

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

Number 2132

Konkoly Observatory
 Budapest
 1982 April 28
 HU ISSN 0374-0676

FLARE STARS IN ORION

Continuous photographic observations of the flare stars in the Orion nebula (M 42) region have been carried out at the Bulgarian National Astronomical Observatory during the year 1981.

The photographic patrol has been made with the 50/70 cm Schmidt-telescope at Rojen in U-light (ORWO ZU-21 plates with UG 2 filter).

For 22^h50^m total effective time of observations 25 plates with 137 successive exposures each of 10 minutes were obtained. The data about the discovered flares are summarized in Table I.

Table I.

Rojen Nos.	Parento Nos.	R.A.(1900.0)	D(1900.0)	m_{Umin}	Δm_U	Date(UT)	Identification
R9		5 ^h 28 ^m .0	-5°17'	18 ^m .5	2 ^m .5	03.02.1981	
R10	1463	29.5	-4 59	18.0	3.3	02.02.1981	31(1)
R11		30.9	-6 21	20.2	8.3	02.02.1981	
R12		31.3	-5 04	21	6.9	31.01.1981	
R13		37.7	-6 49	19.2	3.4	03.02.1981	

The Rojen numeration (2) for the Orion flare stars has been continued.

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