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PHOTOELECTRIC OBSERVATIONS OF AD Leo

Photoelectric monitoring of the star AD Leo was carried out in the time interval 10 - 22 February 1972 (IBVS 605). The observations were effectuated on the 40 cm reflector of the Byurakan Observatory with a  $\phi$ JY -79 photomultiplier and a corresponding B filter. The pulse counting technique with continuous registration on the recorder chart was applied.

The observational data (IBVS 488) are presented in Table I.

The light curves of the observed flares are given in the figures. The ordinate is given in the units of  $X_f/\bar{X}_S$ .

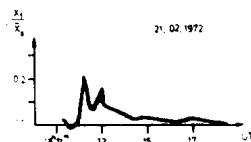
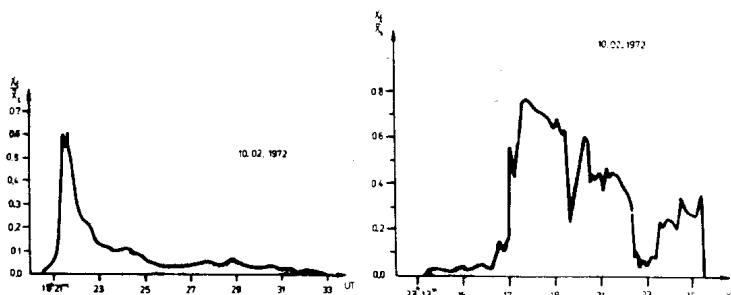


Table I

Date UT	Coverage UT	UT <sub>max</sub>	t <sub>b</sub>	t <sub>a</sub>	$\frac{XfM}{\bar{X}_s}$	$\frac{\sigma}{\bar{X}_s}$	P	F(z)	Notes
Feb. 1972									
10	1730-1800					0.010			
	1802-2300	18 <sup>h</sup> 21 <sup>m</sup> 6	0.87	10.8	0.61	0.010	1.09	1.57	
		22 17.8	1.5	7.6	0.77	0.010	3.5	1.07	
11	1800-1912					0.012			
	1920-1930					0.012			
	2015-2035					0.012			
	2104-2330					0.012			
	2332-2400					0.012			
12	0000-0100					0.012			
	1923-2052					0.023			
13	2100-2400					0.015			
14	0000-0200					0.014			
15	1733-1837					0.015			
	1933-2056	20 39.8	0.5	1.5	0.08	0.015	0.044	1.09	
	2205-2214					0.015			
19	2030-2400					0.035			1
20	0000-0031					0.025			1
	1809-2208	21 36.3	0.15	14.5	0.10	0.012	0.65	1.08	
	2212-2253					0.012			
	2256-2308					0.012			
	2348-2400					0.012			
21	0000-0032					0.012			
	1744-1855	18 12.2	0.20	6.0	0.22	0.014	0.29	1.40	
	1948-2037					0.014			
	2045-2400					0.014			
22	0000-0024					0.033			1
	1800-2005					0.032			1
	2104-2200					0.011			
	2201-2400					0.010			
23	0000-0130					0.008			

Total coverage 2495 minutes.

Notes:

1.-Poor weather conditions. Clouds.

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