



**Chandra X-Ray
Observatory Center**

Harvard-Smithsonian Center for Astrophysics
60 Garden Street, Cambridge, MA 02138

<http://chandra.harvard.edu>

Pictor A: The brightest radio galaxy in the constellation Pictor.

Credit: NASA/UMD/A. Wilson et al.

Chandra's image of Pictor A gave scientists their first look at a spectacular X-ray jet. The jet originates near a giant black hole (left) in the central region of the galaxy and streaks toward a brilliant X-ray hot spot 800 thousand light years (8 times the diameter of our Milky Way galaxy) away. The hot spot (right) is thought to represent the advancing head of the jet which brightens as it plows into the tenuous gas of intergalactic space.

Scale: The hot spot is 4.2 arcmin from the galaxy.

Chandra X-Ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory