Powerful, recurrent AGN outflows in two low redshift Lyman-α blobs

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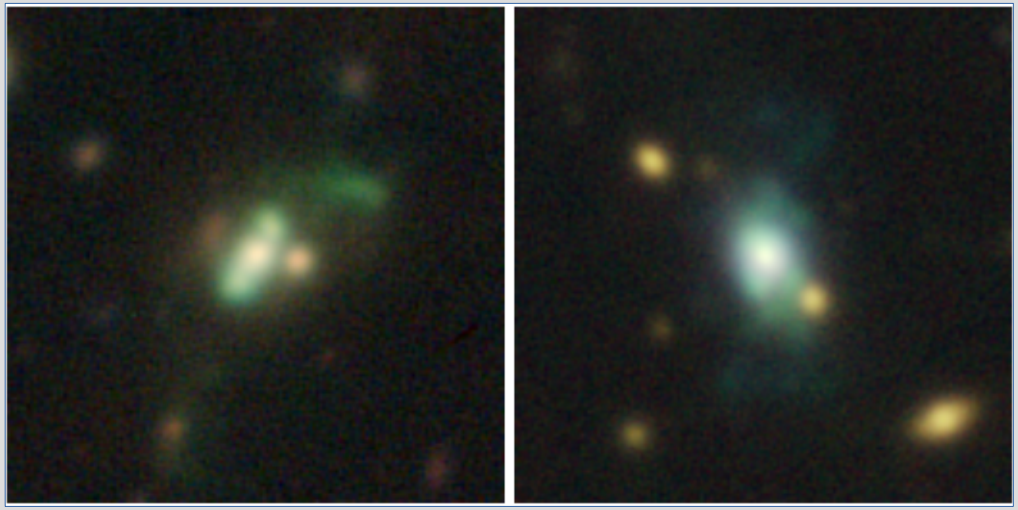
Targets: Low redshift (z~0.3) Lyα blobs discovered in 2016

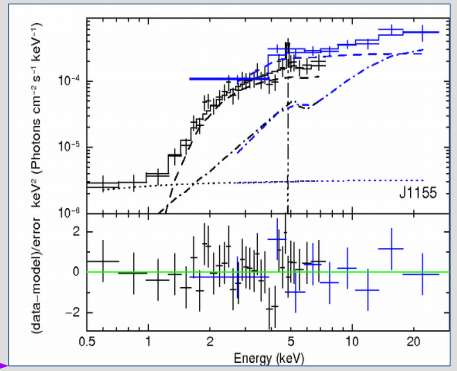
J0113+0106 **J1155-0147**



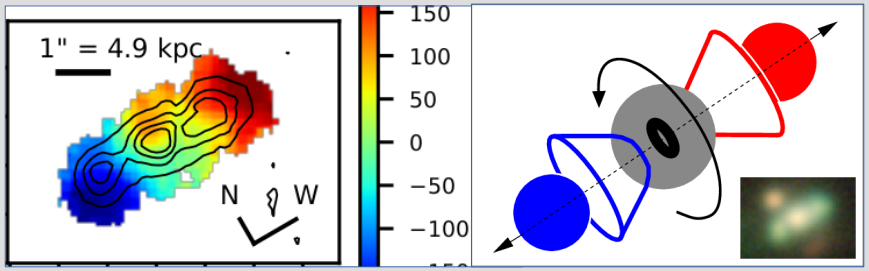
Most luminous and massive [OIII] emitters
(~ 4e43 erg/s, ~5e8 Msun ionized gas mass)
Ideal to study:

- Lyα escape mechanism
- Gas kinematics and outflow history
- AGN mode switching

(1) NuSTAR + Chandra:
Luminosity, obscuration, structure



(2) Gemini / GMOS 3D spectroscopy:
Kinematics, gas mass, outflow history



(3) HST ACS / SBC:
Far-UV imaging and spectroscopy:
Lyα morphology and line luminosity
(Observations starting July 2017)

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