

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

Number 5675

Konkoly Observatory
Budapest
18 January 2006

HU ISSN 0374 – 0676

**PHOTOELECTRIC TIMES OF MINIMA
OF SOME ECLIPSING BINARIES**

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Observatory and telescope:

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| 1. 60cm Zeiss-600 telescope of the Sternberg Astronomical Institute (Russia) at Crimean Station. |
| 2. 48cm AZT-14 telescope of the Sternberg Astronomical Institute (Russia) at Alma-Ata station. |

Detector:

- | |
|---------------------------------------|
| 1. UBV photometer, 2. WBVR photometer |
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Method of minimum determination:

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| 1. The minima were computed using software by Khaliullina and Khaliullin (1984). |
| 2. The minima were computed using software by Khaliullina and Khaliullin (1984) and the method of a tracing paper. |
| 3. The minima were computed using the method of a parabola. |

Times of minima:

Star name	Time of min. HJD 2400000+	Error	Type	Filter	$O - C$ [day]	Rem.
Y Cam	45302.3340	± 0.0002	I	V	0.0000	Mos/UBV/1
	45360.198	± 0.010	II	V	0.0043	Mos/UBV/2
	47629.54259	± 0.00009	I	V	-0.0046	Volkov/WBVR/1
	49692.3205	± 0.0011	I	V	-0.0011	Luty, Metlov/UBV/3
	49771.6575	± 0.0009	I	W,B,V,R	-0.0011	Kusakin/WBVR/1
	49773.3198	± 0.0181	II	V	0.0017	Kusakin/WBVR/3
W Del	45544.146	± 0.014	I	B,V	-0.0020	Mos/WBVR/2
GG Ori	47529.267	± 0.033	I	V	-0.0018	Mos/UBV/1
	48321.2208	± 0.0003	II	V	0.0001	Mos/UBV/1
TX UMa	46128.4898	± 0.0007	I	U,B,V	0.0024	Mos/UBV/1

Explanation of the remarks in the table:

observer/ instrument/method

Remarks:

Star name	GCVS type	Ephemeris		Source of the ephemeris
		E 2400000+	Period	
Y Cam	EA+DSCTC	45299.0282	3.3057156	Ketsaris, 1995
W Del	EA/SD	44496.423	4.806113	Rocznik Astronomiczny, 54 , 1982
GG Ori	EA/DM	47814.42316	6.6314975	Volkov and Khaliullin, 2002, for MinI
		47817.22769	6.6314869	Volkov and Khaliullin, 2002, for MinII
TX UMa	EA/SD	44998.1475	3.0632382	Oh and Chen, 1984

Though we obtained our observations many years ago, it is still important to publish these minima because until now, too few photoelectric minima have been reported for these systems

Acknowledgements:

The author thanks prof. Luty V.M., Dr. Metlov V.G., Dr. Volkov I.M., Dr. Kusakin A.V. for their given to me observations.

References:

- Volkov, I.M. and Khaliullin, Kh.F., 2002, *Astronomy Reports*, **46**, 747
 Ketsaris, N.A., 1995, private communication
 Khaliullina, A.I and Khaliullin, Kh.F., 1984, *Soviet Astronomy*, **28**, 228
 Oh K.-D., and Chen K.Y., 1984, *AJ*, **89**, 126