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CCD MINIMA FOR SELECTED ECLIPSING BINARIES IN 2012

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Observatory and telescope:
Sylvester Robotic Observatory (SyRO): 33 cm f/4.5 Newtonian on a Paramount ME

Detector:	Wright CCD camera, Peltier cooling, EEV ZYa7 chip, 5' × 7' FOV, 758 × 1061 pixels.
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Method of data reduction:
Bias and dark subtraction, flat-fielding using light-box flats; aperture photometry—all using MIRA, by Mirametrics. Check stars were used throughout.

Method of minimum determination:
Digital tracing paper method, bisection of chords, curve fitting, and (occasionally) Kwee and van Woerden (1956)

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
BX And	56206.7650	0.0001	I	R	
LO And	56114.8274	0.0002	I	VRI	
LO And	56117.8716	0.0005	I	VRI	
LO And	56118.8233	0.0002	II	VRI	
BO Ari	56167.946	0.002	II	VRI	
V0599 Aur	56221.8936	0.0003	I	c	
V0644 Aur	56266.7145	0.0005	I	c	
AC Boo	55928.0411	0.0002	II	c	
DN Boo	56022.7913	0.0003	I	R	
GR Boo	55938.0573	0.0002	II	c	
GT Boo	55937.94459	0.0004	I	c	
IK Boo	55937.0004	0.0002	I	c	
CD Cam	55939.7940	0.0002	II	c	
NR Cam	55937.6349	0.0005	II	R	
OQ Cam	56205.8503	0.0001	I	R	
PQ Cam	55942.5967	0.0001	II	c	
V0447 Cam	56280.8158	0.0005	I	c	
V0517 Cam	55981.7173	0.0004	I	c	
WZ Cep	56121.8942	0.0003	I	c	
G4475-0618 Cep	56122.7914	0.0003	I	c	
G4267-0588 Cep	56210.6422	0.0002	I	R	(a)
G4267-0682 Cep	56210.6605	0.0001	I	R	
G4481-0080 Cep	56215.6783	0.0005	I	c	
TX Cnc	55944.8369	0.0002	I	c	
IR Cnc	56249.8917	0.0005	I	c	
RW Com	55932.8908	0.0002	I	c	
CC Com	55939.9368	0.0001	II	c	
LT Com	55992.8843	0.0003	I	R	
MM Com	56023.7542	0.0004	II	c	
TW CrB	56026.8778	0.0002	I	VRI	
AR CrB	55940.0777	0.0001	I	c	
BO CVn	56012.8749	0.0002	II	R	
DQ CVn	56011.6998	0.0003	I	c	
EY CVn	56015.7324	0.0004	II	c	
FV CVn	56010.8612	0.0004	I	c	
GM CVn	56014.7339	0.0003	II	R	
GN CVn	55945.9039	0.0002	I	c	
V0700 Cyg	56013.0066	0.0001	II	c	
V1187 Cyg	56011.0094	0.0005	II	c	
V1191 Cyg	56010.9962	0.0003	II	c	
V2197 Cyg	56143.7546	0.0003	I	VRI	
V2197 Cyg	56146.7823	0.0002	II	VRI	
V2197 Cyg	56149.8858	0.0002	I	VRI	
BL Dra	56119.7962	0.0004	I	R	
BX Dra	56019.8048	0.0002	II	c	
DD Dra	56058.957	0.002	I	c	
FX Dra	56017.9214	0.0003	II	R	
GZ Dra	56021.936	0.001	I	c	

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
G3888-0464 Dra	56008.8950	0.0003	I	c	
G4428-1574 Dra	56017.8201	0.0001	I	c	
G3900-0615 Dra	56022.8906	0.0003	II	c	
AC Gem	55945.7102	0.0003	I	c	
V0450 Her	55946.0039	0.0001	I	c	
V0731 Her	56024.8529	0.0003	I	c	
V0829 Her	56009.9040	0.0002	II	R	
V0829 Her	56023.872	0.001	II	c	
V0857 Her	55984.886	0.004	II	c	
V1066 Her	55980.9925	0.0005	I	c	
V1073 Her	55992.9961	0.0001	I	c	
V1091 Her	56019.9692	0.0004	I	c	
V1097 Her	56024.9749	0.0002	I	c	
V1097 Her	56061.7807	0.0002	I	VRI	
V1097 Her	56072.7903	0.0015	II	VRI	
V1100 Her	56059.8007	0.0002	II	VRI	
V1100 Her	56060.8415	0.0002	II	VRI	
V1100 Her	56071.769	0.001	I	VRI	
V1100 Her	56073.8503	0.0004	I	VRI	
V1100 Her	56089.8106	0.0002	I	VRI	
G2587-1888 Her	56011.7973	0.0003	I	c	
G2587-1888 Her	56011.9532	0.0003	II	c	
G3621-0711 Lac	56122.855	0.001	I	R	
XZ Leo	55945.8032	0.0001	I	c	
AM Leo	56025.712	0.0003	I	R	
ET Leo	56013.735	0.001	II	c	
GU Leo	55984.7157	0.0001	II	c	
HI Leo	55941.9466	0.0001	I	c	
G1965-0735 Leo	56006.6928	0.0003	II	R	
XY LMi	56280.9573	0.0005	I	c	
AG LMi	55936.8803	0.0002	I	c	
FG Lyn	56275.8813	0.0005	II	R	
V1363 Ori	55944.6503	0.0002	II	c	(b)
U Peg	56209.6587	0.0001	I	R	
BN Peg	56124.8728	0.0001	I	R	
BN Peg	56128.7993	0.0005	II	VRI	
V0404 Peg	56120.8570	0.0002	II	R	
G1684-0522 Peg	56207.6524	0.0003	II	c	
RZ Tau	55938.6772	0.0001	II	R	
CU Tau	56207.8158	0.0007	II	VRI	
CU Tau	56209.879	0.001	II	VRI	
CU Tau	56210.9095	0.0005	I	VRI	
V0781 Tau	56217.8548	0.0005	I	c	
ES UMa	56012.7443	0.0003	II	R	
KM UMa	56010.7147	0.0003	I	c	
MQ UMa	55937.8357	0.0004	I	c	
MS UMa	55938.885	0.001	II	c	
QT UMa	55932.8144	0.0002	II	c	

Times of minima:					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
RU UMi	55927.8576	0.0001	I	c	
WW UMi	56275.9918	0.0005	II	c	
AZ Vir	56021.7800	0.0003	I	c	
PS Vir	56026.7135	0.0002	II	c	
PY Vir	56024.775	0.002	I	c	
G2157-0387 Vul	56121.8229	0.0005	I	c	

Explanation of the remarks in the table:

Star name G denotes GSC

(a) New variable - field of G4267-0682 P = 2.632979 days
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(b) New period: P = 0.6629525 days

Acknowledgements:

Thanks are due to Environment Canada for the website satellite views (see reference below) that were essential in predicting clear times for observing runs in this cloudy locale. Thanks are also due to Attila Danko for his Clear Sky Charts, (see below). This research has made use of the SIMBAD database, operated at CDS, Strasbourg, France
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References:

Danko, A., Clear Sky Charts, <http://cleardarksky.com/>

Kwee, K.K., & van Woerden, H., 1956, B.A.N. 12, (464), 327-330

Satellite Images for North America, <http://www.weatheroffice.gc.ca/>

ERRATUM FOR IBVS 6050

The detector given in the article is incorrect. It should be

Detector:	SBIG ST-10XME, 6'8 pixels, 34'4 × 23'2 FOV, -10 < T < -30°C
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The Author