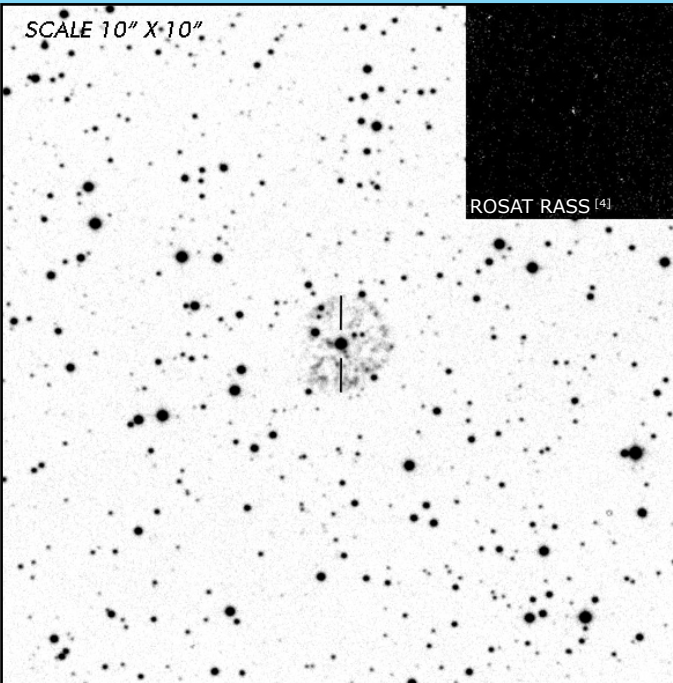




GK Per

Long Period Intermediate Polar

OBSERVATION DATA



OTHER NAME(S): BD +43 740a; Nova Persei 1901; PBC J0331.1+4353					
FOUND: KPNO 1966					
RIGHT ASCENSION ^[1]		03 ^h 31 ^m 12.010 ^s		DECLINATION ^[1] +43° 54' 15.470"	
PARALLAXES (mas) ^[1]		2.306 ± 0.042		DISTANCE (pc) ^[2] 429.529	
DISTANCE BOUNDARIES (pc) ^[2]				Lower = 423.880 Upper = 436.071	
W_D MASS (M_⊙)		1.05		MAGNETIC FIELD (MG) B ₁ ≈ 5 ...	
ORBITAL PERIOD (P_o) ^[3]			SPIN PERIOD (P_s) ^[3]		
DAYS	HOURS	MINUTES	HOURS	MINUTES	SECONDS
1.9968	47.923	22875.3963	0.097583	5.855	351.3
OPTICAL (CRTS MAGNITUDE)					
...
OTHER INFORMATION					

SUMMARY

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 Parallaxes, IV. Distances to 1.33 Billion Stars in Gaia Data Release 2", ApJ, Vol. 156, 58](#)
- ³ [HEASARC Skyview: ROSAT All-Sky](#)
- ⁴ [Koji, Mukai 2014, The Catalog of IPs and IP Candidates by Right Ascension](#)
- ⁵ [Mumford, G. S. \(1966\), "Binary Stars Among Cataclysmic Variables. VIII. Photoelectric Observations of 12 Old and Dwarf Novae.", ApJ, Vol. 176, p. 411](#)
- ⁶ [Crampton, D. et al \(1986\), "The Orbit of GK Persei", ApJ, Vol. 300, p. 788](#)
- ⁷ [Mauche, C. W. et al \(1997\), "Ultraviolet Emission-line Ratios of Cataclysmic Variables", ApJ, Vol. 477, Iss. 2, pp. 832-847](#)
- ⁸ [Hellier, C. et al. \(2004\), "On the Magnetic Accretor GK Persei in Outburst", MNRAS, Vol. 349, Iss. 2, pp. 710-714](#)
- ⁹ [Suleimanov, V. F. et al. \(2019\), "Hard X-Ray View on Intermediate Polars in the Gaia Era", MNRAS, Vol. 482, Iss. 3, p. 3622-3635](#)
- ¹⁰ [Kaminski, Tomek et al. \(2022\), "A Search for Cool Molecular Gas in GK Persei and Other Classical Novae", A&A, Vol. 659, pp. 23](#)
- ¹¹ [Alvarez-Hernandez, A. et al. \(2021\), "The Intermediate Polar Cataclysmic Variable GK Persei 120 Years After the Nova Explosion: A First Dynamical Mass Study," MNRAS, Vol. 507, Iss. 4, pp. 5805-5819](#)
- ¹² [Wada, Yuuki et al. 2018, "An Estimation of the White Dwarf Mass in the Dwarf Nova GK Persei with NuSTAR Observations of Two States", MNRAS, Vol. 474, Iss. 2, p. 1564-1571](#)

13
14