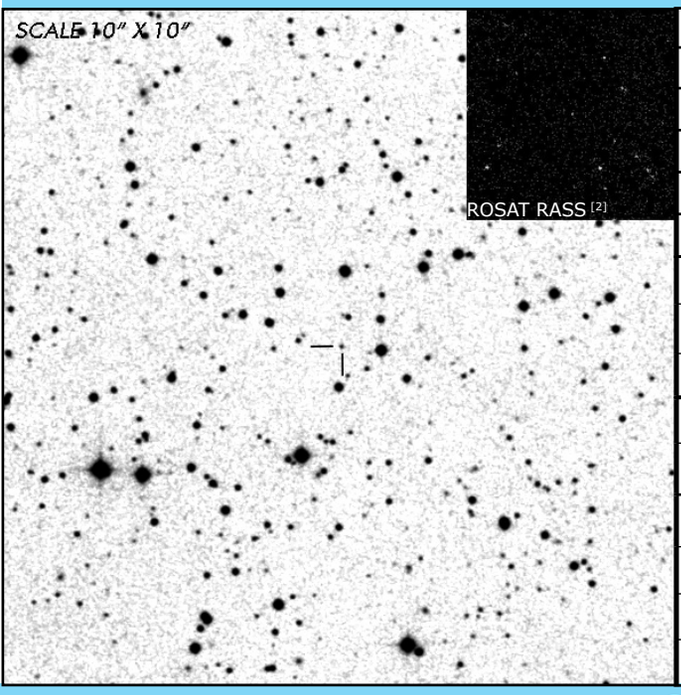
J0502.8+1624

Long Period Synchronous Polar

OBSERVATION DATA



OTHER NAME(S): RX J0502.8+1624; Tau 4; 1RXS J050250.6+16242				
FOUND: ROSAT 2016				
RIGHT ASCENSION [1]	$05^h\ 02^m\ 50.949^s$	**DECLINATION** [1]	+16° 24′ 21.841″	
PARALLAXES (*mas*)	4.629 ± 0.252	**DISTANCE (*pc*)** [1]	217.082	
DISTANCE BOUNDARIES (pc)		Lower = 206.802	Upper = 230.276	
MAGNETIC FIELD (*MG*)		$B_{(1)}$ = 7	$B_{(2)}$ = 11	**W_D MASS (MΘ)** ...

ORBITAL PERIOD & SPIN PERIOD		
DAYS	**HOURS**	**MINUTES** [3]
0.12941	3.1059	186.3528

OPTICAL (CRTS MAGNITUDE)			
V_{HIGH} = 16.5	V_{LOW} = 17	V_{MODE} = 15.5	...

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] Bailer-Jones et al. 2018, "Estimating Distance from Parallaxes, IV. Distances to 1.33 Billion Stars in Gaia Data Release 2", ApJ, Vol. 156, 58
[3] HEASARC Skyview: ROSAT All-Sky
[4] Motch, C. et al. 1996, " New Cataclysmic Variables from the ROSAT All-Sky Survey.", A&A, Vol. 307, p. 459
[5] Howell, S. B. et al. 2008, "Optical and Infrared Observations of Two Magnetic Interacting Binaries: Tau 4 (RXJ0502.8+1624) & SDSS J121209.31+013627.7", AJ, Vol. 136, Iss. 6, pp. 2541
[6] Harrison, T. E. 2018, "The Magnetic Field Strength and Probable Orbital Period for the Polar RX J0502.8+1624", RNAAS, Vol. 2, Iss. 2
[7] Barrett, P. E. et al. 2017, "A Jansky VLA Survey of Magnetic Cataclysmic Variable Stars. I. The Data", ApJ, Vol. 154, Iss. 6, pp. 9
[8] Ridder, M. E. et al. 2023, "Radio Detections of Two Unusual Cataclysmic Variables in the VLA Sky Survey", MNRAS, Vol. 519, Iss. 4, pp. 5922-5930
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