



**Chandra X-ray  
Observatory Center**

Harvard-Smithsonian Center for Astrophysics  
60 Garden St. Cambridge, MA 02138 USA  
<http://chandra.harvard.edu>

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**Cassiopeia A:** A supernova remnant located about 11,000 light years away.  
(Credit: X-ray: NASA/CXC/RIKEN/T. Sato et al.; Optical: NASA/STScI)

**Caption:** A new movie of Cassiopeia A shows how this supernova remnant has changed from 2000 to 2013. The low, medium, and high-energy X-rays detected by Chandra are red, green, and blue respectively. The movie shows how 10-million-degree gas is expanding outward after the explosion that destroyed the star. The X-rays have been overlaid on an optical light image taken by Hubble from a single time period to emphasize the changes in the Chandra data over time.

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*

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