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FLARE STARS IN ORION

In the course of a programme to discover flare stars in stellar aggregates we have started the patrol observations of Orion (M 42) nebula.

The observations were made with the 20"/28"-Schmidt telescope of the Bulgarian National Astronomical Observatory in Rojen on ORWO ZU 21 emulsion with UG 2 filter. 22 plates each with six successive exposures of 10 minutes were obtained and the total time of effective patrol was 22 hours.

Table I gives the information about the flare events.

Table I

Rojen N	Parentago N	RA(1900.0)	D(1900.0)	$m_{U, \min}$	$\Delta m_U$	Date(UT)	Identification
R 1		$5^h 26^m 34^s$	$-4^{\circ} 17' 0$	$18^m 5$	$4^m 8$	17.11.1980	
R 2		28 17	-4 55.8	18.3	3.5	17.11.1980	43 (1)
R 3	1292	28 58	-4 20.6	16.1	3.1	14.01.1980	$\epsilon\alpha-3$ (2)
R 4	2203	30 52	-5 05.5	>17.1	2.2	14.01.1980	CE Ori
R 5	2372	31 23	-5 08.9	15.8	1.7	18.01.1980	
R 6		32 40	-4 16.9	18.1	3.0	10.02.1980	
R 7		34 55	-6 28.2	17.4	2.4	17.11.1980	173 (3)
R 8		38 05	-4 32.0	16.2	1.0	10.02.1980	

M.K. TSVETKOV, S.A. TSVETKOV, ASSYA G. TSVETKOVA

Department of Astronomy with National Astronomical  
 Observatory, Bulgarian Academy of Sciences,  
 Sofia-1000, 7th November Street 1. Bulgaria

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