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PHOTOELECTRIC OBSERVATIONS OF THE FLARE STAR YZ CMi DURING  
 THE 1971 JANUARY 16 - FEBRUARY 2 INTERNATIONAL PATROL

The preliminary results of YZ CMi photoelectric observations carried out at the stellar station of the Catania Astrophysical Observatory according to the observing schedule proposed by the IAU Working Group on Flare Stars (Andrews, et al. 1971), are here presented.

Table 1		Detailed coverage			Total coverage	3σ/I <sub>0</sub>
Date	Tel.	Light	Coverage (U. T.)			
1971						
Jan. 27-28	61/3c	u' -b-v	20 <sup>h</sup> 26 <sup>m</sup> -2042; 2044-2109; 2111-2117; 2129-2158; 2204-2216; 2237-2301; 2303-2316; 2318-2330; 2332-2345; 2347-2400; 0000-0001; 0003-0019; 0021-0037; 0039-0130; 0133-0149; 0151-0211	283 <sup>m</sup>	0.15(u')	0.15(u')
28-29	"	u' -b-v	2157-2209; 2212-2221; 2231-2303; 2305-2332; 2335-2400; 0000-0149; 0154-0208	228	0.16(u')	0.02(b) 0.01(v)
Feb. 12-13	"	b-v	1950-2001; 2008-2017; 2028-2039; 2044-2101; 2104-2116; 2122-2135; 2213-2224; 2314-2318; 2327-2336; 2341-2353; 2356-2400; 0000-0004; 0012-0023; 0026-0030	132	0.14(b)	0.04(v)
22	91	b	2239-2310	031		
Mar. 20	61	u' -b-v	1926-1936; 1952-2005; 2007-2020; 2024-2040; 2101-2115; 2117-2139; 2145-2153; 2200-2211; 2222-2240; 2250-2256; 2304-2311; 2317-2326; 2330-2337	154	0.10(u')	0.02(b) 0.02(v)

Table 2 Characteristics of Observed Flare (Tel. 61 cm)

Light	$t_{\max}$ (U.T.)	$d_b$	$d_a$	$3\phi/I_o$	$(I_f/I_c)_{\max}$	P	Air mass	sky
u'	1971	-	-	0.17	-	-	1.10	0
b	Jan. 29 00 <sup>h</sup> 04 <sup>m</sup> .4	0.8	35.5	0.03	3.31	7.44	1.10	0
v	00 04 .3	0.5	28.8	0.02	0.79	2.00	1.10	0

In Table 1 the detailed coverage and in Table 2 the characteristics of the observed flare are given. The w, b and v light curves of the observed flare are shown in Figure 1.

The explanations of symbols used and details of the observing equipment can be found in a preceding number of this Bulletin (Cristaldi and Rodonó, 1971).

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May 5, 1971

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#### References

- Andrews, A. D., Chugainov, P. F., Kellogg, E. M., Oskanian, V. S. 1971, Comm. 27 IAU, Inf. Bull. var. Stars No. 516
- Cristaldi, S., Rodonó, M. 1971, Comm. 27 IAU, Inf. Bull. var. Stars No. 525

