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PHOTOELECTRIC OBSERVATIONS OF EV Lac DURING
 THE INTERNATIONAL CAMPAIGN 23 AUGUST-9 SEPTEMBER 1970

The results of photoelectric observations of the flare star EV Lac made at the Crimean Astrophysical Observatory during the International Campaign 23 August-9 September 1970 are given. The observations were made in the photometric system B using the 64-cm meniscus telescope. The time intervals covered with observations are given in Table I. Table II. contains the characteristics of the flares observed. The light curves are given on Figures.

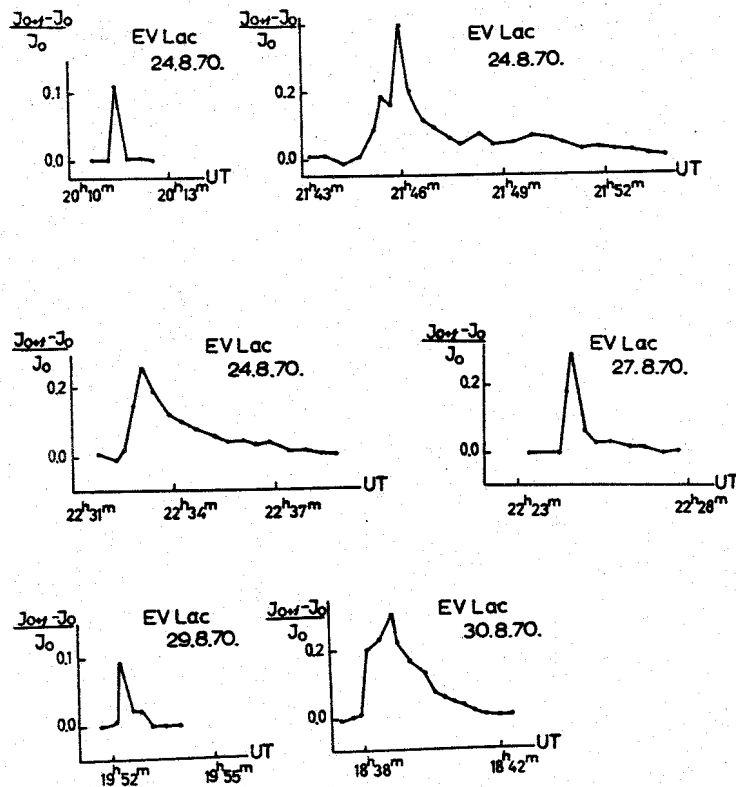


Table I

Date, 1970	Coverage (U.T.)
Aug. 23.	19 51-20 44, 20 45-21 02
24.	18 20-18 29, 20 10-20 19, 20 20-20 23, 20 28-21 00, 21 01-21 33, 21 34-21 55, 22 01-22 41, 22 42-22 58, 23 01-23 06, 23 55-24 02
27	21 55-22 33, 22 37-22 53, 22 55-23 08, 23 10-23 56, 23 57-24 00
28	00 00-00 22, 00 23-00 50, 00 51-01 16, 01 17-01 30, 18 55-19 32, 19 33-20 03, 20 04-20 34, 20 35-21 05, 21 06-21 37, 21 38-22 16, 22 17-22 52, 22 53-23 23, 23 24-24 00
29	00 00-00 30, 00 31-01 03, 01 04-01 38, 18 16-18 49, 18 51-19 04, 19 06-19 28, 19 34-20 15, 20 19-20 39, 20 50-21 03, 21 16-21 22, 21 28-21 57, 22 03-23 30
30	18 05-18 14, 18 16-18 26, 18 27-19 56, 19 57-21 49, 21 55-22 20, 22 21-22 42, 22 43-24 00
31	00 00-00 16, 00 18-01 15, 18 03-18 13, 18 14-18 38, 18 39-18 47, 18 48-19 10, 19 13-21 39, 21 45-23 48, 23 54-24 00
Sept. 1	00 00-00 17, 00 19-01 20, 19 39-19 52, 20 45-21 13, 21 14-21 27, 21 32-23 08
2	18 00-18 07, 19 00-19 23, 19 33-19 42, 19 47-20 06, 20 07-20 42, 20 46-21 53, 22 01-23 23, 23 33-24 00
3	00 02-01 30, 17 48-19 09, 19 15-19 33, 19 53-20 01, 20 07-20 30, 20 34-20 41, 21 40-22 39, 22 49-23 03
4	18 15-18 47, 18 48-19 30, 22 13-24 00
5	00 00-00 08, 00 09-01 30
8	17 30-17 44, 17 47-18 01, 18 04-18 29, 18 30-19 00, 19 04-19 26, 19 28-20 00, 20 02-20 29, 20 40-20 58, 21 03-21 32, 21 33-22 18, 22 22-24 00
9	00 00-01 30, 17 27-17 35, 17 36-17 56, 17 57-18 20, 18 31-18 44, 18 54-19 03, 19 05-19 33, 19 35-20 00, 20 02-20 51, 21 03-21 52

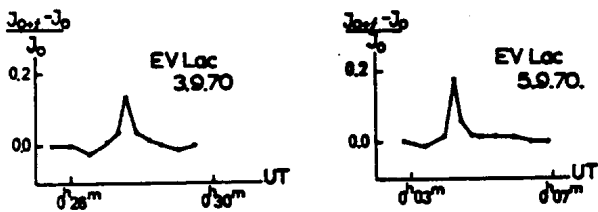
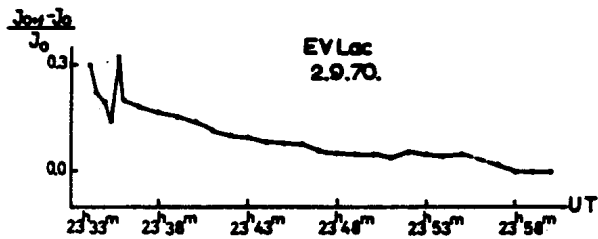
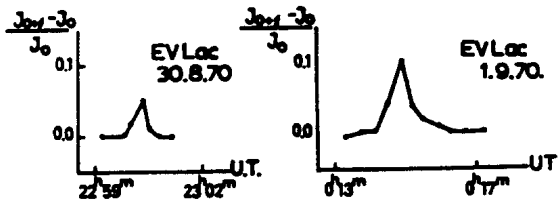
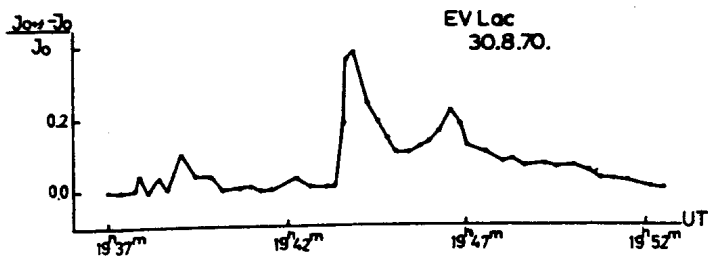
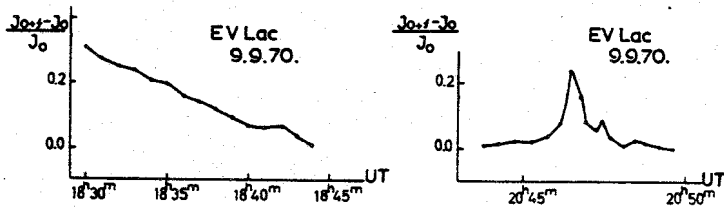
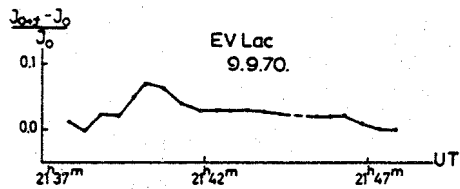
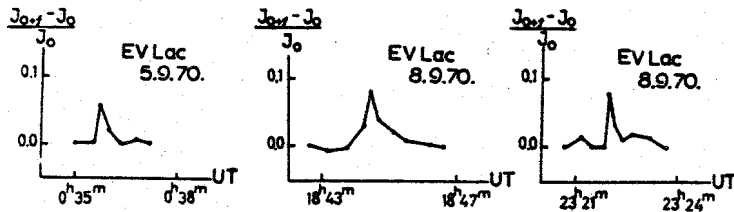


Table II

Date 1970	U.T. of flare maximum	Durations before and after max., minutes		Δm_B	σ/I_0	P minutes	Air mass M(z)
		t_b	t_a				
Aug. 24	20 ^h 11 ^m 4	0.2	0.4	0.12	0.02	0.03	1.09
24	21 46.0	1.3	7	0.34	0.02	0.61	1.04
24	22 33.1	0.7	5	0.22	0.02	0.44	1.00
27	22 24.6	0.4	2.5	0.28	0.03	0.18	1.01
29	19 52.3	0.2	0.8	0.09	0.02	0.02	1.08
30	18 39.0	1.2	2.5	0.29	0.02	0.40	1.16
30	19 43.8	0.5	8.2	0.36	0.03	1.06	1.06
30	23 00.3	0.5	0.5	0.05	0.02	0.02	1.02
Sept. 1	00 14.9	0.7	1.3	0.10	0.02	0.09	1.10
1	21 25.0	-	-	0.4:	-	-	1.00
2	23 30	-	>25	>0.3	0.02	>24	1.05
3	00 27.5	0.5	1.0	0.13	0.02	0.06	1.14
5	00 04.2	0.5	1.2	0.19	0.02	0.07	1.12
5	00 35.7	0.2	0.5	0.05	0.02	0.02	1.16
8	18 44.5	0.6	1.5	0.13	0.02	0.05	1.04
8	23 22.0	0.1	1.5	0.08	0.02	0.03	1.01
9	18 25	-	>19	>0.3	0.03	>1.9	1.16
9	20 46.5	1.0	2.5	0.23	0.03	0.25	1.13
9	21 40.2	1.6	7	0.07	0.02	0.29	1.01



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