## The Chandra X-ray Observatory

## Vital Statistics

- <0.5" spatial res.</li>
- 600cm² area @1.5keV
- 16'\*16' FoV
- F<sub>x</sub>~4e-16 in 10<sup>5</sup> secs
- >1000 E/ΔE (50-160Å)



Great Observatories Workshop

Belinda Wilkes, May 2006

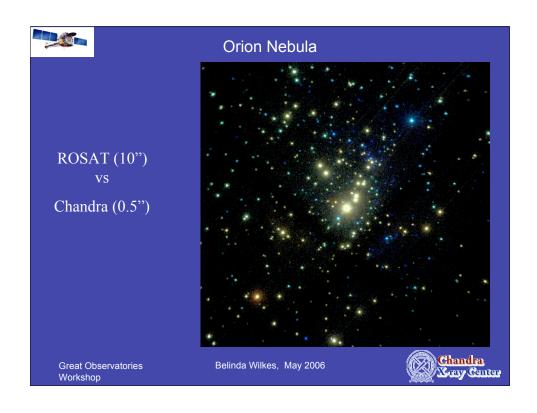


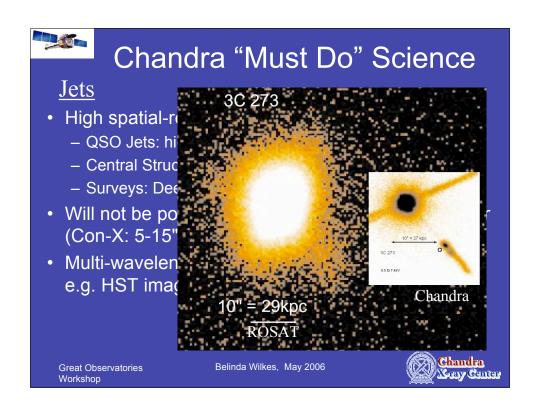


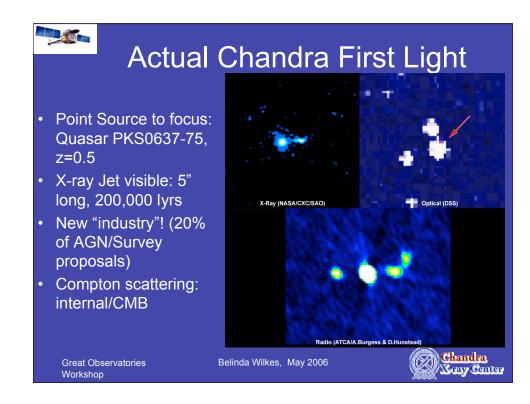
## **Chandra Status**

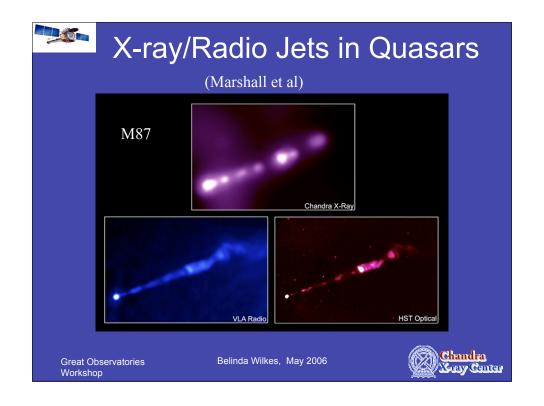
- Currently observing Cycle 7 targets
- Cycle 8 Peer Review in June, results 7 July 2006
- · Satellite and instruments performing well
- · No major changes anticipated
- Scheduling restricted by need to moderate onboard temperatures, change in limits Dec 2005 eased this somewhat
- Oversubscription continues at ~6.5 (on time)
- Science, papers, citations continue at high levels
- · No lifetime issues, determined by funding only

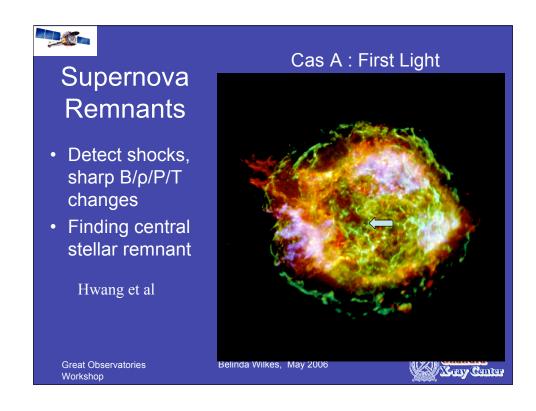
Chandra X-ray Center

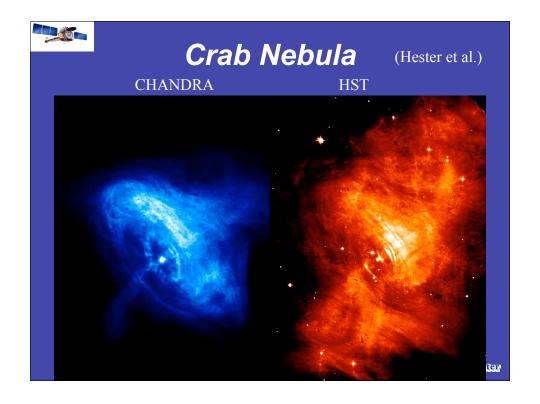




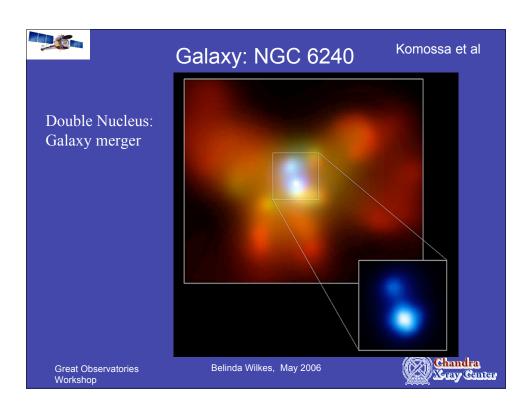


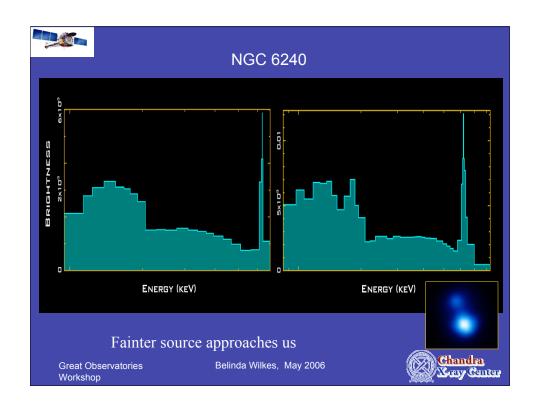


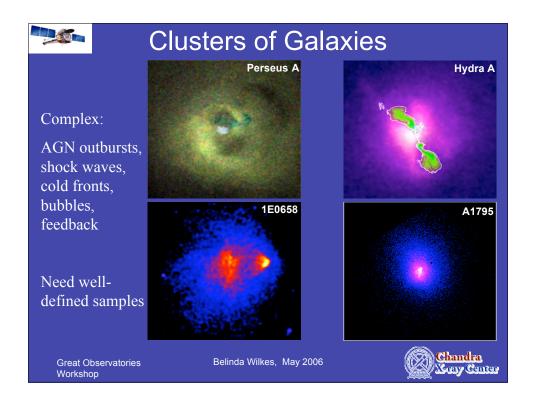


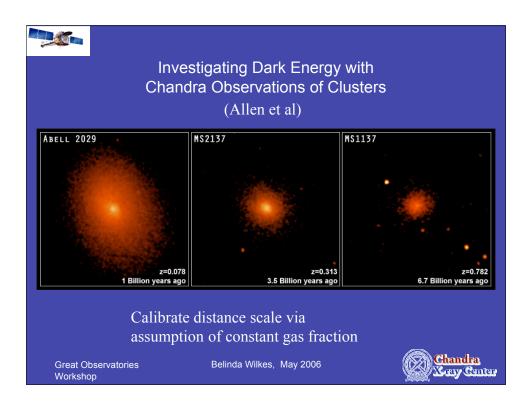


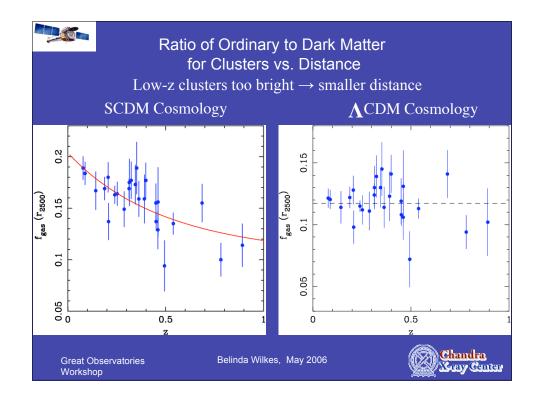


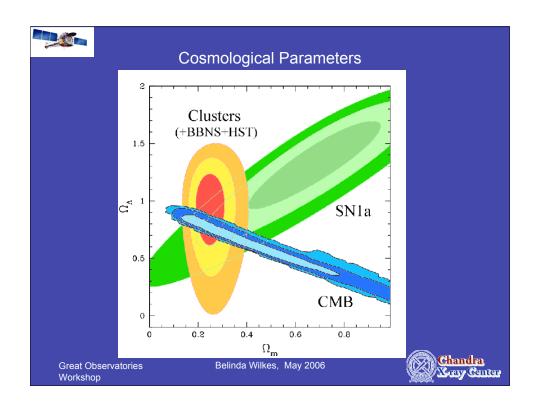


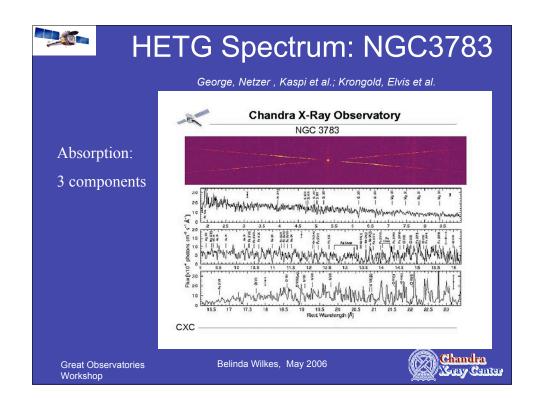














Complementary:

- Deep, narrow: CDFS, CDFN (Brandt, Hasinger et al)
- Medium wider: SWIRE, ChaMP (Lonsdale, Wilkes, Green et al)
- Shallow, wide: Bootes (Murray, Forman et al)
- Aim: to find large enough samples of rare objects for detailed study by Con-X
- Are we doing enough? X-ray Surveys Workshop, Nov 6-8, Cambridge MA

Workshop

Chandra

X-ray Center

**Great Observatories** Belinda Wilkes, May 2006