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FLARE STARS IN THE REGION AROUND γ CYGNI

For a flare star search in the region around γ Cygni a total of 69 multiple exposure plates (ORWO ZU 21 + UG 2 filter) were obtained with the 40in./52in. Schmidt telescope of the Byurakan Astrophysical Observatory and the 20in./28in. Schmidt telescope of the Bulgarian National Astronomical Observatory at Rojen between September 1981 and October 1982.

Table I gives the data of the observational material.

Table I

Telescope	Time of exposures	Number of plates	Number of exposures	T eff.
40in./52in.	10 ^{min}	46	275	45 ^h 50 ^{min}
	5 ^{min}	1	6	30 ^{min}
20in./28in.	10 ^{min}	22	124	20 ^h 40 ^{min}

Total: 67^h

Two new flare stars were discovered.

The serial number according to the designations of flare stars started in our previous papers, coordinates for 1950.0, the approximate minimum brightness in pg-light, the observed amplitude of flares in U-light and the date of the flare-up are listed in Table II.

Table II

Number	R.A.(1950.0)	D.(1950.0)	m _{pg} (min)	Δm_U	Date of flares
R 12	20 ^h 23 ^m .0	42 ^o 23 ⁱ	21	5.5	17.09.1982
B 4	30.3	39 42	>21	>4.7	19.09.1982

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