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NEW TIMES OF MINIMA OF SOME ECLIPSING BINARY STARS

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Observatory and telescope:

30-cm Cassegrain-Schmidt telescope of the Çanakkale University Observatory

Detector:

-ST237 camera, Peltier cooling, TC237 chip, 11' × 8' FOV, 640 × 480 pixels, (ÇUG301).

-ST10XME camera, Peltier cooling, KAF 3200ME chip, 17' × 12' FOV, 2184 × 1472 pixels, (ÇUG302).

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.
SX Aur	54084.3175	0.0007	I	C	ÇUG301
ZZ Aur	54184.2922	0.0002	I	C	ÇUG301
GX Aur	54116.3510	0.0003	I	C	ÇUG301
TU Boo	54211.4025	0.0002	I	C	ÇUG301
TZ Boo	54198.4612	0.0002	I	C	ÇUG301
VW Boo	54201.4855	0.0002	II	C	ÇUG301
BI CVn	54184.4517	0.0008	I	C	ÇUG301
	54211.3464	0.0002	I	C	ÇUG301
XZ CMi	54085.4095	0.0009	I	C	ÇUG301
	54184.3868	0.0003	I	C	ÇUG301

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

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
BS Cas	54074.2906	0.0005	II	C	ÇUG301
V366 Cas	54086.4929	0.0008	I	C	ÇUG301
V389 Cas	54076.5044	0.0008	I	C	ÇUG301
	54161.3283	0.0005	I	C	ÇUG301
V523 Cas	54086.4499	0.0001	I	C	ÇUG301
VW Cep	54076.3909	0.0012	I	C	ÇUG301
WZ Cep	54086.2622	0.0003	II	C	ÇUG301
BE Cep	54086.3805	0.0002	I	C	ÇUG301
EG Cep	54067.4001	0.0003	I	C	ÇUG301
	54213.3582	0.0001	I	C	ÇUG301
GI Cep	54086.3182	0.0003	I	C	ÇUG301
GW Cep	54211.2857	0.0002	II	C	ÇUG301
RW Com	54201.4419	0.0002	I	C	ÇUG301
RZ Com	54201.5286	0.0002	II	C	ÇUG301
CC Com	54198.3907	0.0001	I	C	ÇUG301
	54213.3979	0.0003	I	C	ÇUG301
TW CrB	54213.4330	0.0002	II	C	ÇUG301
YY Eri	54067.4528	0.0002	II	C	ÇUG301
DF Hya	54161.4093	0.0001	I	C	ÇUG301
SW Lac	54067.3324	0.0004	II	C	ÇUG301
UZ Leo	54255.3401	0.0003	I	V	ÇUG302
AP Leo	54211.4842	0.0004	II	C	ÇUG301
FZ Ori	54117.2571	0.0005	I	C	ÇUG301
RZ Tau	54111.3552	0.0002	II	C	ÇUG301
	54138.3745	0.0002	II	C	ÇUG301
EQ Tau	54116.4222	0.0003	I	C	ÇUG301
BM UMa	54211.4417	0.0002	I	C	ÇUG301

Remarks:

We present 37 minima times of 31 eclipsing binaries. In the Remarks column of Times of Minima table, telescopes used in the observations are given.

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Reference:

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