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VARIABILITY OF HD 47396 (CSV 798)

On about 170 photographs around  $\epsilon$  Gem taken during October, 1976 and March, 1978, I detected fairly large change of brightness of HD 47396 which is listed as CSV 798. The used camera lenses are of focal lengths 200 and 300 mm. Panchromatic emulsions are used with yellow-green filter which gives brightness very close to visual magnitude.

The star is indicated as variable both in photometric and photographic in H.D. Catalogue (H.A., vol. 92, 1918), and the spectrum is given as peculiar. In remarks, it is added that the range is about one magnitude, but other facts concerning the variation are unknown.

The results of my measurements are plotted in Figure 1, which indicates the type to be probably SR, and suggests a period of roughly 200 days. The range of variation in the past two years is  $9^{\text{m}}.7-10^{\text{m}}.7$  (v). It is remarkable that the star sometimes shows rapid change of brightness in several days amounting to almost half a magnitude. Observations of spectrum as well as brightness are desirable.

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