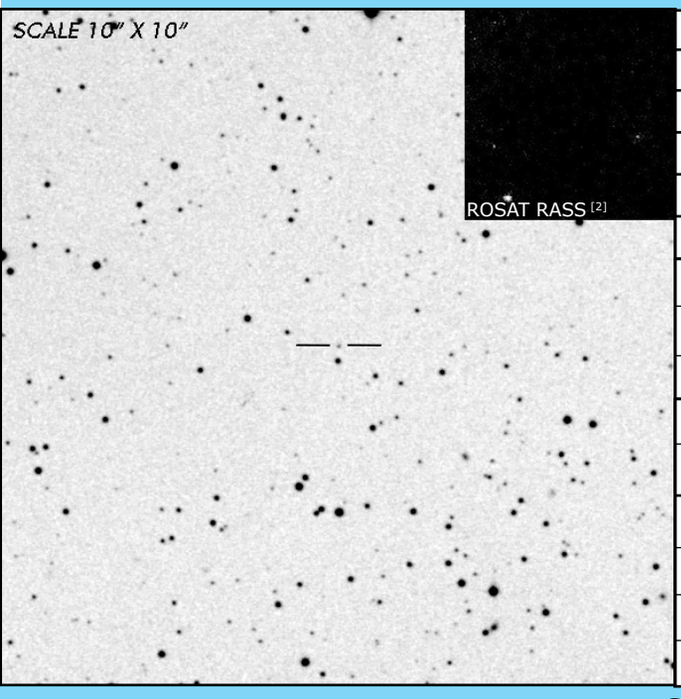
J035011+3232

Eclipsing Period Gap Polar

OBSERVATION DATA



OTHER NAME(S): CRTS CSS091218 J035011+323230; CSS0350+3232				
FOUND: CRTS 2013				
RIGHT ASCENSION [1]	$03^h\ 50^m\ 10.71^s$	**DECLINATION** [1]	+32° 32′ 29.6″	
PARALLAXES (*mas*)	1.728 ± 0.274	**DISTANCE (*pc*)** [1]	647.302	
DISTANCE BOUNDARIES (pc)		Lower = 534.593	Upper = 792.659	
MAGNETIC FIELD (*MG*)		...	...	**W_D MASS (MΘ)** 0.948

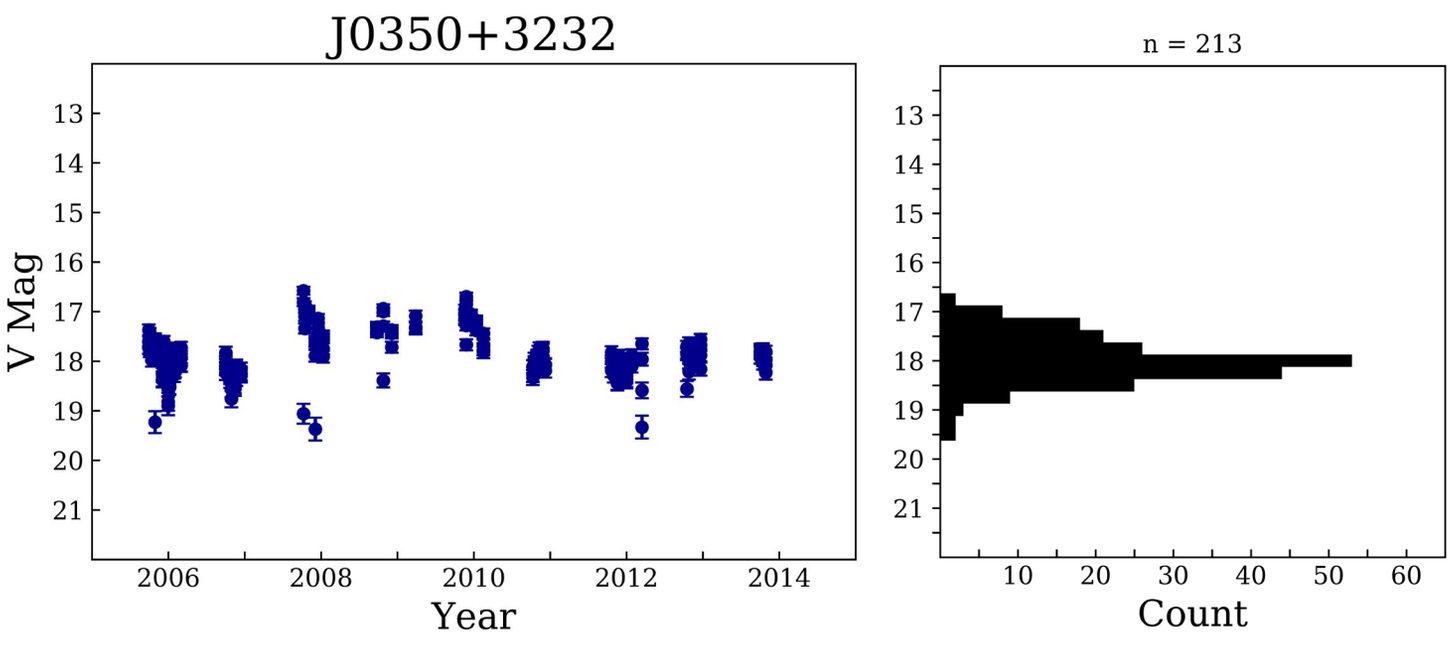
ORBITAL PERIOD & SPIN PERIOD		
DAYS	**HOURS**	**MINUTES** [3]
0.09882	2.37174	143.3008

OPTICAL (CRTS MAGNITUDE)			
V_{HIGH} = 16.75	V_{LOW} = 19.5	V_{MODE} = 18	...

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 Parallexes to 1.33 Billion Stars in Gaia Data Release 2", ApJ, Vol. 156, 58
[3] Mason, P. A. et al. 2019, "CRTS J035010.7+323230, a new eclipsing polar in the cataclysmic variable period gap.", MNRAS 488, 2881M
[4] HEASARC Skyview: ROSAT All-Sky
[5] Drake, A. J. et al. 2014, "Cataclysmic Variables from the Catalina Real-Time Transient Survey", MNRAS, Vol. 441, Iss. 2, p. 1186-1200
[6] Sparks, Warren M. et al. 2021, "Nova-produced Common Envelope: Source of the Nonsolar Abundances and an Additional Frictional Angular Momentum Loss in Cataclysmic Variables", ApJ, Vol. 914, Iss. 1, pp. 16
[7]
[8]
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