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NEW TIMES OF MINIMA OF SOME ECLIPSING BINARY STARS

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Observatory and telescope:

30-cm Schmidt-Cassegrain (T30), 40-cm Cassegrain-Schmidt (T40), 0.6-m Ritchey-Chrétien (T60) and 122-cm Cassegrain-Nasmyth (T122) telescopes of Çanakkale Onsekiz Mart University Observatory, Çanakkale.

Detector:

Apogee ALTA U47 CCD camera, Peltier cooling, E2V CCD47-10 chip, 15' × 15' FOV, 1024 × 1024 pixels.
Apogee ALTA U42 CCD camera, Peltier cooling, E2V CCD47-10 chip, 15' × 15' FOV, 2048 × 2048 pixels.
ST237 camera, Peltier cooling, TC237 chip, 11' × 8' FOV, 640 × 480 pixels.
STL1001E camera, Peltier cooling, KAF-1001E chip, 28' × 28' FOV, 1024 × 1024 pixels.

Method of data reduction:

Reduction of the CCD frames was made with C-MUNIPACK software (<http://c-munipack.sourceforge.net/>).

Method of minimum determination:

The minima times were computed with the Kwee – van Woerden method (Kwee & van Woerden, 1956).

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
CN And	57244.4176	0.0003	II	<i>BVR</i>	T60
	57251.3595	0.0003	II	<i>BVR</i>	T60
	57254.3652	0.0002	I	<i>BVR</i>	T60
V376 And	57362.4344	0.0001	II	<i>VR</i>	T40
	57364.4204	0.0002	I	<i>BVR</i>	T40
OO Aql	57240.5483	0.0001	II	<i>BVR</i>	T60
	57247.3888	0.0001	I	<i>BVR</i>	T60
	57260.3130	0.0002	II	<i>BVR</i>	T60
SS Ari	57385.2454	0.0011	I	<i>BVR</i>	T30
	57385.3541	0.0021	II	<i>BVR</i>	T30
	57634.5158	0.0002	II	<i>VR</i>	T40
	57637.5596	0.0002	I	<i>VR</i>	T40
	57655.4241	0.0014	I	<i>VR</i>	T40
XY Boo	56384.4471	0.0002	I	<i>BVR</i>	T122
	56387.4123	0.0002	I	<i>BVR</i>	T122
	56387.5998	0.0001	II	<i>BV</i>	T122
	56448.3711	0.0002	II	<i>BV</i>	T122
	57126.4146	0.0003	I	<i>BVR</i>	T30
	57162.3595	0.0001	I	<i>BR</i>	T30
	57188.4856	0.0003	II	<i>B</i>	T30
BI CVn	57125.3925	0.0002	II	<i>BVR</i>	T30
	57125.5822	0.0001	I	<i>BVR</i>	T30
	57141.3373	0.0003	I	<i>BVR</i>	T30
	57141.5297	0.0003	II	<i>BVR</i>	T30
	57151.3264	0.0002	I	<i>BVR</i>	T30
	57151.5190	0.0002	II	<i>BVR</i>	T30
	57152.4788	0.0002	I	<i>BVR</i>	T30
VW Cep	57331.3372	0.0002	II	<i>BVR</i>	T30
	57343.3032	0.0001	II	<i>BVR</i>	T30
	57343.4462	0.0003	I	<i>BVR</i>	T30
	57593.4838	0.0033	II	<i>BVR</i>	T40
	57600.4120	0.0012	I	<i>BVR</i>	T40
RW Com	57099.4578	0.0002	I	<i>BVR</i>	T30
	57129.3634	0.0002	I	<i>BVR</i>	T30
	57129.4818	0.0001	II	<i>BVR</i>	T30
	57134.3478	0.0002	I	<i>BVR</i>	T30
V401 Cyg	57230.3695	0.0002	I	<i>BVR</i>	T30
	57231.5354	0.0003	I	<i>BVR</i>	T30
	57256.3101	0.0006	II	<i>BVR</i>	T30
	57258.3377	0.0003	I	<i>BVR</i>	T30

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
V2150 Cyg	56945.3872	0.0004	I	<i>BVR</i>	T30
	56950.3830	0.0005	II	<i>BVR</i>	T30
	57255.3538	0.0004	I	<i>BVR</i>	T30
	57620.4085	0.0004	II	<i>BVR</i>	T40
	57624.3005	0.0007	II	<i>BVR</i>	T40
	57632.2891	0.0006	I	<i>BVR</i>	T40
CM Dra	57168.3932	0.0002	I	<i>BVR</i>	T30
EZ Hya	57231.5354	0.0004	II	<i>BVR</i>	T40
	57476.2982	0.0003	I	<i>BVR</i>	T40
	57478.3242	0.0003	II	<i>BVR</i>	T40
V502 Oph	57123.3120	0.0002	I	<i>BVR</i>	T30
	57124.3758	0.0002	II	<i>BVR</i>	T30
	57130.3193	0.0007	I	<i>BVR</i>	T30
	57131.4254	0.0002	II	<i>BVR</i>	T30
	57495.5418	0.0003	II	<i>BVR</i>	T30
	57498.5442	0.0003	I	<i>BVR</i>	T30
	57505.5824	0.0004	II	<i>BVR</i>	T40
	57509.3875	0.0002	I	<i>BVR</i>	T40
	57542.4681	0.0005	I	<i>BVR</i>	T40
	57543.3749	0.0002	I	<i>BVR</i>	T40
	57544.5107	0.0008	II	<i>BVR</i>	T40
	57582.3674	0.0002	I	<i>BVR</i>	T40
U Peg	57362.2868	0.0001	II	<i>BVR</i>	T30
	57384.2106	0.0001		<i>BVR</i>	T30
BX Peg	57252.4269	0.0001	I	<i>BVR</i>	T30
	57495.5418	0.0003	I	<i>BVR</i>	T40
	57498.5442	0.0003	I	<i>BVR</i>	T40
	57509.3875	0.0003	I	<i>BVR</i>	T40
OU Ser	57173.4168	0.0006	II	<i>BVR</i>	T30
	57174.4622	0.0003	I	<i>BVR</i>	T30
W UMa	57476.3183	0.0003	I	<i>BVR</i>	T30
	57476.4853	0.0001	II	<i>BVR</i>	T30
	57496.3362	0.0001	I	<i>BVR</i>	T30
	57496.5031	0.0001	II	<i>BVR</i>	T30
	57523.3605	0.0001	I	<i>BVR</i>	T30

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
AW UMa	57123.3120	0.0002	I	<i>BVR</i>	T30
	57124.3758	0.0023	II	<i>BVR</i>	T30
	57130.3193	0.0007	I	<i>BVR</i>	T30
	57131.4254	0.0002	II	<i>BVR</i>	T30
HN UMa	57385.5690	0.0005	I	<i>BVR</i>	T60

Explanation of the remarks in the table:

In the Remarks column of Times of Minima table, telescopes used in the observations are given.
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Remarks:

We present 80 minima times of 19 eclipsing binaries.
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Reference:

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