

COMMISSIONS 27 AND 42 OF THE IAU  
 INFORMATION BULLETIN ON VARIABLE STARS

Number 5966

Konkoly Observatory  
 Budapest  
 25 January 2011

*HU ISSN 0374 – 0676*

**CCD MINIMA FOR SELECTED ECLIPSING BINARIES IN 2010**

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<b>Observatory and telescope:</b>	
Sylvester Robotic Observatory (SRO): 33 cm f/4.5 Newtonian on a Paramount ME mount	

<b>Detector:</b>	SRO: SBIG ST-7XME, 1''25 pixels, 15'8 × 10'5 FOV, cooled to $-10 < T < -30^{\circ}$ C
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<b>Method of data reduction:</b>	
Aperture photometry using MIRA, by Mirametrics.	

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

<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
QX And	55520.6267	0.0002	II	R	
GSC 1761-1934 Ari	55448.821	0.0002	I	R	
AP Aur	55522.8858	0.0003	I	R	
EP Aur	55561.6318	0.0005	II	c	
GSC 2374-0055 Aur	55522.7443	0.0003	I	R	
GSC 2407-0767 Aur	55546.629	0.001	I	R	
GSC 2933-1972 Aur	55485.8789	0.0002	I	c	
TY Boo	55274.9307	0.0003	I	c	
XY Boo	55274.0328	0.0002	II	R	
AC Boo	55300.8561	0.0002	II	VRI	
AC Boo	55312.8395	0.0002	II	VRI	
HH Boo	55259.9848	0.0002	I	c	
HR Boo	55264.8712	0.0003	I	c	
NR Cam	55259.664	0.0002	II	c	
GSC 4358-0151 Cam	55486.913	0.001	II	c	
GSC 4524-1856 Cam	55523.8033	0.0002	I	R	
GSC 4544-1144 Cam	55548.8678	0.0002	I	R	

<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
BS Cas	55521.6727	0.0001	II	R	
V0776 Cas	55202.5705	0.0005	II	R	
V0952 Cas	55497.7659	0.0002	I	R	
V0959 Cas	55486.7753	0.0002	II	c	
V1004 Cas	55485.779	0.001	I	c	
GSC 4295-0927 Cas	55455.8407	0.0003	I	R	
GSC 4318-0519 Cas	55522.6020	0.0003	I	R	
V0497 Cep	55458.6986	0.0003	I	R	
GSC 4267-0682 Cep	55321.9166	0.0003	I	R	
GSC 4479-0888 Cep	55523.5982	0.0003	II	R	
IL Cnc	55523.9260	0.0002	I	R	
IN Cnc	55264.7131	0.0002	I	c	
IT Cnc	55242.694	0.001	II	c	
RZ Com	55262.7483	0.0003	II	c	
DL CVn	55308.7485	0.0005	I	c	
DL CVn	55325.779	0.002	I	c	
EN CVn	55259.8609	0.0003	I	c	
GSC 2545-0970 CVn	55560.9579	0.0002	I	R	
V1815 Cyg	55363.8692	0.0003	I	R	
V2477 Cyg	55312.9610	0.0001	II	R	
GSC 3581-1856 Cyg	55366.8012	0.0002	I	R	
EX Del	55345.8961	0.0003	I	c	
BL Dra	55322.9207	0.0002	I	R	
GSC 3900-0615 Dra	55326.8972	0.0001	I	R	
GSC 3900-0615 Dra	55328.7644	0.0003	II	VRI	
GSC 3900-0615 Dra	55356.7740	0.0001	I	VRI	
GSC 4436-1300 Dra	55273.9014	0.0005	I	R	
GSC 4449-1278 Dra	55325.9378	0.0004	II	c	
GSC 4541-1805 Dra	55560.824	0.001	I	c	
V0383 Gem	55553.9379	0.0005	I	c	
GSC 1913-1513 Gem	55560.7710	0.0001	I	c	
V0921 Her	55298.9376	0.0003	II	R	
V1064 Her	55324.7579	0.0003	II	R	
V1071 Her	55264.9678	0.0002	II	R	
V1091 Her	55321.7980	0.0004	I	c	
V1094 Her	55322.7765	0.0003	I	c	
V1103 Her	55303.9829	0.0004	II	c	
V1105 Her	55345.795	0.001	II	c	
GSC 3101-0547 Her	55309.9582	0.0002	II	c	
GSC 3510-1283 Her	55309.8558	0.0002	II	c	
GSC 1965-0735 Leo	55520.9310	0.0002	II	R	
XY LMi	55522.958	0.001	I	R	
V0563 Lyr	55261.9795	0.0002	I	c	
V0582 Lyr	55339.9114	0.0001	II	c	
V2357 Oph	55323.8774	0.0004	I	c	
GSC 0107-0596 Ori	55522.8275	0.0002	I	R	
GSC 1322-0294 Ori	55520.8205	0.0002	II	R	

<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
V0404 Peg	55411.8144	0.0005	I	VRI	
V0404 Peg	55412.8636	0.0005	II	VRI	
V0404 Peg	55424.8096	0.0005	II	VRI	
IM Per	55560.6675	0.0005	I	c	
KW Per	55521.5913	0.0005	II	R	
GSC 2846-0404 Per	55408.9483	0.0002	I	VRI	
GSC 2846-0404 Per	55456.7935	0.0007	II	VRI	
GSC 2846-0404 Per	55457.759	0.001	I	VRI	
GSC 2846-0404 Per	55457.956	0.002	II	VRI	
EN Tau	55448.9532	0.0002	I	R	
EQ Tau	55520.7310	0.0002	I	R	
GW Tau	55519.7038	0.0003	II	R	
V1112 Tau	55553.7278	0.0002	I	c	
GSC 1822-0314 Tau	55519.7933	0.0003	I	R	
GSC 1830-1432 Tau	55521.7684	0.0003	I	R	
XY UMa	55520.8786	0.0003	II	R	
KM UMa	55267.7730	0.001	II	R	
OQ UMa	55262.8603	0.0001	I	c	
GSC 2167-0490 Vul	55308.9146	0.0005	I	c	

#### **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 Clocks', (see below). This research has made use of the SIMBAD database, operated at CDS, Strasbourg, France.

#### References:

- Danko, A., Clear Sky Clocks, <http://cleardarksky.com/>  
 Kwee, K.K. & van Woerden, H., 1956, *B.A.N.*, **12**, 327, (No. 464)  
 Nelson, R.H., Bob Nelsons *O–C* Files, <http://binaries.boulder.swri.edu/binaries/omc/>  
 Satellite Images for North America, [http://www.weatheroffice.gc.ca/satellite/index\\_e.html](http://www.weatheroffice.gc.ca/satellite/index_e.html)