



**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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**Crab Nebula:** A supernova remnant located about 6,500 light years from Earth.  
(Credit: X-ray: NASA/CXC/SAO; Optical: NASA/STScI; Infrared: NASA/JPL/Caltech; Radio:  
NSF/NRAO/VLA; Ultraviolet: ESA/XMM-Newton)

**Caption:** Astronomers have produced a highly detailed image of the Crab Nebula by combining data from telescopes spanning nearly the entire breadth of the electromagnetic spectrum. This image contains data from five different telescopes: the VLA (radio) in red; Spitzer (infrared) in yellow; Hubble (visible) in green; XMM-Newton (ultraviolet) in blue; and Chandra (X-ray) in purple. Chandra has observed the Crab Nebula repeatedly since the telescope was launched into space in 1999.

**Scale:** Image is about 5 arcmin across (About 10 light years)

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*

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