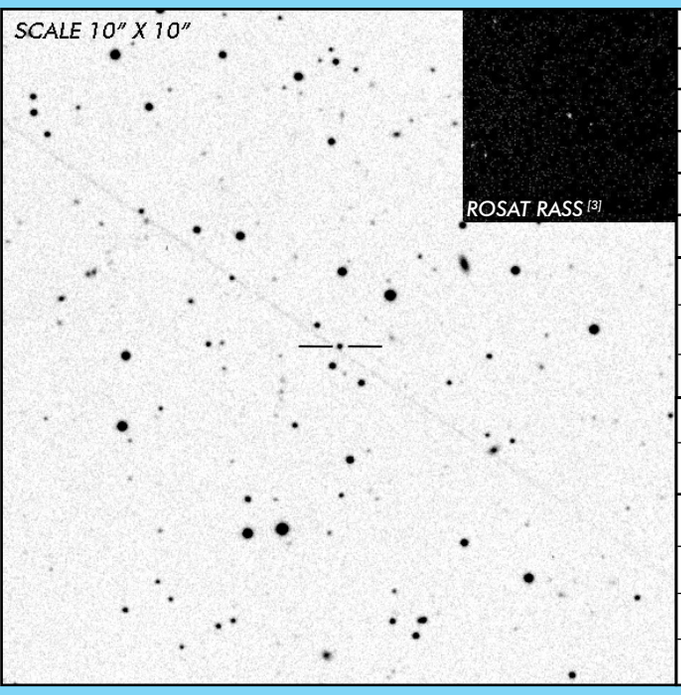
J0859+0536 Short Period Polar

OBSERVATION DATA



OTHER NAME(S): RX J0859.1+0537; SDSS J085909.18+0536				
FOUND: ROSAT RASS 1999				
RIGHT ASCENSION [1]	$08^h\ 59^m\ 09.18^s$	**DECLINATION** [1]	+05° 36′ 54.59″	
PARALLAXES (*mas*) [1]	2.250 ± 0.118	**DISTANCE (*pc*)** [2]	440.868	
DISTANCE BOUNDARIES (pc) [2]		Lower = 420.737	Upper = 462.423	
MAGNETIC FIELD (*MG*)	$B_{(1)}$ = 20	$B_{(2)}$ = 35	**WD MASS (⊙)**	0.61

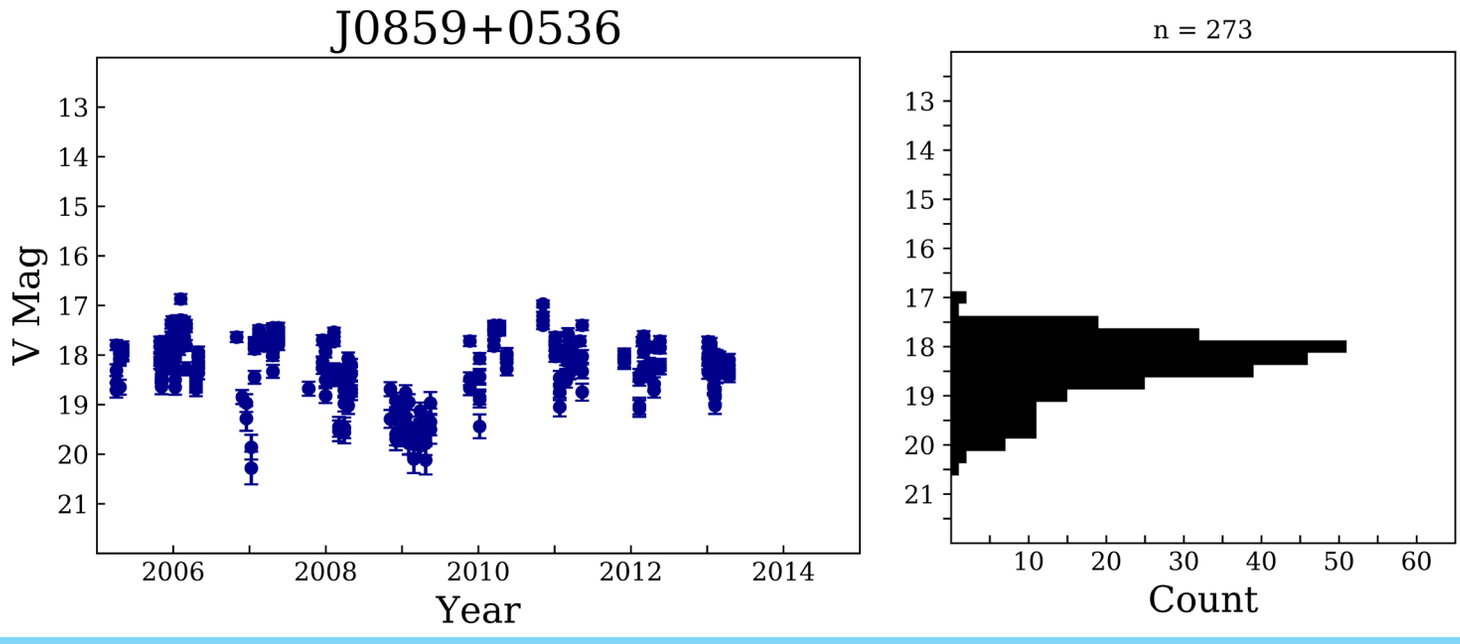
ORBITAL PERIOD & SPIN PERIOD		
DAYS	**HOURS**	**MINUTES**
0.09986	2.3966	143.798

OPTICAL (CRTS MAGNITUDE)			
V_{HIGH} = 17	V_{LOW} = 20.5	$V_{(MODE\ 1)}$ = 18	...

OTHER INFORMATION			
$Temp_{WD}$ = 10,500 K			

SUMMARY

CRTS PHOTOMETRY



EXTERNAL LINKS

STScI Sky Survey

SIMBAD

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] HEASARC Skyview: ROSAT All-Sky
[4] Beuermann, K. et al. 1999, "Identification of soft high galactic latitude RASS X-ray sources. II. Sources with PSPC count rate CR<0.5 cts/s", A&A, Vol. 347, p. 47-54
[5] Beuermann, K. et al. 2021, "Neglected X-ray discovered polars. III. RX J0154.0-5947, RX J0600.0-2709, RX J0859.1+0537, RX J0953.1+1458, and RX J1002.2-1925", A&A, Vol. 645, A56, pp. 24
[6] Joshi, Arti et al. 2020, "Optical and X-ray studies of three polars: RX J0859.1+0537, RX J0749.0-0549, and RX J0649.8-0737", MNRAS, Vol. 497, Iss. 1, p. 201-214
[7]