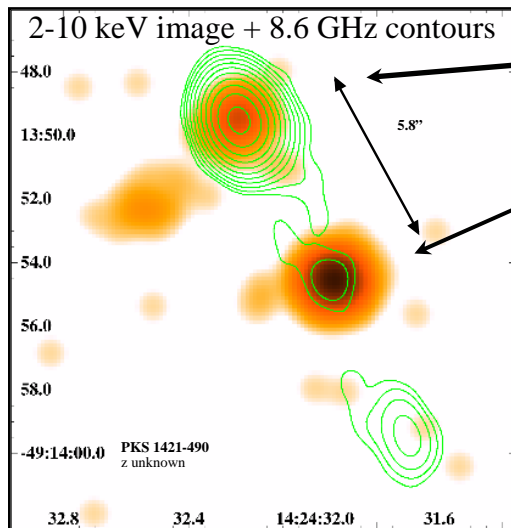


Continuing a Chandra Survey of Quasar Radio Jets

Jonathan Gelbord et al.

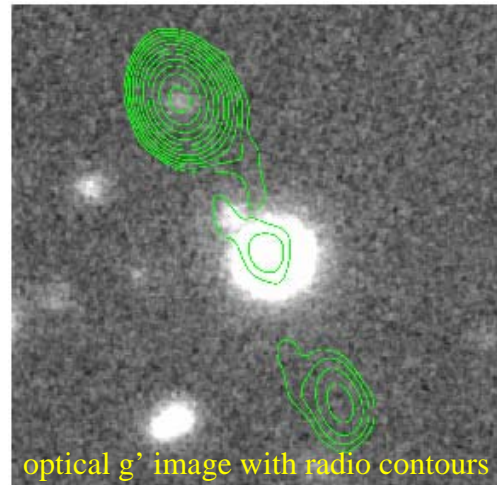
We present a status report of our ongoing survey, summarizing our findings from our first 20 targets observed with Chandra as well as the VLA or ATCA and giving a glimpse of the newest data.

News flash: observations just two weeks ago have shown PKS 1421-490 to be the most unusual jet yet found by our survey. Here's a glimpse:



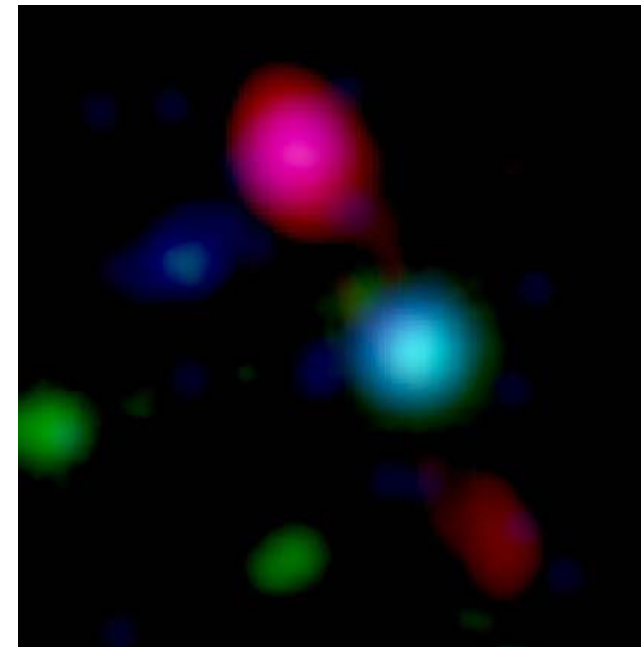
Core in radio: strongest radio component, has a flat radio spectral index & VLBI structure. Has X-ray counterpart.

Knot 1 is 500 times fainter in radio, but in X-rays is unexpectedly 3.5 times brighter!



We've discovered the optical counterpart to core: $g' = 24$, colors suggest high- z ,

Knot 1 in optical appears to have structure, and is 300 times brighter than the core!!?



3-band RGB image: red = 8.6 GHz radio, green = g' optical, blue = 0.5-7 keV X-ray