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NEW FLARE STARS IN ORION

We have continued the survey for flare stars in the Orion nebula region. We discovered seven flare stars around the Orion nebula on the plates taken in 1985 with the 40" Schmidt telescope of Byurakan Observatory and from the revision of our old plates.

The effective time of observations is about 12 hours (5 hours in B, and 7 hours in U light). ORWO ZU 21 plates with the combination of Schott filters GG385 and UG1 were used. The revisions were carried out on the plates with effective time of observations about 60 hours.

Table I gives the data for the seven flare stars found. In the columns of Table I the following data on flares are presented respectively: the Byurakan number of star, coordinates, magnitude at minimum, amplitude, the date of flare, telescope and the identification. The coordinates and magnitudes are approximate.

Table I

N	α (1900.0)	δ (1900.0)	M_u	ΔM_u	Date	Telescope	Ident.
B31	5 ^h 23 ^m .2	-6 ^o 58'5	19 ^m .3B	1 ^m .4B	24.10.85	40"	
B32	31.0	-6 11.0	20.5	6.0	22.10.85	40"	
B33	26.1	-4 38.2	(19.0	>4.0	02.12.80	40"	
B34	31.2	-4 31.8	18.1	2.4	01.12.80	40"	
B35	22.8	-6 52.1	16.2	2.7	26.02.79	40"	
B36	26.7	-4 21.1	13.8	1.2	07.03.75	40"	N22*
B37	34.8	-3 28.6	14.5P9	1.3pg	08.03.75	21"	TZ Ori

* Andrews, A.D. 1970. Bol. Obs. Tonantzintla-Tacubaya, 34, 195

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