

XJET: an On-Line Inventory of Extragalactic X-ray Jets



<http://hea-www.harvard.edu/XJET/>



XJET: X-RAY EMISSION FROM EXTRAGALACTIC RADIO JETS

SC 295. false color Chandra overlaid with radio contours. SC 273. M87. Chandra, and Martin (Marshall et al.)

MOTIVATION

This website is meant to serve as a clearing house for radio galaxies and quasars for which X-ray emission has been detected which is associated with radio jets, i.e. knots and hotspots. As resources permit, we will also provide downloadable FITS images for public use. If you would like to donate a FITS image, have a new example to add to the list, or find corrections or incomplete information, please email TD_Cheung@gsfc.nasa.gov.

[Index of FITS images](#)
[Image Data](#) **screen capture of main page**
[Image Data](#) [Image Data](#) [Image Data](#)

RADIO SOURCES WITH RELATED X-RAY EMISSION

Generic Name	R.A. (J2000)	Dec. (J2000)	z	Class	X-ray Features	Assoc. Radio	Assoc. Radio	PA, R.G. (Mpc)	Dist. (Mpc)	Age? (Myr)
3C 61	00:16:31.6	+79:16:41.7	0.044	FR II	both HS	7	393	N, S	5342	7.6

- XJET is an on-line catalogue of extragalactic radio sources with published X-ray detections of jet knots and hotspots.
- As of July 2008, there are 88 total objects in the list. Of these, only 6 were previously known from the Einstein and ROSAT missions (3C 120, 3C 273, M87, Cen A, Cyg A, NGC 6251); Chandra has been solely responsible for all the detections since.
- We tabulate basic information about each object (see Screen capture images).
- An individual page for each source is linked from the main page and includes a reference picture(s), and links to NED and published reference(s).
- Links to publicly accessible FITS images are provided, when available. Contributions and suggestions welcome.

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3C 61	00:16:31.6	+79:16:41.7	0.044	FR II	both HS	7	393	N, S	5342	7.6

Individual Source Pages

3C 120

Generic Name: 3C 120 (J2000) R.A. (J2000) Dec. (J2000) z Class X-ray Features Assoc. Radio Assoc. Radio PA, R.G. (Mpc) Dist. (Mpc) Age? (Myr)

Generic Name	R.A. (J2000)	Dec. (J2000)	z	Class	X-ray Features	Assoc. Radio	Assoc. Radio	PA, R.G. (Mpc)	Dist. (Mpc)	Age? (Myr)
3C 120	12:28:49.4233	+12:22:22.040	0.042	FR II	both HS	7	393	N, S	5342	7.6

Comments:

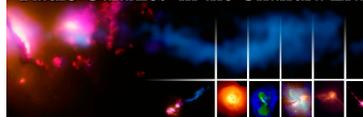
3C 120 (J2000) R.A. (J2000) Dec. (J2000) z Class X-ray Features Assoc. Radio Assoc. Radio PA, R.G. (Mpc) Dist. (Mpc) Age? (Myr)

Background image of Cygnus A from Stawarz et al. (2007) Red (8 micron Spitzer IRAC); Blue (4.3 micron Spitzer IRAC); Green: VLA 5 GHz (Perley et al. 1984)

Teddy C.C. Cheung (NASA GSFC)
 Dan Harris (Harvard-Smithsonian CfA)
 Francesco Massaro (Harvard-Smithsonian CfA)



Radio Galaxies in the Chandra Era



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