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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 27 January to 21 March 1973. The observations were made with the simultaneous three-color photometer attached to the 91 cm reflector. The observational results are summarized in the Table.

Tokyo Astronomical Observatory
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K. OSAWA
K. ICHIMURA
Y. SHIMIZU
T. OKADA
K. OKIDA
M. YUTANI
H. KOYANO

Flares of AD Leo observed at Okayama,
27 to 31 January and 8 to 21 March 1973.

Date 1973	Time of Monitoring (UT)	Fil- ter	Time of Max (UT)	Flares		P	d_b	d_a	σ	Wea- ther
				$\frac{I_{\text{off}} - I_0}{I_0}$	Max. Δm mag					
Jan. 27 ^d	12 ^h 23 ^m - 14 ^h 35 ^m	U	15 ^h 23 ^m .2	7.69	2.35	U > 27.2 ^{min} B > 3.9 V > 1.2	0.9	>15.8	0.12 ^{mag}	1~4
		B		0.98	0.75		0.7	>15.8		
		V		0.25	0.25		0.7	>15.8		
	14 57 - 15 39	U	15 26.2	3.07	1.53		-	-	0.04	
		B		0.46	0.41		-	-		
		V		0.13	0.14		-	-		
	16 30 - 18 23	U	18 04.1	1.34	0.92	>2.7 >0.2	1.7	>5.4	0.02	3
		B		0.22	0.21		1.7	>5.4		
		V		-	-		-	-		
28	13 37 - 15 07 15 52 - 19 55	U	19 28.1	1.87	1.11	>1.40 >0.10	0.8	>2.2	0.14 0.05 0.02	4
		B		0.17	0.20		0.4	>0.8		
		V		-	-		-	-		
29	11 35 - 12 24 12 30 - 12 53	U	15 22.5	0.30	0.28	0.21 0.03	0.4	2.1	0.10 0.03 0.02	1
		B		0.04	0.04		0.2	1.8		
		V		-	-		-	-		
30	12 05 - 19 17	U	17 02.6	0.65	0.54	0.77 0.11 0.04	0.6	4.1	0.11 0.03 0.02	0
		B		0.10	0.10		0.6	3.2		
		V		0.03	0.03		0.4	2.4		
Mar. 8	11 00 - 16 43	U	13 51.7	0.73	0.60	1.00 0.25 0.03	0.7	5.1	0.10 0.03 0.01	1
		B		0.18	0.18		1.1	5.7		
		V		0.03	0.03		0.8	1.4		
	16 05.5	U	16 05.5	0.95	0.73	1.21 0.08 0.04	0.4	5.0	0.12 0.04 0.02	1
		B		0.11	0.11		0.3	3.7		
		V		0.04	0.04		0.4	1.8		
	16 40.4	U	16 40.4	3.80	1.70	>5.47 >0.64 >0.05	1.1	>2.6	0.13 0.03 0.02	3~4
		B		0.70	0.58		0.9	>2.4		
		V		0.12	0.12		0.5	>0.7		
10	10 40 - 18 13	U	12 05.6	0.51	0.45	1.94 0.18 0.16	1.2	5.3	0.20 0.04 0.03	2
		B		0.06	0.06		0.6	5.0		
		V		0.03	0.03		1.4	5.0		
	15 13.1	U	15 13.1	0.50	0.44	0.39 0.08	0.2	2.3	0.12 0.04 0.02	1
		B		0.08	0.08		0.2	1.9		
		V		-	-		-	-		
18	10 46 - 14 31	U	13 33.2	1.12	0.82	0.30 0.04	0.2	0.4	0.44 0.08 0.02	1
		B		0.21	0.21		0.2	0.2		
		V		-	-		-	-		
19 21	11 44 - 18 39 10 32 - 11 18	U	11 03.8	0.85	0.67	0.58 0.03	0.2	2.0	0.16 0.04 0.02	1
		B		0.08	0.08		0.3	0.5		
		V		-	-		-	-		
	12 58 - 18 00	U	13 18.3	0.85	0.67	0.25 0.06	0.2	0.7	0.42 0.06 0.02	1
		B		0.09	0.09		0.2	0.7		
		V		-	-		-	-		
	16 33.1	U	16 33.1	0.58	0.50	0.20 0.03	0.4	0.6	0.02	1
		B		0.14	0.14		0.3	0.4		
		V		-	-		-	-		

Weather; 0= very clear, 1= clear, 2= some thin clouds, 4= some clouds.