



**Chandra X-ray  
Observatory Center**

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**Sagittarius A\*:** The supermassive black hole at the center of the Milky Way.  
(Credit: X-ray: NASA/CXC/UCLA/Z.Li et al; Radio: NRAO/VLA)

**Caption:** New evidence has been uncovered for the presence of a jet of high-energy particles blasting out of the Milky Way's supermassive black hole known as Sagittarius A\* (Sgr A\*). This image of Sgr A\* and the region around it contains some of the data used in the study, with X-rays from Chandra (purple) and radio emission from the Very Large Array (blue). Jets of high-energy particles are found throughout the Universe on large and small scales. The likely discovery of a jet from Sgr A\* helps astronomers learn more about the giant black hole, including how it is spinning.

**Scale:** Image is 1.2 arcmin across. (about 9 light years)

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*