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TIMES OF MINIMA FOR ECLIPSING BINARIES 2009

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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 somewhat arbitrary allowance for timing errors and 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.
BX And	54842.5615	0.0001	I	V	
	54860.5621	0.0001	II	V	
CN And	54848.5527	0.0001	II	V	
V0376 And	54846.6108	0.0001	II	V	
V0417 Aur	54866.6169	0.0001	II	<i>B</i>	
HL Aur	54901.5814	0.0001	I	V	
HW Aur	54893.6411	0.0001	I	V	
IU Aur	54876.6797	0.0001	I	V	
ZZ Aur	54869.6709	0.0001	I	V	
AC Boo	54862.9405	0.0001	II	V	
UW Boo	54898.7873	0.0002	II	V	
AY Cam	54899.6132	0.0002	II	V	
AZ Cam	54888.6301	0.0001	I	V	
CD Cam	54883.6928	0.0001	II	V	
	54896.6875	0.0001	II	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.
DN Cam	54867.6387	0.0001	II	V	
	54886.5728	0.0001	II	V	
FN Cam	54895.6165	0.0001	II	V	
EG Cep	54915.9218	0.0001	I	V	
AK CMi	54853.6479	0.0001	I	V	
BF CMi	54868.8339	0.0003	I	V	
UZ CMi	54925.6602	0.0001	II	V	
XZ CMi	54894.5864	0.0001	I	V	
AH Cnc	54946.6421	0.0001	I?	V	
W Crv	54934.690	0.001	I	V	
BI CVn	54871.8029	0.0001	I	V	
DF CVn	54950.6199	0.0001	I	V	
V0836 Cyg	55010.8009	0.0001	I	V	
AR Dra	54886.6715	0.0001	I	V	
BH Dra	54944.7758	0.0001	I	V	
BV Dra	54898.7971	0.0001	II	V	
BW Dra	54897.8187	0.0001	I	V	
FU Dra	54901.7606	0.0001	I	V	
	54937.8016	0.0001	II	V	
UZ Dra	54962.8256	0.0001	II	V	
AF Gem	54857.5498	0.0001	I	V	
FG Gem	54876.5787	0.0001	I	V	
GX Gem	54872.5817	0.0001	II	V	
HR Gem	54854.5394	0.0001	I	V	
QW Gem	54870.620	0.002	I	V	
LT Her	54945.7946	0.0001	I	V	
SZ Her	54926.8595	0.0001	I	V	
UX Her	54937.8978	0.0001	I	V	
V0728 Her	54897.9138	0.0001	II	V	
	54915.8265	0.0001	II	B	
	54981.8063	0.0002	II	V	
	54982.7488	0.0001	II	V	
V0842 Her	55010.6476	0.0001	I	V	
V0899 Her	54899.8229	0.0002	I	V	
Z Lep	54868.5639	0.0001	I	V	
VW LMi	54871.6723	0.0001	I	V	
RY Lyn	54945.6002	0.0001	I	V	
SW Lyn	54902.6246	0.0001	I	V	
UV Lyn	54887.6127	0.0001	I	V	
V0714 Mon	54841.6094	0.0003	II	V	
ER Ori	54842.6693	0.0001	II	V	
V0647 Ori	54854.6654	0.0001	II	V	
V1363 Ori	54872.6159	0.0001	I	V	
IK Per	54879.5353	0.0001	I	V	
IQ Per	54868.5899	0.0001	I	B	
NZ Per	54849.5927	0.0001	I	V	

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
RV Per	54870.6687	0.0001	I	V	
V0432 Per	54841.6843	0.0001	I	V	
	54871.5814	0.0001	I	V	
UZ Pup	54863.6964	0.0001	II	V	
AC Tau	54834.7884	0.001	II	V	
AH Tau	54848.6737	0.0001	I	V	
CT Tau	54880.6329	0.0001	I	V	
WY Tau	54898.5490	0.0002	I	V	
V Tri	54867.5444	0.0001	I	V	
AA UMa	54854.7488	0.0001	I	V	
AW UMa	54921.7947	0.0002	I	V	
II UMa	54949.6403	0.0001	II	V	
KM UMa	54901.6523	0.0001	I	V	
UY UMa	54880.8244	0.0001	I	V	
	54886.8404	0.0001	I	V	
VV UMa	54870.8314	0.0002	I	V	
HW Vir	54841.8577	0.0001	II	V	
	54841.9159	0.0001	I	V	
	54841.9743	0.0001	II	V	
HT Vir	54909.8015	0.0001	I	V	
NN Vir	54926.821	0.001	I	V	
VV Vir	54920.8037	0.0001	I	V	

Reference:

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