



**Chandra X-Ray  
Observatory Center**

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**PKS 0637-72:** A luminous quasar in the constellation Mensa.  
**Credit:** NASA/CXC/SAO

PKS 0637-72 is so distant that we see it as it was 6 billion years ago. It is a luminous quasar that radiates with the power of 10 trillion Suns. The source of this prodigious energy is believed to be a supermassive black hole. Chandra's X-ray image reveals a powerful X-ray jet extending away from the quasar that stretches across several hundred thousand light years. The jet, also observed by radio telescopes, is probably due to a beam of extremely high-energy particles.

**Scale:** Image is 1 arcmin on a side.

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*

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