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CCD PHOTOMETRY OF U UMi

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Name of the object:	
U UMi	
Equatorial coordinates:	Equinox:
R.A. = 14 ^h 17 ^m 19 ^s .90 DEC. = 66°47'39".10	2000
Observatory and telescope:	
L. Šmelcer: Valašské Meziříčí Observatory, astrocamera ZEISS 120/540 mm	
Detector:	SBIG ST-7 camera
Filter(s):	V
Date(s) of the observation(s):	
1999.05.09 – 2001.05.30	
Comparison star(s):	GSC 4178 275 = PPM 18967 = SAO 16345 = BD +67°833; V = 9.60 mag, B – V = 0.417 mag
Transformed to a standard system:	No
Type of variability:	M
Remarks:	
U Ursae Minoris (= GSC 4178 277 = HD 125 556) is a Mira type star, with spectral type varying between M6e and M8e and with range of optical light variations between visual magnitudes 7.1 and 13.0. In the fourth edition of the GCVS (Kholopov et al., 1985) a period of 330.92 days is given for its light variations. Altogether 385 measurements have been collected, with typical errors of 0.03 mag. Two maxima and two minima timings are determined using the Kwee and van Woerden (1956) method implemented in AVE (Barbera, 2000) and their values are given in Table 1. The light curve of U UMi is shown in Figure 1.	

Table 1: Maxima timings of U UMi.

Geo. JD	Error
2451564.9	0.6
2451886.5	1.1

Table 2: Minima timings of U UMi.

Geo. JD	Error
2451718.6	1.0
2452032.1	1.2

Availability of the data:

Through the IBVS website as 5418-t3.txt.
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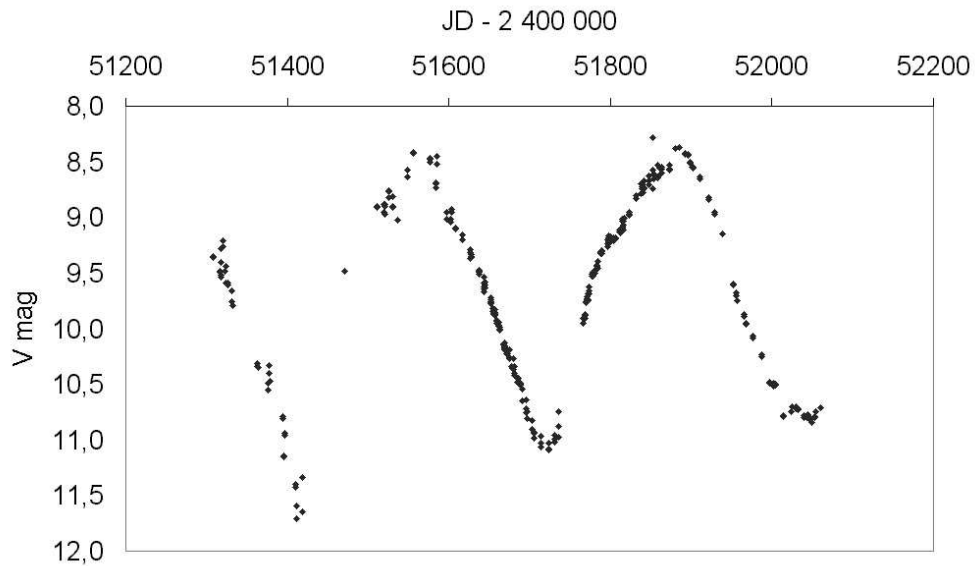


Figure 1.

References:

- Barbera, R., 2000, <http://www.astrogea.org/soft/ave/aveint.htm>
 Kholopov, P. N. et al., 1985, *General Catalogue of Variable Stars*, 4th edition, Moscow
 Kwee, K. K. and Van Woerden, H., 1956, *BAN*, **12**, No. 464, 327