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VARIABILITY OF CSV 6645

In the course of finding new variables in a field near Praesepe, I detected the suspected variable CSV 6645 which is in the Second Cat. of Susp. Var. Stars, 1965. The position of the star in the catalogue is

$$\alpha = 8^{\text{h}}32^{\text{m}}22^{\text{s}}, \quad \delta = +20^{\circ}44' \text{ (1900.0)}$$

The star was measured on 130 photographs taken between October 1977 and May 1979, with a camera of 50 cm focal length. Super panchromatic emulsion was used with yellow-green filter, giving the brightness very close to visual magnitude.

The star was discovered by R. Kippenhahn and was designated as 1.1954 Cnc. He described the type to be irregular and range to be $12^{\text{m}}.0 - 12^{\text{m}}.6(p)$.

My observations are plotted in the Figure, and it shows the type to be SR. The range is $10^{\text{m}}.4 - 11^{\text{m}}.7(v)$ so far, and the large colour index coincides with the type of the star. The variation was fairly regular in 1977-78, but was less regular in the 1978-79 observing season. The period is almost 100 days.

The finding chart of the star is given in Kippenhahn's paper.

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Reference:

Kippenhahn, R., 1955 A.N., 282, 73

