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TIMES OF MINIMA FOR SOME ECLIPSING BINARIES

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Observatory and telescope:	
48 cm Cassegrain telescope and 30 cm Schmidt-Cassegrain telescope at Ege University Observatory (EUO)	

Detector:	SSP-5 photometer including Hamamatsu R4457 photomultiplier and High-Speed Three-Channel Photometer including Hamamatsu R1436P photomultiplier.
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Method of data reduction:	
The differential magnitudes were corrected for atmospheric extinction and the observing times were reduced to the Sun's center.	

Method of minimum determination:	
The times of minima were computed using the Kwee and van Woerden method (Kwee and van Woerden 1956) as implemented in AVE ¹ .	

Observed star(s):							
Star name	GCVS type	Coordinates (J2000)		Comp. star	Ephemeris		Source
		RA	Dec		E 2400000+	P [day]	
ET Boo	EB	14 59 20.32	+46 49 03.6	SAO 45325	48500.4420	0.645046	1
DE CVn	E	13 26 54.30	+45 32 55.0	BD+45 2109	50550.9246	0.364095	3
KR Cyg	EA	20 09 05.60	+30 33 01.3	HD 191398	51363.4875	0.8451572	6
YY Gem	EA	07 34 37.41	+31 52 09.8	BD+32 1585	24595.8177	0.81428229	7
MM Her	EA	17 58 38.52	+22 08 46.8	HD 341480	45551.4274	7.960326	8
FS Leo	EB?	11 27 58.52	+14 49 55.5	BD+15 2333	51660.2706	0.456971	4
RW Tau	EA	04 03 54.32	+28 07 33.5	HD 25626	47525.4486	2.768827318	5
V1123 Tau	EB	03 34 58.55	+17 42 38.0	BD+17 567	48500.3570	0.399957	1
HD 162905	EW	17 53 32.26	−03 54 55.3	HD 162776	52369.9500	0.42651	9
HD 170451	EW	18 29 13.01	+06 47 13.7	HD 170291	52454.7107	0.375296	2

Source(s) of the ephemeris:

1.: ESA, 1997; 2.: Koppelman et al., 2002; 3.: Robb R.M., Greimel R., 1997; 4.: Rucinski et al., 2002; 5.: Simon, V., 1997; 6.: Sipahi E., Gulmen O., 2000., 7.: Sowell et al. 2001, 8.: Tas, G., 2000; 9.: Wils P., Dvorak S.W., 2003.

¹AVE is written by Rafeal Barbera (<http://www.astrogea.org/soft/ave/introave.htm>).

Times of minima:							
Star name	Time of min. HJD 2400000+	Error	Type	Filter	$O - C$ [day]	Rem.	
ET Boo	52758.3580	2	I	B,V	-0.0327		
	52777.3861	4	II	B,V	-0.0334		
	52797.3825	3	II	B,V	-0.0334		
DE CVn	52798.3510	2	I	B,V	-0.0325		
	52411.3156	1	I	V	-0.1344		
	52412.4078	22	I	B,V,R	-0.1345		
	52413.4958	4	I	V	-0.1388		
	52705.5359	3	I	V,R	-0.1030		
	52727.3837	4	I	B,V,R	-0.1008		
KR Cyg	52832.3635	4	I	U,B,V,R	-0.0072		
	52859.4074	4	I	U,B,V,R	-0.0083		
	53192.4000	1	I	U,B,V,R	-0.0077		
YY Gem	52620.5625	0	II	V	-0.0016		
	52965.4134	1	I	B,V	0.0007		
	52978.4421	1	I	B,V	0.0009		
	53046.4338	1	II	B,V	-0.00002		
	53082.2603	2	II	B,V	-0.0019		
MM Her	51752.4992	12	I	U,B,V,R	-0.0221		
	51760.4776	27	I	U,B,V,R	-0.0041		
	51776.3818	9	I	U,B,V,R	-0.0205		
	52349.5390	11	I	B,V,R	-0.0068		
	52767.4563	7	II	U,B,V,R	-0.0066		
	52771.4332	7	I	U,B,V,R	-0.0099		
	53169.4508	7	I	U,B,V,R	-0.0086		
	FS Leo	52322.4207	2	I	B,V	-0.0009	
52323.3349		6	I	B,V	-0.0006		
52353.4921		3	I	B,V	-0.0036		
52364.4640		3	I	B,V	0.0011		
52391.4222		8	I	B,V	-0.0020		
52397.3629		1	I	B,V	-0.0019		
52399.4204		4	II	B,V	-0.0008		
52692.3397		3	II	B	0.0001		
52697.3654		7	II	B,V	-0.0009		
52697.5918		5	I	B,V	-0.0030		
52698.5051		3	I	B,V	-0.0036		
RW Tau		52193.5708	2	I	U,B,V,R	-0.1207	
		52229.5653	1	I	U,B,V,R	-0.1209	
	52232.3345	5	I	U,B,V,R	-0.1205		
V1123 Tau	52591.4541	1	I	B,V	-0.0630		
	52963.4075	3	I	U,B,V,R	-0.0696		
	52964.4052	3	II	U,B,V,R	-0.0718		
	52976.4034	5	II	U,B,V,R	-0.0724		
	53001.4001	3	I	U,B,V,R	-0.0730		
HD 162905	52849.3465	8	I	U,B,V,R	-0.0008		
	52822.4713	3	I	U,B,V,R	-0.0059		
HD 170451	52798.4949	5	I	U,B,V,R	0.0131		
	52802.4350	4	II	U,B,V,R	0.0125		
	52795.4934	4	I	U,B,V,R	0.0139		

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