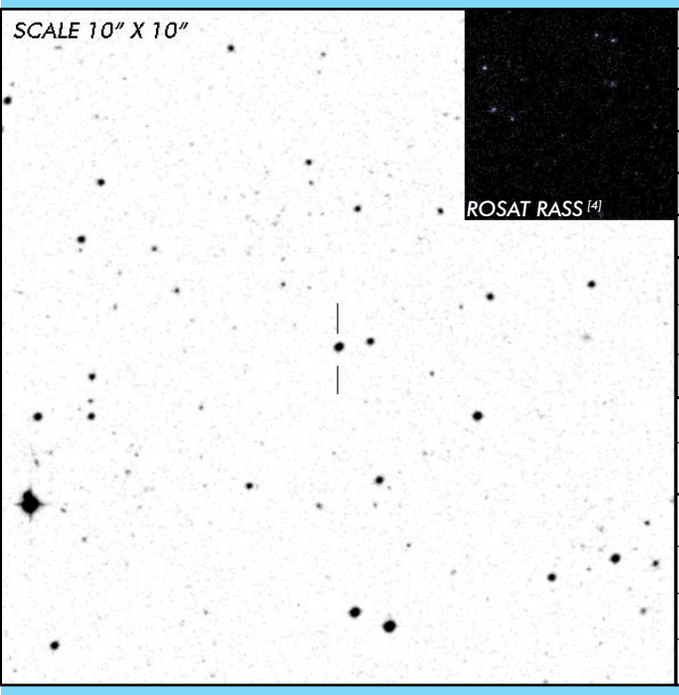
FL Cet

Short Period Eclipsing Polar

OBSERVATION DATA



OTHER NAME(S): 1RXS J015543.3+002817; SDSSp J015543+002807			
FOUND: SDSS 2002			
RIGHT ASCENSION [1]	$01^h\ 55^m\ 43.404^s$	**DECLINATION** [1]	+00° 28′ 07.157″
PARALLAXES (mas) [1]	3.1546±0.1592	**DISTANCE (pc)** [2]	317.594
DISTANCE BOUNDARIES (pc) [2]		Lower = 305.388	Upper = 330.810
MAGNETIC FIELD (MG) [3]		$B_{(1)}$ = 29 ...	**WD_{MASS}** ~0.5

ORBITAL PERIOD & SPIN PERIOD

DAYS	HOURS	MINUTES
0.06052	1.4524	87.143

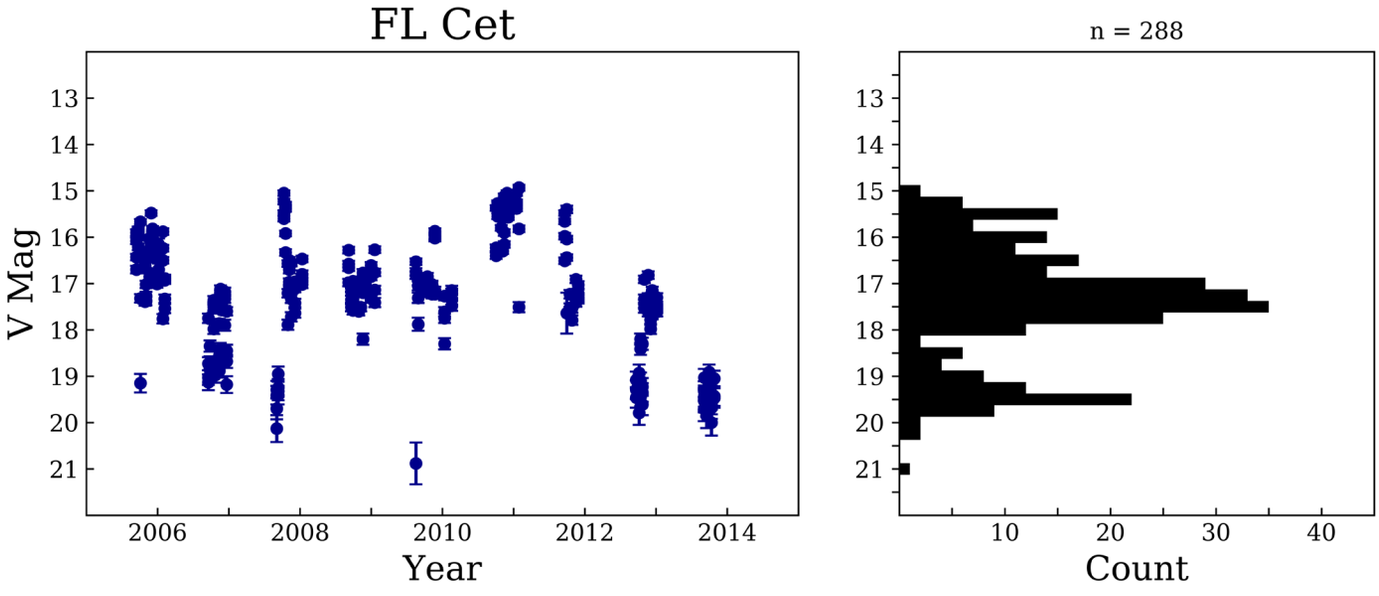
OPTICAL (CRTS MAGNITUDE)

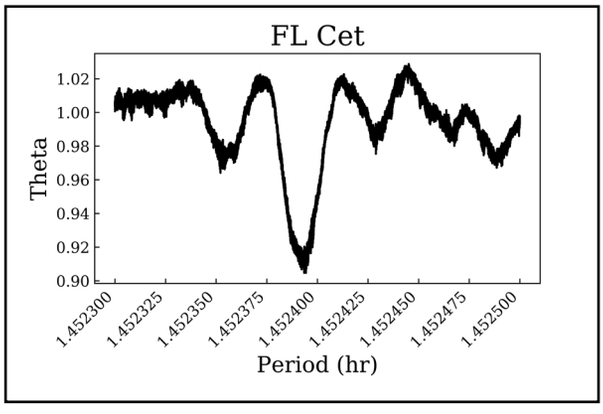
V_{HIGH} = 15	V_{LOW} = 20.25	$V_{(MODE\ 1)}$ = 17.5	$V_{(MODE\ 2)}$ = 19.5

OTHER INFORMATION

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 Parallexes, IV. Distances to 1.33 Billion Stars in Gaia Data Release 2", *ApJ*, Vol. 156, 58
[3] Szkody, P. et al 2002, "Cataclysmic Variables from The Sloan Digital Sky Survey. I. The First Results ", AJ, 123, 430-442
[4] HEASARC Skyview: ROSAT All-Sky
[5] Szkody, P. et al. 2002, "Cataclysmic Variables from The Sloan Digital Sky Survey. I. The First Results", AJ, Vol. 123, Iss. 1, pp. 430-442
[6] O'Donoghue, D. et al. 2006, "First science with SALT: peering at the accreting polar caps of the eclipsing polar SDSS J015543.40+002807.2" MNRAS, Vol. 372, 151-162
[7] Barrett, P. et al. 2020, "Radio Observations of Magnetic Cataclysmic Variables", *ASR*, Vol. 66, Iss. 5, 1226-1234
[8]