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## COOPERATIVE OBSERVATIONS OF EV Lac

The programme of cooperative observations of flare stars for the year 1970 was published in IBVS 416. According to this programme a series of observations was carried out with the 16" telescope of the Byurakan Observatory in the time interval 23 August - 9 September 1970. The observations were effectuated with a photoelectric polarimeter having a fast rotating polaroid (1).

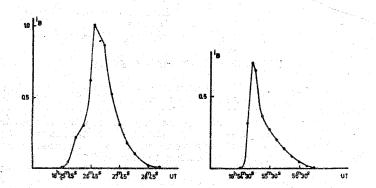
The photomultiplier used was a multicaly 79 - 79 having a spectral sensitivity range from 3000 to 8300 A. with a maximum at 4000-4400 A.

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The observational data are given in the Table below.

## Observations of EV Lac

Date			Moment	Duration	Colour
observ- ation	Coverage UT	m	of maximum	of flare	range
23.VIII-70	17 <sup>h</sup> 50 <sup>m</sup> -18 <sup>h</sup> 30 <sup>m</sup> 18 35 -21 00	4556 648 656	_		blue yellow
24.VIII 25.VIII	17 30 -21 00 17 10 -23 10 23 33 -00 00	***		, 1869 , 1888 , 1888	99 39 39
26.VIII 28.VIII	18 10 -23 35 18 00 -23 10	-		-	n blue
31.VIII 2.IX	19 43 -22 10 17 00 -19 35 20 30 -00 10	eero eero	-	eges exts	H H
3.IX 5.IX	00 15 -00 45 18 35 -22 27 17 00 -23 12	-			98 98
6.IX	16 53 -20 30 21 20 -23 00	easts easts		was	95 95
7.IX 8.IX	23 29 -01 10 17 35 -23 00 16 40 -01 00	0 <u>m</u> 6	- 16h54m248	2m 30s	)† }†
9.IX	17 05 -23 30	0.75	18 26 50	3 15	19



The star EV Lac has been observed on the whole The star EV Lac has been observed on the whole during 65h11 During this time interval two flares with amplitudes  $\Delta m = 0$  and  $\Delta m = 0$  have been registered, both in the blue colour. This magnitudes have been corrected for the influence of the optical companion (2).

The light curves are presented in the Figure. The excess flux of the flare expressed in the units of the normal foux of the star,  $i = (n_{fl}/n_{nor}-1)$ , was taken versus UT.

K.A. GRIGORIAN M.A. ERITSIAN

- M.A. Eritsian, A Photoelectric Polarimeter with a Fast Rotating Polarization Modulator (in press).
- P.F.Chugainov, Izv. Crimean Astrophysical Observatory (in Russian) 26, 171-179, 1961.