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FLARE STAR OBSERVATIONS IN THE PLEIADES - REGION IN 1979

Three new flare stars and two new outbursts of already known Pleiades - region flare stars were discovered during 29^h40^m effective observational time on the plates obtained with the 60/90/180 cm Schmidt-telescope at Konkoly Observatory.

The observations were made on Kodak 103a0 emulsion using Schott UG 2 filter. The multiple exposure plates - in most cases - contain a series of 6-exposures of 10 minutes each. The whole number of exposures : 178.

Table I

No.	R.A.	D	m_U	Δm_U	Date
1	3 ^h 41 ^m .6	24 ^o 33'	20 ^m .5	7 ^m .1	26.10.1979
2	3 42.6	23 46	20.5	6.0	03.09.1979
3*	3 45.0	23 48	18.5	2.0	04.11.1978

*Star No.3 was found on the observing material published in the paper: Jankovics, Kelemen 1979, I.B.V.S. No. 1696.

In Table I the first column gives the serial number for the new flare star found, columns two and three the approximate coordinates for 1900.0, in the fourth column we give the approximate U-band magnitude at minimum light, column five presents the observed amplitude of the flare in U-band, and column six the date of the flare up.

The data for the observed flare-ups of the known flare stars are presented in Table II.

Table II

No.	HII	R.A.	D.	m_U	Δm_U	Date
70	212	3 ^h 38 ^m .0	24 ^o 07'	17 ^m .2	4 ^m .4	27.10.1979
418		3 37.0	24 00	20.4	4.7	27.10.1979

We have used the Byurakan designation and the Hertzsprung number is also given.

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