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Konkoly Observatory
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AD Leo

The photoelectric monitoring of the flare star AD Leo was carried out at the Okayama Station during the period of 18 to 28 February 1972. The observations were made with the simultaneous three-colour photometer attached to the 91 cm reflector.

The observational results are summarized in the Table.

Date 1972	Time of Monitoring (UT)	Filter	Flares			Duration	σ	
			Time of max. (UT)	Δm	P			
Feb. 19 ^d	11 ^h 16 ^m - 12 ^h 16 ^m	U				1.8 min	5.0 min	
		B	11 ^h 21 ^m .8	0.71 mag	0.22	0.3	5.0	} U 0.11 mag B 0.02 V 0.02
		V	-	-	-	-	-	
	U	11 40.5	0.48	0.6	4.5			
	B	-	0.09	0.1	4.5			
	V	-	-	-	-	-		
	14 14 - 17 00	U	14 15.7	2.70	>8.0	>10		} U 0.16 B 0.03 V 0.03
			B		0.92	>0.9	>10	
			V		0.31	>0.3	>6	
		U	15 31.0	2.56	7.0	15		
			B		0.88	0.8	15	
			V		0.29	0.3	15	
		U	16 45.5	1.98				
			B	16 45.5	0.57			
			V	16 45.7	0.18	U > 21.4 > 22		
					B > 3.2 > 22			
			16 46.1	1.90	V > 1.2 > 22			
			16 46.1	0.58				
	16 46.2	0.20						
20	10 39 - 12 00							
	12 26 - 13 00							
	13 38 - 14 05							
15 06 - 15 34								
17 07 - 17 36	U		0.92	1.7	4.0	0.16		
	B	17 29.7	0.20	0.3	4.0	0.05		
	V		0.05	0.1	1.8	0.02		

(continued)

Feb. 23 ^d	11 ^h 07 ^m - 17 ^h 11 ^m	U							
		B	11 ^h 33 ^m .7	1.47	8.3	15.0	0.20		
		V		0.15	0.5	14.0	0.02		
		13 47.6	U	0.62	1.0	7.0	0.16		
	B		0.10	0.2	5.7	0.03			
	V		0.04	0.1	0.6	0.02			
		14 59.8	U	1.27					
	B		0.22						
	V		0.08						
		15 00.4	U	1.25	U 5.7	13.0	0.23		
	B		0.22	B 0.4	12.0	0.03			
	V		-	V 0.1	4.0	0.02			
		15 00.8	U	1.13					
	B		0.21						
	V		-						

28 11 01 - 12 14
13 00 - 18 23

Tokyo Astronomical Observatory
31 March 1972.

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