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NEW TIMES OF MINIMA OF SOME ECLIPSING BINARY STARS

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Observatory and telescope:

30-cm Cassegrain-Schmidt (T30), 40-cm Cassegrain-Schmidt (T40) and 122-cm Cassegrain-Nasmyth (T122) telescopes of the Çanakkale University Observatory.

Detector:

-ST237 camera, Peltier cooling, TC237 chip, 11' × 8' FOV, 640 × 480 pixels, (ST).
-ALTA U47 camera, Peltier cooling, E2V CCD47-10 chip, 15' × 15' FOV, 1024 × 1024 pixels, (ALTA).
-STL1001E camera, Peltier cooling, KAF-1001E chip, 28' × 28' FOV, 1024 × 1024 pixels, (STL).

Method of data reduction:

Reduction of the CCD frames was made with C-MUNIPACK¹ software.

Method of minimum determination:

Kwee – van Woerden method (Kwee & van Woerden, 1956).

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
XZ And	55140.4666	0.0002	I	C	T40-ST
	55187.2939	0.0003	II	C	T40-ST
KO Aql	55079.3683	0.0004	I	C	T40-ST
OO Aql	55018.5154	0.0004	I	C	T40-ST
CL Aur	55154.4182	0.0001	I	C	T40-ST
SX Aur	55173.3918	0.0002	I	C	T40-ST
DO Cas	55104.5485	0.0002	I	C	T40-ST
IV Cas	55070.5110	0.0001	I	C	T40-ST
	55161.3769	0.0001	I	C	T40-ST
RZ Cas	55157.6186	0.0001	I	C	T40-ST
TV Cas	55133.6118	0.0001	I	C	T40-ST
ZZ Cas	55159.4127	0.0002	I	C	T40-ST
RY Cnc	55157.5175	0.0001	I	C	T40-ST
V909 Cyg	55077.3184	0.0002	I	C	T40-ST
BR Cyg	55074.3206	0.0001	I	C	T40-ST
CG Cyg	55105.2521	0.0001	I	C	T40-ST
DK Cyg	55075.3783	0.0003	I	C	T40-ST
GO Cyg	55071.4840	0.0004	I	C	T40-ST

¹Motl, D., 2004, C-MUNIPACK, <http://integral.sci.muni.cz/munipack/>

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
UW Cyg	55091.4404	0.0001	I	C	T40-ST
WW Cyg	55042.5055	0.0002	I	R	T30-ALTA
	55042.5055	0.0002	I	V	T30-ALTA
	55062.4132	0.0002	I	C	T40-ST
WZ Cyg	55079.4924	0.0003	I	C	T40-ST
ZZ Cyg	55071.3670	0.0002	I	C	T40-ST
	55127.3118	0.0002	I	C	T40-ST
TY Del	55105.4205	0.0001	I	C	T40-ST
RR Dra	55160.3391	0.0002	I	C	T40-ST
TZ Eri	55163.4249	0.0002	I	C	T40-ST
AK Her	55018.4482	0.0015	I	C	T40-ST
SZ Her	55091.2964	0.0001	I	C	T40-ST
DG Lac	55088.4013	0.0002	II	R	T122-STL
RW Mon	55133.4676	0.0001	I	C	T40-ST
V501 Oph	55042.3905	0.0003	I	R	T30-ALTA
	55042.3904	0.0003	I	V	T30-ALTA
FH Ori	55123.5334	0.0002	I	C	T40-ST
FL Ori	55157.3903	0.0001	I	C	T40-ST
AT Peg	55070.4057	0.0001	I	C	T40-ST
BG Peg	55077.4601	0.0001	I	C	T40-ST
DI Peg	55044.4620	0.0001	I	R	T30-ALTA
	55044.4620	0.0001	I	V	T30-ALTA
	55116.3557	0.0001	I	C	T40-ST
TY Peg	55133.3197	0.0001	I	C	T40-ST
RT Per	55116.5253	0.0001	I	C	T40-ST
	55163.2421	0.0001	I	C	T40-ST
XZ Per	55105.5329	0.0001	I	C	T40-ST
Z Per	55173.2947	0.0002	I	C	T40-ST
ZX Per	55127.4097	0.0002	I	C	T40-ST
UZ Sge	55114.3830	0.0001	I	C	T40-ST
AC Tau	55154.6017	0.0001	I	C	T40-ST
X Tri	55104.4290	0.0000	I	C	T40-ST
AX Vul	55044.3720	0.0003	I	R	T30-ALTA
	55044.3725	0.0004	I	V	T30-ALTA
BO Vul	55154.2614	0.0000	I	C	T40-ST
AY Vul	55138.3466	0.0001	I	C	T40-ST

Remarks:

We present 54 minima times of 44 eclipsing binaries. In the Remarks column of Times of Minima table, telescopes and detectors used in the observations are given.

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Reference:

Kwee, K. K., & van Woerden, H., 1956, *Bull. Astron. Inst. Neth.*, **12**, 327.

ERRATUM FOR IBVS 5924

ZX Per should be changed as XZ Per.