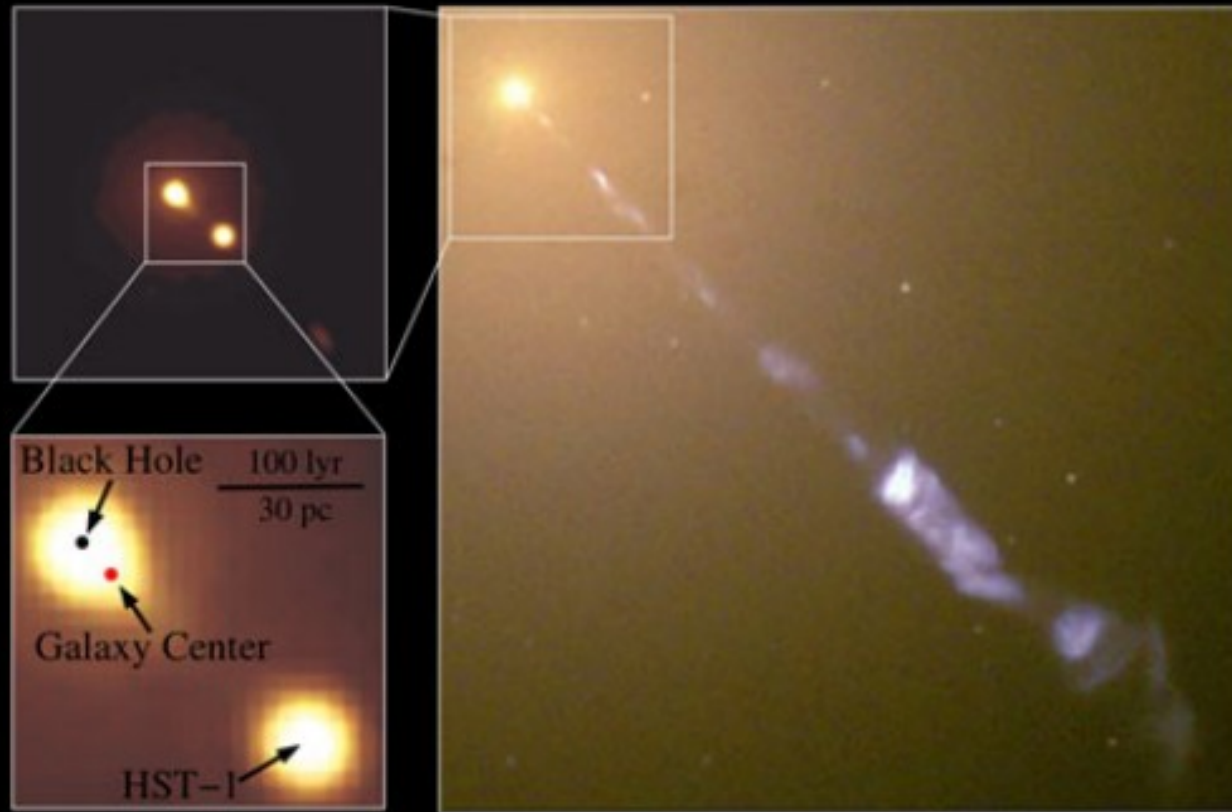


Active Galactic Nuclei

M 87

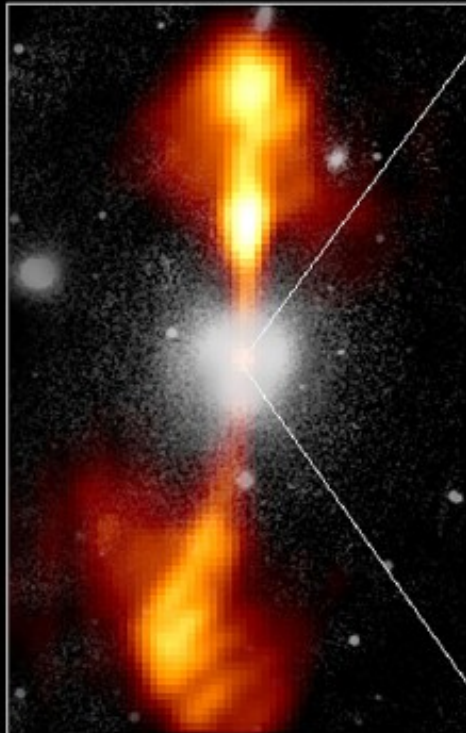
Accreting supermassive BHs (up to billions of Solar masses) at the center of galaxies



NGC 4261

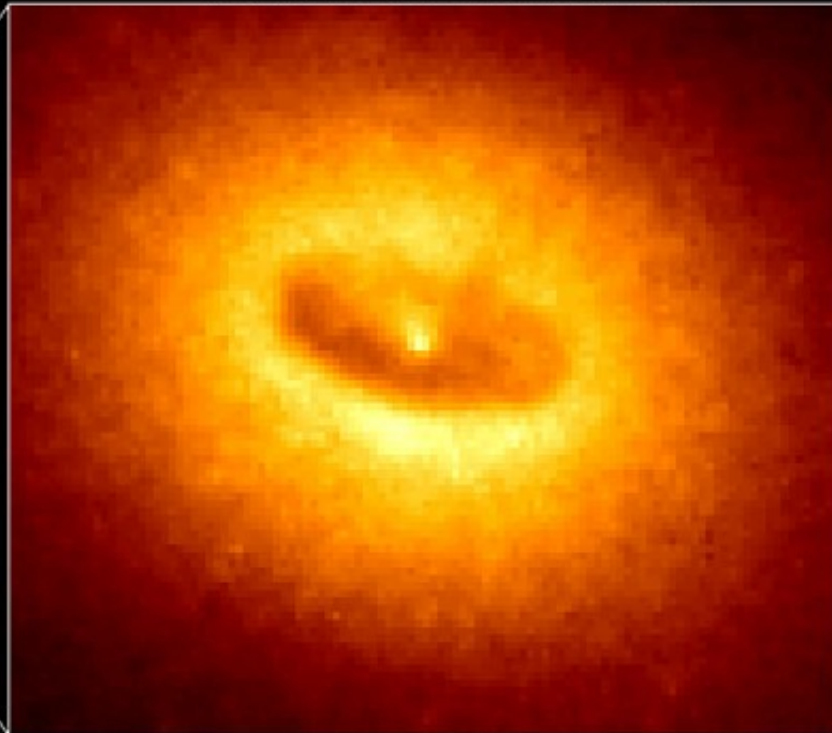
Hubble Space Telescope
Wide Field / Planetary Camera

Ground-Based Optical/Radio Image

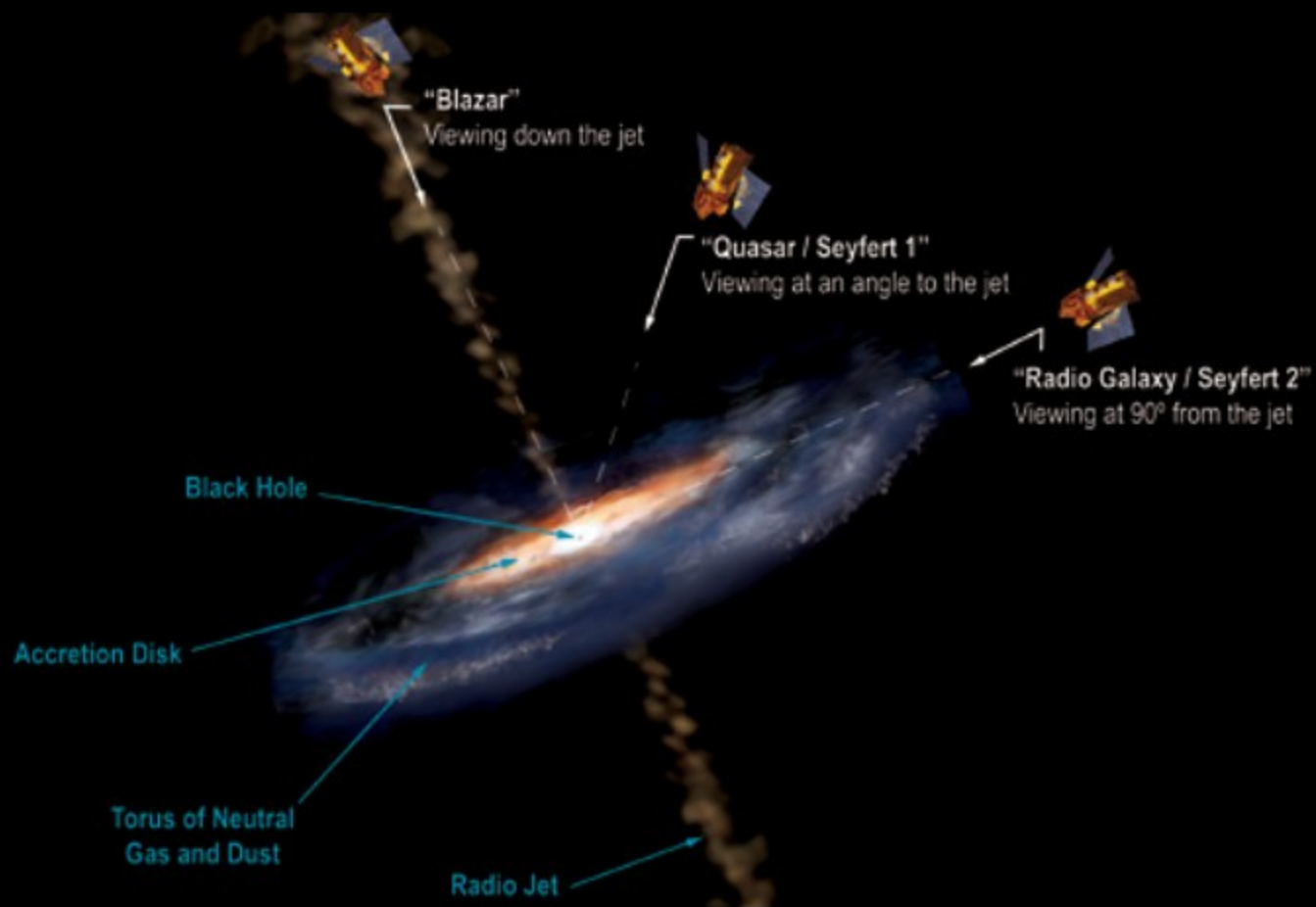


380 Arc Seconds
88,000 LIGHTYEARS

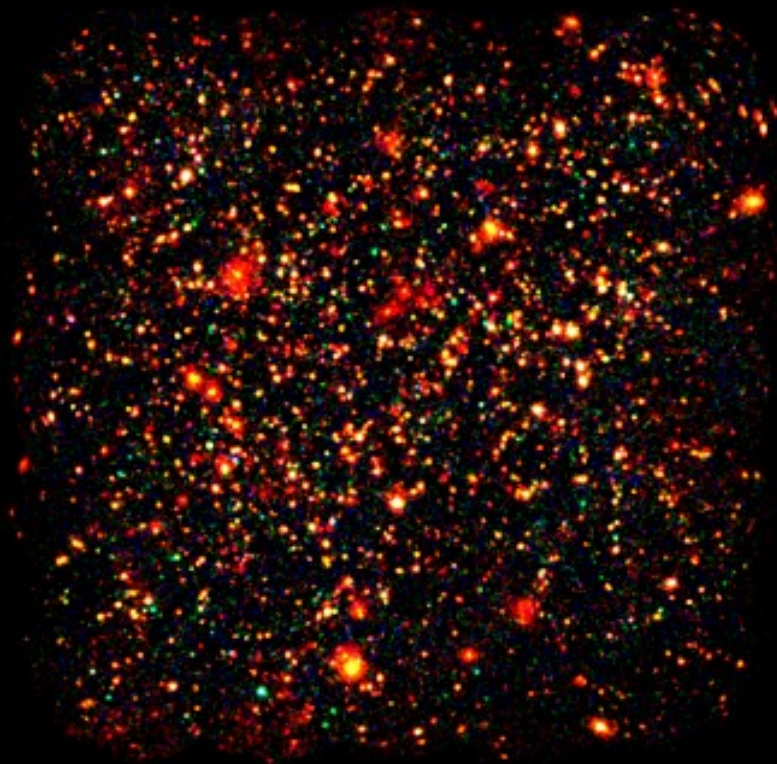
HST Image of a Gas and Dust Disk



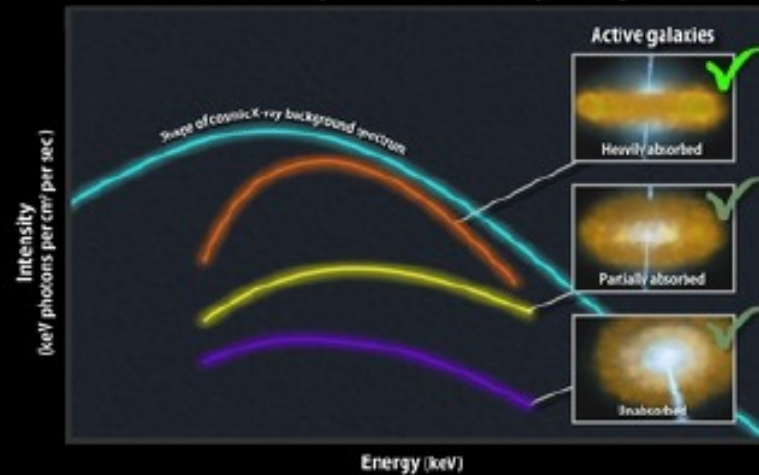
1.7 Arc Seconds
400 LIGHTYEARS



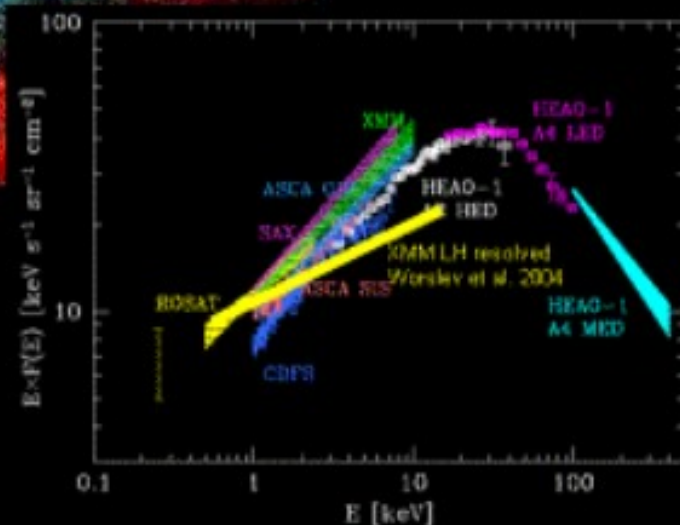
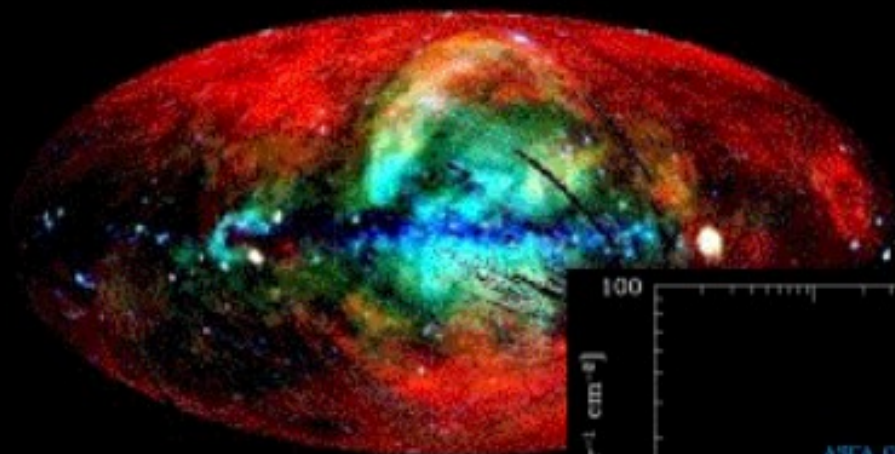
CBX



What makes up the cosmic X-ray background?



CXB is due to unresolved X-ray emission from distant AGNs



Removing discrete X-ray sources, residual diffuse emission