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NEW TIMES OF MINIMA OF SOME ECLIPSING BINARY SYSTEMS

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Observatory and telescope:

50-cm $f/15$ Cassegrain telescope (Pi50),
60/90/180 Schmidt telescope (Pi90),
1m $f/13.3$ RCC telescope (Pi100) of the Konkoly Observatory at Pizskéstető Mountain Station (Hungary) and
40-cm $f/8.9$ Ritchey–Chrétien telescope (E40) of the Department of Astronomy, Eötvös Loránd University (Hungary)

Detector:

uncooled UBV Photometer (Pi50u)
1536 × 1024 Photometrics CCD-camera (Pi90)
1340 × 1300 Princeton Instr. CCD camera (Pi100)
4008 × 2672 SBIG STL-11K CCD Camera (E40)

Method of data reduction:

Reduction of CCD frames was made with a customly developed IRAF[†] package.

Method of minimum determination:

The minima times were computed with parabolic fitting (in case of PV Cas and SV Cam), and Kwee-van Woerden method (Kwee & van Woerden, 1956).

Acknowledgements:

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[†]IRAF 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.
CN And	53991.4618	1	I	<i>C</i>	KP/E40
EP And	54036.4396	1	I	<i>V</i>	Csz/E40
GZ And	54059.3677	1	I	<i>R</i>	KP/E40
V376 And	54018.3694	1	I	<i>V</i>	Csz/E40
FP Aur	54039.5304	2	I	<i>V</i>	Csz/E40
IM Aur	54027.4125	3	II	<i>RI</i>	KP/E40
SV Cam	44635.3717	2	I	<i>BV</i>	PL/Pi50
	44830.4934	2	I	<i>BV</i>	PL/Pi50
	45273.5175	1	I	<i>BV</i>	PL/Pi50
	45645.3749	1	I	<i>BV</i>	PL/Pi50
CW Cas	53989.4045	1	I	<i>C</i>	KP/E40
	54025.4389	5	I	<i>BRI</i>	KP/E40
PV Cas	53351.5484	2	I	<i>BV</i>	KJ/Pi90
	53400.5572	2	I	<i>BVR</i>	KJ/Pi90
	53989.5652	3	II	<i>B</i>	Csz/Pi100
V523 Cas	53985.3774	1	II	<i>C</i>	KP/E40
	54019.3796	1	I	<i>R</i>	Csz/E40
V776 Cas	54039.4274	4	I	<i>V</i>	Csz/E40
CQ Cep	54042.2816	31	I	<i>BVRI</i>	MG/E40
EV Cnc	52244.6052	9	I	<i>V</i>	Csz/Pi100
	52246.6091	9	I	<i>V</i>	Csz/Pi100
	52271.4941	7	I	<i>V</i>	Csz/Pi100
CE Leo	53765.5474	3	II	<i>BVRI</i>	KP/Pi100
	53767.5186	3	II	<i>BVRI</i>	KP/Pi100
	53835.4868	5	I	<i>BVRI</i>	Bor/Pi100
PY Lyr	53990.3345	2	I	<i>C</i>	KP/E40
U Peg	54043.2691	1	I	<i>V</i>	Csz/E40
BB Peg	53986.3485	4	II	<i>BVRI</i>	Csz/Pi100
	53987.4330	3	I	<i>BVRI</i>	Csz/Pi100
	53988.3352	2	I	<i>BVRI</i>	Csz/Pi100
	53988.5175	4	II	<i>BVRI</i>	Csz/Pi100
	53990.3248	2	I	<i>BVRI</i>	Csz/Pi100
	53990.5040	1	II	<i>BVRI</i>	Csz/Pi100
	54037.3178	9	I	<i>V</i>	KP/E40
V432 Per	53992.4620	1	II	<i>V</i>	Csz/Pi100
UV Psc	53990.5121	1	I	<i>C</i>	KP/E40
DZ Psc	53992.4205	3	I	<i>C</i>	KP/E40
AH Tau	54050.42407	8	I	<i>V</i>	Csz/E40
EQ Tau	54026.4781	2	II	<i>RI</i>	Csz/E40
WZ Sge	53654.2757	1	I	<i>V</i>	Csz/Pi100
NO Vul	53251.434	4	I	<i>VRI</i>	Csz/Pi100
	53252.3592	1	II	<i>VRI</i>	Csz/Pi100

Explanation of the remarks in the table:	
Observers:	Bor: Tamás Borkovits Csz: Szilárd Csizmadia KJ: János Kelemen KP: Péter Klagyivik MG: Gábor Marschalkó PL: László Patkós
Filters:	<i>C</i> means a 'clear' filter while <i>BVRI</i> are Johnson–Cousins ones.

Reference:

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