



OCTOBER 2016

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G299.2-2.9

G299.2-2.9 is a supernova remnant that was created when a star exploded about 4,500 years ago. This object, which glows brightly in X-rays, belongs to a particular class of supernovas called Type Ia. Astronomers think that a Type Ia supernova involves a thermonuclear explosion— involving the fusion of elements and release of vast amounts of energy—of a white dwarf star in a tight orbit with a companion star. In this image, red, green, and blue represent low, medium, and high-energy X-rays, respectively, detected by Chandra. The X-rays have been combined infrared data, which show the stars in the field of view.

Credit: X-ray: NASA/CXC/U.Texas/S.Post et al, Infrared: 2MASS/UMass/IPAC-Caltech/NASA/NSF