



EK UMa

Short Period
Polar

OBSERVATION DATA

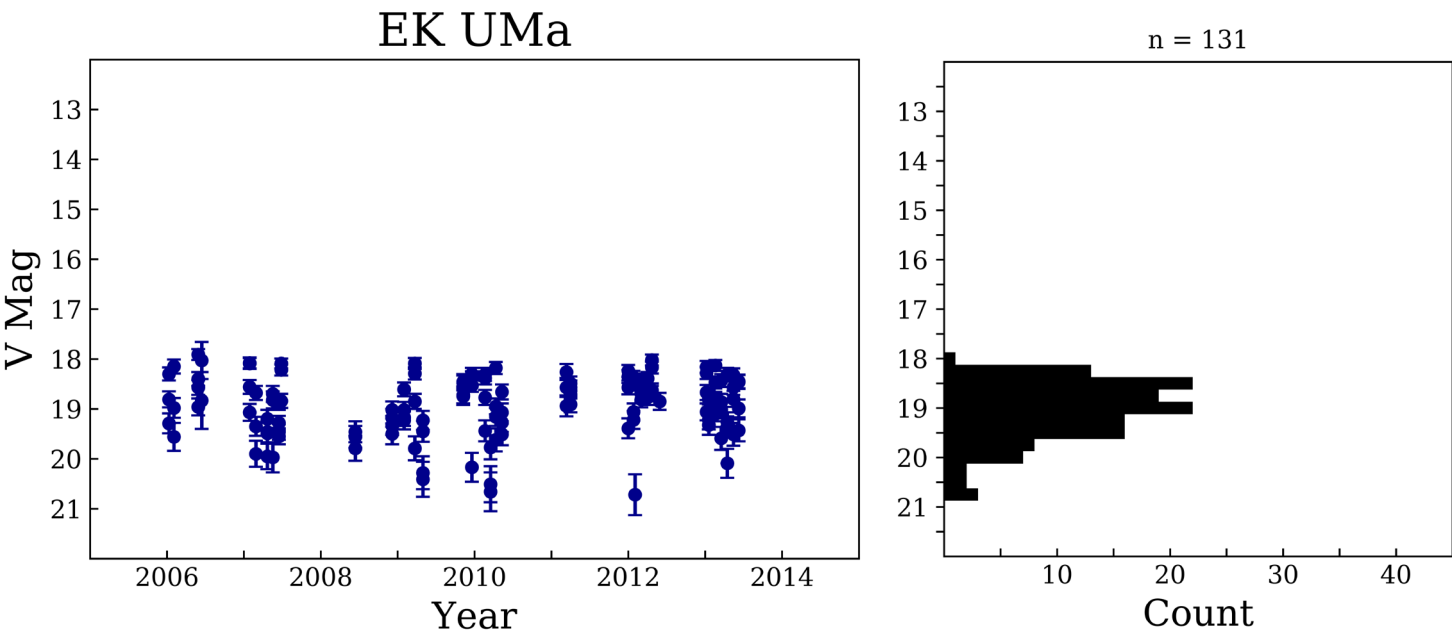
SCALE 10" X 10"

ROSAT RASS [4]

OTHER NAME(S): 1E 1048.5+5421; RX J1051.5+5404; RBS 911			
FOUND: 1E 1986			
RIGHT ASCENSION [1]	10 ^h 51 ^m 35.16 ^s	DECLINATION [1]	+54° 04' 36.11"
PARALLAXES (mas) [1]	1.329 ± 0.193	DISTANCE (pc) [2]	753.858
DISTANCE BOUNDARIES (pc) [2]		Lower = 639.026	Upper = 882.802
MAGNETIC FIELD (MG) [3]		B ₍₁₎ = 47	
ORBITAL PERIOD & SPIN PERIOD			
DAYS	HOURS	MINUTES	
0.07954	1.9091	114.543	
OPTICAL (CRTS MAGNITUDE)			
V _{HIGH} = 18	V _{LOW} = 20.75	V _(MODE 1) = 19	...
OTHER INFORMATION			

SUMMARY

CRTS PHOTOMETRY



EXTERNAL LINKS



REFERENCES

¹ [Gaia Collaboration et al. \(2018b\): Summary of the contents and survey properties](#)

² [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](#)

³ [Ferrario, Lilia, et al. 2015, "Magnetic White Dwarfs", SSRv 191, 111-169](#)

⁴ [HEASARC Skyview: ROSAT All-Sky](#)

⁵ [Beuermann, K. et al. 2009, "A long-term optical and X-ray ephemeris of the polar EK Ursae Majoris", A&A, Vol. 507, Iss. 1, 2009, pp. 385-388](#)

⁶ [Cropper, Mark et al. 1990, "Magnetic fields in AM HER systems: a possible field for 1E 1048.5+5241 \(EK UMa\) from cyclotron humps." MNRAS, Vol. 243, 565-569](#)

⁷ [Wickramasinghe, D. T. et al. 2000, "Magnetism in Isolated and Binary White Dwarfs", PASP, Vol. 112, Iss. 773, pp. 873-924](#)

⁸ [Morris, Simon L. et al. 1987, "1E 1048.5+5421: A New 114 Minute AM Herculis Binary", ApJ, V. 314, p. 641](#)

⁹ [Pretorius, Magaretha L. et al. 2013, "The space density of magnetic cataclysmic variables", MNRAS, Vol. 432, Iss. 1, p. 570-583](#)

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