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TWO NEW VARIABLE STARS IN THE γ CYGNI REGION

On the patrol plates for flare stars in the region of γ Cygni two variable stars were discovered, not designated in the GCVS (1969), GCVS 1, 2 and 3 Suppl. (1971-1976) and 62, 63, 64 Name list of variable stars (I.B.V.S. Nos. 1248, 1414, 1581).

The observational material with total effective time $85^{\text{h}}50^{\text{m}}$ is obtained by the method of multiple exposures, which gives the possibility to observe a quick variability of the order of one 10 minute exposure.

Table I gives the data about these stars: the coordinates for 1950.0, the limits of variation in U-light and the probable type of variation.

Table I

Number	RA (1950.0)	D (1950.0)	$m_{\text{U,max}}$	$m_{\text{U,min}}$	Type
1	$20^{\text{h}}16^{\text{m}}.2$	$41^{\circ}49'0$	$15^{\text{m}}.0$	$17^{\text{m}}.0$	Ins
2	$20\ 26.3$	$39\ 45.8$	15.5	16.8	Ins,ex

Variable 1. Between September 1979 and November 1980 this star had quick, irregular variations in brightness. It is situated in the nebulosity IC 1318a. Figure 1 presents the identification chart of the variable obtained from 40"/52"-Schmidt plate in V-light with 15 minute exposure. Variable 2. In the same interval of observations the star had quick, irregular variations. It is situated in the nebulosity IC 1318c. The star is identical

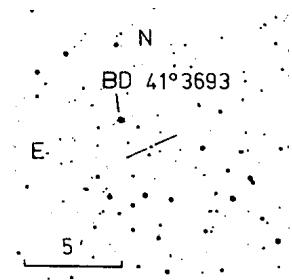


Figure 1

with the star No. 30 in the list of stars with H_{α} -emission of Kazaryan and Parsamyan (Astrofisika 7, 671, 1971). These authors give the value of the intensity of H_{α} -emission as very strong and sharp. On our spectral plates obtained between August 1977 and

September 1980 the star also had a very strong H_{α} -emission. The identification chart is given in the paper of Kazaryan and Parsamyan.

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