

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 6158

Konkoly Observatory
Budapest
22 January 2016

HU ISSN 0374 – 0676

106 MINIMA TIMINGS OF ECLIPSING BINARIES

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Observatory and telescope:	
T1: 0.4m, f/8 Cassegrain telescope, located at the University of Athens Observatory, at Zografos, Athens, Greece	
T2: 1.2m, f/13 Cassegrain telescope of the National Observatory of Athens, located at the Kryoneri Astronomical Station, at Korinth, Greece.	

Detector:	C1: ST-10XME CCD camera, KAF-3200ME chip, $16' \times 11'$ and $25' \times 17'$ (using an f/6.3 focal reducer) field of view (FoV) with T1, C2: ST-8XMEI CCD camera, KAF-1603ME chip, $15' \times 10'$ FoV with T1, C3: ST-8 CCD camera, KAF-1600 chip, $15' \times 10'$ FoV with T1, C4: Photometrics CH250 CCD camera, SI502 chip, $2.5' \times 2.5'$ FoV with T2. All CCDs have a Peltier-type cooling system and are equipped with a set of UBVR filters (Bessell specifications).
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Method of data reduction:	
Differential photometry	

Method of minimum determination:	
Kwee & van Woerden (1956).	

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
HS Aqr	56527.4507	0.0006	I	BVRI	T1+C1
	56528.5181	0.0007	II	BVRI	T1+C1
	56533.4893	0.0006	II	BVRI	T1+C1
	56535.2661	0.0006	I	BVRI	T1+C1
	56537.3963	0.0003	I	BVRI	T1+C1
	56538.4605	0.0005	II	BVRI	T1+C1
	56541.3082	0.0007	II	BVRI	T1+C1
	56542.3688	0.0003	I	BVRI	T1+C1
	56543.4338	0.0005	II	BVRI	T1+C1

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
HV Aqr	52534.2955	0.0006	I	BVRI	T1+C3
	52534.4824	0.0004	II	BVRI	T1+C3
	52535.4188	0.0003	I	BVRI	T1+C3
	52537.2909	0.0004	I	BVRI	T1+C3
V417 Aql	52469.37720	0.0005	I	BVRI	T2+C4
	52469.56290	0.0001	II	BVRI	T2+C4
	52470.48820	0.0005	I	BVRI	T2+C4
AH Aur	52978.4309	0.0011	I	VRI	T1+C3
	52992.5153	0.0002	II	VRI	T1+C3
	53113.3245	0.0011	I	VRI	T1+C3
VZ CVn	56437.4781	0.0002	I	BVRI	T1+C1
	56440.4260	0.0003	II	BVRI	T1+C1
	56443.3762	0.0003	I	BVRI	T1+C1
	56453.4858	0.0004	I	BVRI	T1+C1
	56459.3827	0.0001	I	BVRI	T1+C1
V387 Cyg	53138.4923	0.0001	I	BVRI	T1+C3
	53186.5372	0.0001	I	BVRI	T1+C3
	53187.4939	0.0003	II	BVRI	T1+C3
V401 Cyg	53532.3419	0.0003	I	BI	T2+C4
	53533.5079	0.0003	I	BVRI	T2+C4
	53534.3829	0.0001	II	BVRI	T2+C4
EF Dra	56564.2482	0.0006	I	BVRI	T1+C1
	56565.3049	0.0003	II	BVRI	T1+C1
	56567.4235	0.0006	II	BVRI	T1+C1
	56572.3018	0.0003	I	BVRI	T1+C1
	56576.3312	0.0003	II	BVRI	T1+C1
WX Eri	56577.3884	0.0006	I	BVRI	T1+C1
	56235.4376	0.0005	II	BVRI	T1+C1
GSC 00104-00634	56242.4342	0.0001	I	BVRI	T1+C1
	56680.4139	0.0007	I	BVRI	T1+C1
V1038 Her	53488.3777	0.0002	II	V	T1+C3
	53488.5131	0.0001	I	V	T1+C3
	53508.3588	0.0002	I	RI	T1+C3
NSV 13431	53508.4913	0.0002	II	RI	T1+C3
	52538.4061	0.0016	II	BVRI	T1+C3
	52539.2880	0.0014	II	BVRI	T1+C3
V839 Oph	53178.4357	0.0020	I	BVRI	T1+C3
	53196.4951	0.0013	II	BVRI	T1+C3
	53153.4211	0.0002	II	BVRI	T1+C3
	53154.4434	0.0001	I	BVRI	T1+C3
	53162.4190	0.0001	II	BVRI	T1+C3
	53166.5094	0.0002	II	BVRI	T1+C3
	53168.5544	0.0002	II	BVRI	T1+C3
V839 Oph	53193.5036	0.0001	II	BVRI	T1+C3
	53194.3217	0.0002	II	BVRI	T1+C3
	53194.5259	0.0002	I	BVRI	T1+C3
	53195.3435	0.0002	I	BVRI	T1+C3
	53195.5488	0.0003	II	BVRI	T1+C3

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
V2357 Oph	53440.5196	0.0005	I	BVRI	T2+C4
	53441.5597	0.0006	II	BVRI	T2+C4
	53442.5965	0.0007	I	BVRI	T2+C4
ET Ori	56266.4598	0.0006	I	BVRI	T1+C1
	56305.4476	0.0005	II	BVRI	T1+C1
	56356.3224	0.0002	I	BVRI	T1+C1
	56357.2731	0.0002	I	BVRI	T1+C1
V1363 Ori	52705.2324	0.0005	I	BVRI	T1+C3
	52695.2984	0.0008	I	BVRI	T1+C3
	53433.2473	0.0010	II	BVRI	T1+C3
	53436.2638	0.0012	II	BVRI	T1+C3
	53447.2824	0.0007	I	BVRI	T1+C3
V351 Peg	53583.5548	0.0003	II	BVRI	T1+C3
	53584.4452	0.0003	I	BVRI	T1+C3
	53586.5209	0.0003	II	BVRI	T1+C3
	53590.3783	0.0004	I	BVRI	T1+C3
IQ Per	53591.5649	0.0003	I	BVRI	T1+C3
	53679.47568	0.00005	I	R	T1+C3
	53685.5207	0.0001	II	R	T1+C3
TY Pup	56714.3402	0.0003	I	BVRI	T1+C1
	56730.3147	0.0005	II	R	T1+C1
	56737.2797	0.0003	I	BVRI	T1+C1
CC Ser	52753.5651	0.0003	I	VRI	T1+C3
	52760.5331	0.0004	II	VRI	T1+C3
GW Tau	51946.2544	0.0002	I	VRI	T1+C3
USNO A2.0 1275-10788218	57155.5391	0.0022	I	VR	T1+C1
	57156.4173	0.0014	I	R	T1+C1
	57156.5635	0.0008	II	R	T1+C1
	57157.4500	0.0023	II	R	T1+C1
USNO A2.0 1275-10794124	57155.5058	0.0011	I	VR	T1+C1
	57156.5043	0.0010	II	VR	T1+C1
	57157.4992	0.0018	I	VR	T1+C1
USNO A2.0 1275-10811543	57155.4843	0.0011	I	VR	T1+C1
	57156.4800	0.0010	II	VR	T1+C1
	57157.4708	0.0011	I	VR	T1+C1
	57158.4621	0.0015	II	VR	T1+C1
	57159.4607	0.0015	I	VR	T1+C1
USNO A2.0 1275-10813091	57155.4190	0.0009	I	VR	T1+C1
	57155.5562	0.0014	II	VR	T1+C1
	57156.3996	0.0011	II	VR	T1+C1
	57156.5447	0.0009	I	VR	T1+C1
	57157.5260	0.0009	II	V	T1+C1
	57157.3925	0.0014	I	VR	T1+C1
	57158.5124	0.0011	I	VR	T1+C1
USNO A2.0 1275-10815489	57159.4876	0.0007	II	R	T1+C1
	57155.5562	0.0014	I	R	T1+C1
	57157.4441	0.0018	I	V	T1+C1

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
2MASS J06260661+2755581	52978.5564	0.0011	I	VRI	T1+C3
	54203.3416	0.0002	I	R	T1+C2

Explanation of the remarks in the table:

T1, T2, C1, C2, C3 and C4 refer to the instrumentation (telescope and CCD camera) used for each case.

Remarks:

The systems GSC 00104-00634, USNO-A2.0 1275-10788218, USNO-A2.0 1275-10794124, USNO-A2.0 1275-10811543, USNO-A2.0 1275-10813091, USNO-A2.0 1275-10815489 are recently discovered eclipsing binaries, announced by Gazeas & Karampotsiou (2015) and Karampotsiou & Gazeas (2015). A large number of the above observations were performed utilizing the robotic and remotely controlled telescope at the University of Athens.

Acknowledgements:

Times of minima of contact binaries presented in this work are by-product of the *W UMa Project* (Papers I - VII) (Kreiner et al. 2003; Baran et al. 2004; Zola et al. 2004; Gazeas et al. 2005; Zola et al. 2005; Gazeas et al. 2006; Zola et al. 2010.), which aims at performing accurate photometric and spectroscopic study of eclipsing binaries of W UMa type. In addition, part of this work is a result of the *Contact Binaries Towards Merging (CoBiToM) Project*, initiated in 2012 and still undergoing at the National and Kapodistrian University of Athens since (PI: K. Gazeas).

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