



HS 0922+1333

Period Gap
Pre-Polar

OBSERVATION DATA

SCALE 10" X 10"

ROSAT RASS ^[5]

OTHER NAME(S): CRTS J092455.9+132052

FOUND: HS 2005

RIGHT ASCENSION ^[1]

09^h 24^m 55.93^s

DECLINATION ^[1]

+13° 20′ 52.19″

PARALLAXES (mas) ^[2]

6.063 ± 0.085

DISTANCE (pc) ^[3]

163.925

DISTANCE BOUNDARIES (pc) ^[3]

Lower = 161.624

Upper = 166.157

MAGNETIC FIELD (MG)

B₍₁₎=66

B₍₂₎=81

WD MASS (e)

0.71

ORBITAL PERIOD & SPIN PERIOD

DAYS

HOURS

MINUTES

0.16831

4.0395

242.369

OPTICAL (CRTS MAGNITUDE)

V_{HIGH} = 16.25

V_{LOW} = 16.75

V_(MODE 1) = 16.5

...

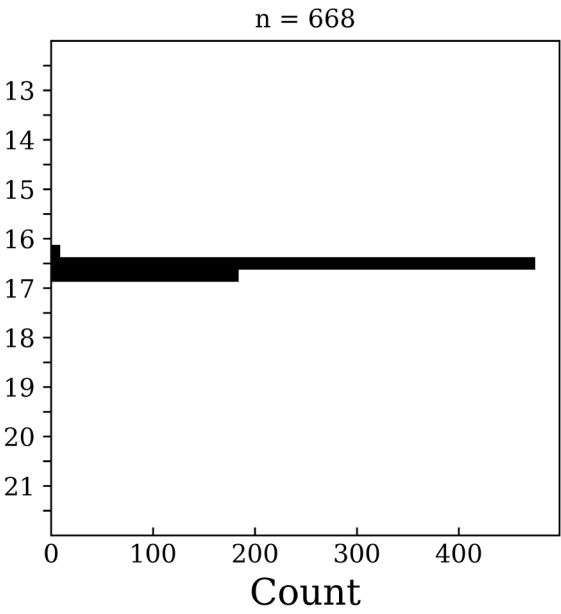
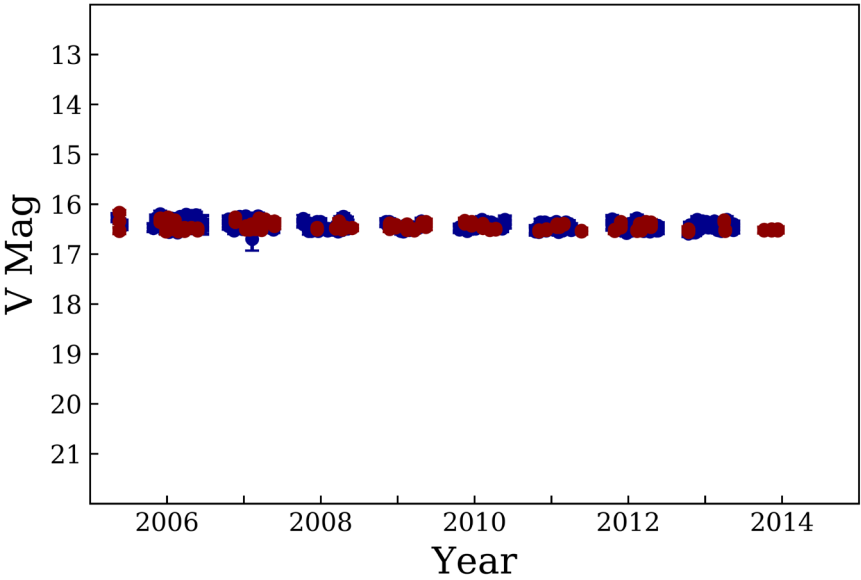
OTHER INFORMATION

Temp_{WD} < 8,500 K

SUMMARY

CRTS PHOTOMETRY

HS0922+1333



EXTERNAL LINKS



REFERENCES

¹ [Reimers, D & Hagen, H. J. 2000, "HS0922+1333: Another Low Accretion Rate Polar with a Pronounced Cyclotron Line Spectrum", A&A, Vol. 358, L45-L48](#)

² [Gaia Collaboration et al. \(2018b\): Summary of the contents and survey properties](#)

³ [Bailor-Jones et al. 2018, "Estimating Distance from Parallaxes, IV. Distances to 1.3 Billion Stars in Gaia Data Release 2", ApJ, Vol. 156, 58](#)

⁴ [Ferrario, Lilia, et al. 2015, "Magnetic White Dwarfs", SSRv 191, 111-169](#)

⁵ [HEASARC Skyview: ROSAT All-Sky](#)

⁶ [Parsons, S.G. et al. 2021, "Magnetic white dwarfs in post-common-envelope," MNRAS, Vol. 502, Iss. 3, pp. 4305-4327](#)

⁷ [Tovmassian, G. H. et al. 2007, "On the orbital period of the magnetic cataclysmic variable HS 0922+1333", A&A, Vol. 468, Iss. 2, pp. 643-647](#)

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