



EF Eri

Short Period Pre-Polar

OBSERVATION DATA

SCALE 10" X 10"

OTHER NAME(S): 2A 0311-227; RX J0314.2-2236

FOUND: AO 1979

RIGHT ASCENSION [1]03^h 14^m 13.25^s

DECLINATION [1]-22° 35' 42.92"

PARALLAXES (mas) [1]6.266 ± 0.271

DISTANCE (pc) [2]159.322

DISTANCE BOUNDARIES (pc) [2]

Lower = 152.670

Upper = 166.569

MAGNETIC FIELD (MG) [3]

B₍₁₎ = 21

B₍₂₎ = 17

...

B_{zeem} = 15

WD Mass (☉)

0.9

ORBITAL PERIOD & SPIN PERIOD

DAYS

HOURS

MINUTES

0.05627

1.3504

81.023

OPTICAL (CRTS MAGNITUDE)

V_{HIGH} = 17.75

V_{LOW} = 19.25

V₍₁₎ = 18.25

...

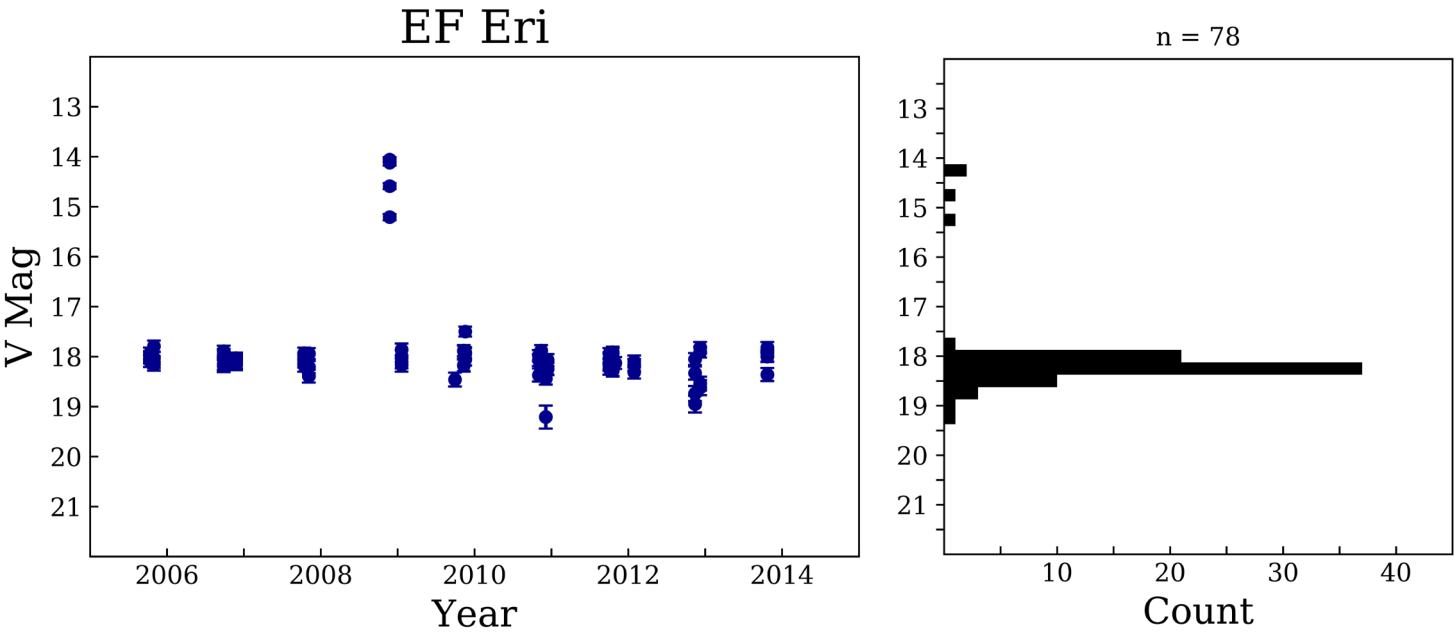
OTHER INFORMATION

TEMP_{EFF} (K)

9500

SUMMARY

CRTS PHOTOMETRY



EXTERNAL LINKS



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 [Ferrario, Lilia, et al. 1996, "The Magnetic Fields of EF Eridani and BL Hydri", *MNRAS*, Vol. 282, Iss. 1, pp. 218-222](#)
- ⁴ [HEASARC Skyview: ROSAT All-Sky](#)
- ⁵ [Achilleos, N. et al. 1992, "The Accretion Halo in AM Herculis Systems.", *MNRAS*, Vol. 256, 80-96](#)
- ⁶ [Schwope, A.D. and Christensen, L. 2010, "X-Shooting EF Eridani: Further Evidence for a Massive White Dwarf and a Sub-stellar Secondary", *A&A*, Vol. 514, pp. 5](#)
- ⁷ [Griffiths, R. E. et al. 1979, "The Optical Identification of 2A 0311-227 with a New AM Herculis-type Object.", *ApJ*, Vol. 232, p. L27-L31](#)

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