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AD LEONIS, FEBRUARY 15-21, 1971

A continual photoelectric monitoring of the flare star AD Leo was done with the 91<sup>cm</sup> reflector of the Okayama Station from 15 to 21 February 1971.

During the 29.4 hours of monitoring in the magnitude B, 2 flares were observed as shown in the following table:

Date 1971	Time of Monitoring (UT)	Time of Max. (UT)	Flares $\Delta m(B)$	Dura-		$\sigma$ mag.
				P min.	tion min.	
Feb. 15	11 <sup>h</sup> 42 <sup>m</sup> -20 <sup>h</sup> 00 <sup>m</sup>					0.01
16	17 00 -18 16					0.02
17	10 36 -16 19	11 <sup>h</sup> 39 <sup>m</sup> 7	0.13 <sup>mag</sup>	0.1	0.5	0.02
18	10 43 -19 30	13 02.6	0.97	2.7	26	0.01
19	17 36 -20 02					0.03
20	14 47 -17 41					0.02

$$\Delta m(B) = 2.5 \log (I_{0+f_{\max}} / I_0)$$

$$P = \int (I_{0+f} - I_0) / I_0 \cdot dt$$

$$\sigma(\text{mag}) = 2.5 \log (I_0 + \sigma) / I_0$$

Tokyo Astronomical Observatory  
 25 February 1971.

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