Search for transient radio counterparts of accretion evolution of compact objects

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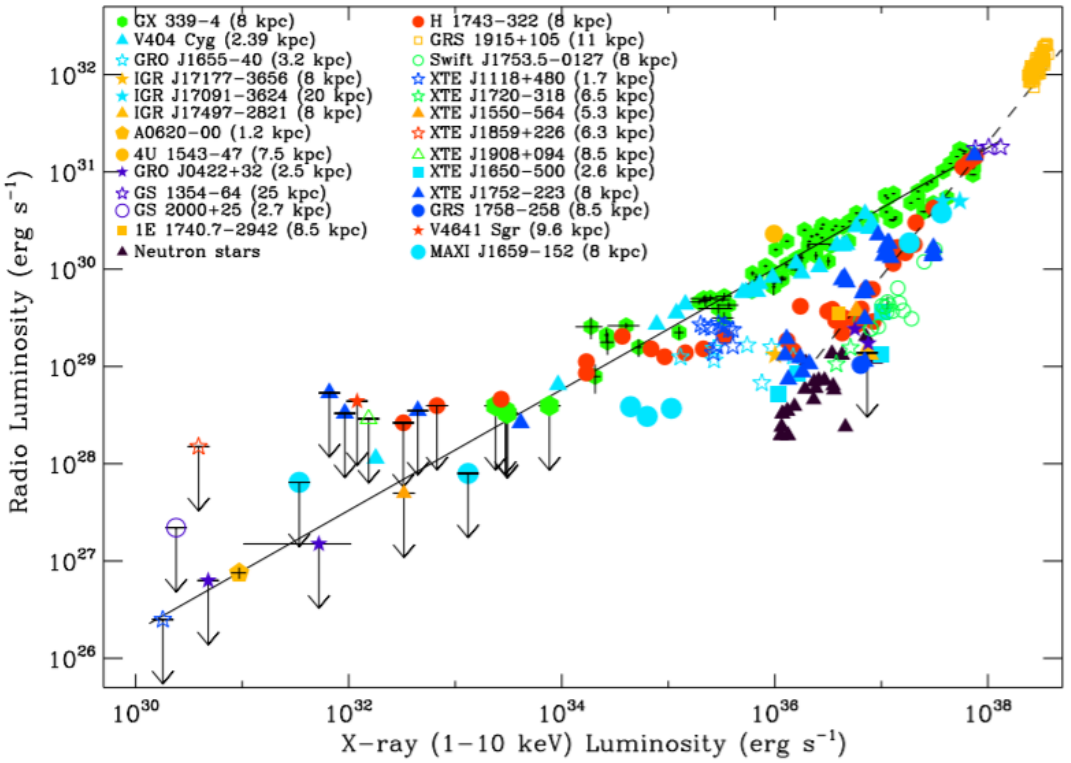
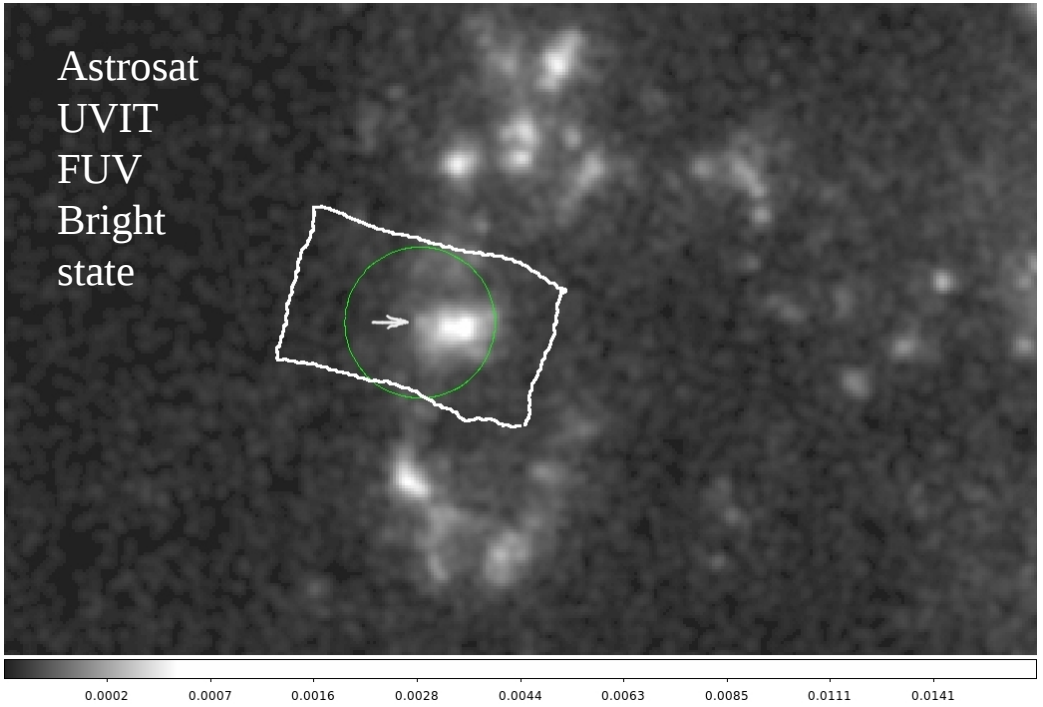
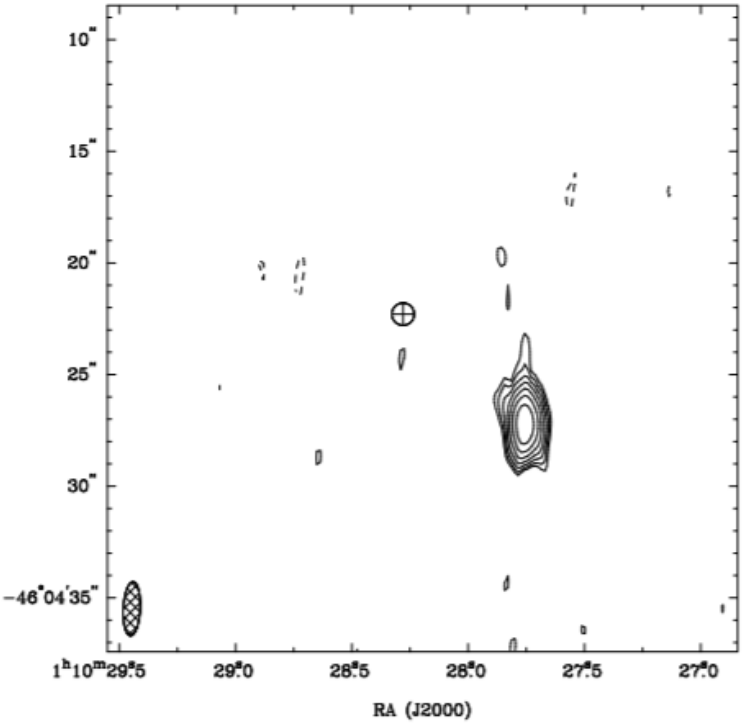
- Radio-X-ray correlation → Disk-jet connection → Universal correlation?
- Mechanism [BZ/BP] – dependence on the stellar parameters Spin, Mass, B
- Comparison of stellar BH behavior with SMBH (and NS)
- Monitoring of representative Microquasar and SMBH sample through outburst in conjunction with complementary bands in X-ray (Astrosat+), IR/optical, and others (Polarization?)
- Lense-thirring precession [Miller-Jones et al. (2019), van den Eijnden et al.(2018)] connection with related features (QPOs)
- Knots in jets in case of microquasars and SMBHs
- Sensitive low-frequency observation imperative for spectra (resolvable jets)



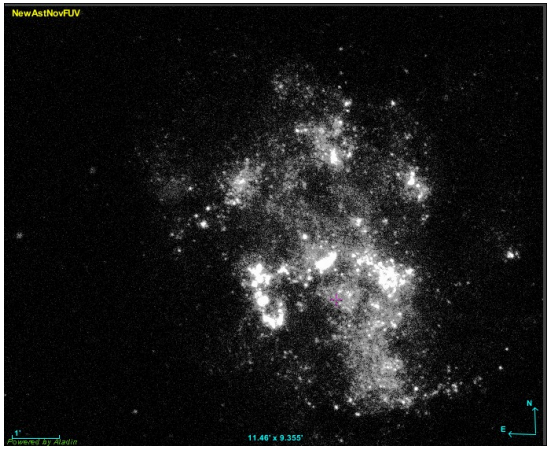
Corbel et al. (2012)

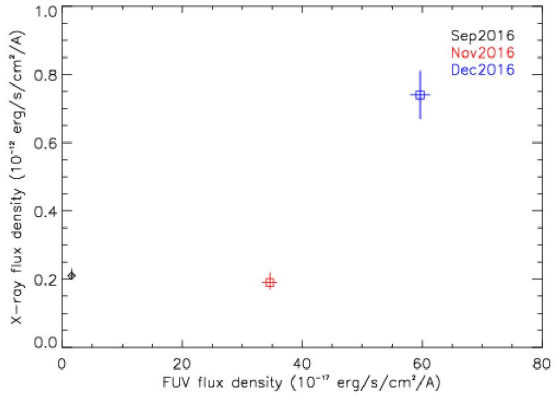
- Radio counterpart of ULXs as probes of BH evolution and super-Eddington accretion
- Jets in ULX, feedback and powered nebula



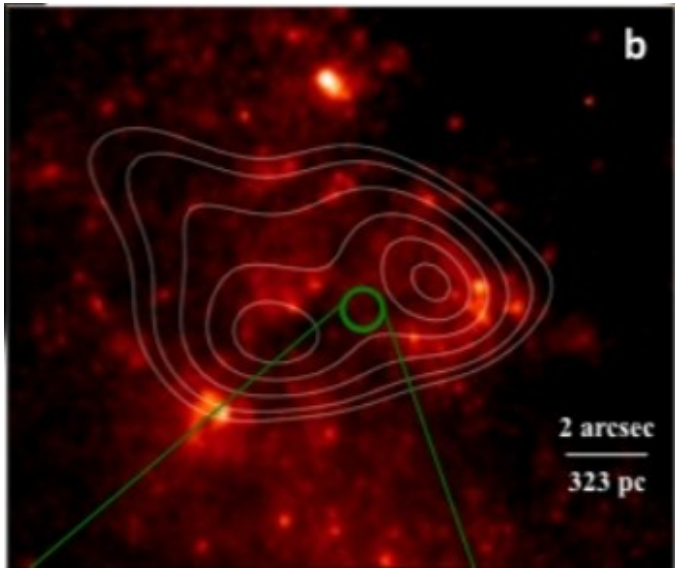


ESO 243-49, Cseh et al (2015)





*Sofanova, **MC**, et al in prep*



Mezcua et al (2015), ULX in NGC 2276