

COMMISSION 27 OF THE I. A. U.
 INFORMATION BULLETIN ON VARIABLE STARS
 Number 1888

Konkoly Observatory
 Budapest
 1980 December 16
 HU ISSN 0374-0676

FLARE STARS IN THE PLEIADES

In 1980 we have continued the patrol observations in the Pleiades region in order to discover flare stars. The observations were made with the 20"/28"-Schmidt telescope of the Bulgarian National Astronomical Observatory in Rojen.

Table I gives the data for observational material during the 30^h45^m total effective time of observations.

Table I

Telescope	Light	Time of exposure	Number of plates	Number of exposures	T _{eff}
20"/28"	U	10 min	30	169	28 ^h 10 ^m
		5 min	5	31	2 ^h 35 ^m

The data of observed flares are summarized in Table II.

Table II

Rojen N	H II	RA	D	m _{Umin}	Δm _U	Date	Identification
R 6		3 ^h 40 ^m .2	+24°22'	21 ^m :	6 ^m .7	5.11.1980	Byurakan N
R 7		41.2	22 02	17.3	0.8	12.10.1980	B 18
					2.3	15.10.1980	
R 8	1827	42.4	23 40	17.9	5.0	18.10.1980	B 51
R 9	2411	43.7	24 01	16.9	2.4	15.10.1980	B 55
					2.0	17.10.1980	
R10		45.3	25 04	20:	5.7	9.10.1980	
R11		45.9	23 00	20:	6.5	8.10.1980	

The successive columns give the following data:

1. Rojen designation
2. Hertzsprung number
- 3 -4. Coordinates for 1900.0
- 5 -6. Photographic magnitude at minimum and amplitude of the observed flare in U-light
7. Date of the flare event (UT)
8. Identification of the flare stars by the Byurakan lists.

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