

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 1114

Konkoly Observatory
Budapest
1976 March 13

W UMA: A NEW PERIOD VARIATION

The behaviour of the period of W UMA is known to be subjected to fast and slow variations (Cester, 1969). The last one occurred in 1969-70 with a reduction of the period (Cester, Pucillo 1972). Observations of some minima made in 1974 and 1975 suggested the possibility of a new lengthening: this was briefly communicated in the Bibliography on Close Binaries 25. New observations made at the end of this February confirm the variation, as it can be seen from the positive residuals referred to the elements valid since 1970: $\text{Min. I} = \text{J.D.} 2441004.39769 + 0.33363696 \text{ E}$. All times were deduced after Kwee and van Woerden method.

Hel. J.D.	m.e.	O-C
2442000 +		
101.39680	± 0.00003	+0.00079
120.41352	.00006	+0.00020
451.38263	.00009	+0.00145
462.39281	.00005	+0.00160
830.39480	.00008	+0.00203
830.39409	.00004	+0.00132
831.39608	.00014	+0.00240
835.39900	.00005	+0.00167
835.39900	.00003	+0.00167
836.39998	.00003	+0.00174
837.40109	.00003	+0.00194
839.40306	.00008	+0.00209

B. CESTER, U. FLORA,
F. MARDIROSSIAN, M. PUCILLO
Osservatorio Astronomico
34131 Trieste - Italy

References:

- Cester, B. 1969, Mem.S.A.It.40, 489
Cester, B., Pucillo, M., 1972, I.B.V.S. No.659