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PHOTOELECTRIC MINIMA OF SOME ECLIPSING BINARY STARS

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Observatory and telescope:

30-cm Maksutov telescope of the Ankara University Observatory and 40-cm Cassegrain telescope of the TÜBİTAK[†] National 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:

Times of minima were determined by the method of Kwee and van Woerden (1956).

Observed star(s):

Star name	GCVS type	Coordinates (J2000)		Comp. star	Ephemeris		Source
		RA	Dec		E	2400000+ P [day]	
V376 And	EW	02 35 11	+49 51 37	BD+49 699	51644.3215	0.798669	1
HV Aqr	EW/KW/RS	21 21 24	-03 09 36	BD-03 5184	48835.7742	0.3744576	2
SV Cam	EA/DW/RS	06 41 19	82 16 02	BD+82 0176	52282.4579	0.59307301	3
V776 Cas	EW	01 53 23	+70 02 33	BD+69 118	52556.3106	0.44041618	4
CG Cyg	EA/SD/RS	20 58 13	+35 10 29	BD+34 4216	52490.4173	0.6311436	3
SW Lac	EW/KW	22 53 41	+37 56 18	BD+37 4715	52505.5960	0.32071417	3
ET Leo	EW	10 33 25	+17 34 27	HD 91149	48499.9714	0.3465039	4
V781 Tau	EW/KW	05 50 13	+26 57 43	HD 38980	52554.9210	0.344908	5
DI Peg	EA/SD	23 32 14	+14 58 08	BD+14 5004	25918.3597	0.71181663	6
V357 Peg	EW	23 45 35	+25 28 18	BD+25 5001	48500.3159	0.578452	7

Source(s) of the ephemeris:

1.: Rucinski et al. (2001); 2.: Molik & Wolf (2000); 3.: Pribulla et al. (2002);
4. this study; 5.: Nelson (2003); 6.: Vinkó (1992); 7.: ESA (1997)

[†]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.
V376 And	52595.5273	0.0006	I	BV	-0.0090	El-Kr
HV Aqr	52491.4263	0.0001	II	BV	0.0098	Kt-Çn
	52545.3387	0.0003	II	BV	0.0003	Tn-Krk
	52596.2606	0.0003	II	BV	-0.0040	Kt-Gz
SV Cam	52674.4757	0.0001	I	UBV	-0.0034	El-Ak
V776 Cas	52556.3107	0.0005	I	UBV	0.0000	Şn- El
	52556.5306	0.0004	II	UBV	-0.0003	El-Şn
CG Cyg	52497.3603	0.0001	I	BV	0.0004	El-Çt
	52498.3099	0.0003	II	BV	0.0033	Kt-Tr
SW Lac	52503.5114	0.0002	II	BV	0.00004	Tn-Bl
	52517.4617	0.0001	I	BV	-0.0007	Tn-Dm
	52538.3082	0.0001	I	BV	-0.0006	Tn-Krk
	52538.4700	0.0002	II	BV	0.0008	Tn-Krk
ET Leo	52726.2833	0.0005	I	BVR	0.0148	Tn-Krk
	52726.4488	0.0005	II	BVR	0.0071	Tn-Krk
DI Peg	52594.3820	0.0003	I	BV	-0.0177	Tn-Bl
V357 Peg	52526.3326	0.0003	I	BV	-0.0094	Kt-Çn
V781 Tau	52594.5853	0.0002	I	BV	0.0089	Tn-Dm

Explanation of the remarks in the table:

Ak: O. Aksu, Bl: İ. Bulca, Çn: D. Çınar, Çt: C. ÇetintAŞ, Dm: M. Demirhan, El: A. Elmashı, Gz: A.P. Gözler, Kr: A. Kara, Krk: T. Karakaş, Kt: E. Kutdemir, Şn: H. V. Şenavcı, Sz: A. S. Sezgin, Tn: T. Tanrıverdi, Tr: B. Turhanoglu, Yl: M. Yılmaz

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ERRATUM FOR IBVS 5407

We noticed an error in the minima of ET Leo which should be corrected as:

Mean time 52726.2809, Mean error 0.0004 Min I (BVR)
Mean time 52726.4513, Mean error 0.0002 Min II(BVR)

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