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PHOTOELECTRIC MINIMA OF SOME ECLIPSING BINARY STARS

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Observatory and telescope:

40-cm Cassegrain telescope of the TÜBİTAK National Observatory and 30-cm Makutov 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:

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]	
WY Cnc	EA/SD/RS	09 01 55	+26 41 22	BD+27 1708	26352.3895	0.8293712	1
BO CVn	EW	13 59 08	+40 49 09	BD+41 2450	46895.4483	0.5174617	2
CG Cyg	EA/SD/RS	20 58 13	+35 10 29	BD+34 4216	22967.4184	0.6311435	3
AK Her	EW/KW	17 13 57	+16 21 00	BD+16 3123	22977.2540	0.4215221	4
SW Lac	EW/KW	22 53 41	+37 56 18	BD+37 4715	51056.2896	0.3207151	5
GR Vir	EW/KW	14 45 20	-06 44 04	BD-06 4066	45665.6415	0.3469788	6
NN Vir	EB	14 19 37	+05 53 46	BD+06 2864	50595.3452	0.4806900	7

Source(s) of the ephemeris:

1.: Hall & Kreiner (1980); 2.: Albayrak et al. (2001); 3.: Sowell et al. (2001);
4.: Woodward (1942); 5.: Pribulla et al. (2001); 6.: Cereda et al. (1988);
7.: Rucinski & Lu (1999)

[†]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.
WY Cnc	52308.3696	0.0002	I	<i>BV</i>	-0.0210	Şn-Ak
BO CVn	52070.3231	0.0002	II	<i>UBV</i>	-0.0010	Hs-Km
	52375.3677	0.0002	I	<i>UBV</i>	0.0000	Al-Tn
CG Cyg	52196.3029	0.0002	I	<i>UBV</i>	-0.0021	Al-Çt
AK Her	52112.4686	0.0003	I	<i>UBV</i>	0.0306	Hs-Çğ
	52126.3805	0.0003	I	<i>UBV</i>	0.0323	Hs-Çğ
SW Lac	52188.4083	0.0001	I	<i>BV</i>	-0.0056	Tn-Yl
	52195.3055	0.0002	II	<i>BV</i>	-0.0038	Tn-Yr
	52195.4641	0.0001	I	<i>BV</i>	-0.0056	Tn-Yr
GR Vir	52450.4316	0.0004	I	<i>BV</i>	-0.0066	Bl-Tn
	52375.5126	0.0001	I	<i>BVR</i>	-0.0050	Al-Tn
	52399.4499	0.0003	I	<i>UBV</i>	-0.0091	Çt-El
	52440.3970	0.0002	I	<i>BV</i>	-0.0055	Tn-Bl
	52443.3443	0.0003	II	<i>BV</i>	-0.0076	Tn-Bl
	52460.3464	0.0002	II	<i>BVR</i>	-0.0075	Tn-Şn
NN Vir	52464.3366	0.0003	I	<i>BVR</i>	-0.0075	Tn-Şn
	52405.3689	0.0002	II	<i>BV</i>	-0.0145	Tn-Sz
	52424.3554	0.0005	I	<i>BV</i>	-0.0153	Tn-Bl
	52450.3149	0.0003	I	<i>BV</i>	-0.0130	Tn-Bl
	52461.3667	0.0001	I	<i>BV</i>	-0.0171	Sz-Kr
	52462.3300	0.0004	I	<i>BV</i>	-0.0151	Çt-Ak

Explanation of the remarks in the table:

Ak: O. Aksu, Al: B. Albayrak, Bl: İlker Bulca, Çğ: A. Çağlar, Çt: C. Çetintaş, El: A. Elmashı, Hs: E. Hastürk, Km: B. Kömürcü, Kr: T. Karakaş, Şn: H. V. Şenavcı, Sz: A. S. Sezgin, Tn: T. Tanrıverdi, Yl: F. Yıldız, Yr: E. D. Yörük

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