

Radio-X-Ray Correlation of Neutron Star Transient/X-Ray Burster Aquila X-1

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We present the correlation between timing monitorings of X-ray and radio observations. Unlike transient black hole transients where the radio fluxes are proportional to the X-ray fluxes throughout an outburst cycle, the proto-type neutron star transient Aql X-1 shows unusual behavior. The radio fluxes increase only in a certain epoch without regularity.

We discuss a few causes of the irregularity, based on accretion processes.