The Nuclear and Extended Emission from Arp 220

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Abstract

Chandra ACIS-S observations are presented for Arp 220, the prototypical ultraluminous infrared galaxy. The cool extended emission from the starburst-driven superwind and the hot nuclear emission from a possible active nucleus have been analyzed and the results will be presented. In the 4-10-keV band, the nuclear emission is clearly extended in the E-W direction, but unresolved in the N-S direction. The total (0.1-10 keV) X-ray luminosity, corrected for absorption, is 5e40 erg/sec.

CATEGORY: ACTIVE GALAXIES AND QUASARS