Recent Minima of 172 Eclipsing Binary Stars

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Abstract This paper continues the publication of times of minima for eclipsing binary stars from observations reported to the AAVSO Eclipsing Binary Section. Times or minima from observations received from September 2017 thru January 2018 are presented.

1. Recent observations

The accompanying list contains times of minima calculated from recent CCD observations made by participants in the AAVSO's eclipsing binary program. This list will be web-archived and made available through the AAVSO ftp site at ftp://ftp.aavso.org/public/datasets/gsamj461eb.txt. The data in this list, along with the eclipsing binary data from earlier AAVSO publications, are also included in the Lichtenknecker database (Frank and Lichtenknecker1987) administrated by the Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e. V. (BAV) at: http://www.bav-astro.eu/index.php/veroeffentlichungen/service-for-scientists/lkdb-engl. These observations were reduced by the observers or the writer using the method of Kwee and van Woerden (1956). The standard error is included when available. 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: CD Cam (Baldwin and Samolyk 2007), AC CMi (Samolyk 2008), CW Cas (Samolyk 1992a), DF Hya (Samolyk 1992b), DK Hya (Samolyk 1990), EF Ori (Baldwin and Samolyk 2005), GU Ori (Samolyk 1985).

The light elements used for QX And, V376 And, EK Aqr, IT Cnc, VY Cet, and V1128 Tau are from (Kreiner 2004).

The light elements used for, VZ Psc, and DG Psc, are from (Paschke 2014).

The light elements used for MW And, and V731 Cep are from (Nelson 2016).

The light elements used for DG CMi, V1011 Cas, EV Lyr, and V1249 Tau are from the AAVSO VSX site (Watson *et al.* 2014). O–C values listed in this paper can be directly compared with values published in the AAVSO EB monographs.

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Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program.

Star	*JD (min) Hel. 2400000 +*	*Cycle*	*O–C (day)*	*F*	*Observer*	*Error (day)*	*Star*	*JD (min) Hel. 2400000 +*	*Cycle*	*O–C (day)*	*F*	*Observer*	*Error (day)*
RT And	58049.3893	26883	–0.0119	TG	I. Megson	0.0001	WZ And	58056.5028	24702	0.0788	V	T. Arranz	0.0001
RT And	58049.3894	26883	–0.0117	V	T. Arranz	0.0001	WZ And	58072.5021	24725	0.0779	V	T. Arranz	0.0001
RT And	58054.4214	26891	–0.0112	V	T. Arranz	0.0001	WZ And	58083.6334	24741	0.0787	V	N. Simmons	0.0001
RT And	58076.4329	26926	–0.0122	V	T. Arranz	0.0001	XZ And	58043.6982	25099	0.1862	V	G. Samolyk	0.0001
RT And	58078.3197	26929	–0.0122	V	T. Arranz	0.0001	XZ And	58050.4851	25104	0.1867	V	T. Arranz	0.0001
RT And	58101.5904	26966	–0.0119	V	S. Cook	0.0004	XZ And	58058.6293	25110	0.1872	V	T. Arranz	0.0001
TW And	58063.4416	4619	–0.0619	V	T. Arranz	0.0001	XZ And	58073.5593	25121	0.1872	V	T. Arranz	0.0001
UU And	58075.4919	11051	0.0948	V	T. Arranz	0.0001	XZ And	58111.5637	25149	0.1878	V	G. Samolyk	0.0001
UU And	58084.4102	11057	0.0953	V	T. Arranz	0.0001	AB And	57999.8143	65956	–0.0436	V	R. Sabo	0.0005
UU And	58121.5682	11082	0.0959	V	K. Menzies	0.0001	AB And	58051.4237	66111.5	–0.0435	V	T. Arranz	0.0001

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program, cont.

Star	JD (min) Hel. 2400000 +	Cycle	O–C (day)	F	Observer	Error (day)	Star	JD (min) Hel. 2400000 +	Cycle	O–C (day)	F	Observer	Error (day)
AB And	58051.5891	66112	–0.0440	V	T. Arranz	0.0001	EP Aur	58035.8932	53682	0.0197	V	G. Samolyk	0.0001
AB And	58058.3943	66132.5	–0.0426	V	L. Corp	0.0002	EP Aur	58063.6706	53729	0.0198	V	T. Arranz	0.0001
AB And	58079.6336	66196.5	–0.0444	V	G. Samolyk	0.0002	EP Aur	58079.6281	53756	0.0201	V	T. Arranz	0.0001
AB And	58137.5488	66371	–0.0444	V	G. Samolyk	0.0001	EP Aur	58083.7656	53763	0.0205	V	N. Simmons	0.0001
AD And	58006.8987	19270.5	–0.0391	V	G. Samolyk	0.0002	EP Aur	58090.8579	53775	0.0207	V	G. Samolyk	0.0001
AD And	58070.5089	19335	–0.0385	V	T. Arranz	0.0001	HP Aur	58043.8308	10744.5	0.0669	V	G. Samolyk	0.0002
AD And	58071.4959	19336	–0.0377	V	T. Arranz	0.0001	HP Aur	58076.5570	10767.5	0.0684	V	T. Arranz	0.0001
AD And	58074.4533	19339	–0.0389	V	T. Arranz	0.0001	HP Aur	58132.7572	10807	0.0674	V	G. Samolyk	0.0002
AD And	58077.4113	19342	–0.0395	V	T. Arranz	0.0001	TU Boo	58132.9680	77298	–0.1571	V	B. Harris	0.0001
BD And	58044.5774	49864	0.0171	V	K. Menzies	0.0001	TZ Boo	58144.9078	62296	0.0620	V	K. Menzies	0.0001
BD And	58072.3527	49924	0.0183	V	T. Arranz	0.0002	AD Boo	58135.9287	16146	0.0357	V	G. Samolyk	0.0001
BD And	58088.5532	49959	0.0172	V	G. Samolyk	0.0001	Y Cam	58065.8061	4569	0.4806	V	G. Samolyk	0.0001
BX And	58050.5001	35275	–0.0962	V	T. Arranz	0.0001	SV Cam	58083.8837	26117	0.0606	V	G. Samolyk	0.0003
BX And	58053.5506	35280	–0.0963	V	T. Arranz	0.0001	SV Cam	58101.6747	26147	0.0595	V	S. Cook	0.0004
BX And	58058.4309	35288	–0.0969	V	T. Arranz	0.0001	CD Cam	58083.6988	6963	–0.0148	V	G. Samolyk	0.0003
BX And	58064.5325	35298	–0.0965	V	T. Arranz	0.0001	CD Cam	58107.7742	6994.5	–0.0112	V	G. Samolyk	0.0005
BX And	58075.5149	35316	–0.0961	V	T. Arranz	0.0001	WY Cnc	57849.3770	37977	–0.0433	V	T. Arranz	0.0001
BX And	58128.5915	35403	–0.0996	V	K. Menzies	0.0003	WY Cnc	57854.3534	37983	–0.0431	V	T. Arranz	0.0001
DS And	58035.8052	21665.5	0.0048	V	G. Samolyk	0.0003	IT Cnc	58114.8922	15439	0.0155	V	K. Menzies	0.0001
DS And	58079.7615	21709	0.0035	V	G. Samolyk	0.0001	SX CMa	58093.8493	18469	0.0213	V	G. Samolyk	0.0001
DS And	58111.5940	21740.5	0.0047	V	G. Samolyk	0.0001	SX CMa	58137.7050	18496	0.0220	V	G. Samolyk	0.0001
MW And	58029.8977	13561.5	–0.0084	V	K. Menzies	0.0001	UU CMa	58086.8652	6226	–0.0774	V	G. Samolyk	0.0001
QX And	58002.9325	13351	0.0001	V	R. Sabo	0.0003	UU CMa	58136.6949	6249	–0.0769	V	G. Samolyk	0.0005
QX And	58035.9103	13431	0.0042	V	G. Samolyk	0.0002	XZ CMi	58065.8944	26989	0.0031	V	G. Samolyk	0.0001
QX And	58039.8236	13440.5	0.0018	V	K. Menzies	0.0002	XZ CMi	58094.8349	27039	0.0031	V	K. Menzies	0.0001
QX And	58079.6013	13537	0.0049	V	G. Samolyk	0.0002	XZ CMi	58145.7717	27127	0.0047	V	K. Menzies	0.0001
QX And	58079.8064	13537.5	0.0040	V	G. Samolyk	0.0002	AC CMi	58070.9515	7025	0.0038	V	G. Samolyk	0.0001
QX And	58111.5402	13614.5	0.0005	V	G. Samolyk	0.0002	AK CMi	58067.9390	26447	–0.0242	V	G. Samolyk	0.0001
QX And	58111.7514	13615	0.0056	V	G. Samolyk	0.0002	DG CMi	58128.7750	5047	0.0516	V	K. Menzies	0.0001
V376 And	58044.8954	6942	0.0035	V	K. Menzies	0.0002	RZ Cas	58132.6063	12493	0.0792	V	G. Samolyk	0.0001
V376 And	58137.5414	7058	0.0033	V	K. Menzies	0.0001	TV Cas	58093.5730	7443	–0.0295	V	G. Samolyk	0.0002
RY Aqr	58006.4080	8737	–0.1378	V	T. Arranz	0.0001	TW Cas	58005.6284	11200	0.0123	V	G. Samolyk	0.0001
RY Aqr	58008.3741	8738	–0.1383	V	T. Arranz	0.0001	ZZ Cas	58020.8030	19769	0.0227	V	K. Menzies	0.0001
RY Aqr	58069.3379	8769	–0.1389	V	T. Arranz	0.0001	AB Cas	57997.6161	11181	0.1374	V	G. Samolyk	0.0002
CX Aqr	58043.6271	38832	0.0160	V	G. Samolyk	0.0001	CW Cas	58007.8209	51356.5	–0.1083	V	K. Menzies	0.0001
CX Aqr	58107.5651	38947	0.0156	V	G. Samolyk	0.0001	CW Cas	58028.8646	51422.5	–0.1096	V	K. Menzies	0.0002
CZ Aqr	58067.5571	17034	–0.0635	V	G. Samolyk	0.0001	CW Cas	58083.5482	51594	–0.1112	V	T. Arranz	0.0001
CZ Aqr	58111.5578	17085	–0.0633	V	G. Samolyk	0.0001	CW Cas	58084.6653	51597.5	–0.1101	V	S. Cook	0.0006
EK Aqr	58052.6216	18114.5	0.0146	V	G. Samolyk	0.0002	CW Cas	58136.3181	51759.5	–0.1133	V	T. Arranz	0.0001
EK Aqr	58083.5729	18215.5	0.0068	V	G. Samolyk	0.0003	CW Cas	58139.3482	51769	–0.1124	V	T. Arranz	0.0001
XZ Aql	58026.6488	7537	0.1806	V	N. Simmons	0.0004	CW Cas	58147.3193	51794	–0.1129	V	T. Arranz	0.0001
KO Aql	58046.5753	5642	0.1046	V	G. Samolyk	0.0001	DZ Cas	58043.5993	37724	–0.2074	V	G. Samolyk	0.0002
OO Aql	57980.4642	38215.5	0.0668	V	L. Corp	0.0001	DZ Cas	58084.4152	37776	–0.2059	V	T. Arranz	0.0001
V343 Aql	58045.5695	16048	–0.0364	V	K. Menzies	0.0002	IS Cas	58006.6593	15873	0.0700	V	N. Simmons	0.0001
V346 Aql	58010.4207	14545	–0.0131	V	T. Arranz	0.0001	IS Cas	58052.6978	15898	0.0707	V	G. Samolyk	0.0001
V346 Aql	58031.4415	14564	–0.0132	V	T. Arranz	0.0001	MM Cas	58093.7112	19588	0.1178	V	G. Samolyk	0.0001
SS Ari	58019.7849	46778.5	–0.3817	V	N. Simmons	0.0001	OR Cas	58052.7044	11112	–0.0319	V	G. Samolyk	0.0002
SS Ari	58064.4434	46888.5	–0.3825	V	T. Arranz	0.0001	OX Cas	58107.6241	6764	0.0746	V	G. Samolyk	0.0003
SS Ari	58066.4733	46893.5	–0.3826	V	T. Arranz	0.0001	V364 Cas	58052.5433	15371.5	–0.0245	V	G. Samolyk	0.0001
SS Ari	58074.5930	46913.5	–0.3828	V	T. Arranz	0.0001	V375 Cas	58023.6467	15869	0.2561	V	T. Arranz	0.0001
SS Ari	58079.4637	46925.5	–0.3840	V	T. Arranz	0.0001	V375 Cas	58029.5412	15873	0.2570	V	T. Arranz	0.0001
SS Ari	58124.5279	47036.5	–0.3851	V	G. Samolyk	0.0002	V375 Cas	58032.4854	15875	0.2545	V	T. Arranz	0.0002
SX Aur	58123.5755	14843	0.0196	V	G. Samolyk	0.0001	V380 Cas	58119.5460	23926	–0.0728	V	G. Samolyk	0.0003
TT Aur	57697.8840	27354	–0.0056	V	G. Samolyk	0.0001	V1011 Cas	58104.6407	3937.5	–0.0061	V	K. Menzies	0.0002
TT Aur	58065.7173	27630	–0.0072	V	G. Samolyk	0.0001	V1115 Cas	57310.5838	12132.5	–0.1011	B	G. Lubcke	0.0010
WW Aur	58123.7688	9971.5	0.0003	V	G. Samolyk	0.0002	V1115 Cas	57310.5852	12132.5	–0.0997	V	G. Lubcke	0.0001
AP Aur	58047.8474	27406	1.6600	V	K. Menzies	0.0001	V1115 Cas	57310.5859	12132.5	–0.0990	Ic	G. Lubcke	0.0044
AP Aur	58066.6361	27439	1.6614	V	T. Arranz	0.0001	V1115 Cas	57311.5524	12135.5	–0.1024	V	G. Lubcke	0.0005
AP Aur	58068.9147	27443	1.6628	V	K. Menzies	0.0001	V1115 Cas	57311.5526	12135.5	–0.1022	B	G. Lubcke	0.0003
AP Aur	58084.5761	27470.5	1.6681	V	T. Arranz	0.0001	V1115 Cas	57311.5532	12135.5	–0.1016	Ic	G. Lubcke	0.0038
AP Aur	58114.7529	27523.5	1.6713	V	G. Samolyk	0.0002	V1115 Cas	57311.7156	12136	–0.1008	Ic	G. Lubcke	0.0016
AR Aur	58132.8182	4772	–0.1295	V	G. Samolyk	0.0002	V1115 Cas	57311.7156	12136	–0.1008	V	G. Lubcke	0.0000
CL Aur	58043.8780	20152	0.1826	V	G. Samolyk	0.0001	V1115 Cas	57330.6287	12194.5	–0.1002	V	G. Lubcke	0.0006
CL Aur	58083.6977	20184	0.1826	V	T. Arranz	0.0001	V1115 Cas	57330.6289	12194.5	–0.1000	Ic	G. Lubcke	0.0010
CL Aur	58088.6750	20188	0.1825	V	G. Samolyk	0.0001	V1115 Cas	57330.6295	12194.5	–0.0994	B	G. Lubcke	0.0025
EM Aur	58065.9411	14860	–1.1147	V	G. Samolyk	0.0002	V1115 Cas	57334.6665	12207	–0.1035	B	G. Lubcke	0.0015

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program, cont.

Star	*JD (min) Hel. 2400000 +*	*Cycle*	*O–C (day)*	*F*	*Observer*	*Error (day)*	*Star*	*JD (min) Hel. 2400000 +*	*Cycle*	*O–C (day)*	*F*	*Observer*	*Error (day)*
V1115 Cas	57334.6682	12207	–0.1018	V	G. Lubcke	0.0008	Y Leo	58093.9509	7507	–0.0678	V	G. Samolyk	0.0001
V1115 Cas	57334.6683	12207	–0.1017	Ic	G. Lubcke	0.0004	UU Leo	58136.8246	7584	0.2136	V	G. Samolyk	0.0001
V1115 Cas	57335.6375	12210	–0.1024	V	G. Lubcke	0.0010	UV Leo	58083.9457	32734	0.0442	V	G. Samolyk	0.0001
V1115 Cas	57335.6376	12210	–0.1023	Ic	G. Lubcke	0.0009	VZ Leo	58107.8308	24721	–0.0514	V	G. Samolyk	0.0003
V1115 Cas	57335.6378	12210	–0.1021	B	G. Lubcke	0.0003	XZ Leo	58132.8294	26874	0.0783	V	K. Menzies	0.0002
V1115 Cas	57336.6063	12213	–0.1034	B	G. Lubcke	0.0016	T LMi	58101.8925	4207	–0.1317	V	G. Samolyk	0.0002
V1115 Cas	57336.6077	12213	–0.1021	V	G. Lubcke	0.0003	RR Lep	58123.7393	30310	–0.0454	V	G. Samolyk	0.0001
V1115 Cas	57336.6078	12213	–0.1020	Ic	G. Lubcke	0.0005	RY Lyn	58063.8549	10576	–0.0212	V	G. Samolyk	0.0003
V1115 Cas	57361.6625	12290.5	–0.1022	V	G. Lubcke	0.0008	RY Lyn	58083.9459	10590	–0.0200	V	G. Samolyk	0.0001
V1115 Cas	57361.6632	12290.5	–0.1015	Ic	G. Lubcke	0.0011	RY Lyn	58122.6903	10617	–0.0203	V	G. Samolyk	0.0001
U Cep	58031.6976	5411	0.2145	V	G. Samolyk	0.0001	RY Lyn	58132.7360	10624	–0.0195	V	K. Menzies	0.0001
SU Cep	58066.5088	35213	0.0069	V	K. Menzies	0.0001	EV Lyr	58058.3065	3380	0.0015	V	T. Arranz	0.0001
WZ Cep	58007.6503	71787	–0.1807	V	N. Simmons	0.0001	β Lyr	57932.92	691	2.34	R	G. Samolyk	0.02
XX Cep	58031.6934	5644	0.0199	V	G. Samolyk	0.0002	β Lyr	57932.94	691	2.35	V	G. Samolyk	0.02
ZZ Cep	58080.6939	14078	–0.0175	V	S. Cook	0.0008	β Lyr	57932.94	691	2.36	B	G. Samolyk	0.02
ZZ Cep	58093.5445	14084	–0.0177	V	G. Samolyk	0.0001	β Lyr	57939.32	691.5	2.27	V	G. Samolyk	0.03
DK Cep	57997.6924	24756	0.0306	V	G. Samolyk	0.0001	β Lyr	57939.34	691.5	2.29	R	G. Samolyk	0.02
V731 Cep	58031.6900	315.5	0.2227	V	G. Samolyk	0.0002	β Lyr	57939.37	691.5	2.32	B	G. Samolyk	0.02
SS Cet	58067.7448	5251	0.0678	V	G. Samolyk	0.0001	BB Mon	58090.8907	42868	–0.0043	V	G. Samolyk	0.0001
TT Cet	58083.7357	52552	–0.0803	V	G. Samolyk	0.0001	BO Mon	58093.8921	6555	–0.0174	V	G. Samolyk	0.0001
TW Cet	58046.7417	49466	–0.0324	V	G. Samolyk	0.0001	V508 Oph	57986.3619	37425	–0.0265	R	L. Corp	0.0001
TW Cet	58086.6642	49592	–0.0332	V	G. Samolyk	0.0003	EF Ori	58081.8253	3539	0.0090	V	G. Samolyk	0.0003
TX Cet	58035.7663	20184	0.0124	V	G. Samolyk	0.0002	EQ Ori	58081.7823	15259	–0.0445	V	G. Samolyk	0.0001
VY Cet	57769.4664	15461	–0.0007	V	G. Silvis	0.0001	ER Ori	58044.8949	38777.5	0.1368	V	G. Samolyk	0.0001
RZ Com	58132.9544	68818.5	0.0567	V	G. Samolyk	0.0002	ET Ori	58132.6703	33071	–0.0039	V	G. Samolyk	0.0001
SS Com	58114.9240	80213.5	0.9309	V	G. Samolyk	0.0003	FH Ori	58046.8614	14944	–0.4606	V	G. Samolyk	0.0002
SS Com	58128.9605	80247.5	0.9325	V	K. Menzies	0.0002	FR Ori	58031.9021	34161	0.0402	V	G. Samolyk	0.0001
CC Com	58120.9672	84225.5	–0.0281	V	K. Menzies	0.0001	FT Ori	58045.9043	5300	0.0217	V	K. Menzies	0.0001
CC Com	58145.9047	84338.5	–0.0281	V	K. Menzies	0.0001	FZ Ori	58083.7548	35149.5	–0.0325	V	G. Samolyk	0.0002
TW CrB	57940.7251	34035	0.0553	V	S. Cook	0.0005	GU Ori	58046.9078	31820	–0.0646	V	G. Samolyk	0.0002
V Crt	57424.8135	22830	–0.0030	V	G. Samolyk	0.0001	GU Ori	58066.9111	31862.5	–0.0653	V	K. Menzies	0.0001
Y Cyg	58019.6090	16208.5	0.1296	V	N. Simmons	0.0001	U Peg	58039.6968	57442	–0.1668	V	K. Menzies	0.0001
BR Cyg	58000.6317	12353	0.0014	V	G. Samolyk	0.0001	U Peg	58041.3844	57446.5	–0.1658	V	L. Corp	0.0001
CG Cyg	58085.5142	29566	0.0773	V	K. Menzies	0.0001	U Peg	58081.6736	57554	–0.1656	V	S. Cook	0.0007
V704 Cyg	58079.5911	35290	0.0379	V	G. Samolyk	0.0002	U Peg	58083.5466	57559	–0.1665	V	G. Samolyk	0.0001
V836 Cyg	58005.3940	20128	0.0229	V	T. Arranz	0.0001	TY Peg	58067.7215	5697	–0.4398	V	G. Samolyk	0.0002
V836 Cyg	58020.4224	20151	0.0229	V	T. Arranz	0.0001	UX Peg	58035.6516	11401	–0.0058	V	G. Samolyk	0.0001
V836 Cyg	58039.3709	20180	0.0224	V	T. Arranz	0.0001	UX Peg	58083.5346	11432	–0.0059	V	G. Samolyk	0.0001
V836 Cyg	58056.3597	20206	0.0225	V	T. Arranz	0.0001	BX Peg	58020.5559	49302	–0.1275	V	K. Menzies	0.0001
V836 Cyg	58073.3487	20232	0.0228	V	T. Arranz	0.0001	BX Peg	58030.6519	49338	–0.1266	V	K. Menzies	0.0001
V1034 Cyg	57970.5086	15387	0.0123	V	L. Corp	0.0003	DI Peg	58114.5481	18148	0.0088	V	G. Samolyk	0.0001
V1034 Cyg	58052.5738	15471	0.0153	V	G. Samolyk	0.0002	GP Peg	58115.4866	17299	–0.0555	V	K. Menzies	0.0001
FZ Del	58065.5329	34143	–0.0239	V	G. Samolyk	0.0001	Z Per	58079.7556	4064	–0.3194	V	G. Samolyk	0.0001
TZ Eri	58139.6045	6034	0.3435	V	G. Samolyk	0.0001	RT Per	58030.8622	29026	0.1102	V	K. Menzies	0.0001
YY Eri	58043.8938	51205	0.1619	V	G. Samolyk	0.0001	RT Per	58077.5795	29081	0.1105	V	G. Samolyk	0.0001
YY Eri	58148.5422	51530.5	0.1639	V	G. Samolyk	0.0001	RT Per	58093.7186	29100	0.1110	V	G. Samolyk	0.0001
SX Gem	58082.8912	28570	–0.0547	SG	K. Menzies	0.0001	RT Per	58116.6521	29127	0.1107	V	S. Cook	0.0003
TX Gem	58135.7627	13674	–0.0407	V	G. Samolyk	0.0001	RV Per	58067.7315	8118	0.0057	V	G. Samolyk	0.0001
WW Gem	58137.6616	25976	0.0261	V	G. Samolyk	0.0001	RV Per	58148.6434	8159	0.0044	V	G. Samolyk	0.0002
AF Gem	58086.9272	24869	–0.0703	V	G. Samolyk	0.0001	ST Per	58085.7179	5909	0.3166	V	G. Samolyk	0.0002
AF Gem	58136.6655	24909	–0.0722	V	G. Samolyk	0.0001	XZ Per	58070.9673	12646	–0.0752	V	G. Samolyk	0.0001
AL Gem	58081.8410	22825	0.0930	V	G. Samolyk	0.0001	XZ Per	58106.6679	12677	–0.0753	V	S. Cook	0.0005
UX Her	58001.5794	11834	0.1348	V	K. Menzies	0.0001	XZ Per	58114.7297	12684	–0.0749	V	G. Samolyk	0.0001
WY Hya	58122.8393	24513.5	0.0385	V	G. Samolyk	0.0001	IT Per	58029.8308	18678	–0.0454	V	K. Menzies	0.0002
DF Hya	58079.9279	46255	0.0069	V	G. Samolyk	0.0001	IT Per	58054.3760	18694	–0.0398	TG	I. Megson	0.0004
DF Hya	58083.8954	46267	0.0071	V	N. Simmons	0.0001	IU Per	58114.5823	14589	0.0071	V	G. Samolyk	0.0002
DI Hya	58101.9317	43773	–0.0402	V	G. Samolyk	0.0001	KW Per	58044.8417	16795	0.0175	V	K. Menzies	0.0001
DK Hya	58131.8200	29292	0.0009	V	G. Samolyk	0.0001	KW Per	58086.7491	16840	0.0182	V	G. Samolyk	0.0001
SW Lac	58027.4548	39761	–0.0766	V	T. Arranz	0.0001	V432 Per	57997.8295	68809.5	0.0295	V	G. Samolyk	0.0002
SW Lac	58038.3599	39795	–0.0760	V	L. Corp	0.0001	V432 Per	58028.8776	68906	0.0512	V	K. Menzies	0.0001
SW Lac	58045.5748	39817.5	–0.0773	V	K. Menzies	0.0001	V432 Per	58030.7946	68912	0.0391	V	K. Menzies	0.0001
AW Lac	58066.5169	27512	0.2112	V	K. Menzies	0.0001	V432 Per	58077.5573	69057.5	0.0211	V	G. Samolyk	0.0001
CM Lac	58001.6743	19303	–0.0037	V	K. Menzies	0.0001	V432 Per	58128.5400	69216	0.0433	V	K. Menzies	0.0003
CM Lac	58025.7445	19318	–0.0038	V	K. Menzies	0.0001	β Per	58065.6732	4333	0.1302	V	G. Samolyk	0.0001
CO Lac	58046.6570	19785	0.0088	V	G. Samolyk	0.0001	Y Psc	58088.6084	3307	–0.0241	V	G. Samolyk	0.0001
CO Lac	58107.5523	19824.5	–0.0131	V	G. Samolyk	0.0001	RV Psc	58009.8061	60702	–0.0629	V	K. Menzies	0.0001

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program, cont.

Star	JD (min) Hel. 2400000 +	Cycle	O–C (day)	F	Observer	Error (day)	Star	JD (min) Hel. 2400000 +	Cycle	O–C (day)	F	Observer	Error (day)
RV Psc	58025.8720	60731	–0.0627	V	K. Menzies	0.0001	V Tri	57997.8062	57285	–0.0073	V	G. Samolyk	0.0003
RV Psc	58090.6891	60848	–0.0626	V	G. Samolyk	0.0001	V Tri	58021.7999	57326	–0.0071	V	K. Menzies	0.0001
VZ Psc	58034.3645	54360.5	0.0027	V	L. Corp	0.0003	X Tri	58026.7877	15979	–0.0943	V	G. Samolyk	0.0001
VZ Psc	58034.4947	54361	0.0023	V	L. Corp	0.0003	X Tri	58034.5599	15987	–0.0943	V	T. Arranz	0.0001
ET Psc	58054.6918	12354	–0.0057	V	K. Menzies	0.0001	X Tri	58035.5314	15988	–0.0944	V	T. Arranz	0.0001
UZ Pup	58119.7991	16992	–0.0108	V	G. Samolyk	0.0001	X Tri	58036.5028	15989	–0.0945	V	T. Arranz	0.0001
AV Pup	58135.7783	48455	0.2459	V	G. Samolyk	0.0001	X Tri	58037.4746	15990	–0.0942	V	T. Arranz	0.0001
RW Tau	58107.6897	4487	–0.2796	V	G. Samolyk	0.0001	X Tri	58072.4496	16026	–0.0945	V	T. Arranz	0.0001
RW Tau	58132.6080	4496	–0.2809	V	K. Menzies	0.0001	X Tri	58107.4246	16062	–0.0948	V	T. Arranz	0.0001
RW Tau	58132.6081	4496	–0.2808	V	G. Samolyk	0.0001	X Tri	58108.3957	16063	–0.0952	V	T. Arranz	0.0001
RZ Tau	58031.8282	48969	0.0868	V	G. Samolyk	0.0002	X Tri	58137.5414	16093	–0.0956	V	G. Samolyk	0.0001
RZ Tau	58135.5400	49218.5	0.0878	V	G. Samolyk	0.0001	X Tri	58137.5415	16093	–0.0955	V	K. Menzies	0.0001
TY Tau	58046.8429	34208	0.2710	V	G. Samolyk	0.0002	RV Tri	58024.8530	15911	–0.0424	V	R. Sabo	0.0001
TY Tau	58086.7067	34245	0.2726	V	G. Samolyk	0.0002	W UMa	58104.8822	36984	–0.1052	V	K. Menzies	0.0001
WY Tau	58043.7516	29796	0.0643	V	G. Samolyk	0.0002	TX UMa	58148.8689	4293	0.2398	V	G. Samolyk	0.0001
WY Tau	58136.5812	29930	0.0643	V	G. Samolyk	0.0009	VV UMa	58102.8664	17876	–0.0750	V	K. Menzies	0.0001
AC Tau	58119.6188	6109	0.1670	V	G. Samolyk	0.0002	VV UMa	58104.9286	17879	–0.0749	V	K. Menzies	0.0001
AQ Tau	58047.8793	23351	0.5310	V	K. Menzies	0.0001	XZ UMa	58079.7886	9745	–0.1458	V	G. Samolyk	0.0001
CT Tau	58066.7323	18989	–0.0673	V	K. Menzies	0.0001	AH Vir	58114.8822	30183	0.2909	V	G. Samolyk	0.0001
CT Tau	58094.7381	19031	–0.0683	V	K. Menzies	0.0001	AH Vir	58145.8532	30259	0.2903	V	K. Menzies	0.0002
CT Tau	58114.7437	19061	–0.0676	V	K. Menzies	0.0001	Z Vul	58013.3935	6137	–0.0142	V	T. Arranz	0.0001
EQ Tau	58009.8334	52136	–0.0360	V	K. Menzies	0.0001	Z Vul	58040.3980	6148	–0.0139	V	T. Arranz	0.0001
EQ Tau	58025.8764	52183	–0.0363	V	K. Menzies	0.0001	AX Vul	58000.6290	6493	–0.0380	V	G. Samolyk	0.0001
EQ Tau	58057.7918	52276.5	–0.0370	V	R. Sabo	0.0002	BE Vul	58003.4504	11528	0.1062	V	T. Arranz	0.0001
EQ Tau	58066.8387	52303	–0.0358	V	K. Menzies	0.0001	BE Vul	58065.5325	11568	0.1065	V	G. Samolyk	0.0001
EQ Tau	58086.6360	52361	–0.0368	V	G. Samolyk	0.0001	BS Vul	58037.6075	31023	–0.0334	V	R. Sabo	0.0001
EQ Tau	58132.5461	52495.5	–0.0380	V	G. Samolyk	0.0001	BT Vul	58043.5939	19840	0.0059	V	G. Samolyk	0.0002
HU Tau	58124.6813	8194	0.0397	V	G. Samolyk	0.0001	BT Vul	58067.5595	19861	0.0063	V	G. Samolyk	0.0001
V1128 Tau	58058.5148	18202	–0.0020	V	L. Corp	0.0002	BU Vul	58067.5380	43118	0.0148	V	G. Samolyk	0.0001
V1128 Tau	58075.4634	18257.5	–0.0015	V	L. Corp	0.0001	CD Vul	58035.6707	17166	–0.0010	V	G. Samolyk	0.0001
V1249 Tau	58104.6566	5466	–0.0076	V	K. Menzies	0.0002							