



**Chandra X-ray
Observatory Center**

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

SN 2007on in NGC 1404: A supernova that appeared in the galaxy NGC 1404 in late 2007
(Credit: X-ray: NASA/CXC/MPE/R. Voss et al.; Optical: NASA/Swift)

Caption: Chandra's X-ray image (left), obtained in 2003, shows the same field-of-view on the sky as an optical view from the Swift satellite from November 2007 (right). An X-ray source appears close, but not exactly aligned, to where the supernova was detected. A progenitor to such a Type Ia supernova has never been detected, but would provide answers to important questions about the exact configuration and trigger for these explosions. Further observations are needed to determine whether this X-ray source is the progenitor of SN 2007on.

Scale: Each panel is 2.4 arcmin across.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
