



Agenda

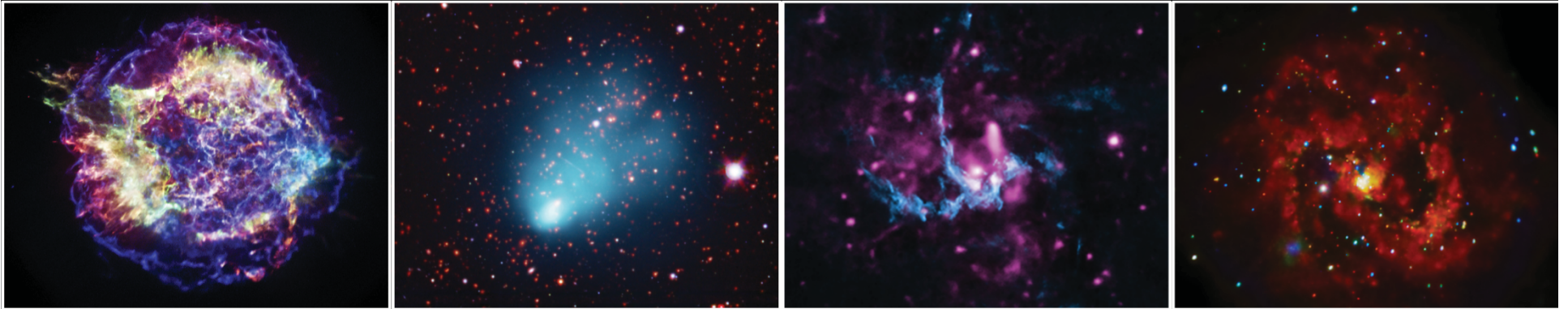
- Introduction
 - Martin Weisskopf, Chandra Project Scientist
- Science Highlights
 - Harvey Tananbaum, Chandra X-Ray Center (CXC) Director
- Maximizing Chandra Science
 - Belinda Wilkes, CXC Assistant Director
- Technical and Budget
 - Roger Brissenden, CXC Manager
- Discussion

2014 Senior Review

CHANDRA X-RAY OBSERVATORY

Introduction

Martin C. Weisskopf
Chandra Project Scientist
2014 March 24



- Chandra is unique – IC443
- Chandra is essential – Crab monitoring
- Chandra is long-lived and well calibrated – SN 1987A

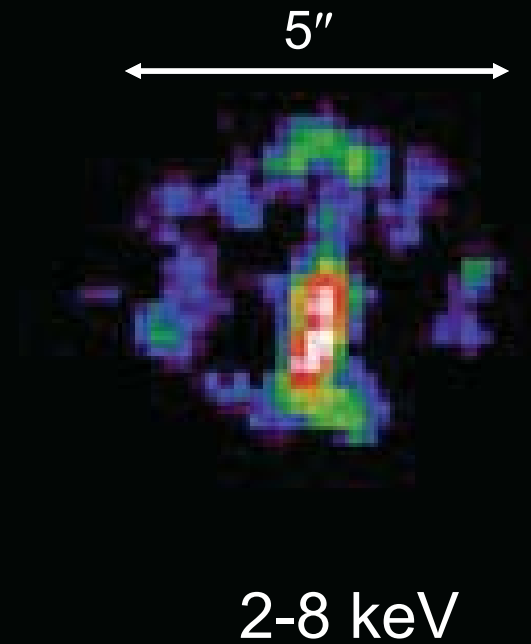
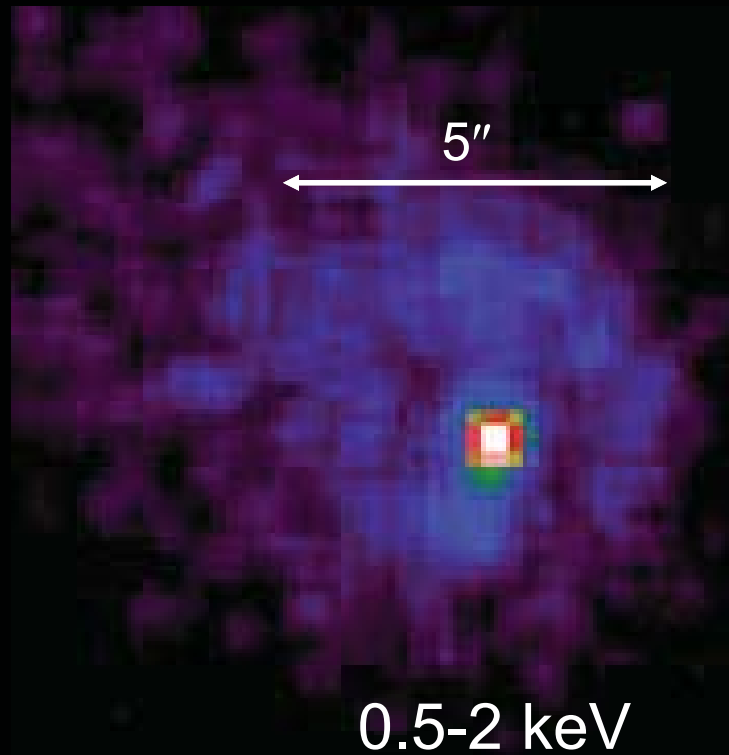
Vital to astronomy and astrophysics for the foreseeable future

Chandra is Unique

2

No other X-ray observatory, now or in the foreseeable future, approaches Chandra's angular resolution and sensitivity for X-ray source detection and mapping

IC 443 Supernova Remnant





Chandra is Essential

3

Chandra is well-matched to capabilities of major observatories at all wavelengths, making it critically important for providing a more complete view of many phenomena

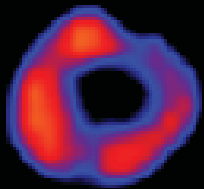
Monitoring the Crab to search for the site of the γ -ray flares
Also stimulates the development of new analysis techniques

Chandra is Long-Lived and Well-Calibrated

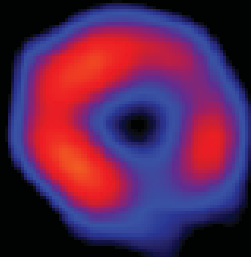
4

Stable and calibrated performance provide another dimension to Chandra's uniqueness and usefulness to the community

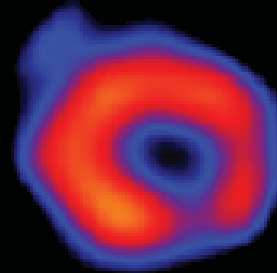
Long-term monitoring of SN 1987A (3.6" x 3.6")



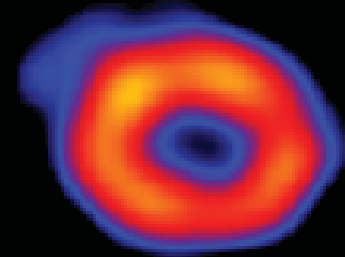
10/1999



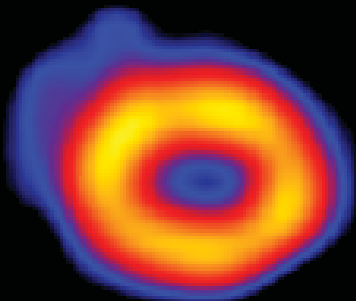
12/2001



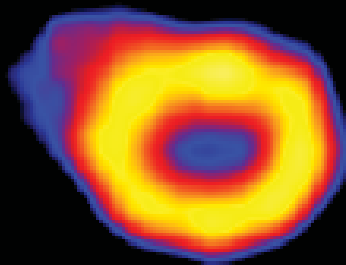
7/2003



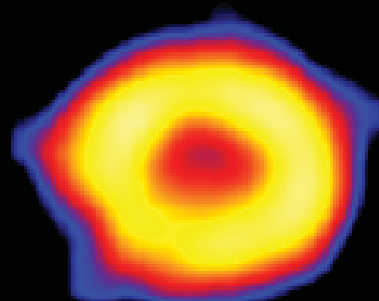
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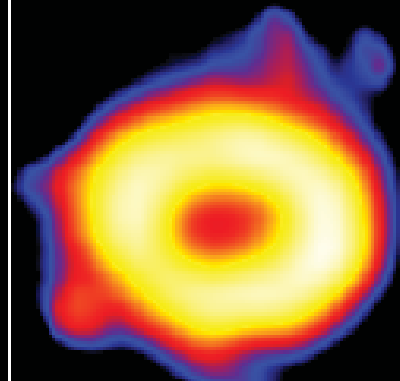
7/2007



7/2009



9/2011



9/2013

Courtesy Dave Burrows (2014)