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PHOTOELECTRIC OBSERVATIONS OF YZ CMi

According to the proposition of the "working group" (IBVS 605) photoelectric monitoring of the star YZ CMi was carried out in the time interval 9 - 23 January 1972. The observations were effectuated on the 40 cm reflector of the Byurakan Observatory with a ϕ 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 the Table.

Date	Coverage	UT _{max}	t _b	t _a	X _{fM}	$\frac{\sigma}{\bar{X}_s}$	P	F(z)	Notes
UT	UT				\bar{X}_s	\bar{X}_s			
1972									
18-I	1700-1744					0.031			
	1747-1800					0.031			
	1902-2140					0.031			
	2240-2400	23 ^h 26 ^m 5	0.3	0.6	0.41	0.031	0.15	1.56	1
		23 27.5	0.2	0.9	0.19	0.031	0.08	1.56	1
19-I	1715-1800					0.035			
	1848-1930					0.035			
	1940-2033					0.035			
	2041-2141					0.035			
	2147-2224					0.035			
	2241-2400					0.035			
20-I	1716-1815					0.061			2
	1840-1930					0.061			2
	1935-2030					0.061			2
	2036-2154					0.061			2
	2156-2229					0.061			2
	2231-2300					0.061			2
	2330-2400	23 57.7	0.45	0.35	0.36	0.061	0.11	1.80	1,2
		23 58.5	0.60	0.45	0.39	0.061	0.21	1.80	1,2
		23 59.7	0.25	0.80	1.10	0.061	0.21	1.80	1,2
21-I	0000-0010	00 01.1	0.3	0.2	0.20	0.061	0.05	1.80	1,2
23-I	1859-2100					0.044			3
	2102-2400					0.040			

Total coverage 1282 minutes.

Notes:

- 1.-Flare of a complex structure. The division on several flares is done according to the criteria accepted in the reference(1).
- 2.-Very poor weather conditions.
- 3.-Until UT 21^h20^m poor weather conditions.

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

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Reference

- 1.-Oskanian V. and Terebizh V. 1971, *Astrofizika* vol.7, No. 1, pg 83.

