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TIMINGS OF MINIMA OF ECLIPSING BINARIES

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The following Table lists timings of minima of eclipsing binaries secured by CCD photometry, obtained in the second half of 2012. The given $O-C$ values generally refer to the linear elements of the newest electronic version of the GCVS (Samus et al., 2012), except for the cases stated in the remarks, where the determination of current elements made use of the up-to-date ASAS data (<http://www.astrouw.edu.pl/asas/>) and the Lafler-Kinman algorithm of the PERANSO software (<http://www.peranso.com/>). All times given are heliocentric UTC. All data were obtained at the R. Szafraniec Observatory operated at Astrokolchoz Obs., Cloudcroft, N.M., USA. The untiring support by T. Krajci at the site is acknowledged thankfully.

Table 1: Minima of eclipsing binaries

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
RT And	p	56226.7518(3)	+0.0537	42	V
XZ And	p	56265.6514(1)	-0.0369	48	V
AA And	p	56232.6993(5)	-0.0024	38	V; d=0.054d
AB And	s	56226.6913(3)	-0.0089	44	V
AD And	s	56237.6501(2)	-0.0478	45	V
BD And	p	56233.6979(2)	-0.0239	49	V
BL And	p	56238.6738(2)	-0.0028	38	V; d=0.038d
BX And	p	56261.6736(2)	-0.0117	48	V
CN And	s	56245.7135(8)	-0.0117	24	V
CU And	p	56226.6989(3)	-0.1054	44	V
DK And	s	56226.6455(4)	+0.0106	43	V
EP And	p	56202.8681(2)	-0.0134	48	V; d=0.025d
EX And	p	56238.6878(4)	-0.0006	38	V
GZ And	s	56273.6354(2)	-0.0023	30	V
	p	56273.7868(15)	-0.0034	12	V
HR And	p	56258.7026(5)	+0.0446	39	V; el: Krakow Catalog
HS And	p	56255.7393(2)	-0.0002	43	V
KP And	p	56237.645(3)	+0.051	34	V; el: IBVS 5674
LM And	p	56205.8626(5)	-0.0099	39	V; d=0.038d
LO And	p	56226.6783(2)	-0.0084	40	V
LY And	s	56261.6786(3)	-0.0138	48	V; d=0.024d
MO And	p	56265.6489(3)	+0.0123	47	V
QX And	p	56273.6643(3)	+0.0007	53	V; el: 46785.8003+0.4121753×E
V372 And	p	56203.9367(6)	+0.0703	51	V; d=0.07d
V382 And	p	56237.7508(15)	+0.0844	34	V
V422 And	p	56225.6767(3)	-0.0093	35	V

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
V440 And	p	56245.6533(2)	-0.0041	47	V; el: IBVS 5871; D=0.11d
V449 And	s	56202.8563(4)	-0.0287	47	V
V473 And	?	56254.7403(6)	+0.0833	41	V; d=0.031d
V489 And	p	56258.7405(5)	+0.0011	40	V; el: IBVS 5960
V502 And	p:	56256.6562(6)	+0.0013	44	V; pulsator?
V506 And	s:	56258.6505(4)	-0.0104	36	V
V546 And	s:	56262.6190(3)	+0.0009	36	V; el: 51475.6132+0.383037×E; d=0.032d
V563 And	s	56205.8131(6)	-0.0021	18	V; el: 51478.76+0.303201×E
	p	56205.9641(2)	-0.0026	19	V
V566 And	s	56265.7532(3)	-0.0050	47	V; el: 51478.78+0.389708×E
	p	56273.7423(5)	-0.0049	51	V
V568 And	p	56279.6244(4)	+0.0046	47	V; el: 51509.93+0.394287×E; d=0.036d
V571 And	p:	56214.8637(6)	+0.0166	37	V
GSC 1734-408 And	s	56256.6788(3)	-0.0010	44	V; el: IBVS 5960; d=0.014d
GSC 1739-1463 And	s	56259.6686(5)	-0.0112	23	V; el: IBVS 5960
GSC 3234-1318 And	s	56237.6898(5)	+0.0508	33	V; el: PZP 10, 18
GSC 3243-962 And	s	56232.6355(4)	+0.0005	39	V; el: 51573.628+1.557415×E
GSC 3303-1583 And	p	56210.9291(3)	+0.0583	49	V; el: OEJV 104
GSC 3627-1727 And	s	56232.7149(4)	-0.0027	39	V; el: 51400.783+0.396792×E
GSC 3638-2422 And	p	56238.6504(2)	-0.0142	38	V; el: IBVS 5920
GSC 3641-587 And	p	56226.7457(6)	-0.0158	43	V; el: IBVS 5920
BW Aqr	s	56227.6129(10)	-0.1851	27	V; non-circular
EF Aqr	p	56237.6776(1)	-0.0069	34	V; el: IBVS 6011
EL Aqr	p	56239.7331(5)	+0.0205	36	V; el: 53541.891+0.4814100×E
GN Aqr	s	56228.6388(15)	-0.0320	28	V; el: 53116.924+4.404454×E
GS Aqr	p	56227.7316(5)	+0.0033	38	V; el: 54383.578+0.374067×E
NN Aqr	p	56218.6831(6)	+0.0051	16	V; el: IBVS 6011
GSC 529-285 Aqr	p	56205.7195(3)	-0.0001	46	V; el: 54333.645+0.412988×E
GSC 5210-437 Aqr	p	56219.7229(3)	-0.0056	45	V; el: IBVS 5960
GSC 5220-352 Aqr	s	56214.6728(4)	+0.0051	43	V; el: IBVS 6011
GSC 5248-214 Aqr	p	56231.7048(5)	+0.0019	45	V; el: IBVS 6011
GSC 5777-383 Aqr	s	56205.7046(3)	+0.0085	19	V; el: IBVS 6011
GSC 5811-437 Aqr	s	56227.6767(7)	-0.0079	31	V; el: IBVS 6011
GSC 5817-92 Aqr	s	56227.6723(7)	+0.0003	30	V; el: IBVS 6011
GSC 5817-435 Aqr	s	56227.6820(4)	+0.0112	30	V; el: IBVS 6011; d=0.035d
GSC 5826-1082 Aqr	p	56231.6635(3)	-0.0337	41	V; el: IBVS 6011
GSC 5835-944 Aqr	s	56231.7014(3)	-0.0077	45	V; el: IBVS 6011
RX Ari	p	56262.6536(5)	+0.0728	36	V; d=0.046d
SS Ari	s	56262.7230(5)	-0.0084	36	V
SZ Ari	p	56290.7143(2)	+0.0084	42	V; el: Krakow Catalog
TX Ari	p	56210.8569(3)	-0.0171	44	V
BO Ari	p	56279.6322(1)	-0.0224	30	V; d=0.027d
GSC 645-85 Ari	s	56210.8677(2)	+0.0040	49	V; el: IBVS 5960
GSC 1213-1483 Ari	s	56265.6434(1)	+0.0326	47	V; el: IBVS 5960
GSC 1217-696 Ari	p	56214.9015(4)	+0.0015	37	V; el: IBVS 5920; d=0.034d
GSC 1240-657 Ari	s	56282.6595(4)	-0.0016	30	V; el: IBVS 5945; d=0.041d
GSC 1794-393 Ari	p:	56226.8980(7)	-0.0119	38	V; el: PZ 10, 18; strong O'Connell effect
GSC 1794-1525 Ari		56226.8823(6)		38	V; new variable
DO Aur	p	56246.8586(6)	-0.0007	42	V; d=0.027d
KO Aur	p	56257.8623(3)	-0.0026	47	V
KU Aur	p	56256.9315(3)	+0.0190	49	V
QT Aur	p	56255.9495(5)	-0.0061	38	V
V365 Aur	p	56246.8892(5)	-0.0168	42	V
V379 Aur	p	56258.8964(5)	-0.0109	40	V
V585 Aur	p	56245.9387(5)	+0.0360	43	V; d=0.029d
V599 Aur	p	56246.9026(5)	+0.0096	42	V
V608 Aur	p	56239.8784(3)	-0.0162	52	V; D=0.072d; d=0.014d
V612 Aur	p	56258.8677(5)	+0.0457	41	V; el: OEJV 83
V641 Aur	p	56255.8185(6)	-0.0186	38	V
GSC 3751-178 Aur	p	56256.9238(5)	+0.0046	17	V; el: 53285.2664+0.327997; l.c. asymmetric

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
AO Cam	s	56230.8016(3)	-0.0599	12	V; el: PASP 97, 648
AS Cam	s	56238.9423(6)	-0.2162	46	V; d=0.046d; non-circular
LR Cam	p	56261.8668(1)	+0.0015	46	V; el: 51975.6040+0.4341399×E
NO Cam	p	56230.8428(19)	+0.0108	12	V; el: IBVS 5894
NR Cam	p	56290.8875(4)	+0.0064	38	V; el: Krakow Catalog
NX Cam	s	56279.7330(6)	-0.0079	47	V; el: 51447.79+0.605318×E
	s	56290.6348(9)	-0.0019	41	V
OQ Cam	s:	56227.9635(5)	-0.0463	38	V; el: IBVS 6011; d=0.024d
QV Cam	p	56232.8763(6)	+0.0112	50	V; el: IBVS 5960
QZ Cam	p	56227.9250(7)	+0.0681	33	V; el: IBVS 6029
PP Cam	s	56220.8376(23)	-0.0029	8	V; el: 51421.782+0.840392×E
	p	56233.8648(2)	-0.0018	44	V
V337 Cam	p	56232.8761(3)	-0.0318	50	V; el: IBVS 6011
V387 Cam	p	56258.9061(5)	0	40	V; 51520.553+0.651141×E
V389 Cam	s:	56238.8259(4)	-0.0390	46	V
V392 Cam	p	56258.8871(7)	-0.0012	40	V; el: 51508.525+0.664015×E
V393 Cam	p	56258.8581(3)	+0.0229	40	V
V401 Cam	s	56258.9114(4)	+0.0196	39	V
V418 Cam	s:	56261.8714(2)	-0.0100	46	V
V424 Cam	s	56261.8763(4)	+0.0006	46	V; el: 51523.877+0.3258484×E
V426 Cam	p	56261.8552(3)	-0.0001	45	V; el: 51521.549+0.3478358×E
V437 Cam	p:	56261.8954(7)	-0.0374	45	V
V442 Cam	p:	56261.8339(3)		45	V
V443 Cam	s:	56261.8349(7)		45	V
V466 Cam	s:	56273.8334(5)	-0.0318	38	V
GSC 3715-43 Cam	p	56232.8335(4)	+0.0035	51	V; new variable in the field of NX Cam;
	p	56279.7683(3)	+0.0035	47	V; el: 56232.83+0.464701×E
	s	56290.6896(3)	+0.0043	42	V
KM Cnc	p	56282.8608(5)	-0.0005	40	V; el: IBVS 5871; d=0.030d
GSC 1388-132 Cnc	p	56282.8654(4)	+0.0020	40	V; el: IBVS 5992
GSC 5388-967 CMa	p	56273.9314(6)	+0.0026	38	V; el: 54761.822+1.724181×E
GSC 5404-2421 CMa	s	56246.841(4)	+0.974	32	V; el: IBVS 5992; non-circular
GSC 5406-2659 CMa	p	56273.8538(6)	+0.0024	37	V; el: IBVS 5992
GSC 5407-430 CMa	p	56273.8755(4)	+0.0003	36	V; el: 54597.533+1.011673×E
AH Cas	p	56262.6723(1)	+0.0005	37	V; el: Krakow Catalog
AL Cas	p	56203.8792(2)	+0.0062	50	V
BH Cas	p	56245.7090(5)	+0.0380	47	V; el: IBVS 4482
BS Cas	p	56202.8523(3)	+0.0037	48	V; d=0.026d
BU Cas	p	56261.7177(2)	-0.0239	49	V
BW Cas	p	56261.7230(3)	+0.0193	48	V; el: IBVS 5960
BZ Cas	p	56273.6427(4)	-0.0024	53	V; el: Krakow Catalog
CW Cas	p	56259.6856(11)	-0.0711	23	V
DP Cas	p	56238.7058(3)	-0.0048	38	V
EG Cas	p	56246.6712(4)	-0.0037	48	V; el: Krakow Catalog; d=0.036d
EI Cas	p	56239.6419(5)	+0.1100	36	V
EY Cas	p	56251.6576(3)	-0.0105	40	V; el: Krakow Catalog
IR Cas	p	56233.7098(2)	+0.0101	49	V
IT Cas	p	56237.6919(4)	-0.0024	33	V; el: AJ 114, 1206; non-circular
LQ Cas	p	56246.6776(4)	-0.0065	48	V; el: Krakow Catalog; d=0.044d
LX Cas	p	56290.6728(5)	+0.0504	42	V
MR Cas	s	56251.6599(3)	+0.0026	40	V; el: Krakow Catalog
MS Cas	p	56251.6606(2)	+0.0422	40	V
MT Cas	p	56254.7090(2)	+0.0233	41	V; d=0.017d
MU Cas	s	56245.6904(6)	+1.1432	47	V; el: Krakow Catalog; non-circular
NN Cas	s	56254.6716(4)	-0.0213	41	V; el: Krakow Catalog; d=0.040d
NT Cas	p	56255.6852(3)	+0.0172	43	V; d=0.024d
OX Cas	p	56215.6890(5)	+0.0400	47	V; non-circular
	s	56261.7344(5)	+0.0325	49	V

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
PV Cas	p	56203.9091(5)	-0.0337	44	V; non-circular
QQ Cas	s	56246.7019(5)	+0.0028	48	V; el: Krakow Catalog
V344 Cas	s	56225.6843(3)	-0.1115	34	V
	s	56233.6898(3)	-0.1121	49	V
V336 Cas	p	56256.7510(3)	-0.0142	45	V
V361 Cas	p	56239.6513(7)	-0.0066	36	V; el: Krakow Catalog
V375 Cas	p	56246.6770(2)	+0.0153	48	V; el: Krakow Catalog
V380 Cas	p	56254.6574(3)	-0.0683	40	V
V411 Cas	p	56254.6978(4)	+0.1634	41	V; d=0.039d
V427 Cas	s	56225.6153(9)	-0.0003	36	V; el: 54366.5402+1.305989×E
V445 Cas	s	56255.6322(6)	-0.0210	44	V; el: BAVM 69, 1
V459 Cas	s	56257.6390(2)	-0.1713	39	V; non-circular
V520 Cas	p	56246.7444(2)	+0.0014	48	V; el: Krakow Catalog
V523 Cas	s	56255.7069(3)	+0.0419	36	V; el: MNRAS 317, 111
V537 Cas	p	56256.6474(2)	-0.0056	44	V; el: Krakow Catalog
V541 Cas	s	56205.8428(7)	+0.0260	38	V; el: IBVS 2652
V608 Cas	p	56203.8719(3)	+0.0134	50	V; el: IBVS 5151; d=0.018d
V775 Cas	s	56245.7195(6)	+0.8317	47	V; el: IBVS 5557; non-circular
	p	56290.6914(4)	-0.0130	42	V
V821 Cas	p	56230.7058(3)	-0.0481	51	V; el: IBVS 5386; non-circular
V851 Cas	s	56238.7552(14)	+0.0019	38	V; el: Krakow Catalog
V860 Cas	p	56256.6727(3)	-0.0091	45	V; el: IBVS 5111
V959 Cas	s	56245.7027(4)	+0.0174	47	V; el: IBVS 5960
V1001 Cas	s	56238.6941(7)	+0.0630	14	V; D=0.068d!
V1007 Cas	s	56251.6848(6)	-0.0004	32	V; el: 51415.83+0.3320075×E; d=0.022d
V1030 Cas	s:	56254.6904(4)	-0.0394	41	V
V1031 Cas	p	56245.7488(4)	+0.0486	47	V; d=0.027d
V1043 Cas	p	56255.6059(7)	+0.0005	43	V; el: 53300.9578+0.661587×E
V1060 Cas	p	56257.6634(6)	+0.0013	39	V; el: 51339.88+1.816020×E
V1107 Cas	s	56202.8746(6)	+0.0629	48	V
V1137 Cas	s	56262.6625(5)	-0.0201	37	V; non-circular
V1138 Cas	p	56261.6452(5)	+0.0023	48	V; el: Krakow Catalog
GSC 3671-99 Cas	p	56256.7136(4)	+0.0027	44	V; non-circular
	s	56279.7064(3)	-0.7033	48	V; d=0.040d
GSC 4029-1087 Cas	p	56257.6794(4)	+0.0238	40	V; el: PZP 11, 1
U J232931+6031.6 Cas	s:	56237.6617(11)	+0.0353	34	V; el: PZP 10, 13; d=0.019d
VZ Cep	p	56203.7246(4)	-0.0106	50	V
WZ Cep	p	56226.6716(2)	-0.1081	43	V; el: AAS 131, 17
XY Cep	p	56251.6668(2)	-0.0499	40	V
CO Cep	p	56214.8111(3)	-0.1995	78	V; non-circular
	s	56233.6425(4)	+0.0128	48	V
DL Cep	p	56220.6692(3)	+0.0057	40	V; el: IBVS 5016; d=0.035d
DP Cep	s	56225.7137(6)	-0.0606	36	V
DY Cep	p	56237.647(4)	-0.027	33	V; Krakow Catalog
GW Cep	p	56202.8701(2)	+0.0023	47	V; el: IBVS 4293
IP Cep	p	56219.6983(4)	-0.0357	45	V; el: IBVS 5016; d=0.067d
LL Cep	p	56232.6514(3)	+0.0024	39	V
NN Cep	p	56237.6811(22)	-0.0024	32	V
OT Cep	s	56259.6547(12)	-0.0028	24	V; el: IBVS 5212
V358 Cep	p	56214.8991(2)	+0.0150	36	V; el: BBSAG Bull. 96, 10; d=0.028d
V699 Cep	p	56230.6795(2)	-0.0099	50	V; d=0.042d
V731 Cep	p	56256.6194(4)	-0.0153	45	V; el: IBVS 5616; non-circular
V734 Cep	s	56214.6998(4)	+0.1054	76	V; el: Krakow Catalog; d=0.053d; non-circular
	p	56261.6641(3)	-0.0049	49	V
V744 Cep	p	56230.7047(4)	+0.0241	52	V
V756 Cep	p	56255.6161(8)	+0.0009	44	V; el: 51454.597+1.722648×E
V757 Cep	p	56254.6091(4)	-0.0333	22	V
	s	56254.7828(22)	-0.0316	20	V

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
V790 Cep	s	56257.6999(11)	+0.0190	40	V
V796 Cep	p	56202.8658(4)	-0.0033	29	V; el: IBVS 6011
V804 Cep	p	56203.9039(3)	-0.0003	50	V
V805 Cep	p	56232.8985(2)	+0.0159	51	V
GSC 3965-1172 Cep	p	56215.7601(9)	-0.0439	48	V; el: OEJV 83
GSC 3996-1098 Cep	p	56225.6628(5)	-0.0083	37	V; el: 53965.3635+0.352018×E
GSC 4286-49 Cep	s	56226.6597(6)	-0.0474	44	V; el: IBVS 5570
GSC 4477-706 Cep	p	56232.7471(9)	+0.0039	40	V; el: OEJV 83
GSC 4481-1535 Cep	p	56226.6656(6)	-0.0228	44	V; el: OEJV 83
GSC 4482-1238 Cep	s	56232.6397(4)	+0.0219	33	V; el: OEJV 91
GSC 4487-347 Cep	p	56251.7536(6)	-0.0034	40	V; el: IBVS 6020; non-circular
GSC 4488-376 Cep	p	56228.6183(4)	-0.0182	26	V; el: OEJV 83
GSC 4490-777 Cep	s	56233.7203(4)	-0.0005	48	V; el: 51532.589+1.698079×E
SS Cet	p	56226.833(5)	+0.047	38	V
TV Cet	s	56282.6777(7)	-0.0552	42	V; d=0.034d; non-circular
HM Cet	p	56205.9229(4)	-0.0058	39	V; el: IBVS 5960
HS Cet	p	56215.9058(4)	+0.0043	44	V; el: 54292.901+3.69098×E
GSC 44-1314 Cet	p	56205.8863(3)	+0.0023	39	V; el: IBVS 5960
GSC 49-120 Cet	p	56210.8716(2)	-0.0332	49	V; el: IBVS 6011; d=0.036d
GSC 54-373 Cet	s	56214.8777(7)	+0.0065	36	V; el: IBVS 5960; d=0.073d
GSC 4698-855 Cet	p	56210.8904(3)	+0.0127	48	V; el: IBVS 6011
GSC 4708-841 Cet	s	56226.8893(5)	-0.0140	38	V; el: IBVS 5960
GSC 5268-1013 Cet	s	56258.6955(7)	-0.0087	29	V; el: IBVS 5960
GSC 5270-645 Cet	p	56258.6677(6)	-0.0035	39	V; el: OEJV 116
GSC 5284-2130 Cet	s	56205.8612(4)	-0.0020	36	V; el: IBVS 6011
DK Cyg	p	56218.6994(3)	+0.0965	18	V
LO Cyg	p	56203.7214(12)	-0.0370	50	V
V387 Cyg	p	56205.6746(3)	+0.0203	47	V
V525 Cyg	p	56205.6783(2)	-0.0304	47	V; d=0.032d
V616 Cyg	p	56214.6951(3)	-0.3328	43	V; d=0.030d
V628 Cyg	s	56214.7247(3)	-0.0050	43	V; el: IBVS 4381
V680 Cyg	p	56220.7049(4)	+0.0676	40	V
V704 Cyg	p	56203.6814(4)	+0.0323	50	V
V706 Cyg	s	56219.6872(5)	-0.0557	46	V
V711 Cyg	p	56220.6533(6)	-0.0355	40	V; el: IBVS 5741
V836 Cyg	p	56215.6944(4)	+0.0194	48	V
V1815 Cyg	s	56223.6539(4)	+0.0037	27	V; el: BAV Rb. 55, 1
GSC 536-9 Equ	p	56205.6894(3)	-0.0045	47	V; el: IBVS 6011
GSC 537-1462 Equ	p	56215.6555(4)	+0.0109	48	V; el: IBVS 6011; d=0.022d
RU Eri	p	56227.8738(5)	-0.0324	32	V
TZ Eri	p	56231.9311(3)	-0.0141	49	V; el: IBVS 6011; d=0.048d
UX Eri	p	56226.8886(5)	+0.0215	38	V; el: IBVS 5960
YY Eri	p	56231.9373(5)	-0.0033	19	V; el: IBVS 5960
AM Eri	p	56231.9102(3)	-0.0040	49	V; el: Krakow Catalog
BC Eri	p	56237.9268(4)	+0.0054	43	V; el: IBVS 5960; d=0.026d
BL Eri	p	56231.9565(2)	+0.0221	47	V; el: IBVS 6011; d=0.018d
KZ Eri	p	56282.6398(4)	-0.0073	28	V; el: IBVS 6011; d=0.025d
GSC 4703-84 Eri	p	56215.8764(4)	+0.0083	41	V; el: 54866.544+2.570141×E; d=0.035d
GSC 4732-1231 Eri	p	56231.9265(2)	-0.0014	49	V; el: IBVS 5960
GSC 4739-480 Eri	p	56237.8511(3)	+0.0049	47	V; el: IBVS 6029
GSC 5294-1116 Eri	s	56226.8841(2)	+0.0019	37	V; el: IBVS 5960
GSC 5303-939 Eri	s	56227.8773(3)	-0.0051	38	V; el: IBVS 5960
GSC 5322-2251 Eri	p	56245.9000(2)	+0.0133	43	V; el: IBVS 5960; d=0.019d
GSC 5323-652 Eri	s	56239.8918(5)	+0.0098	52	V; el: IBVS 5992
GSC 5330-664 Eri	s	56238.8162(6)	+0.0034	17	V; el: IBVS 6029
	p	56238.9278(5)	+0.0002	30	V
LO Gem	p	56255.9201(4)	+0.0148	38	V; el: IBVS 5020
MU Gem	s	56279.837(3)	+0.020	37	V
V410 Gem	s	56245.9220(8)	+0.0207	42	V; el: IBVS 6029; non-circular
GSC 1351-383 Gem	p	56282.8892(3)	+0.0078	40	V; el: IBVS 6029; d=0.037d

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
GSC 1368-1411 Gem	p	56282.8734(2)	-0.0008	33	V; el: IBVS 5871; d=0.023d
GSC 1864-1065 Gem	s	56265.8572(4)	-0.0103	23	V; el: IBVS 5960
A J065830+1311.5 Gem	p	56279.8742(3)	-0.0492	38	V; el: 54856.3476+0.330296×E
RW Lac	p	56214.7328(3)	+0.0618	42	V; el: IBVS 5682; non-circular
TZ Lac	p	56223.6518(6)	+0.3701	26	V
VY Lac	p	56225.7451(3)	+0.0005	37	V; el: MitVS 10, 55
CO Lac	p	56203.7095(2)	-0.0018	50	V; non-circular
	s	56230.6957(2)	-0.0043	52	V
EM Lac	s	56227.6794(2)	+0.0939	38	V
FL Lac	p	56230.7007(5)	-0.0430	51	V; d=0.033d
GX Lac	s	56231.7110(10)	-0.0436	46	V
MZ Lac	p	56231.7105(4)	-0.0052	46	V; el: JAAVSO 19, 12; non-circular
V364 Lac	s	56214.6902(4)	+0.1532	42	V; non-circular
GSC 3208-2644 Lac	p	56228.6896(10)	+0.0223	22	V; el: IBVS 5998
GSC 3210-1456 Lac	s	56223.6278(4)	-0.0030	27	V; el: 55095.3968+0.372293×E
Z Lep	p	56238.8836(3)	+0.0617	45	V; el: JAAVSO 21, 111
RR Lep	p	56238.8796(3)	-0.0388	46	V
GSC 5916-1668 Lep	s	56254.8596(5)	+0.0096	36	V; el: IBVS 5992
NSV 2698 Lep	p	56265.8354(5)	+0.0038	23	V; el: IBVS 5894
CL Lyn	p	56290.8795(13)	+0.0022	20	V; el: 48500.18+1.586054×E
DY Lyn	p	56282.8914(16)	+0.0069	18	V; el: IBVS 5894
RU Mon	s	56251.8685(31)	-0.5977	23	V; non-circular
	p	56282.8397(4)	-0.0970	38	V
UV Mon	s	56279.946(4)	+0.010	37	V; el: Krakow Catalog; unique light curve
BP Mon	p	56279.8541(3)	-0.0823	36	V; el: 54111.772+2.057082×E
GG Mon	p	56279.8908(2)	-0.0068	37	V; el: Krajau Catalog
V383 Mon	p	56273.8634(6)	-0.0302	37	V
V464 Mon	p	56273.9068(5)	+0.0101	37	V; el: Krakow Catalog
V530 Mon	s	56273.8469(5)	+0.0112	38	V; el: IBVS 5992
V843 Mon	s	56279.8642(3)	+0.0123	38	V; el: Krakow Catalog
V873 Mon	s	56257.8802(2)	+0.0428	50	V; el: 54761.825+3.1966076×E
V900 Mon	p	56257.8920(2)	+0.0088	50	V; el: IBVS 5992
V925 Mon	p	56246.8787(19)	+0.0223	37	V; el: IBVS 6029; non-circular
GSC 174-675 Mon	s	56279.8521(5)	+0.0038	37	V; el: 53818.583+0.262409×E
GSC 4785-147 Mon	p	56257.9289(2)	+0.0265	49	V; el: IBVS 5992
GSC 4827-2862 Mon	p	56273.9018(3)	-0.0056	37	V; el: IBVS 5992
DZ Ori	p	56257.8432(4)	+0.0066	50	V; el: Krakow Catalog
EF Ori	s	56255.8945(9)	+0.0051	38	V; el: IBVS 5699
EH Ori	p	56255.8685(3)	+0.0135	38	V; el: 53414.658+1.5136905×E; d=0.019d
EQ Ori	p	56237.9499(2)	-0.0406	47	V
ER Ori	s	56239.9165(4)	+0.1071	52	V
EW Ori	p	56254.9519(5)	-0.0081	45	V; el: IBVS 6029; non-circular
FK Ori	p	56245.8087(16)	-0.0482	42	V
GG Ori	s	56245.8479(1)	-0.4339	26	V; non-circular
GU Ori	p	56256.9186(3)	+0.0024	49	V; el: ASAS; d=0.025d
V392 Ori	p	56256.9435(2)	+0.0312	49	V; el: PAS Japan 54, 139
V645 Ori	p	56255.9328(4)	+0.0115	38	V; el: 54140.693+1.0404468×E
V1027 Ori	p	56232.9108(3)	+0.0431	50	V; el: IBVS 6011; non-circular
V1353 Ori	s	56245.8835(4)	-0.0044	42	V; el: IBVS 5313
V1626 Ori	p	56255.9151(3)	-0.0057	38	V; el: IBVS 5339
V1642 Ori	p	56254.9031(2)	-0.0061	44	V; el: 53268.857+3.037693×E
V1799 Ori	p	56237.9093(2)	+0.0064	47	V; el: IBVS 5960
V1848 Ori	s	56238.9099(2)	-0.0008	47	V
V1851 Ori	s	56246.8793(4)	+0.0154	38	V
GSC 85-1357 Ori	p	56245.8774(4)	+0.0269	43	V; el: 53804.538+0.2839726×E
GSC 89-1424 Ori	p	56239.9112(4)	+0.0199	52	V; el: IBVS 5960; d=0.037d
GSC 93-668 Ori	s	56237.8965(2)	-0.0058	47	V; el: IBVS 5960
GSC 103-738 Ori	p	56238.8603(2)	+0.0006	47	V; el: IBVS 5960
GSC 103-894 Ori	s	56246.9167(4)	-0.0067	42	V; el: IBVS 5960
GSC 111-1902 Ori	p	56239.8877(4)	+0.0020	46	V; el: IBVS 5960

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
GSC 122-419 Ori	p	56254.9137(3)	-0.0031	44	V; el: IBVS 5945
GSC 128-980 Ori	p	56265.8509(4)	-0.0041	24	V; el: IBVS 5960
GSC 4780-344 Ori	p	56265.8630(6)	-0.0019	23	V; el: IBVS 5960; d=0.016d
GSC 709-1047 Ori	s	56254.9233(4)	-0.0037	44	V; el: IBVS 5960
GSC 730-243 Ori	p	56256.9089(4)	+0.0029	49	V; el: IBVS 5960
GSC 730-2307 Ori	p	56256.8691(2)	-0.0378	49	V; el: IBVS 5960
GSC 1315-1104 Ori	p	56257.8596(4)	+0.0003	50	V; el: IBVS 5960
GSC 4741-1062 Ori	p	56237.9417(5)	-0.0025	44	V; el: 53806.546+2.448538×E
GSC 4754-44 Ori	p	56239.8962(2)	+0.0092	52	V; el: IBVS 5992; d=0.012d
GSC 4754-339 Ori	p	56246.8914(3)	+0.0016	42	V; el: IBVS 5992
GSC 4766-69 Ori	p	56254.8717(4)	+0.0070	44	V; el: IBVS 5960
GSC 4783-2332 Ori	p	56256.8764(4)	-0.0022	49	V; el: IBVS 5960
NSV 1864 Ori	s	56238.9063(3)	+0.0058	46	V; el: IBVS 6029; d=0.052d
ZZ Peg	p	56231.6857(3)	+0.1419	45	V; d=0.041d
BQ Peg	p	56220.7091(4)	+0.2528	42	V; d=0.030d
BX Peg	p	56214.6638(4)	-0.0083	43	V; el: IBVS 5668; d=0.020d
	p	56219.7116(3)	-0.0080	46	V
BY Peg	s	56203.6711(4)	-0.0261	50	V; d=0.025d
CC Peg	p	56220.6898(3)	-0.0133	42	V; el: IBVS 5960; d=0.045:d
CF Peg	s	56218.6962(5)	-0.0005	17	V; el: Krakow Catalog
DK Peg	p	56246.7005(3)	+0.1271	48	V; d=0.048d
DM Peg	p	56245.7068(4)	+0.0715	47	V
DV Peg	p	56215.6612(4)	-0.0090	48	V; el: IBVS 6011
EU Peg	p	56232.6571(3)	+0.0386	40	V
FL Peg	s	56203.6520(6)	-0.0187	22	V
GP Peg	p	56226.6952(3)	-0.0506	44	V
KW Peg	p	56219.7187(4)	-0.0018	42	V; el: Krakow Catalog
V407 Peg	p	56238.7230(6)	-0.0288	35	V
V411 Peg	p	56203.7118(5)	-0.0194	47	V; formerly BM Vul
V421 Peg	s	56258.6253(14)	-0.0079	22	V
A212654+1912.6 Peg	p	56215.6181(4)		25	V
	s	56215.789(4)		20	V
A215503+2417.8 Peg	s	56218.6936(7)	+0.0282	17	V; el: IBVS 6011
GSC 570-73 Peg	s	56228.6662(4)	+0.0012	24	V; el: IBVS 6011
GSC 573-1241 Peg	s	56228.6471(3)	-0.0034	27	V; el: IBVS 5920
GSC 1158-201 Peg	p	56230.6586(2)	+0.0044	49	V; el: 52910.692+1.242966×E; d=0.033d
GSC 1174-344 Peg	s	56239.6954(5)	+0.0142	35	V; el: IBVS 5920; d=0.036d
GSC 1178-1208 Peg	p	56251.7340(5)	+0.0064	33	V; el: IBVS 5920
GSC 1664-110 Peg	p	56203.6702(2)	+0.0111	49	V; el: 55079.738+0.282961×E
GSC 1677-992 Peg	s	56220.7042(4)	+0.0153	40	V; el: IBVS 6011; d=0.058:d
GSC 1686-1001 Peg	p	56228.7223(2)	+0.0002	27	V; el: IBVS 5920
GSC 1704-356 Peg	p	56230.6573(3)	+0.0066	52	V; el: IBVS 6011
GSC 1709-614 Peg	s	56230.719382)	+0.0038	43	V; el: IBVS 6011
GSC 1715-1370 Peg	p	56233.6504(3)	+0.0045	49	V; el: IBVS 5920
GSC 1716-1457 Peg	p	56233.6879(3)	+0.0195	49	V; el: IBVS 5920; d=0.022d
GSC 1718-1664 Peg	s	56233.6416(3)	-0.0089	28	V; el: IBVS 5920
	p	56233.7695(5)	-0.0100	21	V; d=0.011d
GSC 1721-1591 Peg	p	56238.7047(3)	-0.0186	38	V; el: 54307.796+0.318898×E
GSC 2188-568 Peg	p	56219.6773(2)	-0.0303	33	V; el: IBVS 5960
GSC 2189-1101 Peg	s	56218.7262(13)	+0.0021	17	V; el: IBVS 5960
	s	56219.6833(2)	+0.0000	12	V
GSC 2223-87 Peg	p	56228.6789(2)	-0.0109	27	V; el: IBVS 5920
GSC 2740-1859 Peg	p	56225.6626(3)	+0.0025	37	V; el: IBVS 6011
GSC 2744-1229 Peg	s	56227.7171(4)	+0.0254	34	V; el: PZP 11, 1
GSC 2749-2238 Peg	p	56227.7475(6)	+0.0541	37	V; el: OEJV 83
GSC 2755-2136 Peg	p	56225.7059(3)	+0.0231	36	V; el: IBVS 83
GSC 2766-775 Peg	s	56239.7130(4)	+0.0030	31	V; el: 53254.588+0.375747×E; d=0.035:d
BE Per	p	56233.9018(5)	+0.0363	44	V; el: MVS 11, 38
BY Per	p	56273.6476(3)	+0.0231	53	V
CH Per	p	56261.6898(3)	-0.0772	48	V

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
DK Per	p	56203.8404(4)	-0.0430	50	V; el: IBVS 3875
FW Per	p	56232.8612(4)	-0.0373	50	V
IM Per	p	56227.9232(6)	+0.1032	27	V; non-circular
IT Per	p	56210.8556(5)	-0.0216	48	V
IU Per	p	56279.6932(3)	+0.0088	47	V
KL Per	p	56203.8859(2)	+0.1361	50	V; d=0.037d
KN Per	p	56233.8798(3)	+0.0088	44	V; el: Krakow Catalog, d=0.054d
NO Per	s	56202.960:(10)	-0.624	46	V; d>= 0.12d; non-circular
	p	56257.8376(8)	+0.1792	49	V; el: IBVS 6029
QT Per	p	56226.8816(4)	-0.0441	38	V; MVS 11, 65
QW Per	p	56233.8496(5)	+0.0078	45	V
V434 Per	p	56233.9215(5)	-0.0590	44	V
V450 Per	p	56215.9226(5)	+0.1184	45	V
V482 Per	p	56232.9677(6)	+0.2610	50	V; el: BAV Mit. 68, 21
V680 Per	s	56214.9626(3)	+0.0073	36	V; el: IBVS 5960
V723 Per	p	56202.9342(14)	+0.0305	47	V; el: IBVS 6011
V737 Per	p	56233.9545(4)	-0.0005	43	V; el: Krakow Catalog
V761 Per	p	56205.978(3)	+0.129	38	V; GSC 3698-3021
V789 Per	p	56214.8494(2)	+0.0931	36	V
V871 Per	s	56233.8950(3)	+0.1912	45	V; el: IBVS 5920; non-circular
V873 Per	p	56215.8368(4)	-0.0144	28	V
	s	56215.9849(12)	-0.013	12	V
V876 Per	s:	56226.8638(4)	+0.0137	38	V
V877 Per	p	56220.8373(19)	+0.0000	8	V; el: 53341.17+1.11098275×E
	p	56279.7233(4)	+0.0039	47	V
GSC 2344-92 Per	s	56227.9086(6)	+0.0446	38	V; el: PZP 11, 1
GSC 2361-2410 Per	s	56273.7191(2)	-0.0002	52	V; el: 55866.838+0.318249×E
GSC 2854-125 Per	p	56215.9328(25)		44	V
Y Psc	p	56239.6278(3)	-0.0130	35	V
VZ Psc	p	56231.6784(3)	+0.0107	45	V; el: ApJS 58, 413
EX Psc	p	56257.6600(2)	-0.0220	40	V; d=0.021d
GSC 14-479 Psc	s	56258.6587(4)	+0.0270	40	V; el: 54103.545+0.394091×E
GSC 24-466 Psc	s	56265.6660(3)	-0.0180	48	V; el: IBVS 6011; d=0.026d
GSC 575-429 Psc	p	56231.6721(8)	-0.0004	15	V; el: IBVS 5920
	s	56231.7870(10)	-0.0027	11	V
GSC 621-834 Psc	s	56265.6886(3)	+0.0118	48	V; el: IBVS 5920
GSC 1179-501 Psc	p	56257.6724(5)	+0.0242	40	V; el: IBVS 5960
GSC 1183-1110 Psc	p	56259.6614(7)	-0.0061	24	V; el: 54760.697+0.649186×E
GSC 1762-103 Psc	s	56265.6853(2)	-0.0241	48	V; el: IBVS 5960
GSC 5253-982 Psc	s	56239.7227(5)	+0.0065	35	V; el: 53615.898+0.521582×E; d=0.043d
GSC 5255-370 Psc	s	56239.6355(2)	+0.0089	36	V; el: IBVS 6011
UZ Pup	p	56282.8974(5)	-0.0113	36	V
AV Pup	p	56290.8767(15)	+0.0043	18	V; el: IBVS 5992
GSC 5404-4206 Pup	p	56282.8568(4)	-0.0086	33	V; el: IBVS 5894
GSC 5424-55 Pup	p	56282.9049(6)	-0.0029	32	V; el: IBVS 5992
AH Tau	s	56282.6621(4)	+0.0207	50	V; el: IBVS 5554; d=0.016d
AQ Tau	p	56245.9207(10)	-0.1055	43	V
EQ Tau	s	56290.6423(3)	-0.0254	41	V; d=0.017d
V1249 Tau	s	56215.9410(4)	-0.0078	44	V; non-circular
	p	56237.9234(2)	-0.0079	36	V
V1260 Tau	s	56239.9422(9)	+0.3332	52	V; non-circular
V1352 Tau	p	56257.9032(11)	-0.0258	50	V; el: IBVS 6011; d=0.115d; non-circular
V1355 Tau	s	56245.9238(6)	-0.0350	22	V
V1356 Tau	s	56238.799(4)	+0.785	47	V; el: Krakow Catalog; non-circular
GSC 67-348 Tau	p	56282.6899(3)	+0.0093	48	V; el: IBVS 5920
GSC 74-465 Tau	s	56231.8923(4)	-0.0073	49	V; el: IBVS 5960; d=0.020d
GSC 76-527 Tau	s	56231.8865(3)	+0.0027	50	V; el: IBVS 5945
GSC 650-1226 Tau	s	56227.9428(3)	+0.0195	38	V; el: IBVS 5945
GSC 658-185 Tau	p	56290.7072(3)	+0.0089	41	V; el: IBVS 5920; asymmetric light curve
GSC 661-580 Tau	s	56282.6371(5)	-0.0022	27	V; el: IBVS 5945

Table 1: Minima of eclipsing binaries (continued)

Variable	Type	HJD 24. . .	$O - C$	n	Remarks
GSC 663-23 Tau	s	56282.6782(9)	-0.0035	50	V; el: IBVS 5920; d=0.047d
GSC 1235-663 Tau	p	56290.6815(4)	-0.0026	41	V; el: IBVS 5992; d=0.022d
GSC 1256-188 Tau	p	56227.8921(5)	+0.0136	36	V; el: IBVS 5920; d=0.025d
GSC 1291-1139 Tau	p	56239.8626(3)	-0.0161	53	V; el: IBVS 5992; d=0.039d
GSC 1304-227 Tau	s	56254.9299(1)	+0.0021	45	V; el: IBVS 5960
GSC 2258-1489 Tau	s:	56243.6613(12)		18	V
RW Tri	p	56279.6872(2)	-0.0037	47	V
VW Tri	p	56205.8516(5)	-0.0345	39	V; el: MVS 11, 1
VZ Tri	p	56273.7018(1)	-0.0111	52	V; el: OEJV 107; d=0.022d
BF Tri	s:	56265.6859(4)	-0.0527	48	V
CC Tri	s	56279.7398(6)	-0.0933	47	V
CM Tri	p:	56210.8790(3)	-0.0610	49	V
CR Tri	p:	56210.8999(4)	-0.0116	41	V
BG Vul	s	56205.6710(5)	-0.1598	19	V; asymmetric; d=0.034d
BI Vul	p	56205.6532(6)	+0.0077	13	V; el: IBVS 6011
	s	56205.7826(5)	+0.0112	8	V
V384 Vul	s	56215.6261(5)	+0.0022	48	V
GSC 2177-709 Vul	p	56205.6873(5)	+0.0032	47	V; el: IBVS 6011

n: number of measurements incorporated in the determination of the minimum time.

d: Time spent by star in totality at minimum.

D: total duration of the eclipse.

A: ASAS ; U: UCAC3

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