



**Chandra X-ray
Observatory Center**

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QSO PS0167-13: A black hole obscured by gas and dust about 13 billion light years from Earth.
(Credit: X-ray: NASA/CXO/Pontificca Catholic Univ. of Chile/F. Vito; Radio: ALMA (ESO/NAOJ/NRAO);
Optical: PanSTARRS)

Caption: Chandra X-ray data have revealed what may be the most distant shrouded black hole. Found at a time only about 850 million years after the Big Bang, this black hole could help astronomers better understand an important epoch in the Universe. Optical light searches, represented by the large Pan-STARRS image, generally only uncover unobscured quasars. The X-rays from PSO167-13 show this black hole is veiled by thick clouds of gas and dust. The insets contain Chandra (left) and ALMA (right) images of the same fields of view around PSO167-13.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
