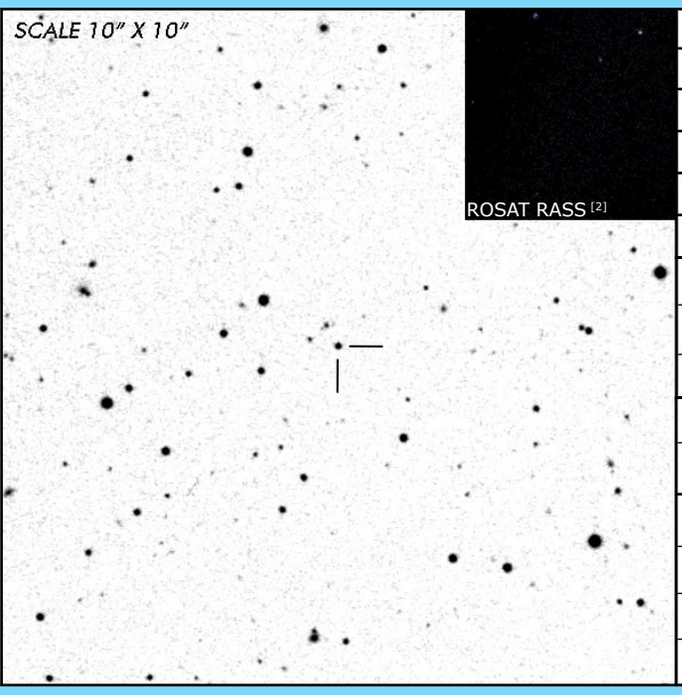
BS Tri

Short Period Eclipsing Polar

OBSERVATION DATA



OTHER NAME(S): RX J0209.4+2832; 1RXS J020928.9+283243				
FOUND: ROSAT 2001				
RIGHT ASCENSION [1]	$02^h\ 09^m\ 29.810^s$	**DECLINATION** [1]	+28° 32′ 29.157″	
PARALLAXES (*mas*) [1]	3.6192 ± 0.1068	**DISTANCE (*pc*)** [3]	277.117	
DISTANCE BOUNDARIES (pc) [3]		Lower = 269.724	Upper = 285.356	
MAGNETIC FIELD (*MG*)	$B_{(1)}$ = 22.3	$B_{(2)}$ = 23.1	**WD Mass ($M_\odot$)**	0.60

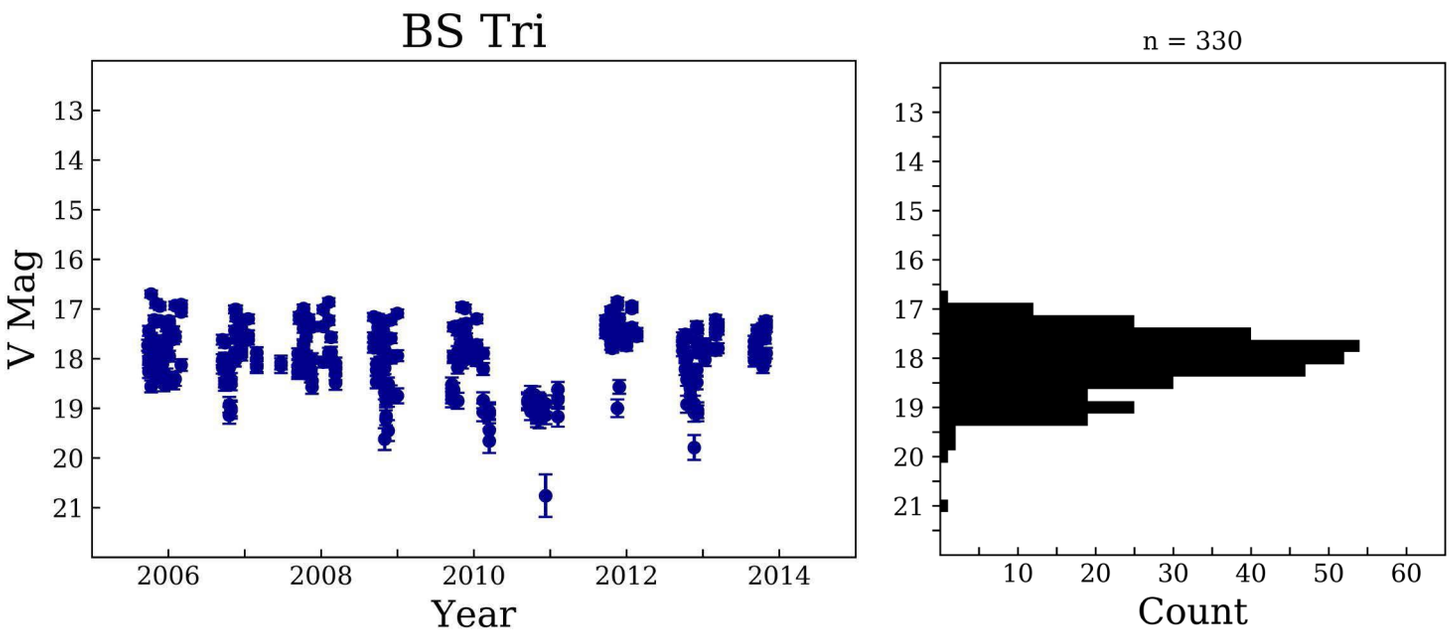
ORBITAL PERIOD & SPIN PERIOD		
DAYS	**HOURS**	**MINUTES**
0.06686	1.6045	96.271

OPTICAL (CRTS MAGNITUDE)			
V_{HIGH} = 16.75	V_{LOW} = 20	$V_{(MODE\ 1)}$ = 17.75	...

OTHER INFORMATION			

SUMMARY

CRTS PHOTOMETRY



EXTERNAL LINKS

STScI Sky Survey

SIMBAD

REFERENCES

[1] Gaia Collaboration et al. (2018b): Summary of the contents and survey properties
[2] HEASARC Skyview: ROSAT All-Sky
[3] Bailer-Jones et al. 2018, "Estimating Distance from Parallexes, IV. Distances to 1.33 Billion Stars in Gaia Data Release 2", ApJ, Vol. 156, 58
[4] Wu, J. et al. 2001, "Two Cataclysmic Variables Identified from ROSAT Bright Sources", ChJAA, Vol. 1, p. 57-59
[5] Denisenko. D. V. et al. 2006, "Deep Eclipses in the Cataclysmic Variable 1RXS J020929.0+283243", AstL, Vol. 32, p. 252-256
[6] Barrett, P. et al. 2020, "Radio Observations of Magnetic Cataclysmic Variables", ASR, Vol. 66, Iss. 5, p. 1226-1234
[7] Barrett, P. E. et al. 2017, "A Jansky VLA Survey of Magnetic Cataclysmic Variable Stars. I. The Data", AJ, Vol. 154, Iss. 6, 252
[8] Kolbin, A. I. et al. 2022, "On Accretion in the Eclipising Polars BS Tri", MNRAS, Vol. 511, Iss. 1, pp. 20-30
[9]