



**Chandra X-ray
Observatory Center**

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Geminga and B0355+54: Two pulsars about 800 and 3,400 light years from Earth respectively.
(Credit: X-ray: NASA/CXC/PSU/B.Posselt et al; Infrared: NASA/JPL-Caltech; Illustration: Nahks TrEhnl
Credit: X-ray: NASA/CXC/GWU/N.Klingler et al; Infrared: NASA/JPL-Caltech; Illustration: Nahks TrEhnl)

Caption: This four-panel graphic shows the two pulsars, Geminga (upper left) and B0355+54 (upper right), observed by Chandra. In both of these images, Chandra's X-rays, colored blue and purple, are combined with infrared data from Spitzer that shows stars in the field of view. Below each data image, an artist's illustration depicts more details of what astronomers think the structure of each pulsar wind nebula looks like. New Chandra data on the shape of these structures may explain the presence or absence of radio and gamma-ray pulses.

Scale: Geminga Image is 4.6 arcmin across (About 1 light year); PSR B0355+54 image is 1.8 arcmin across (About 1.8 light years)

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
