

COMMISSION 27 OF THE I. A. U.
 INFORMATION BULLETIN ON VARIABLE STARS

Number 1696

Konkoly Observatory
 Budapest
 1979 October 25

FLARE STARS OBSERVATIONS IN THE PLEIADES - REGION

Three new flare stars and seven new outbursts of already known Pleiades - region flare stars were discovered during 19^h33^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 103aO emulsion using Schott UG 2 filter. In most cases we have 6 - each 10 minutes long - exposures on every plate.

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 photographic 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.

Table I

No.	R.A.	D.	m_U	Δm_U	Date
1	3 ^h 38 ^m	22°15.7'	>20.5	>4.4	04.11.1978
2	3 39.7 24 32		~20.0	>3.9	08.11.1978
3	3 41.8 24 28.7		~20.0	>5.8	05.11.1978

The data for the observed flare-ups of the known flare stars are presented in Table II. We have used the Byurakan designation and the Hertzsprung numbers are also given.

Table II

No.	H II	R.A.	D.	m_U	Δm_U	Date
19	1531	3 ^h 41 ^m 7	23°40'	15.7	3.3	04.11.1978
55	2411	3 43.7 24 01		16.9	1.8	03.11.1978
55	2411	3 43.7 24 01		16.9	1.9	08.11.1978
61		3 48.1 23 03		16.8	0.9	03.11.1978
82		3 41.5 24 13.3		18.3	3.3	04.11.1978
103		3 36.9 23 08		17.7	1.2	08.11.1978
119		3 37.8 23 25		>20.0	>6.4	24.11.1978

J. KELEMEN and I. JANKOVICS
 Konkoly Observatory
 Budapest, Hungary