



XY Ari

Long Period Intermediate Polar

OBSERVATION DATA

SCALE 10" X 10"

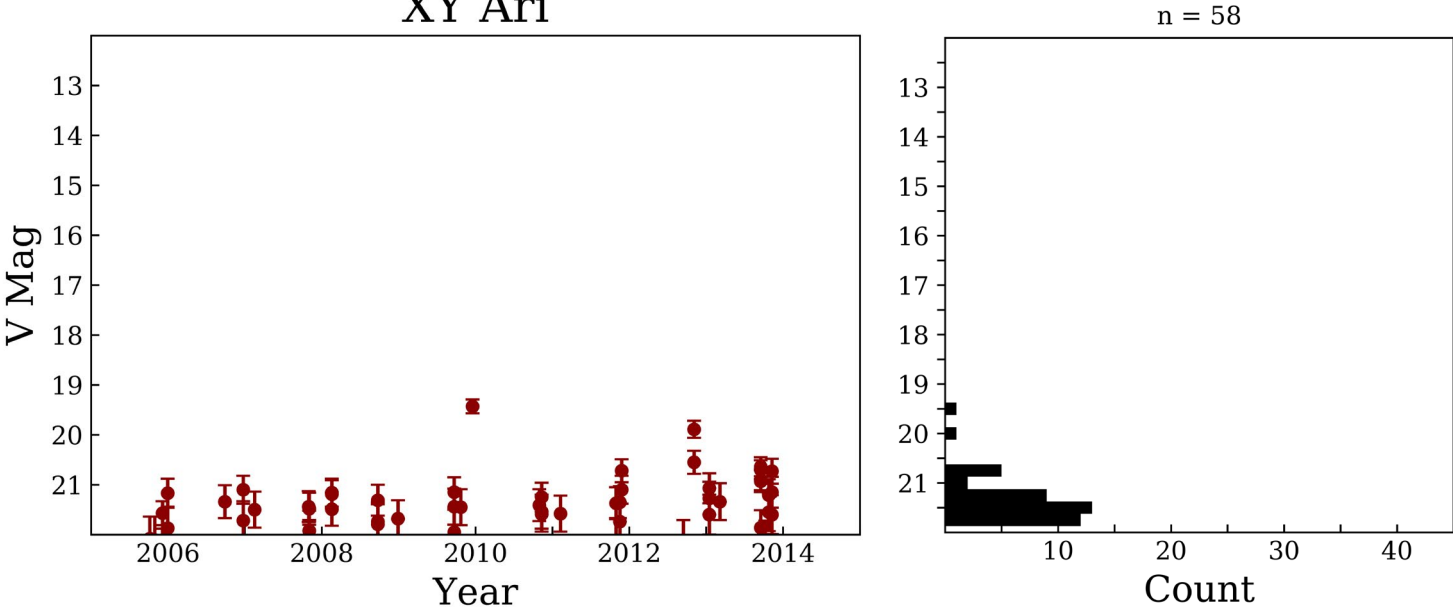
ROSAT RASS [3]

OTHER NAME(S): H 0253+193; SDSS J025608.18+192634.1							
FOUND: HEAO 1979							
RIGHT ASCENSION [1]		02 ^h 56 ^m 08.185 ^s		DECLINATION [1]		+19° 26′ 34.120″	
PARALLAXES (mas)		...		DISTANCE (pc)		270	
DISTANCE BOUNDARIES (pc)				Lower = 170		Upper = 324	
MAGNETIC FIELD (MG)		...		WD Mass (M _⊙)		1.040	
ORBITAL PERIOD (P _o) [2]				SPIN PERIOD (P _s) [2]			
DAYS	HOURS	MINUTES		HOURS	MINUTES	SECONDS	
0.2527	6.0647	363.8838		0.0573	3.4383	206.3	
OPTICAL (ASAS-SN)							
V _{HIGH} = 20.75		V _{LOW} = 21.75		V _{MEAN} = 21.5		...	
OTHER INFORMATION							

SUMMARY

CRTS PHOTOMETRY

XY Ari



EXTERNAL LINKS



REFERENCES

¹ [Adelman-McCarthy J.K., et al. \(2009\): The SDSS Photometric Catalog, Release 7](#)

² [HEASARC Skyview: ROSAT All-Sky](#)

³ [Koji, Mukai 2014, The Catalog of IPs and IP Candidates by Right Ascension](#)

⁴ [Marshall, F. E. et al. 1979, "New Hard X-ray Sources Observed with HEAO A-2", ApJS, Vol. 40, p. 657-666](#)

⁵ [Hellier, Coel 1997, "The Size of the Accretion Region in Intermediate Polars: Eclipses of XY ARIETIS observed with RXTE", MNRAS, Vol. 291, Iss. 1, pp. 71-80](#)

⁶ [Xu, Xiao-jie et al. 2019, "The Fe Line Flux Ratio as a Diagnostic of the Maximum Temperature and the White Dwarf Mass of Cataclysmic Variables", ApJ, Vol. 878, Iss. 1, pp. 7](#)

⁷ [Suleimanov, Valery F. et al. 2019, "Hard X-Ray view on Intermediate Polars in the Gaia era", MNRAS, Vol. 482, Iss. 2, p. 3622-3635](#)

⁸ [Schwope, A. D. 2018, "Exploring the Space Density of X-Ray Selected Cataclysmic Variables", A&A, Vol. 619, pp. 5](#)

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