

COMMISSION 27 OF THE I.A.U.  
 INFORMATION BULLETIN ON VARIABLE STARS  
 NUMBER 92

Konkoly Observatory  
 Budapest  
 30 April 1965

**A POSSIBLE MAJOR PERIOD CHANGE  
 IN V342 AQUILAE**

The eclipsing variable V342 Aquilae is the fainter component of ADS 12259 =  $\sigma$  370 ( $\rho = 19.5''$ ,  $\theta = 14^\circ$ ). It has a visual range 9.0 - 12.5;  $D = 13^h$ ,  $d = 3^h$ . A finder chart with step sequence was published by Zessevich<sup>1</sup>. Elements in the 1958 "General Catalogue of Variable Stars" are:

$$J.D. \min_{\odot} = 2428023.550 + 3^d.390842 E \quad (A).$$

From observations in 1964, M. Baldwin<sup>2</sup> found a large residual from (A). All minima known to the writers are collected below:

J.D.	$E_A$	$O - C_A$	$E_B$	$O - C_B$	Obs'r.	Ref.
2,400,000+						
28023.550	0	$0^d.000$			P	3
31343.180	+979	-0.004			Z	1
34520.399	1916	-0.004			S	4
34920.527	2034	+0.004			S	5
34988.343	2054	+0.004			S	5
35632.603	2244	+0.004	0	$-0^d.000$	S	6
36073.427	2374	+0.018	+130	-0.000	S	7
38599.691	+3119	+0.105	+875	-0.000	B	2

Observers: J. Piegza, V. Zessevich, R. Szafraniec, M. Baldwin.

It seems that in 1956 the period of V342 Aquilae lengthened by about 10 seconds. Szafraniec<sup>7</sup> first noted that the period was variable, and an increasing period was mentioned in SAC 30, 104, 1959. At present, mid-eclipse is coming about 2.5 hours later than predicted by (A).

These new elements are based on the last three minima in the table, and should be regarded as tentative (residuals are indicated in column five).

$$\text{J.D. min } \odot = 2435632.603 + 3^{\text{d}}3909574 \text{ E} \quad (\text{B}).$$

The writers would like to receive unpublished or new observations of this star.

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<sup>1</sup>V. Zessevich, Odessa Izvestia, IV, 80, 1954.

<sup>2</sup>M. Baldwin, unpublished observation sent to "Sky and Telescope's" eclipsing variable star program.

<sup>3</sup>J. Piegza, the initial epoch in SAC 14, 56; see also AAC 2, 125, which was unavailable to the writers.

<sup>4</sup>R. Szafraniec, SAC 25, 82.

<sup>5</sup>R. Szafraniec, AAC 2, 193.

<sup>6</sup>R. Szafraniec, SAC 28, 106.

<sup>7</sup>R. Szafraniec, SAC 29, 106.