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VISUAL OBSERVATIONS OF YZ CANIS MINORIS

The flare star, YZ CMi, was observed visually for 10 hours during the January 1969 international programme using the Armagh 10-inch refractor. Estimates of brightness were made at about one minute intervals using Pickering's fractional method, and the photo-visual sequence given by Mosidze and Chuadze (Ref.1) was utilized in the magnitude reductions.

One flare of 1.7 magnitude and 30 minute duration was detected on Jan.19 at 2^h0^m.2 U.T. Extrapolation of the sequence during the flare maximum was made using the star, HD 62525, at 8^m5 (Ref.2). A visual light curve of the flare is shown, being the result of two independent observers (A,P). Hours of coverage are given in the Table, where parentheses indicate poor sky conditions.

Hours of Coverage

1969	U.T.	Observers
Jan, 14	2325 - 2400	A,C,P
15	0000 - 0210, (0210 - 0303)	A,C,P
16	(2002 - 2020)	A,H,P
18	1945 - 2033, 2048 - 2118,	A,C,J2,P
	2142 - 2219, 2238 - 2311,	A,C,J2,P
	2315 - 2326, 2332 - 2400	A,C,J2,P
19	0000 - 0251	A,C,J2,P

Total coverage 9^h56^m over 3 nights

A.D.ANDREWS. P.CORVAN, B.HARDY,
 P. and W.JOHNSTON, J.PERROTT
 Armagh Observatory

- 1) L.N. Mosidze and A.D. Chuadze, Abastumani Obs.Bull.32, p.21, 1965.
- 2) A.J.Cannon and E.C.Pickering, Harvard Annals Vol.93, 1919.

Visual Flare YZ CMi
1969 JAN 19 2^h 02^m U.T.

