



**Chandra X-Ray
Observatory Center**

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

Cassiopeia A: A supernova remnant in the constellation Cassiopeia.
Credit: NASA/GSFC/U.Hwang et al.

Chandra's 14-hour observation of the supernova remnant Cassiopeia A (Cas A) has given the best map yet of heavy elements ejected in a supernova explosion. These images are designed to show the distribution of some of the elements ejected in the explosion that produced Cas A. The elements are part of a gas that has a temperature of about 50 million degrees Celsius. The colors represent intensity of X rays, with yellow the most intense, then red, purple, and green.

Images: Upper left: Broadband X-Ray image. Upper right: Silicon.
Lower left: Calcium. Lower right: Iron.

Scale: All images are 8.5 arcmin on a side.
Chandra X-Ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory