



The Chandra Source Catalog 2.0: The Galactic Center Region



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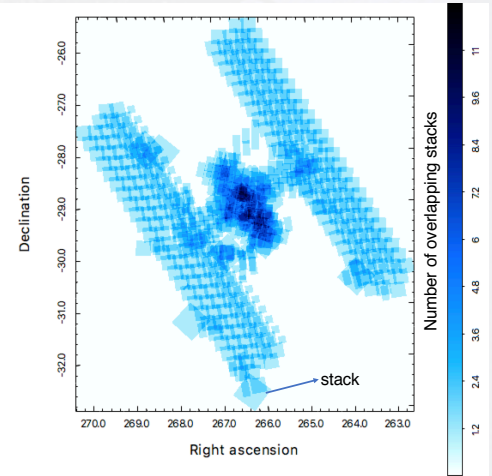
Galactic Center area coverage

- 1 ensemble*
- 379 stacks** (36 HRC and 343 ACIS)
- 534 single *Chandra* observations
- Total area covered ~ 19 deg²
- Total exposure time ~ 9 Megaseconds

*Ensemble: overlapping stacks

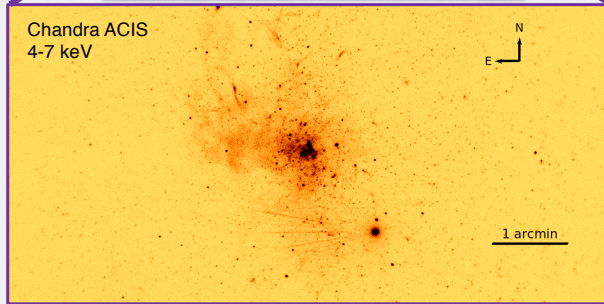
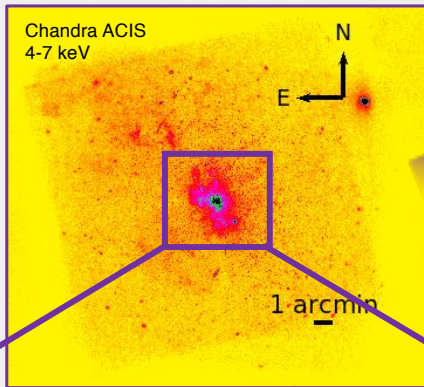
**Stacks: overlapping observations whose aimpoint is within 60" of each other [See poster #238.06](#)

Ensemble layout



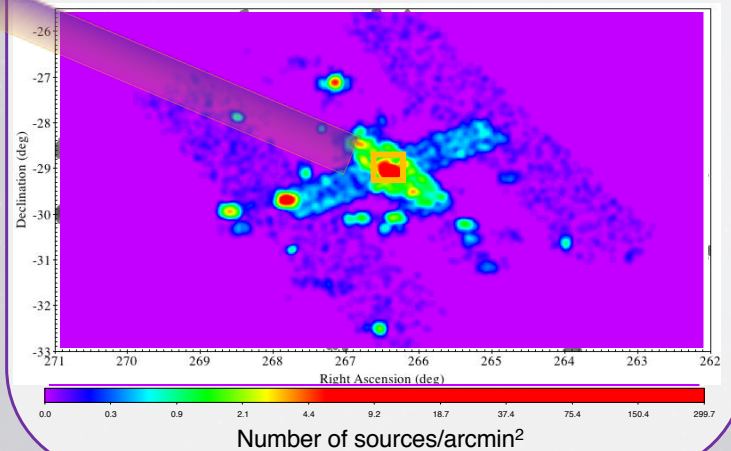
Zoom in the Galaxy core: the central 0.1 deg²

- 1 stack: 71 merged Chandra ACIS observations
- ~ 5000 sources



Source density distribution

- ~16,500 master sources
- 73% (~12,000) sources with likelihood classification TRUE



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