



**Chandra X-ray
Observatory Center**

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Cassiopeia A: The debris from a star that exploded over 300 years ago.

(Credit: Visualization: NASA/CXC/D.Berry; Model: NASA/CXC/MIT/T.Delaney et al.)

Caption: This visualization is a three-dimensional model constructed using data from Chandra, Spitzer, and ground-based optical telescopes. Scientists determined the positions of the different telescopes, represented by the various colors represent, using the Doppler effect. That information was then put into a medical imaging program adapted for astronomical use before commercial software was used to create the final visualization. This is the first time such a multiwavelength three-dimensional model of a supernova remnant has been created.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
