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V800 Aql IS A CLASSICAL CEPHEID

This star was investigated by several authors. Hoffmeister (1949) determined the variable's type as U Gem (Z Cam) and variability range 14^m-16^m pg. Götz (1955, 1956) found limits 12^m8-15^m7 and type RW Aur.

The star was estimated by us on 109 photographic plates, taken from JD 2440763 to 47749. The finding chart and magnitudes of comparison stars are presented in Figure 1.

Periodic variability of V800 Aql with a light curve typical for classical Cepheids was found. Light elements for it are $JD\ Max=2445221.26+20^d065\times E$ and variability range is 14^m4-16^m5 in B band. The light curve is given in Figure 2. The uncertainty of the value of the period is $\pm 0^d004$.

The star is yellow on the Palomar atlas charts in agreement with the δ Cep type. The galactic coordinates according to GCVS IV are $l=43^{\circ}14$, $b=3^{\circ}79$.

It is desirable to continue observations of this star.

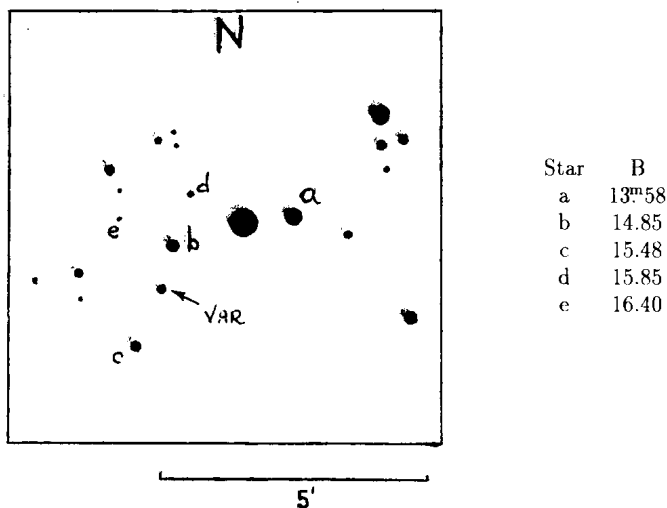


Figure 1. The finding chart of V800 Aql

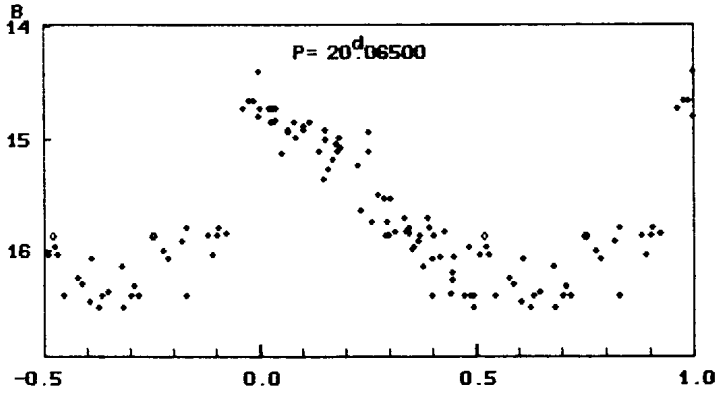


Figure 2. The mean light curve of V800 Aql.
Uncertain observations are shown as open circles.

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