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EV Lac and UV Cet

Flare stars EV Lac and UV Cet were monitored photoelectrically with the 91-cm reflector of the Okayama Station. We used a new photometer to be described elsewhere for the simultaneous three-color photometry. EV Lac was monitored from 12 to 15 September, 1971, and UV Cet from 11 to 20 October, 1971. The observational results are summarized in Table 1 and 2.

Table 1
 Flares of EV Lac observed at Okayama,
 12 to 15 September, 1971.

Date 1971 Sept	Time of monitoring (UT)	Time of max. (UT)	Flares max. Δm	P	Duration	σ
12 ^d	10 ^h 49 ^m -11 ^h 20 ^m					U 0.14 ^{mag} B) 0.05 V) 0.05
13	10 42 -11 04	U } 10 ^h 44 ^m 5	0.75 ^{mag}	0.3 ^{min}	} 0.8 ^{min}	0.09
		B } 10 ^h 44 ^m 5	0.20	0.1		0.06
		V } 10 ^h 44 ^m 5	0.12	0.1		0.05
	11 26 -12 15					
14	11 07 -11 30					
15	10 43 -14 17	U } 11 31.7	0.66	0.7	2.5	} U 0.16 B 0.06 V 0.04
		B } 11 31.7	0.25	0.1	2.0	
		V } 11 31.7	-	-	-	
		U } 12 03.6	1.39	0.9	3.5	
		B } 12 03.6	0.67	0.3	3.5	
		V } 12 03.6	0.28	0.1	3.0	
15	24 -16 52					

Table 2
Flares of UV Ceti observed at Okayama,
11 to 20 October, 1971

Date 1971 Oct	Time of Monitoring (UT)	Time of max. (UT)	max. Δm	p min.	Dura- tion min.	δ mag.
11 ^d	14 ^h 44 ^m -17 ^h 48 ^m	B 16 ^h 37 ^m 18	0.44	0.12	1.5	0.03
14	14 13 -18 40	B 14 54.8	0.53	0.1	0.5	0.02
		B 14 58.4	0.36	0.1	0.3	
		B 16 36.6	1.88	9.5	13.0	
		B 16 56.2	0.36	0.1	0.4	
		B 17 43.7	1.51	0.8	4.0	
15	13 06 -18 58	U 15 53.6	1.75	7.0	8.0	0.5
		B 15 53.2	0.84	2.2	9.0	0.05
		V 15 54.6	0.22	0.4	8.0	0.03
18	17 30 -18 50					
19	14 38 -18 20	U				U 0.5 B 0.22 V 0.06
		B } 14 47.4	1.63	0.5	0.8	
		B } 14 47.4	0.83	0.3		
		V } 14 47.4	0.26	0.1		
		U } 15 02.5	1.67	2.0	1.8	
		B } 15 02.5	1.58	1.3		
		V } 15 02.5	0.78	0.3		
		U	-	-		
		B } 18 01.7	0.83	0.8	1.5	
		V } 18 01.7	0.26	0.2		
20	12 36 -18 20	U	-	-		
		B } 12 36.7	0.73	0.2	0.8	
		V } 12 36.7	0.27	0.1		
		U	-	-		
		B } 12 40.3	1.23	0.5	1.0	
		V } 12 40.3	0.48	0.2		
		U } 14 05.8	2.12	0.4	0.2	
		B } 14 05.8	1.36	0.3		
		V } 14 05.8	0.44	0.1		
		U } 14 44.1	1.97	-	0.5	
		B } 14 44.1	0.50	0.2	0.3	
		V } 14 44.1	0.21	0.1	0.5	
		U } 15 59.0	3.60	10.0	5.1	
		B } 15 59.0	2.65	8.0		
		V } 15 59.0	1.16	1.8		

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