



WX LMi

Period Gap
Pre-Polar

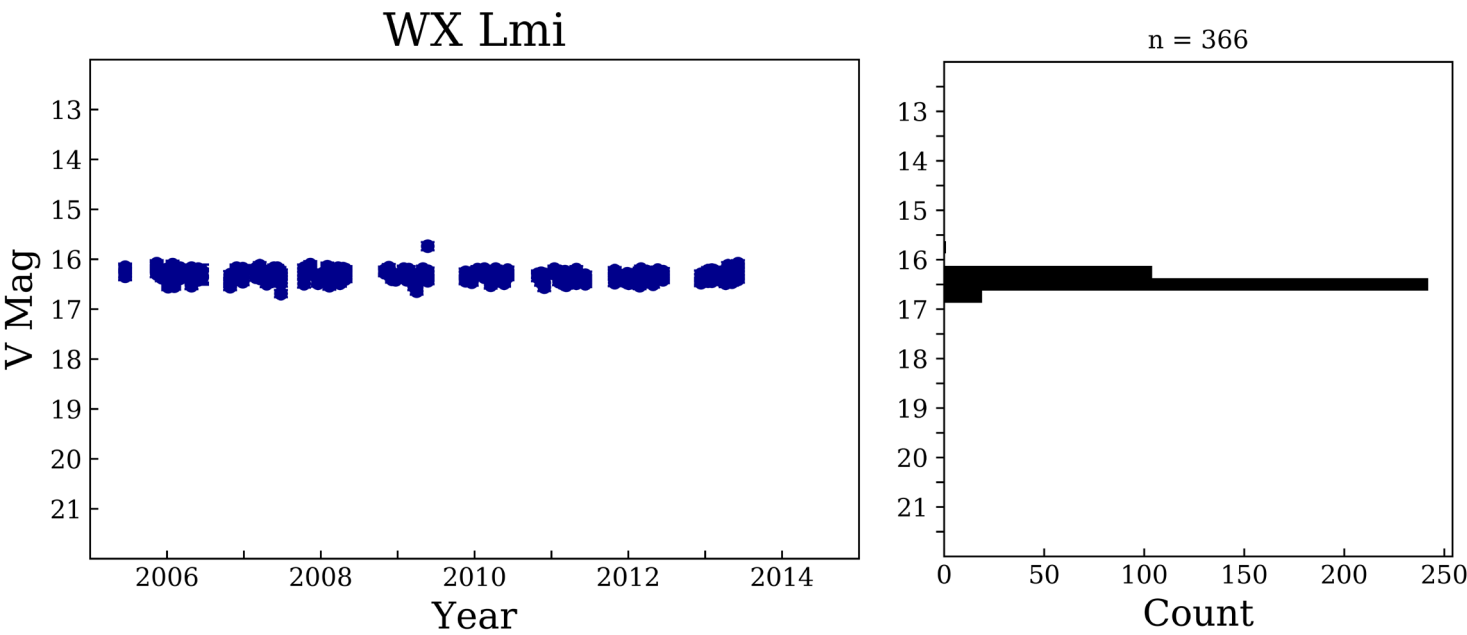
OBSERVATION DATA

SCALE 10" X 10"

OTHER NAME(S): HS 1023+3900; SDSS J102627.48+384502.4				
FOUND: HS 1999				
RIGHT ASCENSION ^[1]	10 ^h 26 ^m 27.49 ^s	DECLINATION ^[1]	+38° 45' 02.66"	
PARALLAXES (mas) ^[1]	10.311±0.053	DISTANCE (pc) ^[2]	96.781	
DISTANCE BOUNDARIES (pc) ^[2]		Lower = 96.226	Upper = 97.268	
MAGNETIC FIELD (MG) ^[3]	B ₍₁₎ = 61	B ₍₂₎ = 70	WD MASS (e)	0.71
ORBITAL PERIOD & SPIN PERIOD				
DAYS	HOURS		MINUTES	
0.097	2.3280		139.6800	
OPTICAL (CRTS MAGNITUDE)				
V _{HIGH} = 16.25	V _{LOW} = 16.75	V _(MODE 1) = 16.5	...	
OTHER INFORMATION				
Temp _{WD} = 8,000 K				

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 [Barrett, Paul E. et al. 2017, "A Jansky VLA Survey of Magnetic Cataclysmic Variable Stars. I. The Data", *AJ*, Vol. 154, Iss. 6, id. 252](#)

⁶ [Reimers, D. et al. 1999, "HS 1023+3900 - a magnetic CV in the period gap with a distinct cyclotron emission line spectrum", *A&A*, Vol. 343, p. 157-162](#)

⁷ [Harrison, Thomas E. et al. 2015, "The WISE Light Curves of Polars", *ApJ*, Vol. 219, Iss. 2, id. 32, pp. 80](#)

⁸ [Tutar Ozdarcn, D. et al. 2017, "Time-resolved spectropolarimetric observations of polars WX LMi and BY Cam", *MNRAS*, Vol. 468, Iss. 3, p. 2923-2931](#)

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