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**NEW TIMES OF MINIMA OF SOME SELECTED  
ECLIPSING BINARY SYSTEMS**

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<b>Observatory and telescope:</b>
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40-cm f/10 Meade Cassegrain-Schmidt telescope of the Çanakkale Onsekiz Mart University Ulupinar Astrophysics Observatory
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30-cm f/3.3 Meade Cassegrain-Schmidt telescope of the Çanakkale Onsekiz Mart University Ulupinar Astrophysics Observatory
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<b>Method of data reduction:</b>
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Reduction of the CCD frames was made with MUNIPACK <sup>1</sup> software, and reduction of photoelectric observations was made by ATMEX <sup>2</sup> software.
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<b>Method of minimum determination:</b>
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Kwee – van Woerden method (Kwee & van Woerden, 1952), and in some cases, depending on the nature of the data set, several procedures written by A. Gaspani (1995) based on artificial neural networks were used.
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<sup>1</sup>Hroch, F., Novák, R., 1997, MUNIPACK, <http://munipack.astronomy.cz/>

<sup>2</sup>Keskin, V., 2001, ATMEX, <http://astronomy.sci.ege.edu.tr/~keskinv/Software.html>

<b>Observed star(s):</b>							
Star name	GCVS type	Coordinates (J2000)		Comp. star	Ephemeris		Source
		RA	Dec		E 2400000+	P [day]	
OO Aql	EW	19 48 13	+09 18 32	GSC 1058:0409	39322.6916	0.50679190	1
V803 Aql	EW	19 00 46	−07 29 13	GSC 5140:0670	47684.8169	0.26342538	1
UW Boo	EA	14 20 59	+47 06 43	GSC 3472:0434	42404.7175	1.00471105	1
XY Boo	EW	13 49 10	+20 11 06	GSC 1466:0088	39953.6892	0.37055392	1
AC Boo	EW	14 56 28	+46 21 44	GSC 3474:0835	47641.5860	0.35243123	1
CV Boo	EA	14 35 03	+09 06 54	GSC 2570:0869	38883.4540	0.84699280	1
EF Boo	EW	21 58 33	+60 56 53	GSC 3479:0714	48500.3016	0.42051309	5
Y Cam	EA	07 41 11	+76 04 28	GSC 4527:1983	42962.0840	3.30554500	1
AB Cas	EA	02 37 32	+71 18 13	GSC 4320:0413	46849.2820	1.36687530	1
V821 Cas	EA	23 58 49	+53 40 20	GSC 4001:1839	51767.4106	1.76975340	7
EG Cep	EB	20 15 57	+76 48 36	GSC 4585:0165	45580.5580	0.54462152	1
GS Cep	EB	22 51 29	+57 00 20	GSC 3992:1648	47414.4350	1.47162500	6
V456 Cyg	EA	19 27 12	+28 56 50	GSC 3152:0097	29098.9145	0.89119355	1
V478 Cyg	EA	20 19 39	+38 20 09	GSC 3151:2338	44777.4835	2.88090320	1
V836 Cyg	EB	21 21 24	+35 44 11	GSC 2715:2996	44853.4914	0.65341148	1
V859 Cyg	EW	19 27 12	+28 56 50	GSC 2137:0260	34629.4119	0.40499999	1
Z Dra	EA	12 40 14	+66 17 08	GSC 4396:0455	43499.7300	1.35743190	1
RZ Dra	EB	18 23 06	+58 54 13	GSC 3916:1825	44177.5609	0.55087616	1
TZ Dra	EA	18 22 12	+47 34 05	GSC 3529:0778	33852.3331	0.86603452	1
AX Dra	EB	12 40 14	+66 17 08	GSC 4168:0342	26767.6886	0.56816285	1
FU Dra	EW	12 40 14	+66 17 08	GSC 4181:1726	50866.2770	0.30671686	2
SZ Her	EA	03 09 53	−06 53 50	GSC 2610:0821	34987.3959	0.81809569	1
EM Lac	EW	22 23 55	+54 01 07	GSC 3982:1143	38259.5490	0.38913405	1
PY Lyr	EW	19 20 26	+28 56 46	GSC 2136:1627	34980.4372	0.38576273	1
NN Mon	EA	06 50 11	+33 14 21	GSC 4816:2738	30131.2530	0.91233900	4
U Peg	EW	23 57 59	+15 57 13	GSC 1722:0413	50000.0227	0.37478124	3
AT Peg	EA	22 13 23	+08 25 32	GSC 1137:0492	45640.4590	1.14609013	1
BB Peg	EW	22 22 56	+16 19 59	GSC 1682:1530	43764.3416	0.36150147	1
BN Peg	EA	21 28 02	+05 00 12	GSC 0537:0590	33896.3700	0.71329807	1
V432 Per	EW	03 10 10	+42 51 21	GSC 2855:0199	48601.3776	0.38330910	1
AG Vir	EW	11 05 05	+05 09 06	GSC 0871:0261	33387.8656	0.64265009	1

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

1. Kreiner et al., 2001
2. Vanko, M., et al., 2001.
3. Pribulla, T.; Vanko, M., 2002.
4. Kholopov et al., 1985.
5. Özdemir, et al., 2001.
6. Hanzl, D., 1991.
7. Değirmenci, Ö. L., 2003.

<b>Times of minima:</b>						
Star name	Time of min. HJD 2400000+	Error	Type	Filter	$O - C$ [day]	Rem.
OO Aql	52780.5145	2	I	—	−0.0360	ccd
	52781.5316	1	I	—	−0.0325	ccd
	52811.4324	1	I	—	−0.0324	ccd
V803 Aql	52837.3705	1	I	—	−0.0468	ccd
UW Boo	52777.3399	6	I	—	−0.0145	ccd
XY Boo	52717.4421	8	II	—	0.2084	ccd
	52777.4767	12	II	—	0.2132	ccd
AC Boo	52707.3704	5	II	—	0.1141	ccd
	52777.5058	2	II	—	0.1157	ccd
CV Boo	52770.3285	3	II	—	0.0040	ccd
EF Boo	52777.3450	4	I	—	0.0048	ccd
Y Cam	52862.5289	3	I	—	0.3376	ccd
AB Cas	52885.4421	4	I	—	0.0388	ccd
V821 Cas	52882.3561	4	I	—	0.0009	ccd
EG Cep	52906.2642	3	I	—	0.0021	ccd
GS Cep	52890.3508	5	I	—	−0.0008	ccd
V456 Cyg	52769.4771	5	II	$B, V$	0.0163	pe
	52904.4940	3	I	—	0.0174	ccd
V478 Cyg	52809.4233	9	I	—	−0.0183	ccd
V836 Cyg	52811.4093	3	I	—	0.0195	ccd
V859 Cyg	52819.4211	6	II	—	0.0421	ccd
Z Dra	52837.5226	2	I	—	0.0186	ccd
RZ Dra	52860.4679	1	I	—	−0.0030	ccd
TZ Dra	52917.2082	8	I	—	−0.0088	ccd
AX Dra	52721.3722	1	I	—	0.0046	ccd
FU Dra	52770.3762	2	I	—	0.0009	ccd
	52862.3919	4	I	—	0.0016	ccd
SZ Her	52770.3505	2	I	—	0.0085	ccd
EM Lac	52838.4791	3	I	—	0.0229	ccd
PY Lyr	52863.3103	4	I	—	0.0702	ccd
NN Mon	52721.3311	1	II	—	0.1083	ccd
U Peg	52906.3863	10	I	—	−0.0649	ccd
	52906.5725	2	II	—	−0.0661	ccd
AT Peg	52811.4762	3	I	—	−0.0687	ccd
	52904.3107	2	I	—	−0.0675	ccd
BB Peg	52838.4020	4	I	—	0.0120	ccd
BN Peg	52906.4719	3	I	—	−0.0050	ccd
V432 Per	52917.4605	2	I	—	0.0225	ccd
AG Vir	52415.4503	6	I	$U, B, V$	0.0008	pe
	52417.3784	5	I	$U, B, V$	0.0010	pe

**Remarks:**

The 31 stars, whose details are listed in Table 1, were observed using either conventional filtered Johnson standard (UBV) photoelectric photometry with the SSP-5A or unfiltered with the ST-237. 40 times of minima, primary and some secondary, are listed in Table 2, together with O-C values corresponding to the Table 1 ephemerides.

<b>Availability of the data:</b>
Upon request
<b>Acknowledgements:</b>
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#### ERRATUM FOR IBVS 5399

Time of minimum of AH Tau was given as 52578.4707, but it should be 52578.5104.