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## TWO NEW SHORT PERIOD VARIABLES

The stars HR 5329 and  $\beta$  Cassiopeiae are probably members of the  $\delta$  Scuti group.

The variability of  $\beta$  Cas was first observed on October 16, 1964, and was confirmed on August 6 and 19, 1965. The period of this star is 0.104 days and its amplitude is 0.04 mag. in V (Figure 1).

The variability of HR 5329 was observed first on August 13, 1964. This variability has been confirmed on several nights. The period of this star is near 0.069 days. The amplitude in V is near 0.04 mag. but may vary by about one hundredth of a magnitude (Figure 2).

Lowell Observatory  
Flagstaff, Arizona  
May 19, 1966

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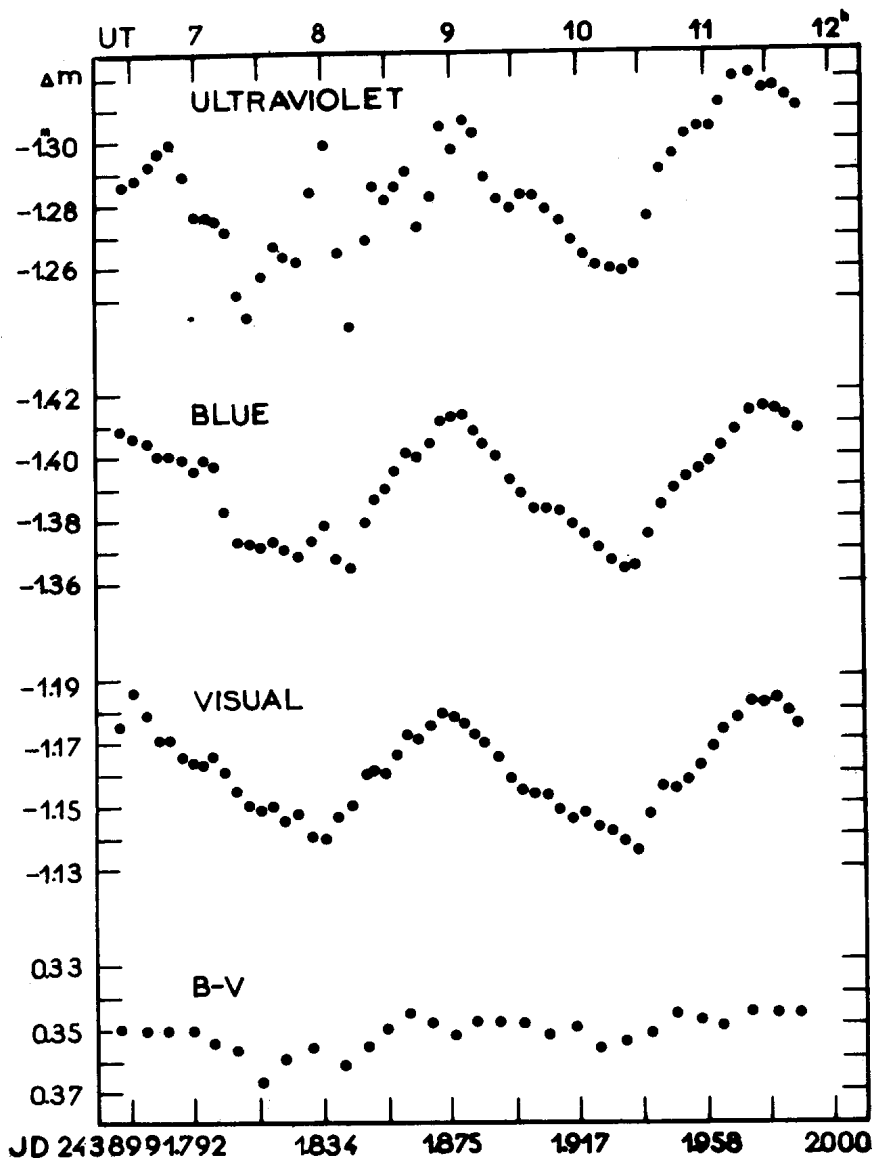


Fig. 1.

Observations of  $\beta$  Cas on August 19, 1965. Comparison star =  $\eta$  Cas.

$$\Delta m = m_{\text{var.}} - m_{\text{comp.}}$$

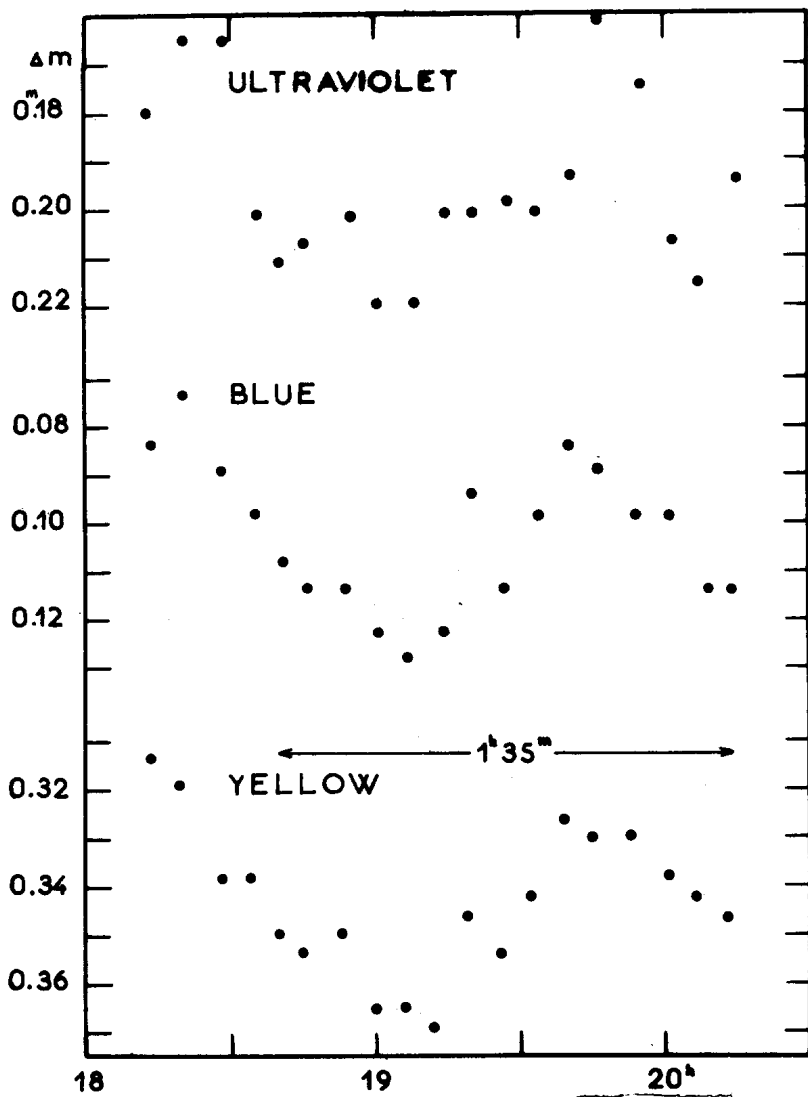


Fig. 2

Observations of  $\kappa^2$  Boo A = BS 5329 on August 28, 1964. Comparison star = BD+52°1804.  $\Delta m = m_{\text{var.}} - m_{\text{comp.}}$  not transformed to UBV system.