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NEW FLARES IN PLEIADES

In course of a common program between the Byurakan Astrophysical Observatory and the Konkoly Observatory on searching flares in Pleiades three new flares were noted. The observations were made on Kodak Oa-0 emulsion with the 60/90/180 cm Schmidt-type telescope of the Konkoly Observatory in the period 8-10 Oct. 1970 in 11 hours of effective observational time.

Additionally a flare of the star H II 1094 was found during the reexamination of the plates taken in 1969 with the Schmidt telescope of the Konkoly Observatory.

Table 1 and 2 summarize the data of the stars (position, brightness in minimum, amplitude and date of flare) and the photographically measured magnitudes during the flares respectively.

It is to mention that flare no.2 was independently observed by dr. E. Parsamian using a 1,5° objective-prism (1800 A/mm at H γ) attached to the 40" Schmidt-type telescope of the Byurakan Observatory.

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Table 1.

Star	1950		Flare data		
	1950	1950	m _{pg}	min	Ampl. Date
1 HII 1094	3 ^h 43 ^m 37 ^s .6	+23°48'47"	14 ^m .6	1 ^m .4	10.11.1969
2	3 38 45.5	24 57.16	18.3	5.1	8.10.1970
3	3 37 15.6	23 00.01	17.8	2.7	9.10.1970
4 HII 1061	3 43 32.5	23 57.52	15.1	2.7	9.10.1970

Table 2.

Star	U.T.	m _{pg}	Star	U.T.	m _{pg}	
1	21 ^h 28 ^m 00 ^s .5	14 ^m .1	2	22 ^h 53 ^m 30 ^s .5	16 ^m .5	
	21.33.50	13.2		22.58.00	16.7	
	21.38.10	14.2		3	03.22.00	17.8
	21.42.20	14.5			03.26.20	15.7
	21.46.30	14.6			03.30.40	15.1
2	21.50.00	18.3	4	03.35.00	16.5	
	21.55.00	13.2		22.44.30	15.1	
	21.59.49	13.5		22.48.45	12.5	
	22.04.15	14.7		22.53.00	12.4	
	22.08.45	15.0		22.57.15	12.9	
	22.13.15	15.1		23.08.30	14.5	
	22.17.45	15.2		23.13.00	14.7	
	22.22.15	15.2		23.21.15	14.8	
	22.25.45	15.2		23.25.30	14.8	
	22.31.15	15.3		23.29.45	14.9	
	22.40.00	15.5		23.32.00	15.0	
	22.44.30	16.1		23.36.15	15.2	
	22.49.00	16.1				