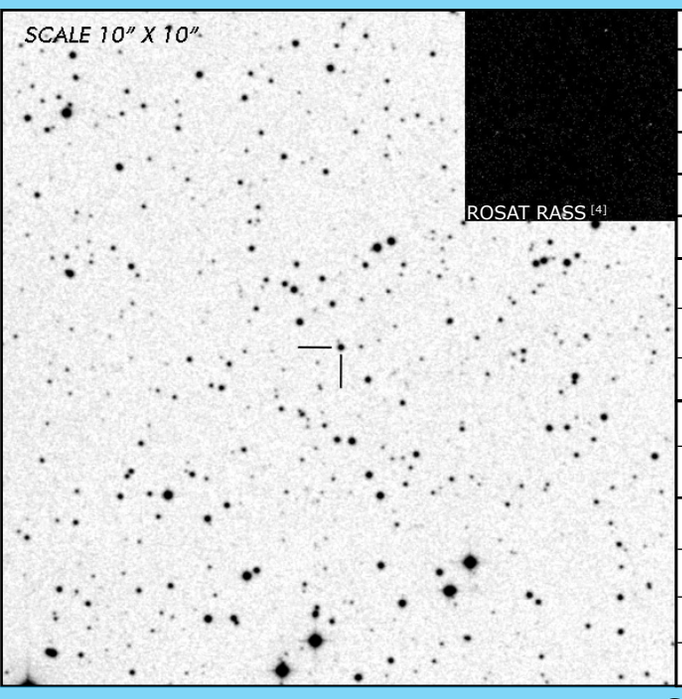
V1062 Tau

Long Period Intermediate Polar

OBSERVATION DATA



OTHER NAME(S): H 0459+246; SWIFT J0502.7+2445			
FOUND: HEAO 1984			
RIGHT ASCENSION [1]	$05^h\ 02^m\ 27.478^s$	**DECLINATION** [1]	+24° 45′ 23.158″
PARALLAXES (*mas*) [1]	0.7917 ± 0.0492	**DISTANCE (*pc*)** [2]	1222.433
DISTANCE BOUNDARIES (pc) [2]		Lower = 1150.747	Upper = 1310.241
W_D MASS ($M_\odot$)	0.72	**MAGNETIC FIELD (*MG*)**	B_1 =45 ...

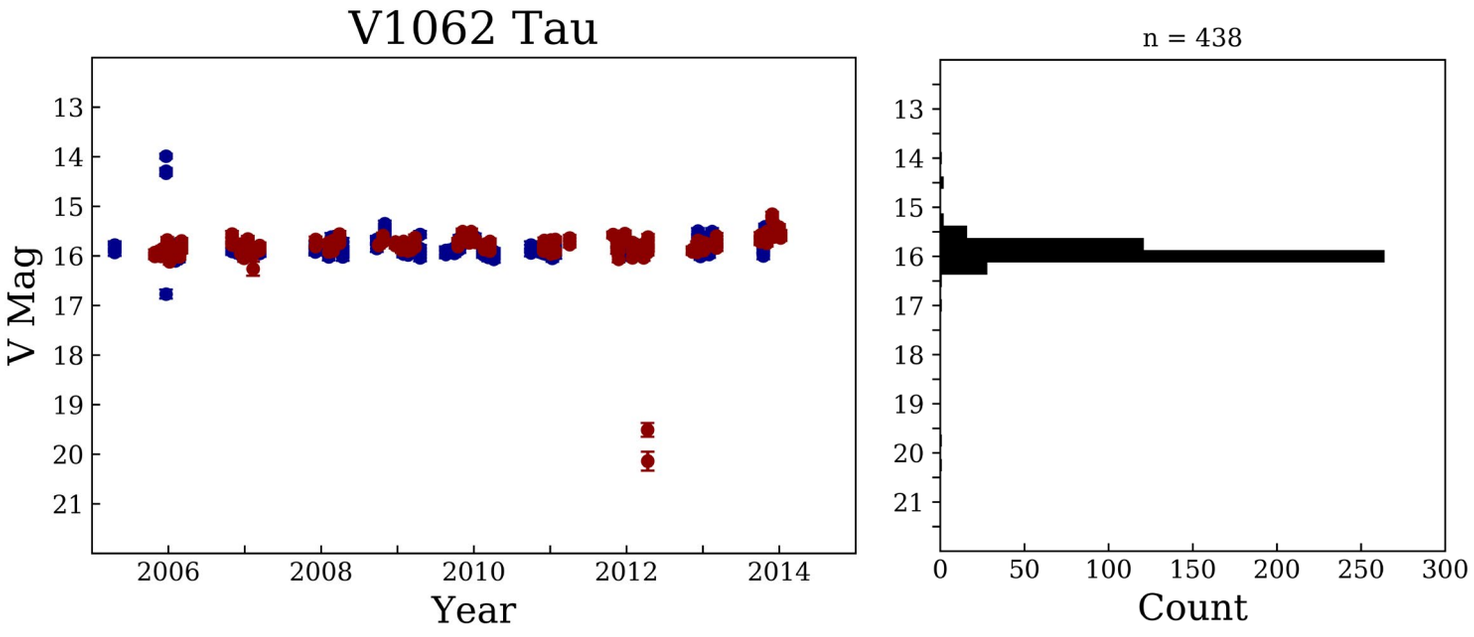
ORBITAL PERIOD (P_O) [3]			**SPIN PERIOD (P_S)** [3]		
DAYS	**HOURS**	**MINUTES**	**HOURS**	**MINUTES**	**SECONDS**
0.4159	9.982	598.9332	1.05	63.0	3780.0

OPTICAL (CRTS MAGNITUDE)			
V_{HIGH} = 15.25	V_{LOW} = 16.25	V_{MODE} = 16	...

OTHER INFORMATION	
$Temp_{WD}$ = 18,300 ± 5,800 K	

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 Parallaxes, IV. Distances to 1.33 Billion Stars in Gaia Data Release 2", ApJ, Vol. 156, 58
[4] Koji, Mukai 2014, The Catalog of IPs and IP Candidates by Right Ascension
[5] Wood, K. S. et al. 1984, "The HEAO A-1 X-ray Source Catalog.", ApJS, Vol. 56, p. 507
[6] Downes, R. A. and Shara, M. M. 1993, "A Catalog of Cataclysmic Variables", PASP, V. 105, p. 127
[7] Hellier, C. et al. 2002, "The Spin Pulse of the Intermediate Polar V1062 Tauri", A&A, Vol. 389, p. 904
[8] Brunschweiger, J. et al. 2009, "Intermediate Polars in the Swift/BAT Survey: Spectra and White Dwarf Masses", A&A, Vol. 496, Iss. 1, pp. 121
[9] Thorstensen, J. R. et al. 2010, "Optical Studies of 20 Longer-Period Cataclysmic Binaries", PASP, Vol. 122, Iss. 897, pp. 1285
[10] Suleimanov, V. F. et al. 2019, "Hard X-ray View on Intermediate Polars in the Gaia Era", MNRAS, Vol. 482, Iss. 3, p. 3622
[11] Shaw, A. W. et al. 2020, "Measuring the Masses of Magnetic White Dwarfs: A NuSTAR Legacy Survey", MNRAS, Vol. 498, Iss. 3, pp. 3457
[12] Suleimanov, V. F. et al. 2022, "Hard X-ray Luminosity Functions of Cataclysmic Variables: Joint Swift/BAT and Gaia Data", MNRAS, Vol. 511, Iss. 4, pp. 4937-4945
[13] Schwope, A. D. 2018, "Exploring the Space Density of X-ray Selected Cataclysmic Variables", A&A, Vol. 619, pp. 5
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