




**Chandra X-Ray  
Observatory Center**

Harvard-Smithsonian Center for Astrophysics  
 60 Garden Street, Cambridge, MA 01238 USA  
<http://chandra.harvard.edu>

**C153:** A galaxy 3 billion light years from Earth in the galaxy cluster A2125.

**Credit:** X-ray: NASA/CXC/SAO/UMass/D. Wang et al.; Optical: NASA/STScI/U. Alabama/W. Keel; Radio: NSF/NRAO/F. Owen; Optical [OII]: NSF/NOAO/KPNO/M.Ledlow

The composite image at left spans about one million light years. It was made by combining the four images at right. These images offer a dramatic look at C153, a galaxy being stripped of its gas as it races at 4.5 million miles per hour through a vast cloud of 20-million-degree Celsius gas located in a cluster of galaxies. Long streamers of gas with temperatures ranging from 10 thousand (visible [oxygen or OII]) to 10 million degrees (X-ray) Celsius have been driven from the galaxy by the pressure of the hot cluster gas. Hubble's visible-light image reveals evidence of a large-scale disturbance of the galaxy. Radio observations depict jets of high-energy particles produced by a supermassive black hole.

**Scale:** Each panel is 34 arcsec per side.

*Chandra X-ray Observatory ACIS Image*