

## Image: 3C 397: An unusual galactic supernova remnant

November 7 2013

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Credit: X-ray: NASA/CXC/Univ of Manitoba/S.Safi-Harb et al, Optical: DSS, Infrared: NASA/JPL-Caltech

3C 397 (also known as G41.1-0.3) is a Galactic supernova remnant with an unusual shape.

Researchers think its box-like appearance is produced as the heated remains of the exploded star—detected by Chandra in X-rays (purple)—runs into cooler gas surrounding it.

This composite of the area around 3C 397 also contains [infrared emission](#) from Spitzer (yellow) and optical data from the Digitized Sky Survey (red, green, and blue).

Provided by Chandra X-ray Center

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