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FLARE STAR OBSERVATIONS IN THE PLEIADES REGION

Four new flare stars and six outburst repetitions of the Pleiades-region flare stars were discovered.

The observations were made with the 60/90/180 cm Schmidt telescope at Konkoly Observatory in the winter period of 1975-76.

The effective coverage of these observations was 16.0 hours and the method of observations was the common one of multiple and equal exposures of 10 minutes in the U-band.

Table 1

No	RA	D	$m_u$	$\Delta m_u$	Date
1	$3^h 35^m 7$	$+23^{\circ} 27'$	$18^m 5$	$1^m 8$	30.12.1975
2	36.1	23 02	17.2	1.7	02.01.1976
3	42.0	22 35	20.0	5.5	31.12.1975
4	42.5	22 25	19.3	4.3	29.12.1975

Table 1 gives some data for the new flare stars found and the columns give: the serial number; the approximate coordinates for 1900.0; the approximate minimum brightness in U-band; the observed amplitude of the flare-up in U-band and the date of the flare up, respectively.

The data for the registered flare repetitions of the already known flare stars are presented in Table 2.

Table 2

No	HII	RA	D	$m_u$	$\Delta m_u$	Date
55	2411	$3^h 43^m 7$	$+24^{\circ} 01'$	16.9	2.0	29.12.1975
139		38.7	23 12	18.3	2.3	29.12.1975
202		39.3	23 03	20.1	3.7	30.12.1975
212	1029	40.5	24 27	16.7	2.0	02.01.1976
352		41.5	22 50	20.0	5.5	31.12.1975
361		33.6	23 56	19.4	4.4	28.12.1975

The Byurakan designation was used and the Hertzprung numbers are also given.

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