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PHOTOELECTRIC OBSERVATIONS OF TX CANCRI

The eclipsing variable TX Cancri was observed with the 36 inch reflectors at the Okayama Astrophysical Observatory and the Dodaira Station of Tokyo Astronomical Observatory on sixteen nights during the winters of 1962-63, 1964-65, 1965-66, 1967-68 and 1970-71. BD +19°2067 was used as the comparison star. The standard UBV colour filters and three narrow-band filters ( $\lambda_{\text{eff}} = 4870, 4110, 3940\text{\AA}$ ) were used. The observed dates are shown in the following table.

Date	Observing Place	Colour	Filters used	Interference
1962 Dec. 12	Okayama	V		
Dec. 13	Okayama	UBV		
1965 Jan. 13	Dodaira	BV		
Jan. 14	Dodaira	BV		
Nov. 30	Dodaira	UBV		
Dec. 21	Dodaira	UBV		
1966 Jan. 15	Dodaira	UBV	4870, 4110, 3940A	
Jan. 17	Dodaira	UBV	4870, 4110, 3940A	
Jan. 27	Dodaira	UBV	4870, 4110, 3940A	
Feb. 17	Dodaira	UBV		
1968 Mar. 4	Dodaira	(without filter)		
Mar. 5	Dodaira	(without filter)		
Mar. 6	Dodaira	(without filter)		
Mar. 7	Dodaira	(without filter)		
1971 Feb. 4	Okayama	BV		
Feb. 5	Okayama	BV		

Times of the observed minima and the corresponding O-C residuals from the elements JD 2434426.4773+0<sup>d</sup>.38288057E (Catalogue of Variable Stars 1971) are as follow:

J.D. Hel.	E	O-C
2438011.200	9362.5	+0.003
8012.156	9365	0.002
8774.0915	11355	0.0053
8774.2809	11355.5	0.0033
8775.0463	11357.5	0.0029
8775.2385	11358	0.0037
9095.3310	12194	0.0080
9141.0843	12313.5	0.0061
9141.2748	12314	0.0059
9142.9995	12318.5	0.0079
9143.1885	12319	0.0054
9153.1450	12345	0.0070
9920.0547	14348	0.0070
9921.9703	14353	0.0082
9922.1600	14353.5	0.0064
2440986.9551	17134.5	0.0107
0987.1453	17135	+0.0095

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