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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.

**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]	
CN And	EW/KW	00 20 31	+40 13 34	BD+39 0069	50698.9591	0.46279372	1
OO Aql	EW/DW:	19 48 13	+09 18 33	BD+08 4220	49193.44180	0.5067888	2
VW Boo	EW/KW	14 17 26	+12 34 04	BD+13 2777	31173.4297	0.34232143	3
44i Boo	EW	15 03 47	+47 39 14	BD+50 2126	39852.4644	0.2678176	4
V523 Cas	EW/KW	00 40 05	+50 14 22	BD+49 0160	46708.7706	0.23368973	5
AM Leo	EW/KW	11 02 11	+09 53 43	BD+10 2235	39936.8217	0.36579760	6
UV Leo	EA/DW	10 38 21	+14 16 04	BD+14 2277	38440.72633	0.60008478	7
V839 Oph	EW/KW	18 09 21	+09 09 04	BD+09 3584	49536.39151	0.40900516	8
BX Peg	EW/DW:	21 38 53	+26 42 23	BD+25 4584	45651.3218	0.28042064	9
HW Vir	EA/D	12 44 21	-08 40 30	BD-08 3411	48294.886472	0.11671953	10

**Source(s) of the ephemeris:**

- 1.: Dworac (2003)
- 2.: Demircan and Gürol (1996)
- 3.: Binnendijk (1973)
- 4.: Rovithis and Rovithis-Livaniou (1990)
- 5.: Samec et al. (2001)
- 6.: Demircan et al. (1992)
- 7.: Rafert (1982)
- 8.: Akalın and Derman (1997)
- 9.: Samec (1990)
- 10.: Gürol (1994)

<b>Times of minima:</b>						
Star name	Time of min. HJD 2400000+	Error	Type	Filter	$O - C$ [day]	Rem.
CN And	52185.42165	0.00019	I	<i>B</i>	-0.0830	Gd-Çğ
	52185.42196	0.00024	I	<i>V</i>	-0.0827	Gd-Çğ
OO Aql	52514.44841	0.00021	I	<i>U</i>	+0.0196	Gd-Kr
	52514.45084	0.00016	I	<i>B</i>	+0.0220	Gd-Kr
	52514.45026	0.00033	I	<i>V</i>	+0.0214	Gd-Kr
VW Boo	52794.39645	0.00013	I	<i>B</i>	-0.0548	Çğ-Gd
	52794.39815	0.00013	I	<i>V</i>	-0.0531	Çğ-Gd
44i Boo	52024.40249	0.00012	II	<i>B</i>	+0.0299	Gd-Ak
	52024.40244	0.00032	II	<i>B</i>	+0.0298	Gd-Ak
V523 Cas	52110.45530	0.00009	II	<i>B</i>	+0.0231	Gd-Çğ
	52110.45606	0.00045	II	<i>V</i>	+0.0238	Gd-Çğ
	52113.49366	0.00018	II	<i>B</i>	+0.0235	Gd
	52113.49298	0.00013	II	<i>V</i>	+0.0228	Gd
	52164.32051	0.00023	I	<i>B</i>	+0.0224	Gd-Çğ
	52164.32171	0.00054	I	<i>V</i>	+0.0236	Gd-Çğ
	52164.43830	0.00028	II	<i>B</i>	+0.0234	Gd-Kr
	52164.43805	0.00030	II	<i>V</i>	+0.0231	Gd-Kr
	52164.55616	0.00070	I	<i>B</i>	+0.0244	Gd-Çğ
	52164.55668	0.00062	I	<i>V</i>	+0.0249	Gd-Çğ
	52577.37302	0.00020	II	<i>B</i>	+0.0253	Gd-Ak
	52577.37292	0.00018	II	<i>V</i>	+0.0252	Gd-Ak
	52577.49068	0.00026	I	<i>B</i>	+0.0261	Gd-Ak
	52577.49096	0.00019	I	<i>V</i>	+0.0264	Gd-Ak
	AM Leo	52339.37439	0.00014	I	<i>U</i>	+0.0022
52339.37447		0.00064	I	<i>B</i>	+0.0022	Gd-Ak
52339.37321		0.00060	I	<i>V</i>	+0.0010	Gd-Ak
52339.55346		0.00014	II	<i>B</i>	-0.0017	Gd-Ak
52339.55321		0.00023	II	<i>V</i>	-0.0019	Gd-Ak
UV Leo	52796.27241	0.00020	I	<i>B</i>	+0.01348	Çğ-Ak
	52796.27256	0.00034	I	<i>V</i>	-0.01363	Çğ-Ak
V839 Oph	52091.42968	0.00035	I	<i>U</i>	+0.0443	Gd
	52091.43135	0.00011	I	<i>B</i>	+0.0460	Gd
	52091.43113	0.00017	I	<i>V</i>	+0.0458	Gd
BX Peg	52815.44997	0.00020	I	<i>B</i>	-0.0583	Gd
	52815.44686	0.00018	I	<i>V</i>	-0.0615	Gd-El
HW Vir	51627.46019	0.00032	I	<i>B</i>	-0.0023	Gr-Gd
	51627.46021	0.00038	I	<i>V</i>	-0.0023	Gr-Gd
	51627.51807	0.00065	II	<i>B</i>	-0.0028	Gr-Gd
	51627.51876	0.00058	II	<i>V</i>	-0.0021	Gr-Gd
	52353.45546	0.00043	I	<i>U</i>	-0.0025	Gd-Tn
	52353.45522	0.00037	I	<i>B</i>	-0.0027	Gd-Tn
	52353.45529	0.00040	I	<i>V</i>	-0.0027	Gd-Tn
	52724.39018	0.00036	I	<i>B</i>	-0.0025	Çğ-Tn
	52724.39021	0.00043	I	<i>V</i>	-0.0024	Çğ-Tn
	52724.50683	0.00038	I	<i>B</i>	-0.0025	Çğ-Tn
	52724.50696	0.00040	I	<i>V</i>	-0.0024	Çğ-Tn
52759.40634	0.00057	I	<i>B</i>	-0.0022	Çğ-Tn	
52759.40620	0.00048	I	<i>V</i>	-0.0023	Çğ-Tn	

**Explanation of the remarks in the table:**

Gr: B. Güröl, Gd: L. Gürdemir, Kr: M. Kırca, Ak: U. Akçay, Çğ: A. Çağlar, Tn: A. Tunç, El: T. Elmas

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