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YZ CMi

A photoelectric monitoring of the flare star YZ CMi was done with the 91<sup>cm</sup> reflector of the Okayama Station from 20 to 31 January 1971.

During the 34.5 hours of monitoring in the magnitude B, 20 flares were observed as shown in the following Table.

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

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

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

Tokyo Astronomical Observatory  
17 February 1971.

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Flares of YZ CMi observed at Okayama,  
20 to 31 January, 1971.

Date 1971	Time of Monitoring(UT)	Time of max.(UT)	Flares		Dura- tion		
			$\Delta m(B)$	P	min	min	mag
Jan. 22	13h29m-15h20m	14h07m	0.14	0.2	3	0.05	mag
	16 28 -19 07	18 00.4	0.64	2.3	11	0.05	
23	10 46 -15 51	11 31.6	0.18	0.14	5	0.05	
		14 31.0	0.27	2.6	23	0.05	
		14 45.2	0.37				
	16 05 -19 26						
25	13 08 -19 10	14 36.4	0.44	1.3	23	0.05	
		16 18.6	0.26	0.5	12	0.04	
		17 35.8	0.29	0.3	10	0.04	
27	10 08 -18 43	10 27.3	0.21	0.2	3	0.07	
		12 53.2	0.16	0.2	4	0.05	
		13 24.3	0.39	0.2	4	0.05	
		15 23.3	0.34	1.1	5	0.04	
		15 24.4	0.85				
		16 10.3	0.22	0.1	1	0.04	
		17 09.9	0.63	0.3	3	0.04	
29	15 20 -16 07	15 35.1	0.61	1.7	13	0.03	
30	10 25 -13 34	12 39.0	0.16	0.1	2	0.03	
		12 54.0	0.32	0.5	6	0.03	
31	11 48 -12 20	11 49.3	0.12	0.2	2	0.04	
	12 50 -13 20	13 01.3	>1.97	>20	>18	cloudy	
	15 54 -16 04					0.05	
	16 10 -16 37					0.05	
	16 43 -17 40					0.05	