

# Recent Maxima of 78 Short Period Pulsating Stars

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Received January 21, 2022; accepted January 21, 2022

**Abstract** This paper contains times of maxima for 78 short period pulsating stars (primarily RR Lyrae and  $\delta$  Scuti stars). These times of maxima represent the CCD observations received by the AAVSO Short Period Pulsator (SPP) Section in 2021.

## 1. Recent observations

Table 1 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/gsamj501spp78.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  $\delta$  Scuti stars. These 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* (GCVS; 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: V799 Aur, V377 Boo, V876 Cep, V873 Her, and KP Lyn (AAVSO VSX site; Watson *et al.* 2014); VY CrB (Antipin 1996); DG Hya (Samolyk 2010); V2416 Cyg (Samolyk 2018); and V355 Cam and GO Hya (GEOS database (2021)).

## References

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Table 1. Recent times of maxima 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>F</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>F</i>	<i>Observer</i>	<i>Error (day)</i>
SW And	59213.3831	92885	-0.5355	V	T. Arranz	0.0009	RV Ari	59528.6821	263198	-0.0031	V	G. Samolyk	0.0011
SW And	59214.2671	92887	-0.5360	V	T. Arranz	0.0008	RV Ari	59528.7792	263199	0.0008	V	G. Samolyk	0.0009
SW And	59221.3426	92903	-0.5370	V	T. Arranz	0.0007	RV Ari	59540.5978	263326	-0.0078	V	G. Samolyk	0.0004
SW And	59229.3019	92921	-0.5387	V	T. Arranz	0.0009	RV Ari	59540.6943	263327	-0.0045	V	G. Samolyk	0.0009
SW And	59233.2828	92930	-0.5383	V	T. Arranz	0.0008	RV Ari	59540.7965	263328	0.0046	V	G. Samolyk	0.0011
SW And	59244.3371	92955	-0.5410	V	T. Arranz	0.0008	RV Ari	59540.8796	263329	-0.0054	V	G. Samolyk	0.0005
SW And	59502.6198	93539	-0.5495	V	G. Samolyk	0.0008	RV Ari	59546.6515	263391	-0.0075	V	G. Samolyk	0.0006
SW And	59503.5037	93541	-0.5502	V	T. Arranz	0.0007	RV Ari	59546.7547	263392	0.0026	V	G. Samolyk	0.0011
SW And	59512.3483	93561	-0.5512	V	T. Arranz	0.0006	TZ Aur	59242.6410	100441	0.0186	V	G. Samolyk	0.0010
SW And	59527.3854	93595	-0.5516	V	T. Arranz	0.0007	TZ Aur	59283.3741	100545	0.0175	V	T. Arranz	0.0008
SW And	59531.3653	93604	-0.5522	V	T. Arranz	0.0007	TZ Aur	59523.8624	101159	0.0176	V	G. Samolyk	0.0008
SW And	59566.3037	93683	-0.5539	V	T. Arranz	0.0007	BH Aur	59269.4021	36216	0.0119	V	T. Arranz	0.0008
XX And	59462.6981	28191	0.2961	V	G. Samolyk	0.0014	BH Aur	59293.5749	36269	0.0119	V	K. Menzies	0.0011
AC And	59441.6324	15383	0.4745	V	G. Samolyk	0.0021	BH Aur	59518.8844	36763	0.0131	V	G. Samolyk	0.0015
AC And	59443.7486	15386	0.4570	V	G. Samolyk	0.0016	V799 Aur	59244.2968	66270	0.0072	V	T. Arranz	0.0005
AC And	59446.7504	15390	0.6138	V	G. Samolyk	0.0018	V799 Aur	59244.3712	66271	0.0055	V	T. Arranz	0.0005
AC And	59510.4398	15480	0.2916	V	T. Arranz	0.0024	V799 Aur	59273.3651	66652	0.0062	V	T. Arranz	0.0004
AC And	59528.3972	15505	0.4680	V	T. Arranz	0.0023	V799 Aur	59273.4410	66653	0.0060	V	T. Arranz	0.0004
AC And	59553.3777	15540	0.5551	V	T. Arranz	0.0017	V799 Aur	59273.5181	66654	0.0070	V	T. Arranz	0.0005
AT And	59446.7692	27724	0.0042	V	G. Samolyk	0.0016	RS Boo	59327.6616	46529	-0.0329	V	G. Samolyk	0.0008
AT And	59503.5153	27816	-0.0059	V	T. Arranz	0.0016	RS Boo	59347.6555	46582	-0.0379	V	G. Samolyk	0.0009
AT And	59513.3853	27832	-0.0065	V	T. Arranz	0.0009	RS Boo	59351.4326	46592	-0.0342	V	T. Arranz	0.0009
DM And	59568.4120	37835	0.2132	V	T. Arranz	0.0007	RS Boo	59360.4853	46616	-0.0377	V	T. Arranz	0.0009
GM And	59468.8379	47863	0.0458	V	K. Menzies	0.0012	RS Boo	59368.4103	46637	-0.0368	V	T. Arranz	0.0008
SW Aqr	59459.6867	74814	0.0015	V	G. Samolyk	0.0007	RS Boo	59371.4307	46645	-0.0351	V	T. Arranz	0.0008
SW Aqr	59479.4359	74857	0.0007	V	T. Arranz	0.0008	RS Boo	59394.4435	46706	-0.0400	V	T. Arranz	0.0008
SW Aqr	59514.3441	74933	0.0018	V	T. Arranz	0.0007	ST Boo	59321.8223	64504	0.0978	V	G. Samolyk	0.0019
TZ Aqr	59505.6250	38440	0.0161	V	G. Samolyk	0.0018	ST Boo	59340.4959	64534	0.1027	V	T. Arranz	0.0009
YZ Aqr	59465.7277	43667	0.0884	V	G. Samolyk	0.0018	ST Boo	59355.4440	64558	0.1158	V	T. Arranz	0.0012
AA Aqr	59514.5928	63667	-0.1982	V	G. Samolyk	0.0017	ST Boo	59360.4264	64566	0.1199	V	T. Arranz	0.0010
AA Aqr	59549.2965	63724	-0.2012	V	T. Arranz	0.0005	ST Boo	59373.4968	64587	0.1222	V	T. Arranz	0.0008
BO Aqr	59521.6227	25792	0.2430	V	G. Samolyk	0.0016	ST Boo	59393.4127	64619	0.1248	V	T. Arranz	0.0007
BR Aqr	59488.6838	45349	-0.2433	V	G. Samolyk	0.0011	ST Boo	59406.4809	64640	0.1249	V	T. Arranz	0.0009
CY Aqr	59465.6402	412154	0.0177	V	G. Samolyk	0.0004	SW Boo	59238.9138	32457	0.5723	V	K. Menzies	0.0009
CY Aqr	59465.7007	412155	0.0172	V	G. Samolyk	0.0003	SW Boo	59289.7570	32556	0.5762	V	K. Menzies	0.0009
CY Aqr	59465.7618	412156	0.0173	V	G. Samolyk	0.0003	SW Boo	59348.8161	32671	0.5795	V	K. Menzies	0.0009
CY Aqr	59465.8228	412157	0.0173	V	G. Samolyk	0.0003	SW Boo	59354.4657	32682	0.5803	V	T. Arranz	0.0010
CY Aqr	59465.8838	412158	0.0172	V	G. Samolyk	0.0004	SW Boo	59371.4126	32715	0.5808	V	T. Arranz	0.0009
CY Aqr	59468.7529	412205	0.0175	V	G. Samolyk	0.0004	SZ Boo	59292.8034	60542	0.0161	V	G. Samolyk	0.0015
CY Aqr	59468.8138	412206	0.0174	V	G. Samolyk	0.0004	SZ Boo	59398.4106	60744	0.0137	V	T. Arranz	0.0012
CY Aqr	59468.8753	412207	0.0178	V	G. Samolyk	0.0004	TV Boo	59342.4988	111124	0.1375	V	T. Arranz	0.0011
CY Aqr	59474.6734	412302	0.0173	V	G. Samolyk	0.0003	TV Boo	59343.4366	111127	0.1376	V	T. Arranz	0.0012
CY Aqr	59474.7346	412303	0.0175	V	G. Samolyk	0.0004	TV Boo	59352.5031	111156	0.1399	V	T. Arranz	0.0012
CY Aqr	59474.7956	412304	0.0174	V	G. Samolyk	0.0004	TV Boo	59353.4366	111159	0.1357	V	T. Arranz	0.0014
CY Aqr	59474.8565	412305	0.0173	V	G. Samolyk	0.0004	TV Boo	59358.4125	111175	0.1107	V	T. Arranz	0.0012
CY Aqr	59495.3045	412640	0.0174	V	T. Arranz	0.0003	TV Boo	59367.4768	111204	0.1107	V	T. Arranz	0.0009
CY Aqr	59495.3661	412641	0.0180	V	T. Arranz	0.0004	TV Boo	59368.4200	111207	0.1163	V	T. Arranz	0.0016
CY Aqr	59495.4265	412642	0.0174	V	T. Arranz	0.0002	TV Boo	59372.5088	111220	0.1418	V	T. Arranz	0.0014
CY Aqr	59495.4875	412643	0.0173	V	T. Arranz	0.0003	TV Boo	59373.4249	111223	0.1202	V	T. Arranz	0.0016
RV Ari	59468.7981	262555	-0.0057	V	G. Samolyk	0.0006	TV Boo	59393.4301	111287	0.1216	V	T. Arranz	0.0018
RV Ari	59468.8926	262556	-0.0043	V	G. Samolyk	0.0011	TV Boo	59398.4250	111303	0.1156	V	T. Arranz	0.0015
RV Ari	59476.8109	262641	-0.0019	V	G. Samolyk	0.0012	TV Boo	59403.4292	111319	0.1188	V	T. Arranz	0.0017
RV Ari	59476.9069	262642	0.0010	V	G. Samolyk	0.0007	TV Boo	59408.4251	111335	0.1138	V	T. Arranz	0.0009
RV Ari	59484.8249	262727	0.0031	V	G. Samolyk	0.0007	TW Boo	59293.8145	60876	-0.1138	V	G. Samolyk	0.0011
RV Ari	59484.9084	262728	-0.0065	V	G. Samolyk	0.0005	TW Boo	59353.4267	60988	-0.1162	V	T. Arranz	0.0010
RV Ari	59504.7521	262941	0.0008	V	G. Samolyk	0.0008	TW Boo	59361.4111	61003	-0.1159	V	T. Arranz	0.0009
RV Ari	59504.8383	262942	-0.0061	V	G. Samolyk	0.0006	UU Boo	59302.7417	50814	0.3734	V	G. Samolyk	0.0012
RV Ari	59504.9313	262943	-0.0062	V	G. Samolyk	0.0009	UU Boo	59369.4551	50960	0.3764	V	T. Arranz	0.0007
RV Ari	59506.7050	262962	-0.0020	V	G. Samolyk	0.0006	UU Boo	59390.4744	51006	0.3774	V	T. Arranz	0.0007
RV Ari	59506.7926	262963	-0.0075	V	G. Samolyk	0.0007	UY Boo	59327.7742	26875	0.8493	V	G. Samolyk	0.0014
RV Ari	59506.8910	262964	-0.0022	V	G. Samolyk	0.0011	UY Boo	59341.4390	26896	0.8465	V	T. Arranz	0.0008
RV Ari	59521.6956	263123	-0.0050	V	G. Samolyk	0.0009	UY Boo	59354.4548	26916	0.8456	V	T. Arranz	0.0008
RV Ari	59521.7951	263124	0.0014	V	G. Samolyk	0.0007	V377 Boo	59355.4234	3386	0.0002	V	T. Arranz	0.0007
RV Ari	59521.8832	263125	-0.0037	V	G. Samolyk	0.0006	V377 Boo	59355.5136	3387	-0.0004	V	T. Arranz	0.0008
RV Ari	59528.5860	263197	-0.0061	V	G. Samolyk	0.0007	V377 Boo	59365.4014	3496	0.0001	V	T. Arranz	0.0004

Table continued on following pages

Table 1. Recent times of maxima 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>F</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>F</i>	<i>Observer</i>	<i>Error (day)</i>
V377 Boo	59365.4922	3497	0.0003	V	T. Arranz	0.0005	V2416 Cyg	59370.7461	103027	-0.0002	V	G. Samolyk	0.0018
UY Cam	59238.7119	88651	-0.0976	V	K. Menzies	0.0041	V2416 Cyg	59370.8032	103028	0.0010	V	G. Samolyk	0.0014
UY Cam	59287.5810	88834	-0.0972	V	K. Menzies	0.0095	V2416 Cyg	59370.8604	103029	0.0024	V	G. Samolyk	0.0016
UY Cam	59518.8422	89700	-0.0947	V	G. Samolyk	0.0025	V2416 Cyg	59397.6272	103508	-0.0020	V	G. Samolyk	0.0015
UY Cam	59526.8563	89730	-0.0919	V	G. Samolyk	0.0029	V2416 Cyg	59397.6836	103509	-0.0015	V	G. Samolyk	0.0015
V355 Cam	59266.2641	35130	0.0335	V	A. Beck	0.0028	V2416 Cyg	59397.7408	103510	-0.0002	V	G. Samolyk	0.0016
V355 Cam	59266.2681	35130	0.0375	I	A. Beck	0.0017	V2416 Cyg	59397.8525	103512	-0.0002	V	G. Samolyk	0.0018
V355 Cam	59266.4821	35131	0.0330	V	A. Beck	0.0052	V2416 Cyg	59440.6086	104277	0.0002	V	G. Samolyk	0.0012
V355 Cam	59266.4877	35131	0.0386	I	A. Beck	0.0014	V2416 Cyg	59440.6623	104278	-0.0019	V	G. Samolyk	0.0017
RW Cnc	59287.4696	36058	0.2541	V	T. Arranz	0.0014	V2416 Cyg	59464.6413	104707	0.0004	V	K. Menzies	0.0014
RW Cnc	59321.3975	36120	0.2556	V	T. Arranz	0.0014	V2416 Cyg	59464.6981	104708	0.0014	V	K. Menzies	0.0014
TT Cnc	59289.3925	34333	0.1172	V	T. Arranz	0.0012	RW Dra	59317.7816	45020	0.2673	V	G. Samolyk	0.0016
TT Cnc	59537.8945	34774	0.1381	V	G. Samolyk	0.0011	RW Dra	59376.7255	45153	0.3032	V	G. Samolyk	0.0017
RV Cap	59414.8275	57023	-0.1412	V	G. Samolyk	0.0007	RW Dra	59400.6153	45207	0.2755	V	T. Arranz	0.0012
RV Cap	59476.6101	57161	-0.1473	V	G. Samolyk	0.0011	RW Dra	59402.3860	45211	0.2745	V	T. Arranz	0.0015
V876 Cep	59469.5710	46116	-0.0508	V	T. Arranz	0.0014	RW Dra	59408.6071	45225	0.2948	V	T. Arranz	0.0010
RR Cet	59466.8549	47530	0.0234	V	G. Samolyk	0.0012	RW Dra	59409.4965	45227	0.2983	V	T. Arranz	0.0009
RR Cet	59502.7989	47595	0.0206	V	G. Samolyk	0.0013	RW Dra	59413.4925	45236	0.3081	V	T. Arranz	0.0009
RV Cet	59555.6492	32791	0.2784	V	G. Samolyk	0.0015	RW Dra	59417.4824	45245	0.3117	V	T. Arranz	0.0007
TY Cet	59504.7982	24956	0.0001	V	G. Samolyk	0.0033	XZ Dra	59364.7320	36593	-0.0967	V	G. Samolyk	0.0011
UU Cet	59560.5206	30280	-0.1881	V	G. Samolyk	0.0019	XZ Dra	59429.5423	36729	-0.0900	V	T. Arranz	0.0011
S Com	58942.6649	31177	-0.1144	TG	G. Conrad	0.0017	XZ Dra	59442.4038	36756	-0.0939	V	T. Arranz	0.0008
VY CrB	59468.5766	38216	-0.1982	V	K. Menzies	0.0009	XZ Dra	59450.4990	36773	-0.0992	V	T. Arranz	0.0008
XX Cyg	59334.6622	110327	0.0044	V	G. Samolyk	0.0005	XZ Dra	59451.4520	36775	-0.0992	V	T. Arranz	0.0009
XX Cyg	59370.6718	110594	0.0050	V	G. Samolyk	0.0005	XZ Dra	59461.4606	36796	-0.0970	V	T. Arranz	0.0005
XX Cyg	59370.8062	110595	0.0045	V	G. Samolyk	0.0005	XZ Dra	59462.4158	36798	-0.0948	V	T. Arranz	0.0009
XX Cyg	59397.6444	110794	0.0046	V	G. Samolyk	0.0005	XZ Dra	59494.3359	36865	-0.1000	V	T. Arranz	0.0009
XX Cyg	59397.7795	110795	0.0048	V	G. Samolyk	0.0008	SV Eri	59506.8396	33558	1.1510	V	G. Samolyk	0.0019
XX Cyg	59440.6666	111113	0.0048	V	G. Samolyk	0.0006	RR Gem	59247.7992	45031	-0.6994	V	G. Samolyk	0.0008
XX Cyg	59464.6726	111291	0.0048	V	K. Menzies	0.0004	RR Gem	59248.5938	45033	-0.6994	V	G. Samolyk	0.0007
XZ Cyg	59352.7363	32636	-2.9249	V	G. Samolyk	0.0011	RR Gem	59288.3276	45133	-0.6967	V	T. Arranz	0.0007
XZ Cyg	59366.7261	32666	-2.9361	V	G. Samolyk	0.0012	RR Gem	59299.4456	45161	-0.7034	V	T. Arranz	0.0007
XZ Cyg	59381.6578	32698	-2.9388	V	G. Samolyk	0.0009	RR Gem	59311.3678	45191	-0.7005	V	T. Arranz	0.0007
XZ Cyg	59409.6599	32758	-2.9387	V	G. Samolyk	0.0009	RR Gem	59519.9472	45716	-0.7092	V	G. Samolyk	0.0008
XZ Cyg	59414.7922	32769	-2.9401	V	G. Samolyk	0.0012	TW Her	59303.8271	94491	-0.0203	V	K. Menzies	0.0008
XZ Cyg	59421.7860	32784	-2.9468	V	G. Samolyk	0.0009	TW Her	59371.7589	94661	-0.0205	V	G. Samolyk	0.0006
XZ Cyg	59428.7844	32799	-2.9489	V	G. Samolyk	0.0012	TW Her	59383.7471	94691	-0.0203	V	K. Menzies	0.0006
XZ Cyg	59433.4504	32809	-2.9499	V	T. Arranz	0.0006	TW Her	59400.5294	94733	-0.0213	V	T. Arranz	0.0006
XZ Cyg	59440.4539	32824	-2.9469	V	T. Arranz	0.0006	TW Her	59402.5287	94738	-0.0200	V	T. Arranz	0.0002
XZ Cyg	59442.7900	32829	-2.9443	V	G. Samolyk	0.0014	VX Her	59346.8585	82562	-0.1150	V	G. Samolyk	0.0011
XZ Cyg	59443.7183	32831	-2.9494	V	G. Samolyk	0.0012	VX Her	59378.7339	82632	-0.1157	V	G. Samolyk	0.0009
XZ Cyg	59444.6534	32833	-2.9477	V	G. Samolyk	0.0012	VX Her	59399.6817	82678	-0.1150	V	G. Samolyk	0.0011
XZ Cyg	59446.5231	32837	-2.9448	V	T. Arranz	0.0009	VX Her	59412.4296	82706	-0.1176	V	T. Arranz	0.0006
XZ Cyg	59448.3867	32841	-2.9480	V	T. Arranz	0.0007	VZ Her	59348.7540	51234	0.0969	V	G. Samolyk	0.0008
XZ Cyg	59461.4553	32869	-2.9470	V	T. Arranz	0.0006	VZ Her	59381.7793	51309	0.0976	V	G. Samolyk	0.0008
XZ Cyg	59462.3881	32871	-2.9476	V	T. Arranz	0.0005	AR Her	59321.7801	38016	-1.1513	V	G. Samolyk	0.0009
XZ Cyg	59469.3839	32886	-2.9523	V	T. Arranz	0.0005	AR Her	59327.8726	38029	-1.1692	V	G. Samolyk	0.0012
XZ Cyg	59476.3787	32901	-2.9580	V	T. Arranz	0.0006	AR Her	59346.6990	38069	-1.1439	V	G. Samolyk	0.0011
XZ Cyg	59512.3145	32978	-2.9581	V	T. Arranz	0.0005	AR Her	59352.8080	38082	-1.1453	V	G. Samolyk	0.0012
XZ Cyg	59526.3089	33008	-2.9647	V	T. Arranz	0.0007	AR Her	59368.7402	38116	-1.1940	V	G. Samolyk	0.0011
XZ Cyg	59540.2953	33038	-2.9793	V	T. Arranz	0.0006	AR Her	59375.8323	38131	-1.1524	V	G. Samolyk	0.0018
DM Cyg	59366.8291	39976	0.0997	V	G. Samolyk	0.0009	AR Her	59382.8798	38146	-1.1553	V	G. Samolyk	0.0015
DM Cyg	59382.7853	40014	0.1013	V	G. Samolyk	0.0009	AR Her	59389.4466	38160	-1.1689	V	T. Arranz	0.0007
DM Cyg	59429.8100	40126	0.1016	V	G. Samolyk	0.0014	AR Her	59390.3836	38162	-1.1719	V	T. Arranz	0.0008
DM Cyg	59432.7502	40133	0.1028	TG	G. Conrad	0.0015	AR Her	59397.4142	38177	-1.1918	V	T. Arranz	0.0011
DM Cyg	59463.3991	40206	0.1019	V	T. Arranz	0.0009	AR Her	59403.5189	38190	-1.1974	V	T. Arranz	0.0014
DM Cyg	59486.4924	40261	0.1029	V	T. Arranz	0.0008	AR Her	59404.4808	38192	-1.1756	V	T. Arranz	0.0013
DM Cyg	59492.3678	40275	0.1003	V	T. Arranz	0.0009	AR Her	59405.4351	38194	-1.1613	V	T. Arranz	0.0016
DM Cyg	59510.4251	40318	0.1036	V	T. Arranz	0.0009	AR Her	59409.6881	38203	-1.1386	V	G. Samolyk	0.0016
DM Cyg	59513.3619	40325	0.1014	V	T. Arranz	0.0008	AR Her	59413.4306	38211	-1.1563	V	T. Arranz	0.0009
DM Cyg	59529.3189	40363	0.1037	V	T. Arranz	0.0008	DL Her	59346.7603	35729	0.0603	V	K. Menzies	0.0011
DM Cyg	59537.2964	40382	0.1039	V	T. Arranz	0.0008	DL Her	59399.4231	35818	0.0682	V	T. Arranz	0.0013
V2416 Cyg	59334.7008	102382	0.0034	V	G. Samolyk	0.0015	DY Her	59294.9142	173957	-0.0366	V	G. Samolyk	0.0006
V2416 Cyg	59370.6340	103025	-0.0004	V	G. Samolyk	0.0018	DY Her	59347.8265	174313	-0.0370	V	G. Samolyk	0.0005
V2416 Cyg	59370.6913	103026	0.0010	V	G. Samolyk	0.0014	DY Her	59357.7847	174380	-0.0371	V	G. Samolyk	0.0004

Table continued on next page

Table 1. Recent times of maxima 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>F</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>F</i>	<i>Observer</i>	<i>Error (day)</i>
DY Her	59379.6343	174527	-0.0363	V	G. Samolyk	0.0007	SZ Lyn	59570.8514	177927	0.0364	V	G. Samolyk	0.0008
DY Her	59379.7825	174528	-0.0368	V	G. Samolyk	0.0007	KP Lyn	59235.6969	66260	-0.0283	TG	G. Conrad	0.0009
DY Her	59385.4300	174566	-0.0373	V	T. Arranz	0.0005	RR Lyr	59364.7105	29005	-0.7082	V	G. Samolyk	0.0010
DY Her	59395.3887	174633	-0.0369	V	T. Arranz	0.0005	RR Lyr	59422.5190	29107	-0.7202	V	T. Arranz	0.0010
DY Her	59397.6181	174648	-0.0369	V	G. Samolyk	0.0009	RZ Lyr	59364.6793	35563	-0.0566	V	G. Samolyk	0.0013
LS Her	59399.6456	136021	0.0031	V	G. Samolyk	0.0026	RZ Lyr	59424.4842	35680	-0.0671	V	T. Arranz	0.0007
LS Her	59451.5653	136246	-0.0090	V	K. Menzies	0.0022	CX Lyr	59484.5791	42834	1.8443	V	K. Menzies	0.0039
V873 Her	59405.4792	52674	-0.0504	V	L. Corp	0.0015	AV Peg	59375.8524	39924	0.2169	V	G. Samolyk	0.0009
SZ Hya	59247.7569	34563	-0.2888	V	G. Samolyk	0.0013	AV Peg	59420.7480	40039	0.2194	V	G. Samolyk	0.0008
SZ Hya	59300.4059	34661	-0.2894	V	T. Arranz	0.0011	AV Peg	59489.4564	40215	0.2218	V	T. Arranz	0.0007
SZ Hya	59303.6274	34667	-0.2913	V	G. Samolyk	0.0011	BH Peg	59421.8121	31290	-0.1389	V	G. Samolyk	0.0018
UU Hya	59302.6830	37841	0.0359	V	G. Samolyk	0.0016	BH Peg	59462.8235	31354	-0.1510	V	G. Samolyk	0.0015
DG Hya	59307.6046	9192	0.0407	V	G. Samolyk	0.0019	DY Peg	59464.6283	205174	-0.0222	V	G. Samolyk	0.0006
DG Hya	59308.3567	9193	0.0386	V	T. Arranz	0.0014	DY Peg	59464.7014	205175	-0.0220	V	G. Samolyk	0.0004
DH Hya	59288.3856	57489	0.1241	V	T. Arranz	0.0007	DY Peg	59464.7736	205176	-0.0227	V	G. Samolyk	0.0004
GO Hya	59294.6660	7500	-0.0030	V	G. Samolyk	0.0029	DY Peg	59464.8466	205177	-0.0227	V	G. Samolyk	0.0005
RR Leo	59248.7973	35264	0.1980	V	G. Samolyk	0.0008	DY Peg	59474.5464	205310	-0.0221	V	G. Samolyk	0.0006
RR Leo	59286.7978	35348	0.1974	V	G. Samolyk	0.0007	DY Peg	59474.6185	205311	-0.0229	V	G. Samolyk	0.0006
RR Leo	59338.3739	35462	0.2007	V	T. Arranz	0.0006	DY Peg	59474.6922	205312	-0.0221	V	G. Samolyk	0.0005
SS Leo	59302.6406	27974	-0.1183	V	G. Samolyk	0.0015	DY Peg	59474.7652	205313	-0.0220	V	G. Samolyk	0.0005
SS Leo	59311.4067	27988	-0.1210	V	T. Arranz	0.0011	DY Peg	59559.2867	206472	-0.0221	V	T. Arranz	0.0004
ST Leo	59245.8877	65531	-0.0195	V	K. Menzies	0.0012	GV Peg	59495.6382	25714	0.2322	V	K. Menzies	0.0021
ST Leo	59303.7236	65652	-0.0197	V	G. Samolyk	0.0009	DF Ser	59328.6975	67663	0.1123	V	K. Menzies	0.0009
TV Leo	59292.7626	33070	0.1371	V	G. Samolyk	0.0016	DF Ser	59409.6898	67848	0.1125	V	G. Samolyk	0.0009
WW Leo	59242.8263	40409	0.0578	V	G. Samolyk	0.0029	RV UMa	59242.8940	30268	0.1429	V	G. Samolyk	0.0013
WW Leo	59310.3486	40521	0.0614	V	T. Arranz	0.0014	RV UMa	59308.8870	30409	0.1395	V	K. Menzies	0.0014
AA Leo	59303.6780	32919	-0.1240	V	G. Samolyk	0.0015	RV UMa	59352.4201	30502	0.1430	V	T. Arranz	0.0007
U Lep	59560.7309	31314	0.0392	V	G. Samolyk	0.0009	RV UMa	59359.4411	30517	0.1431	V	T. Arranz	0.0009
SZ Lyn	59221.6586	175030	0.0333	TG	G. Conrad	0.0009	RV UMa	59367.3937	30534	0.1387	V	T. Arranz	0.0008
SZ Lyn	59298.4386	175667	0.0326	V	T. Arranz	0.0006	RV UMa	59374.4128	30549	0.1369	V	T. Arranz	0.0009
SZ Lyn	59537.8242	177653	0.0358	V	G. Samolyk	0.0006	RV UMa	59389.3899	30581	0.1360	V	T. Arranz	0.0011
SZ Lyn	59537.9438	177654	0.0349	V	G. Samolyk	0.0006	AE UMa	59300.4055	275481	0.0032	V	T. Arranz	0.0006
SZ Lyn	59554.7009	177793	0.0376	TG	G. Conrad	0.0018	AE UMa	59300.4868	275482	-0.0015	V	T. Arranz	0.0004
SZ Lyn	59570.7307	177926	0.0363	V	G. Samolyk	0.0007							