Multiwavelength and multi-epoch imaging of RXS J1131-1231.

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November 18, 2004

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We report results from a large set of multi-wavelength images of the quadruply imaged quasar RXS J1131-1231. We show images of this system and of the Einstein ring from the visible to the near infrared. We infer from these images an improved astrometry and we compare various simple models. We subsequently discuss how the presence of this ring affects the photometric measurements. Based on the flux variations observed in various filters during a 1.5 year period, we deduce two likely microlensing scenarios. Additionally, we try to explain the observed chromatic variations of the flux ratios and we discuss the occurence of a flux ratio anomaly in this system. Finally, we present future prospects on how to improve the modeling and the photometry of this system and we briefly expose some promising applications of its study.