.0009
SW And	58440.3127	91137	–0.5014	V	T. Arranz	0.0009	TZ Aqr	58343.8116	36406	0.0119	V	G. Samolyk	0.0021
SW And	58455.3469	91171	–0.5047	V	T. Arranz	0.0009	YZ Aqr	58371.7931	41685	0.0828	V	G. Samolyk	0.0015
XX And	58330.8652	26625	0.2853	V	G. Samolyk	0.0018	AA Aqr	58360.7646	61772	–0.1797	V	G. Samolyk	0.0019
XX And	58346.7650	26647	0.2847	V	G. Samolyk	0.0017	AA Aqr	58390.6018	61821	–0.1781	V	G. Samolyk	0.0015
XX And	58377.8433	26690	0.2848	V	K. Menzies	0.0015	BO Aqr	58407.7046	24187	0.2247	V	G. Samolyk	0.0022
XX And	58399.5246	26720	0.2837	V	T. Arranz	0.0013	BR Aqr	58410.7406	43112	–0.2243	V	G. Samolyk	0.0011
XX And	58409.6334	26734	0.2740	V	R. Sabo	0.0035	CY Aqr	58390.3259	394537	0.0157	V	T. Arranz	0.0003
XX And	58425.5440	26756	0.2842	V	T. Arranz	0.0011	CY Aqr	58390.3866	394538	0.0153	V	T. Arranz	0.0003
XX And	58449.3932	26789	0.2828	V	T. Arranz	0.0013	CY Aqr	58391.3023	394553	0.0155	V	T. Arranz	0.0003
XX And	58483.3661	26836	0.2865	V	T. Arranz	0.0013	CY Aqr	58391.3635	394554	0.0156	V	T. Arranz	0.0003
AC And	58317.7653	13803	0.3666	V	G. Samolyk	0.0017	CY Aqr	58391.4244	394555	0.0155	V	T. Arranz	0.0003
AC And	58322.8939	13810	0.5165	V	G. Samolyk	0.0017	CY Aqr	58407.5386	394819	0.0156	V	G. Samolyk	0.0004
AC And	58360.7044	13863	0.6313	V	G. Samolyk	0.0035	CY Aqr	58407.5995	394820	0.0155	V	G. Samolyk	0.0003
AC And	58397.5258	13915	0.4682	V	T. Arranz	0.0015	CY Aqr	58407.6606	394821	0.0155	V	G. Samolyk	0.0004
AC And	58402.4109	13922	0.3746	V	T. Arranz	0.0025	CY Aqr	58407.7220	394822	0.0159	V	G. Samolyk	0.0003
AT And	58299.9144	25865	–0.0061	V	T. Polakis	0.0019	CY Aqr	58407.7829	394823	0.0158	V	G. Samolyk	0.0005
AT And	58385.6662	26004	–0.0055	V	G. Samolyk	0.0016	SY Ari	58337.8828	39233	–0.0785	V	R. Sabo	0.0012
AT And	58392.4477	26015	–0.0100	V	T. Arranz	0.0014	TZ Aur	58135.7656	97615	0.0157	V	R. Sabo	0.0006

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> 2400000+	<i>Cycle</i>	<i>O-C</i> <i>(day)</i>	<i>F</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>	<i>Star</i>	<i>JD (max)</i> <i>Hel.</i> 2400000+	<i>Cycle</i>	<i>O-C</i> <i>(day)</i>	<i>F</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>
TZ Aur	58384.8717	98251	0.0167	V	G. Samolyk	0.0011	VY CrB	58278.8080	35646	-0.1673	V	K. Menzies	0.0015
TZ Aur	58415.8137	98330	0.0164	V	N. Simmons	0.0008	VY CrB	58298.7130	35689	-0.1694	V	T. Polakis	0.0014
BH Aur	58181.6241	33831	0.0081	V	G. Samolyk	0.0012	VY CrB	58303.8031	35700	-0.1718	V	T. Polakis	0.0013
BH Aur	58413.7759	34340	0.0102	V	G. Samolyk	0.0011	XX Cyg	58199.9070	101913	0.0042	V	G. Samolyk	0.0007
BH Aur	58462.5771	34447	0.0098	V	G. Samolyk	0.0011	XX Cyg	58246.7056	102260	0.0046	V	G. Samolyk	0.0007
BH Aur	58463.4892	34449	0.0097	V	T. Arranz	0.0013	XX Cyg	58246.8408	102261	0.0050	V	G. Samolyk	0.0008
BH Aur	58485.3822	34497	0.0104	V	T. Arranz	0.0009	XX Cyg	58295.7958	102624	0.0039	V	K. Menzies	0.0005
RS Boo	58193.7692	43524	-0.0217	V	G. Samolyk	0.0009	XX Cyg	58307.7996	102713	0.0047	V	G. Samolyk	0.0006
RS Boo	58214.5218	43579	-0.0227	V	T. Arranz	0.0006	XZ Cyg	58234.7756	30240	-2.6724	V	G. Samolyk	0.0011
RS Boo	58215.6532	43582	-0.0234	V	G. Samolyk	0.0006	XZ Cyg	58254.8374	30283	-2.6787	V	G. Samolyk	0.0009
RS Boo	58225.4661	43608	-0.0213	V	T. Arranz	0.0007	XZ Cyg	58261.8355	30298	-2.6811	V	G. Samolyk	0.0008
RS Boo	58242.4452	43653	-0.0224	V	T. Arranz	0.0009	XZ Cyg	58263.7019	30302	-2.6815	V	G. Samolyk	0.0007
RS Boo	58253.3860	43682	-0.0245	V	T. Arranz	0.0007	XZ Cyg	58271.6282	30319	-2.6891	V	G. Samolyk	0.0007
RS Boo	58255.6491	43688	-0.0254	V	N. Simmons	0.0007	XZ Cyg	58297.7637	30375	-2.6888	V	G. Samolyk	0.0009
ST Boo	58199.8288	62701	0.0944	V	G. Samolyk	0.0011	XZ Cyg	58302.8987	30386	-2.6875	V	T. Polakis	0.0009
ST Boo	58226.5997	62744	0.1068	V	T. Arranz	0.0009	XZ Cyg	58305.7011	30392	-2.6853	V	G. Samolyk	0.0007
ST Boo	58251.4971	62784	0.1126	V	T. Arranz	0.0007	XZ Cyg	58317.8285	30418	-2.6921	V	G. Samolyk	0.0007
ST Boo	58284.4792	62837	0.1133	V	T. Arranz	0.0006	XZ Cyg	58322.4892	30428	-2.6984	V	T. Arranz	0.0008
ST Boo	58294.4337	62853	0.1111	V	T. Arranz	0.0009	XZ Cyg	58324.8211	30433	-2.7000	V	G. Samolyk	0.0009
SW Boo	58191.7598	30418	0.5021	V	G. Samolyk	0.0011	XZ Cyg	58328.5488	30441	-2.7059	V	T. Arranz	0.0008
SW Boo	58243.6299	30519	0.5058	V	T. Arranz	0.0011	XZ Cyg	58329.4808	30443	-2.7073	V	T. Arranz	0.0008
SW Boo	58302.6905	30634	0.5107	V	T. Polakis	0.0009	XZ Cyg	58336.4798	30458	-2.7088	V	T. Arranz	0.0009
SZ Boo	58181.8078	58417	0.0125	V	G. Samolyk	0.0011	XZ Cyg	58351.4283	30490	-2.6947	V	T. Arranz	0.0007
SZ Boo	58234.6125	58518	0.0124	V	T. Arranz	0.0008	XZ Cyg	58388.7435	30570	-2.7155	V	H. Smith	0.0009
TV Boo	58193.8251	107449	0.1194	C	G. Samolyk	0.0019	DM Cyg	58271.8259	37368	0.0914	V	G. Samolyk	0.0008
TV Boo	58199.7434	107468	0.0991	V	G. Samolyk	0.0012	DM Cyg	58300.7939	37437	0.0891	V	K. Menzies	0.0009
TV Boo	58209.7517	107500	0.1055	V	G. Samolyk	0.0021	DM Cyg	58300.7941	37437	0.0893	V	T. Polakis	0.0009
TV Boo	58234.7701	107580	0.1192	V	R. Sabo	0.0026	DM Cyg	58308.7719	37456	0.0897	V	G. Samolyk	0.0014
TV Boo	58291.6593	107762	0.1225	V	K. Menzies	0.0015	DM Cyg	58323.8901	37492	0.0930	V	R. Sabo	0.0009
TV Boo	58300.7326	107791	0.1316	V	T. Polakis	0.0013	DM Cyg	58329.7649	37506	0.0897	V	R. Sabo	0.0008
TW Boo	58228.7511	58875	-0.0986	V	G. Samolyk	0.0009	DM Cyg	58339.4230	37529	0.0911	V	T. Arranz	0.0007
TW Boo	58246.8470	58909	-0.1000	V	K. Menzies	0.0009	DM Cyg	58354.5383	37565	0.0914	V	T. Arranz	0.0009
UU Boo	58154.9107	48302	0.3267	V	G. Samolyk	0.0009	DM Cyg	58375.5345	37615	0.0946	V	T. Arranz	0.0009
UU Boo	58187.8109	48374	0.3286	V	G. Samolyk	0.0009	DM Cyg	58376.3735	37617	0.0939	V	T. Arranz	0.0009
UU Boo	58227.5637	48461	0.3293	V	T. Arranz	0.0007	DM Cyg	58402.4022	37679	0.0913	V	T. Arranz	0.0008
UY Boo	58218.7545	25171	0.8550	V	G. Samolyk	0.0011	DM Cyg	58426.3342	37736	0.0912	V	T. Arranz	0.0008
UY Boo	58243.4582	25209	0.8269	V	T. Arranz	0.0012	V2416 Cyg	58199.8584	82077	0.0008	V	G. Samolyk	0.0014
UY Cam	58195.6441	84745	-0.0980	V	G. Samolyk	0.0024	V2416 Cyg	58199.9143	82078	0.0008	V	G. Samolyk	0.0015
UY Cam	58470.7059	85775	-0.0898	V	G. Samolyk	0.0029	V2416 Cyg	58246.6371	82914	-0.0002	V	G. Samolyk	0.0020
RW Cnc	58132.8486	33948	0.2229	V	K. Menzies	0.0008	V2416 Cyg	58246.6932	82915	0.0000	V	G. Samolyk	0.0019
RW Cnc	58227.5173	34121	0.2262	V	T. Arranz	0.0009	V2416 Cyg	58246.7487	82916	-0.0003	V	G. Samolyk	0.0024
RW Cnc	58463.9053	34553	0.2243	V	G. Samolyk	0.0011	V2416 Cyg	58246.8030	82917	-0.0019	V	G. Samolyk	0.0017
TT Cnc	58181.6715	32367	0.1378	V	G. Samolyk	0.0019	V2416 Cyg	58295.8196	83794	-0.0006	V	K. Menzies	0.0012
TT Cnc	58467.9020	32875	0.1360	V	G. Samolyk	0.0011	V2416 Cyg	58307.8332	84009	-0.0033	V	G. Samolyk	0.0013
VZ Cnc	58191.6794	102567	0.0248	C	G. Samolyk	0.0009	V2771 Cyg	58350.7061	26616	0.0733	TG	G. Conrad	0.0027
VZ Cnc	58216.6449	102707	0.0194	V	N. Simmons	0.0019	V2771 Cyg	58358.7720	26670	0.0703	TG	G. Conrad	0.0026
SS CVn	58215.7487	38856	-0.3683	V	N. Simmons	0.0008	V2771 Cyg	58359.6722	26676	0.0739	TG	G. Conrad	0.0026
SS CVn	58215.7490	38856	-0.3680	V	G. Samolyk	0.0009	RW Dra	58148.8957	42381	0.2393	V	G. Samolyk	0.0010
RV Cap	58322.7990	54584	-0.1220	V	G. Samolyk	0.0011	RW Dra	58231.7244	42568	0.2425	V	G. Samolyk	0.0009
RV Cap	58388.6285	54731	-0.1109	V	G. Samolyk	0.0014	RW Dra	58255.6794	42622	0.2800	V	G. Samolyk	0.0009
RZ Cap	58342.7064	17351	0.0027	V	G. Samolyk	0.0019	RW Dra	58284.4394	42687	0.2504	V	T. Arranz	0.0008
VW Cap	58341.8114	104792	0.2775	V	G. Samolyk	0.0032	RW Dra	58291.5459	42703	0.2702	V	T. Arranz	0.0008
YZ Cap	58373.6414	53551	0.0421	V	G. Samolyk	0.0013	RW Dra	58303.5086	42730	0.2742	V	T. Arranz	0.0007
AN Cap	58360.6773	7722	0.0009	V	G. Samolyk	0.0026	RW Dra	58317.6457	42762	0.2379	V	G. Samolyk	0.0014
RR Cet	58376.8308	45559	0.0178	V	G. Samolyk	0.0013	RW Dra	58319.4168	42766	0.2374	V	T. Arranz	0.0014
RR Cet	58451.4894	45694	0.0176	V	T. Arranz	0.0009	RW Dra	58327.4096	42784	0.2577	V	T. Arranz	0.0011
RU Cet	58375.8601	31639	0.1362	V	G. Samolyk	0.0009	XZ Dra	58215.8730	34182	-0.1215	V	G. Samolyk	0.0013
RU Cet	58462.6201	31787	0.1267	V	G. Samolyk	0.0011	XZ Dra	58294.4974	34347	-0.1191	V	T. Arranz	0.0009
RV Cet	58404.8539	30945	0.2851	V	G. Samolyk	0.0022	XZ Dra	58296.8760	34352	-0.1229	V	T. Polakis	0.0011
RX Cet	58390.7535	31837	0.3287	V	G. Samolyk	0.0014	RX Eri	57334.7917	60694	-0.0094	V	G. Samolyk	0.0019
RX Cet	58459.6005	31957	0.3326	V	G. Samolyk	0.0015	RX Eri	58124.6376	62039	-0.0096	V	G. Samolyk	0.0012
RZ Cet	58384.8459	47939	-0.2144	V	G. Samolyk	0.0014	RX Eri	58425.8981	62552	-0.0065	V	G. Samolyk	0.0015
TY Cet	58158.5976	20797	-0.0154	V	G. Samolyk	0.0026	RR Gem	58137.7882	42237	-0.6246	V	G. Samolyk	0.0007
TY Cet	58407.8321	21567	-0.0145	V	G. Samolyk	0.0021	RR Gem	58173.5445	42327	-0.6263	V	T. Arranz	0.0007
UU Cet	58373.8244	28322	-0.1777	V	G. Samolyk	0.0021	RR Gem	58175.5296	42332	-0.6277	V	T. Arranz	0.0005
TU Com	58299.7426	63543	0.5270	V	T. Polakis	0.0021	RR Gem	58407.9435	42917	-0.6405	V	R. Sabo	0.0015

Table continued on next page

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> 2400000+	<i>Cycle</i>	<i>O-C</i> <i>(day)</i>	<i>F</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>	<i>Star</i>	<i>JD (max)</i> <i>Hel.</i> 2400000+	<i>Cycle</i>	<i>O-C</i> <i>(day)</i>	<i>F</i>	<i>Observer</i>	<i>Error</i> <i>(day)</i>
GQ Gem	58162.8168	48787	-0.2088	V	R. Sabo	0.0014	DH Hya	58132.8680	55126	0.1092	V	G. Samolyk	0.0011
TW Her	58261.6727	91883	-0.0177	V	G. Samolyk	0.0008	DH Hya	58157.8076	55177	0.1099	V	G. Samolyk	0.0010
TW Her	58271.6614	91908	-0.0190	V	G. Samolyk	0.0006	RR Leo	58193.7885	32932	0.1703	V	G. Samolyk	0.0007
TW Her	58336.3973	92070	-0.0183	V	T. Arranz	0.0005	RR Leo	58205.5511	32958	0.1707	V	T. Arranz	0.0007
TW Her	58342.3910	92085	-0.0186	V	T. Arranz	0.0005	RR Leo	58467.9457	33538	0.1772	V	G. Samolyk	0.0007
VX Her	58227.5895	80104	-0.0776	V	T. Arranz	0.0006	SS Leo	58187.7564	26194	-0.1100	V	G. Samolyk	0.0014
VZ Her	58218.8632	48668	0.0874	V	G. Samolyk	0.0007	SS Leo	58228.4693	26259	-0.1094	V	T. Arranz	0.0009
VZ Her	58237.7980	48711	0.0882	V	G. Samolyk	0.0008	ST Leo	58195.7574	63334	-0.0183	V	G. Samolyk	0.0011
VZ Her	58275.6671	48797	0.0891	V	G. Samolyk	0.0011	ST Leo	58263.6283	63476	-0.0211	V	K. Menzies	0.0014
VZ Her	58296.8015	48845	0.0877	V	T. Polakis	0.0007	TV Leo	58200.7145	31447	0.1288	V	G. Samolyk	0.0016
AR Her	58192.8816	35614	-1.0426	V	G. Samolyk	0.0009	TV Leo	58240.4143	31506	0.1303	V	T. Arranz	0.0010
AR Her	58216.8115	35665	-1.0841	V	G. Samolyk	0.0002	WW Leo	58161.9174	38616	0.0505	V	G. Samolyk	0.0015
AR Her	58218.7143	35669	-1.0614	V	G. Samolyk	0.0015	AA Leo	58136.9107	30970	-0.1113	V	G. Samolyk	0.0013
AR Her	58229.5343	35692	-1.0521	V	T. Arranz	0.0008	U Lep	58468.7220	29436	0.0425	V	G. Samolyk	0.0015
AR Her	58234.7017	35703	-1.0550	V	G. Samolyk	0.0009	SZ Lyn	58136.5980	166028	0.0281	V	G. Samolyk	0.0007
AR Her	58243.5953	35722	-1.0919	V	G. Samolyk	0.0013	SZ Lyn	58136.7193	166029	0.0288	V	G. Samolyk	0.0007
AR Her	58254.4467	35745	-1.0512	V	T. Arranz	0.0009	SZ Lyn	58136.8401	166030	0.0291	V	G. Samolyk	0.0006
AR Her	58255.8735	35748	-1.0344	V	G. Samolyk	0.0015	SZ Lyn	58136.9599	166031	0.0284	V	G. Samolyk	0.0008
AR Her	58265.7194	35769	-1.0591	V	G. Samolyk	0.0008	SZ Lyn	58209.7628	166635	0.0282	V	G. Samolyk	0.0009
AR Her	58285.4690	35811	-1.0507	V	T. Arranz	0.0009	SZ Lyn	58231.5814	166816	0.0299	V	K. Menzies	0.0009
AR Her	58292.5166	35826	-1.0535	V	T. Arranz	0.0016	SZ Lyn	58411.7840	168311	0.0328	V	G. Samolyk	0.0007
AR Her	58293.4545	35828	-1.0557	V	T. Arranz	0.0007	SZ Lyn	58411.9052	168312	0.0335	V	G. Samolyk	0.0007
AR Her	58297.6782	35837	-1.0622	V	G. Samolyk	0.0008	SZ Lyn	58461.6869	168725	0.0343	V	N. Simmons	0.0008
AR Her	58305.6448	35854	-1.0861	V	G. Samolyk	0.0009	SZ Lyn	58461.8076	168726	0.0344	V	N. Simmons	0.0005
AR Her	58309.3960	35862	-1.0951	V	T. Arranz	0.0009	SZ Lyn	58461.9277	168727	0.0340	V	N. Simmons	0.0006
AR Her	58329.6431	35905	-1.0592	V	K. Menzies	0.0012	SZ Lyn	58461.9285	168727	0.0348	V	G. Samolyk	0.0007
DL Her	58210.8195	33809	0.0450	V	G. Samolyk	0.0019	SZ Lyn	58468.7998	168784	0.0356	V	G. Samolyk	0.0009
DL Her	58286.5563	33937	0.0534	V	T. Arranz	0.0011	RR Lyr	58299.7454	27126	-0.5288	V	G. Samolyk	0.0011
DL Her	58292.4826	33947	0.0634	V	T. Arranz	0.0014	RR Lyr	58308.8115	27142	-0.5325	V	G. Samolyk	0.0011
DL Her	58297.8108	33956	0.0670	V	T. Polakis	0.0014	RR Lyr	58314.4807	27152	-0.5320	V	T. Arranz	0.0009
DL Her	58305.4926	33969	0.0576	V	T. Arranz	0.0009	RR Lyr	58348.4848	27212	-0.5400	V	T. Arranz	0.0010
DL Her	58324.4246	34001	0.0575	V	T. Arranz	0.0011	RZ Lyr	58234.8227	33353	-0.0677	V	G. Samolyk	0.0009
DY Her	58209.9089	166657	-0.0330	V	G. Samolyk	0.0007	RZ Lyr	58286.4704	33454	-0.0555	V	T. Arranz	0.0009
DY Her	58263.7132	167019	-0.0332	V	G. Samolyk	0.0006	RZ Lyr	58300.7834	33482	-0.0573	V	K. Menzies	0.0012
DY Her	58263.8615	167020	-0.0336	V	G. Samolyk	0.0006	RZ Lyr	58302.8272	33486	-0.0585	V	T. Polakis	0.0007
DY Her	58269.8064	167060	-0.0339	V	K. Menzies	0.0005	RZ Lyr	58331.4470	33542	-0.0682	V	T. Arranz	0.0008
DY Her	58289.7233	167194	-0.0336	V	K. Menzies	0.0006	RZ Lyr	58334.5150	33548	-0.0677	V	T. Arranz	0.0009
DY Her	58298.7890	167255	-0.0344	V	T. Polakis	0.0009	CX Lyr	58296.7139	40908	1.6373	V	T. Polakis	0.0011
DY Her	58302.6544	167281	-0.0335	V	G. Samolyk	0.0007	CX Lyr	58299.8006	40913	1.6407	V	T. Polakis	0.0010
DY Her	58302.8031	167282	-0.0334	V	G. Samolyk	0.0007	ST Oph	58301.6918	66337	-0.0271	V	G. Samolyk	0.0011
DY Her	58303.6948	167288	-0.0335	V	T. Polakis	0.0007	AV Peg	58360.4618	37323	0.1909	V	T. Arranz	0.0008
DY Her	58316.6258	167375	-0.0334	V	G. Samolyk	0.0007	AV Peg	58362.4156	37328	0.1928	V	T. Arranz	0.0008
DY Her	58319.7474	167396	-0.0331	V	R. Sabo	0.0008	CV Peg	58301.8457	7933	-0.0038	V	T. Polakis	0.0013
LS Her	58265.6578	131108	-0.0264	V	G. Samolyk	0.0021	GV Peg	58377.6763	23742	0.2439	V	K. Menzies	0.0016
LS Her	58318.7551	131338	-0.0149	V	R. Sabo	0.0021	FR Psc	58465.7085	10433	0.0060	V	R. Sabo	0.0009
SZ Hya	58124.9441	32473	-0.2696	V	G. Samolyk	0.0011	DF Ser	58215.8166	65121	0.1066	V	G. Samolyk	0.0009
SZ Hya	58137.7944	32497	-0.3130	V	G. Samolyk	0.0018	RV UMa	58135.9195	27903	0.1303	V	G. Samolyk	0.0017
SZ Hya	58187.7738	32590	-0.2970	V	G. Samolyk	0.0039	RV UMa	58151.8389	27937	0.1357	V	G. Samolyk	0.0014
SZ Hya	58192.6380	32599	-0.2679	V	G. Samolyk	0.0018	TU UMa	58230.6182	27614	-0.0638	V	K. Menzies	0.0009
UU Hya	58123.9523	35591	0.0091	V	G. Samolyk	0.0015	AE UMa	58229.4031	263030	-0.0009	V	T. Arranz	0.0005
UU Hya	58195.7267	35728	0.0135	V	G. Samolyk	0.0016	AE UMa	58231.3797	263053	-0.0027	V	T. Arranz	0.0003
UU Hya	58216.6769	35768	0.0090	V	N. Simmons	0.0011	GW UMa	58148.7747	30261	0.0017	V	G. Samolyk	0.0009
DG Hya	58137.7588	7641	0.0253	V	G. Samolyk	0.0021	GW UMa	58148.9779	30262	0.0017	V	G. Samolyk	0.0010