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TIMES OF MINIMA FOR ECLIPSING BINARIES 2010

DVORAK, S. W.

Rolling Hills Observatory, Clermont, FL USA; e-mail: sdvorak@rollinghillsobs.org

Observatory and telescope:	
25cm catadioptric telescope at Rolling Hills Observatory (RHO)	

Detector:	SBIG ST-9XE, Peltier cooling, Kodak KAF-0261 chip, 18'5 × 18'5 FOV, 512 × 512 pixels.
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Method of data reduction:	
Reduction of the CCD frames was done with sextractor and custom-written applications ¹ .	

Method of minimum determination:	
The heliocentric times of minima and the error estimates were computed using the Kwee and van Woerden method as implemented in a custom-written C application. A floor of 0.0001d (~8 seconds) was applied to the error estimates to allow for the error contribution due to barycentric variation, and as an allowance for the overly optimistic error estimates of the Kwee and van Woerden method.	

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
HL Aur	55257.6638	0.0001	I	V	
AC Boo	55327.6421	0.0001	I	V	
AK Cam	55263.6608	0.0001	I	V	
AZ Cam	55260.6516	0.0001	I	V	
FN Cam	55287.6797	0.0001	II	V	
V0821 Cas	55491.6850	0.0001	II	B	
BH CMi	55259.6951	0.0001	I	V	
ES Cnc	55235.781	0.002	I	V	
EV Cnc	55235.802	0.002	II	V	
RW Com	55279.8279	0.0001	II	V	
	55279.8280	0.0002	II	V	
YY CrB	55261.8271	0.0001	I	V	
BI CVn	55251.7874	0.0001	I	V	
DF CVn	55209.8490	0.0001	I	V	
KR Cyg	55461.6389	0.0001	I	V	
V0488 Cyg	55461.6660	0.0007	I	V	

¹sextractor is written by Emmanuel Bertin and is available from <http://terapix.iap.fr/>

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
BV Dra	55238.8856	0.0001	I	V	
BW Dra	55238.7694	0.0001	I	V	
	55238.917	0.001	II	V	
AX Dra	55261.6291	0.0001	I	V	
	55275.8333	0.0001	I	V	
BU Dra	55282.7920	0.0001	I	V	
FU Dra	55261.8473	0.0001	I	V	
	55296.6588	0.0001	II	V	
GM Dra	55285.8711	0.0001	I	V	
EL Gem	55261.7186	0.0001	I	V	
GW Gem	55472.9178	0.0001	I	V	
SX Gem	55261.6594	0.0001	I	V	
WW Gem	55269.6481	0.0001	I	V	
V0921 Her	55270.8510	0.0002	I	V	
CE Leo	55262.6640	0.0002	I	V	
VW LMi	55260.8762	0.0001	I	V	
UU Lyn	55222.8255	0.0001	I	V	
	55499.9207	0.0001	II	V	
BP Per	55254.6057	0.0002	I	V	
DZ Psc	55455.8647	0.0001	I	V	
V0781 Tau	55199.6806	0.0001	I	V	
AA UMa	55236.7415	0.0001	II	V	
AW UMa	55248.6453	0.0002	I	V	
II UMa	55231.8365	0.0001	II	V	
KM UMa	55202.8418	0.0001	I	V	
TY UMa	55216.8560	0.0001	I	V	
UY UMa	55262.8617	0.0003	I	V	
VV UMa	55253.7030	0.0001	I	V	
RU UMi	55270.6490	0.0001	I	V	
Q1997/11	55279.5864	0.0001	I	V	= GSC 3752-0986
ROTSE1 J140551.53+374652.5	55342.6907	0.0001	?	V	= GSC 3034-0870
TSVSC1 TN-N130110312-13-67-2	55342.7114	0.0001	?	V	= GSC 3034-1022
VSX J213808.7+261704	55343.8388	0.0005	?	V	= GSC 2197-0872

Reference:

Kwee, K. K. & van Woerden, H., 1956, *BAN*, **12**, 327