

COMMISSIONS G1 AND G4 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Volume 63 Number 6209 DOI: 10.22444/IBVS.6209

Konkoly Observatory
Budapest

23 May 2017

HU ISSN 0374 – 0676

TIMES OF MINIMA OF SOME ECLIPSING BINARIES

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Observatory and telescope:

14" Schmidt-Cassegrain telescope of the Ankara University Kreiken Observatory

Detector:

Apogee ALTA U47+ CCD camera. 1024 x 1024 pixels.

Method of data reduction:Reduction of the CCD frames and differential photometry were performed with the standard tasks of IRAF¹ package**Method of minimum determination:**

The minima times of eclipsing binaries were calculated using Kwee & van Woerden's (1956) method.

[†]Based on the observations performed at Ankara University Kreiken Observatory

¹IRAF is distributed by the National Optical Astronomical Observatories, operated by the Association of the Universities for Research in Astronomy, inc., under cooperative agreement with the National Science Foundation

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
AB And	57205.43594	0.00005	II	<i>R</i>	MY
AD And	57685.40230	0.00010	I	<i>VRI</i>	OK
CN And	57693.32582	0.00011	II	<i>VRI</i>	FT
LO And	57676.34309	0.00010	II	<i>VRI</i>	OY
BF Aur	57354.33181	0.00032	II	<i>BVRI</i>	SU, ST
IM Aur	57316.49553	0.00006	I	<i>BVRI</i>	HVS
SS Ari	57618.47954	0.00013	I	<i>BVRI</i>	DO
TY Boo	57552.35813	0.00004	I	<i>BVRI</i>	EME
AQ Boo	57084.35677	0.00039	I	<i>BVRI</i>	AO
EF Boo	57565.34457	0.00006	I	<i>BVRI</i>	EY
GR Boo	57519.49783	0.00015	II	<i>BVR</i>	DDI, BA
TX Cnc	57427.36069	0.00006	I	<i>BVRI</i>	FM, GG
BI CVn	57136.53486	0.00012	II	<i>BVRI</i>	MBD
	57137.49497	0.00008	I	<i>BVRI</i>	EB
DF CVn	57107.47573	0.00006	I	<i>BVRI</i>	SC
GM CVn	57115.49932	0.00008	II	<i>BVRI</i>	TA
V445 Cas	57676.43290	0.00010	I	<i>R</i>	ZA
V523 Cas	57715.24015	0.00004	I	<i>BVRI</i>	SOS
SU Cep	57546.39957	0.00019	I	<i>BVRI</i>	TK
RW Com	57084.26725	0.00012	I	<i>BVRI</i>	HC, PT
RZ Com	57130.29145	0.00005	II	<i>R</i>	YK
	57200.36261	0.00014	II	<i>R</i>	MHT
CC Com	57115.41505	0.00007	I	<i>BVRI</i>	OBR
TW CrB	57091.56687	0.00005	I	<i>R</i>	ES
AW CrB	57556.40438	0.00010	I	<i>BVRI</i>	CTT
CG Cyg	57600.48063	0.00010	II	<i>VRI</i>	ED
V382 Cyg	57556.48570	0.00025	II	<i>BVRI</i>	HD
HL Dra	57509.52496	0.00013	I	<i>BVRI</i>	HKA
DM Del	57595.43717	0.00008	I	<i>VRI</i>	IC
RZ Dra	57581.48322	0.00007	I	<i>VRC</i>	MNB
V345 Gem	57696.52207	0.00019	I	<i>BVRI</i>	ME
SZ Her	57164.35186	0.00003	I	<i>R</i>	BSA
SW Lac	57618.36841	0.00006	II	<i>BVRI</i>	MYN
	57676.26014	0.00004	I	<i>BVRI</i>	MU
AW Lac	57233.37074	0.00026	I	<i>BVRI</i>	BS, SL
SW Lyn	57715.59651	0.00027	II	<i>BVRI</i>	YE
FI Lyn	57448.34290	0.00005	I	<i>BVRI</i>	OT
V868 Mon	57031.54513	0.00010	II	<i>BVRI</i>	SO
	57087.34725	0.00007	I	<i>BVRI</i>	DG
UX Peg	57677.30173	0.00018	I	<i>VRI</i>	MB
BX Peg	57214.49830	0.00009	I	<i>BVRI</i>	MD
	57602.45522	0.00008	II	<i>VR</i>	ZNA
DI Peg	57267.48225	0.00006	I	<i>BVRI</i>	IO
IU Per	57427.24633	0.00013	I	<i>BVRI</i>	KC
	57672.35866	0.00011	I	<i>VRI</i>	MO
KW Per	57643.46847	0.00004	I	<i>VRI</i>	MK, US
DZ Psc	57720.25992	0.00010	II	<i>R</i>	SB
DK Sge	57211.41677	0.00013	I	<i>BVRI</i>	MTY
	57287.27934	0.00021	I	<i>R</i>	BR
RZ Tau	57715.49654	0.00005	I	<i>BVRI</i>	BB
AH Tau	57715.31396	0.00007	I	<i>BVRI</i>	AUU
GR Tau	57696.45224	0.00017	I	<i>VRI</i>	BK
HH UMa	57526.35810	0.00035	II	<i>VRI</i>	ZFY
AX Vir	57134.52523	0.00029	II	<i>BVRI</i>	YN
	57140.49666	0.00011	I	<i>BVRI</i>	DOR
	57485.43767	0.00005	I	<i>BVRI</i>	SCN
NN Vir	57564.34965	0.00015	I	<i>BVRI</i>	OB
AW Vul	57564.46965	0.00004	I	<i>BVRI</i>	OV
BE Vul	57227.42021	0.00008	I	<i>BVRI</i>	NS
TYC 1174-344-1	57316.24981	0.00026	I	<i>BVRI</i>	MA

Explanation of the remarks in the table:			
Observers:			
AUU:	A. Ulus Uludağ	MK:	Merve Keskin
AO:	Amr Özkeleş	MY:	Mesut Yılmaz
BR:	Bahire Reçber	MTY:	Muhammed T. Yıldız
BSA:	Berhan S. Azizoglu	ME:	Murat Esendemir
BB:	Bükem Belen	MU:	Murat Uzundağ
BK:	Burak Keten	MYN:	Murat Yazgan
BS:	Buse Sayar	MHT:	M. Hayri Türkyılmaz
BA:	Büşra Akerdem	NS:	Nebahat Sürüoğlu
CTT:	C. Tuğrul Tezcan	OK:	Oğuzhan Karadeniz
DG:	Damla Gümüş	OT:	Okay Tercan
DO:	Derya Öztürk	OBR:	Ömer Bayraktar
DDI:	D. Dilan İzci	OY:	Onur Yörükoğlu
DOR:	Doğuş Özuyar	OV:	Özge Varol
EME:	E. Murat Esmer	OB:	Özgür Baştürk
EY:	Emincan Yıldız	US:	Uğur Şenaslan
ED:	Emre Demirbağ	PT:	Pınar Tunç
EB:	Engin Bahar	SL:	Seher Lal
ES:	Ezgi Sertkan	SU:	Sefacan Uzun
FM:	Fatih Mazlum	SB:	Selda Başar
FT:	Furkan Tomak	SOS:	Selim O. Selam
GG:	Gamze Gök	SO:	Sercan Öz
HVS:	H. Volkan Şenavcı	SC:	Şeyma Çalışkan
HC:	Hediye Çelik	ST:	Sibel Taş
HD:	Hüseyin Deniz	SCN:	Şule Çeken
IO:	İbrahim Özavcı	TA:	Tarık Akkaya
IC:	Işıl Çetinkaya	TK:	Tolgahan Kılıçoğlu
KC:	Kadem Çelik	YE:	Yağız Eraslan
HKA:	H. Kübra Aygören	YN:	Yahya Nasolo
MNB:	M. Naim Bağırın	YK:	Yasemin Karademirci
MA:	Melisa Alçakır	ZA:	Zeynep Avcı
MB:	Meltem Baydar	ZFY:	Z. Fatma Yıldırım
MO:	Mert Özküm	ZNA:	Z. Nur Acar
MD:	Merve Dağgün		

Acknowledgements:

We would like to thank all the observers and the staff at the Ankara University Kreiken Observatory. Authors from Ankara University acknowledge the support by the research fund of Ankara University (BAP) through the project 15A0759001.

Reference:

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