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FLARE STARS IN THE PRAESEPE REGION

The re-examination of all the multiple exposure photographic material obtained during the years 1972 - 74 on the Praesepe region has been carried out. The observations were made with the 24" Schmidt telescope of Konkoly Observatory and with the 40" Schmidt telescope of Byurakan Observatory.

Seven flare-ups were discovered. The data of the discovered flare stars are presented in Table I: the first column give the number of flare, columns two and three gives the approximate coordinates for 1900.0, column four gives the minimum brightnesses in U - band, column five gives the observed amplitude of the flare-ups in U - band, column six the date of the flare-ups and column seven gives the remarks.

Table I

N.	R.A.	D.	M_u /min/	ΔU	Date	Remarks
1*	8 ^h 28 ^m 45 ^s	19° 36' 06"	16 ^m .5	1 ^m	21.01.72	103a0 + UG 1
2**	8 28 45	19 36 06	16.5	4 ^m .5	18.02.74	103a0 + UG 1
3**	8 28 47	19 35 51	14	2.5	09.12.72	ZU - 2 + UG 2
4**	8 32 31	19 49 04	14.5	3.5	24.03.74	ZU - 2 + UG 1
5*	8 32 36	20 34 44	>17	>2	23.03.73	103a0 + UG 1
6*	8 33 08	20 12 40	18	2.5	21.01.72	103a0 + UG 1
7*	8 40 05	20 12 33	>17	>2.5	23.03.73	103a0 + UG 1

* 24" at Konkoly Obs.

** 40" at Byurakan Obs.

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