

X-raying the Distant Universe: Latest Results from the Deepest Extragalactic Surveys

W.N. Brandt¹

¹ *Penn State Astronomy & Astrophysics*

Abstract

I will review the latest results from deep surveys of the Cosmic X-ray Background (CXRB) with the Chandra and XMM-Newton missions. Results covered will include (1) the fraction of the CXRB resolved, (2) measurements of the number-density evolution and X-ray spectral evolution of active galactic nuclei (AGN), (3) the selection completeness of AGN in deep X-ray surveys, (4) the AGN content of infrared, submillimeter, and radio selected sources, and (5) X-ray emission from distant starburst and normal galaxies. I will also describe some outstanding problems and prospects for current and future X-ray missions.