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AD Leo

A continual photoelectric monitoring of the flare star AD Leo was done with the 30 cm reflector of the Okayama Station from 1 to 14 March 1970. During the 29 hours of monitoring in the magnitude B, 2 flares were observed as shown in the following table.

Date 1970 March	Time of Monitoring (UT)	Time of max. (UT)	Flares $m_f(B)$	P	Dura- tion	σ
1	12h38m-18h30m					0.08 ^{mag}
4	10 10 -12 29	11h03m9	0.33 ^{mag}	0.5 ^{min}	3 ^{min}	0.07
	13 02 -14 24					0.06
	15 13 -16 18	15 25.4	>2.5	>71	52	cloudy
	17 33 -18 24					0.07
6	11 56 -17 07					0.06
7	10 20 -16 52					0.09
8	11 53 -18 08					0.05
10	16 26 -17 45					cloudy

The definition of $m_f(B)$, P and σ are as follows:

$$m_f(B) = m_0 - 2.5 \log I_{0+f}/I_0$$

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

$$\sigma (\text{mag}) = 2.5 \log (I_{0+} / I_0)$$

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