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PHOTOELECTRIC MINIMUM TIMES OF SOME
ECLIPSING BINARY STARS

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Observatory and telescope:

40-cm Cassegrain telescope of the TÜBİTAK National Observatory and 30-cm Mak-
sutov telescope of the Ankara University Observatory.

Detector:

OPTEC SSP-5A photometer containing a side-on R1414
Hamamatsu photomultiplier.

Method of data reduction:

Reduction of the observations were made in the usual way (Hardie 1962).

Method of minimum determination:

Kwee & van Woerden (1956).

Observed star(s):

Star name	GCVS type	Coordinates (J2000)		Comp. star	Ephemeris		Source
		RA	Dec		E 2400000+	P [day]	
BK Peg	EA/D	23 ^h 47 ^m 08 ^s	+26°34'00"	HD 223154	41587.725618	5.48991138	1
U Cep	EA/SD	01 ^h 02 ^m 18 ^s	+81°52'32"	HD 6006	20354.6993	2.4929034	2
EM Cep	EW/KE	21 ^h 53 ^m 48 ^s	+62°36'52"	HD 208440	40134.7326	0.806187	3
CQ Cep	EB/DM/WR	22 ^h 36 ^m 54 ^s	+56°54'21"	HD 214259	50267.43158	1.6412299	4
IU Aur	EB/SD	05 ^h 27 ^m 52 ^s	+34°46'58"	HD 35619	38448.4068	1.811474	5
ER Vul	EW/DW/RS	21 ^h 02 ^m 26 ^s	+27°48'26"	HD 200546	40182.2621	0.69809409	6

Source(s) of the ephemeris:

1.: Demircan et al. (1994); 2.: Kim, C-H. and Han, W. (1996); 3.: Breinhorst and
Karimie (1980); 4.: Demircan et al. (1997); 5.: Mayer and Drechsel (1987);
6.: İbanoglu et al. (1985)

†TÜBİTAK : The Scientific and Technical Research Council of Turkey

Times of minima:						
Star name	Time of min. HJD 2400000+	Error	Type	Filter	$O - C$ [day]	Rem.
BK Peg	50319.4175	0.0004	II	<i>UBV</i>	-0.0121	MT, BC
	50706.4701	0.0003	I	<i>UBV</i>	0.0016	MT, BC
	51052.3325	0.0007	I	<i>UBV</i>	-0.0004	HA
	51137.4160	0.0004	II	<i>UBV</i>	-0.0105	HA
U Cep	51138.3074	0.0001	I	<i>UBV</i>	-0.0095	HA
	51381.3993	0.0008	II	<i>BVR</i>	0.0243	HA
EM Cep	50709.4090	0.0001	I	<i>UBV</i>	-0.0784	HA
CQ Cep	51013.3843	0.0003	II	<i>UBV</i>	0.0137	HA
	51022.3990	0.0002	I	<i>UBVR</i>	0.0016	HA
IU Aur	50737.4515	0.0005	I	<i>UBV</i>	0.0050	HA
	50872.3901	0.0006	II	<i>UBV</i>	-0.0111	HA
ER Vul	50640.4202	0.0002	I	<i>BV</i>	0.0106	FFÖ
	50669.3908	0.0002	II	<i>BV</i>	0.0103	FFÖ

Explanation of the remarks in the table:

Observers: MT: Mehmet TANRIVER, BC: Bekir CANDAN, HA: Hasan AK, FFÖ: Ferhat F. ÖZEREN

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