



**Chandra X-ray  
Observatory Center**

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**SDSS J1354+1327:** A galaxy with a supermassive black hole about 800 million light years away.  
(Credit: X-ray NASA/CXC/University of Colorado/J. Comerford et al.; Optical: NASA/STScI)

**Caption:** Using data from several telescopes including Chandra, astronomers have caught a supermassive black hole snacking on gas and “burping” twice. This graphic shows the galaxy, called SDSS J1354+1327 (J1354 for short), in a wide-field image from Hubble. The inset box contains the Chandra data of the central region around the galaxy’s supermassive black hole. The combined X-ray and optical data reveal that the supermassive black hole in J1354 consumed two clumps of stars and gas about 100,000 years apart.

**Scale:** The full field image is about 160,000 light years across. The inset image is about 13,000 light years across.

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*

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