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FLARE STARS IN ORION

Continuing the photographic observations in the Orion aggregate by means of the 70/100/210-cm Meniscus-type telescope of the Abastumani Observatory, using the multiple exposure method, 16 new flare stars (Table I) and 11 repeated flares of known flare stars (Table II) had been revealed.

As in the publication (1), Table I and II give the data of these flares where the "Ab" numeration of the Orion's flare stars is continued.

Table I

No	α 1900	δ 1900	m_{pg}	Δm_{pg}	Date
85	5 ^h 26 ^m 53 ^s	-7° 22.1	17.7 ^m	1.8 ^m	09.01.1981
86	31 14	-5 24.8	17.4	3.1	09.01
87	29 12	-5 15.8	15.5	1.0	09.01
88	30 28	-5 14.7	15.3	2.2	26.01
89	31 07	-5 11.4	15.5	1.0	29.01
90	29 14	-6 08.8	17.8	1.1	05.02
91	33 34	-7 36.6	17.9	3.5	06.02
92	32 47	-6 56.4	>21.0	>4.5	23.02
93	33 38	-3 33.7	19.5	3.4	23.02
94	37 47	-4 51.9	19.8	3.7	23.02
95	26 54	-7 40.7	19.4	4.4	24.02
96	28 41	-6 30.0	>21.0	>4.6	24.02
97	39 05	-6 00.8	16.3	1.3	24.02
98	28 38	-7 46.4	17.6	2.0	25.02
99	21 43	-5 49.6	17.0	1.8	25.02
100	22 18	-5 27.9	16.5	1.6	04.03

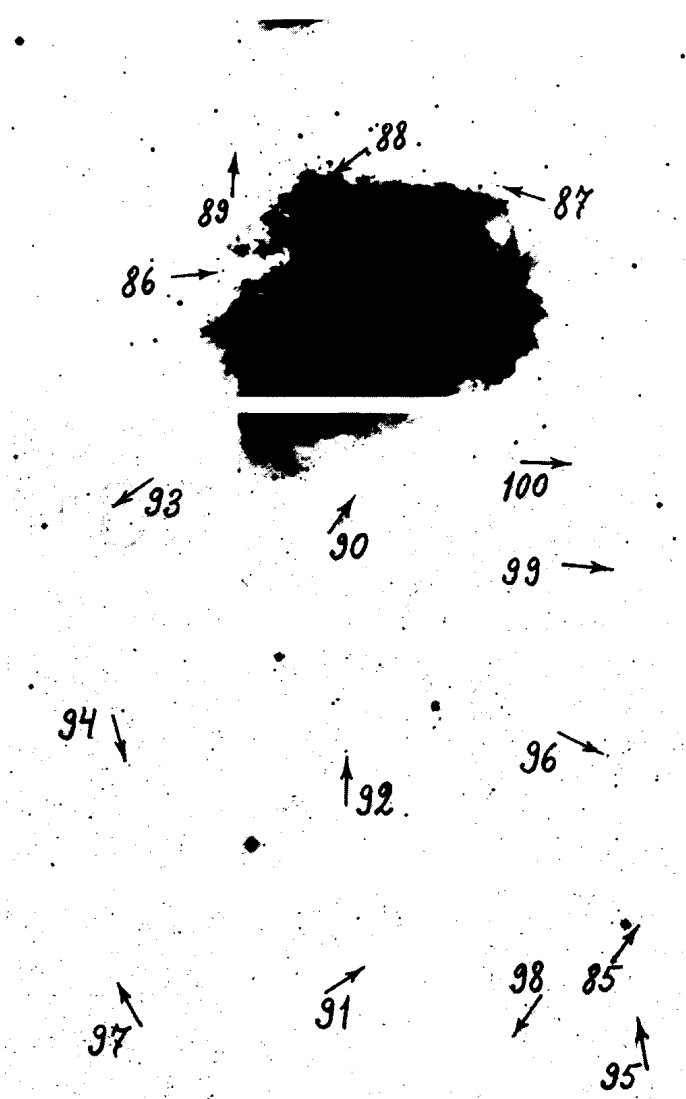


Figure 1

Table II

No	α 1900	δ 1900	m_{pg}	Δm_{pg}	Date	Ident.
1	5 ^h 30 ^m 35 ^s	-6° 13'5	17.3 ^m	1.4 ^m	08.01.1981	T 57
2	29 10	-4 11.3	17.1	0.8	08.01	A 9
3	29 37	-5 04.6	17.0	2.3	09.01	T 32
4	34 46	-3 28.4	15.6	1.3	09.01	Ab 80
5	28 54	-6 04.7	16.2	1.1	22.01	T 139
6	29 20	-5 59.7	17.7	2.6	29.01	T 207
7	34 46	-3 28.4	15.6	1.5	29.01	Ab 80
8	26 57	-5 46.5	17.1	1.5	05.02	Ab 77
9	28 47	-4 59.9	18.3	2.0	06.02	Ab 46
10	31 13	-6 29.2	16.0	1.0	24.02	T 83
11	28 51	-5 40.6	20.0	2.9	03.03	T 21

Outburst of the star No. 87 had unusual character: its brightness increased for less than 6 minutes and stayed at the maximum for approximately 1^h 50^m.

Finding charts are given.

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Reference:

Natsvlshvili, R.Sh., 1981, IBVS No. 1926