



DP Leo

Eclipsing Short
Period Polar

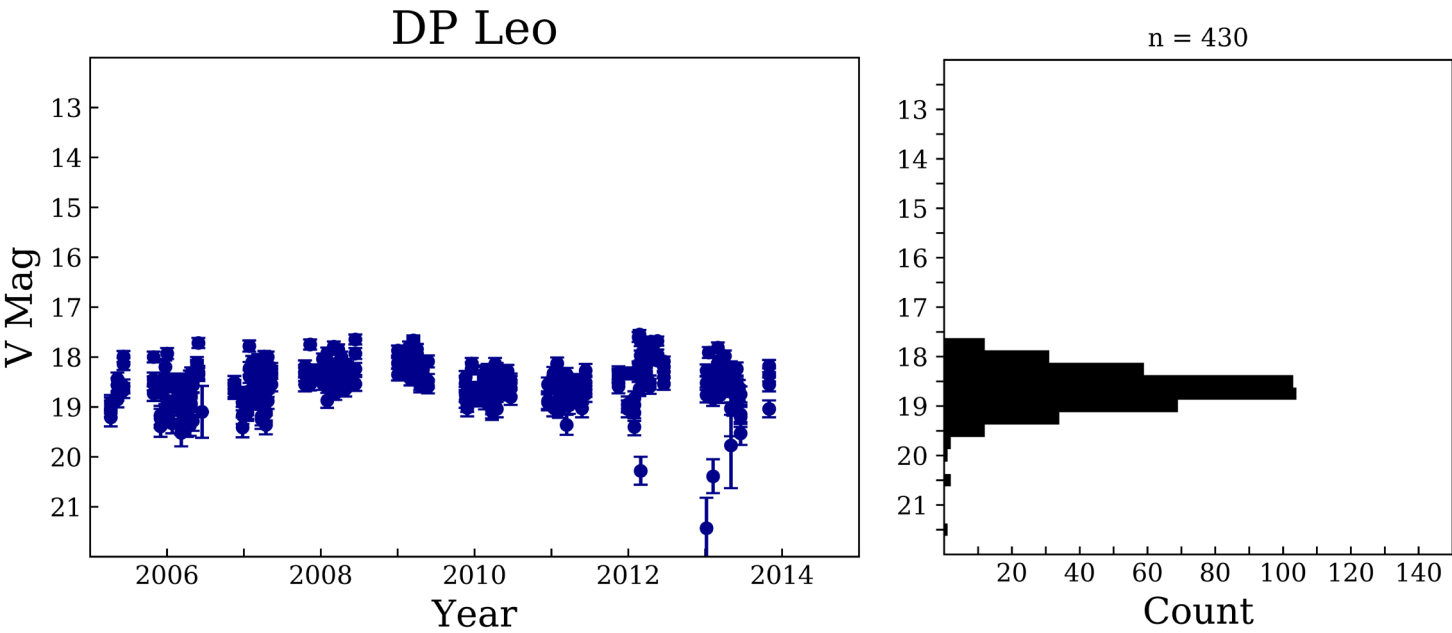
OBSERVATION DATA

SCALE 10" X 10"

OTHER NAME(S): 1ES 1113+43.2; RX J1115.6+4258; CSO 1153			
FOUND: 1E 1985			
RIGHT ASCENSION ^[1]	11 ^h 17 ^m 15.92 ^s	DECLINATION ^[1]	+17° 57' 41.69"
PARALLAXES (mas) ^[1]	3.149 ± 0.253	DISTANCE (pc) ^[2]	320.308
DISTANCE BOUNDARIES (pc) ^[2]		Lower = 295.666	Upper = 351.566
MAGNETIC FIELD (MG)	B ₍₁₎ =30.5	B ₍₂₎ =59	WD MASS (e) 0.71
ORBITAL PERIOD & SPIN PERIOD			
DAYS	HOURS		MINUTES
0.06236	1.4967		89.8025
OPTICAL (CRTS MAGNITUDE)			
V _{HIGH} = 17.5	V _{LOW} = 20.5	V _(MODE 1) = 18.75	...
OTHER INFORMATION			
Temp _{wd} = 13,500 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 [Bonnet-Bidaud, J.M. et al. 2015, "Quasi-periodic Oscillations in Accreting Magnetic White Dwarfs. I. Observational Constraints in X-Ray and Optical", *A&A*, Vol. 549, id. A24, pp. 18](#)

⁶ [Schwope, A.D. et al. 2002, "A Multiwavelength Time Analysis of the Eclipsing Polar DP Leo," *A&A*, Vol. 392, p. 541-551](#)

⁷ [Biermann, P. et al. 1985, "The New Eclipsing Magnetic Binary System E 1114+182.," *ApJ*, Vol. 293, p. 303-320](#)

⁸ [Cropper, Mark & Wickramasinghe, D.T 1993, "Cyclotron humps in AM HER Systems - V. Two Poles in DP Leo", *MNRAS*, Vol. 260, 696-704](#)

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