



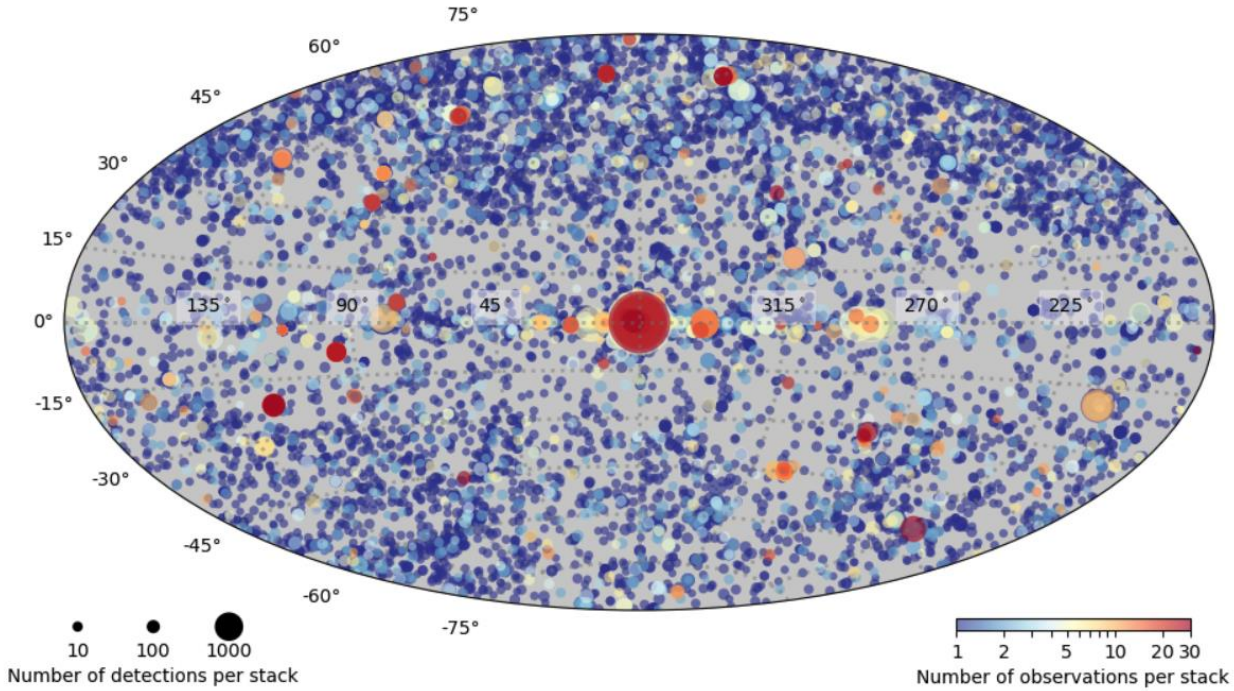
# CXC Data System CUC Report

5 Nov 2026

**Pepi Fabbiano**

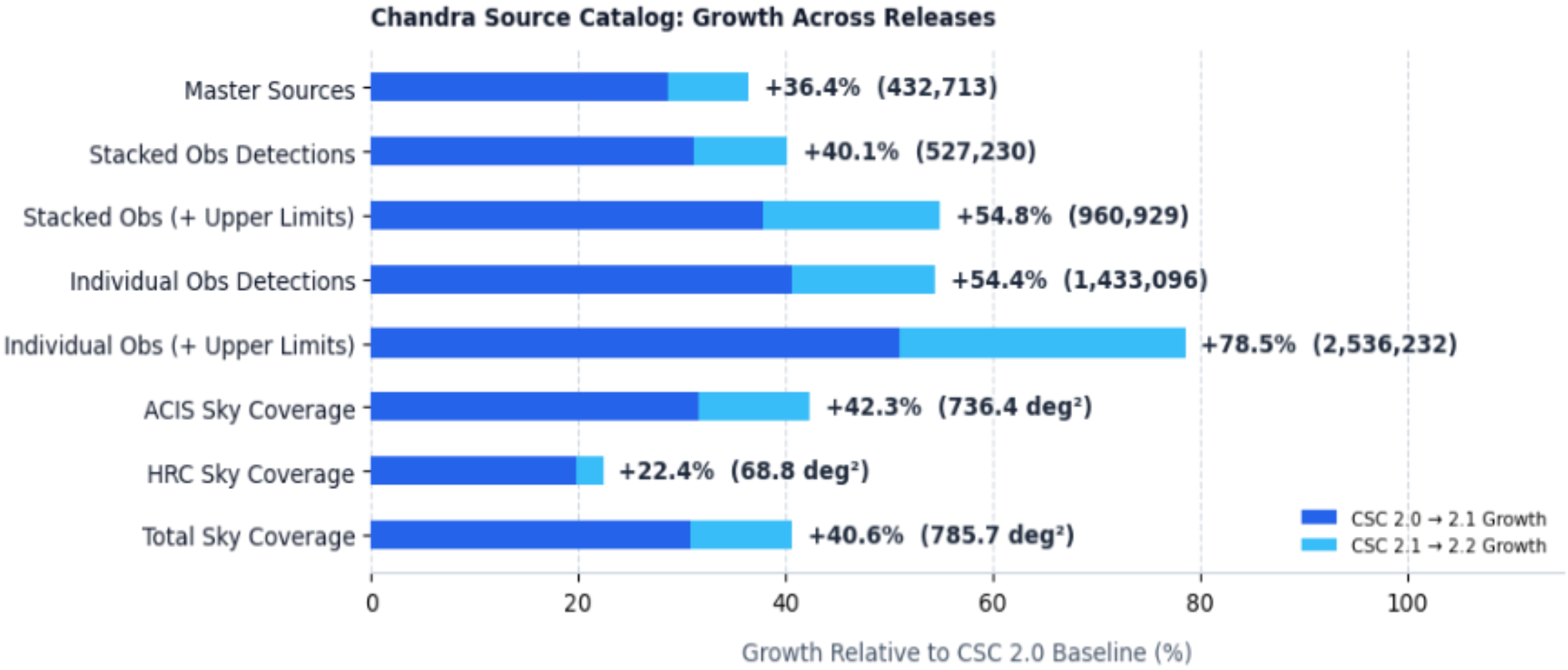
# Chandra Source Catalog

- **CSC 2.2 released October 5, 2026**
- 432,713 unique compact and extended X-ray sources (CSC2.1 – 407,806 sources)
  - Tabular information and calibrated data products
  - Added ACIS and HRC imaging observations 2022-2023
  - Observations with consistent pointing are stacked (co-added)
  - Catalog astrometry tied to Gaia-CRF3
  - The DOI for the catalog is: doi:10.25574/csc2



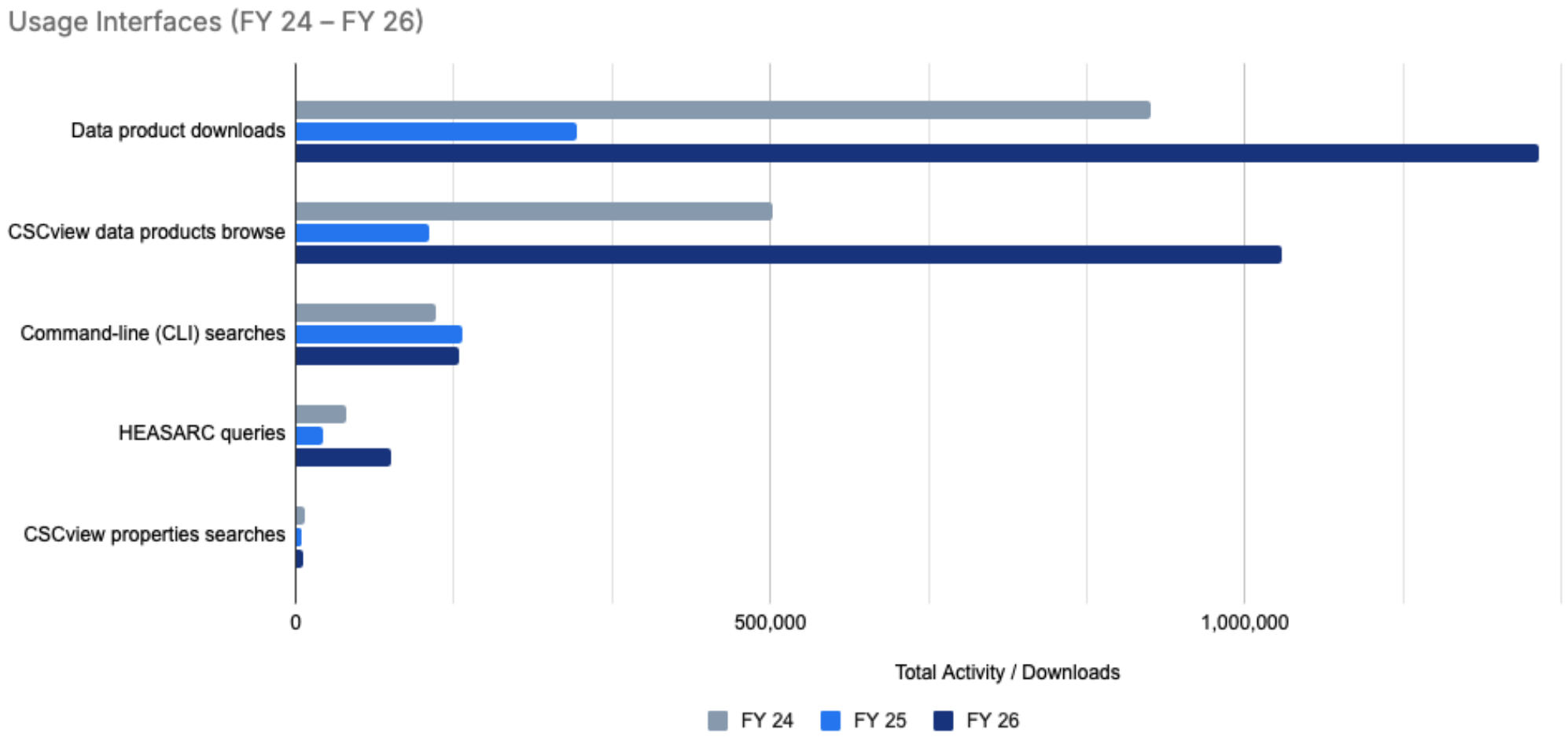
# Chandra Source Catalog History

- **CSC 2.2 adds years 2022-2023**
- **CSC 2.1 adds years 2015-2021**
- **CSC 2.0 all data through 2014 included**

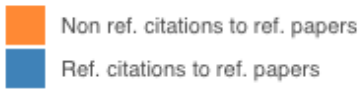


# Chandra Source Catalog Usage Statistics – pre-CSC2.2

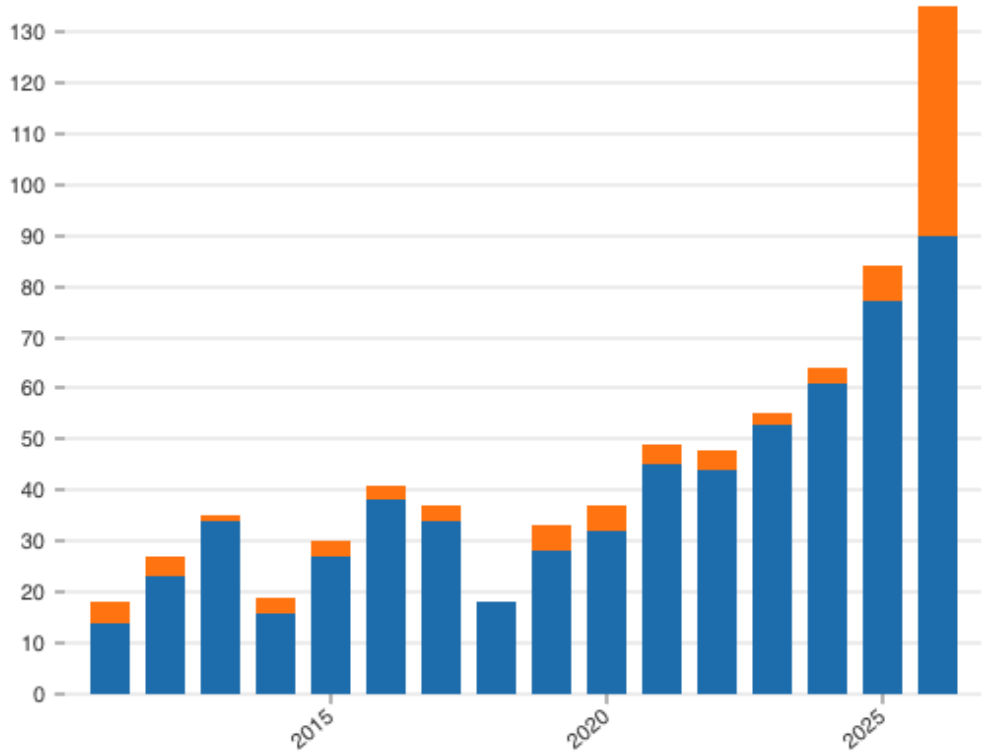
## Usage Stats: Over **3 Million** interactions | Over **90%** non-CfA Users
## In FY26: 523,675 CSC VO cone searches



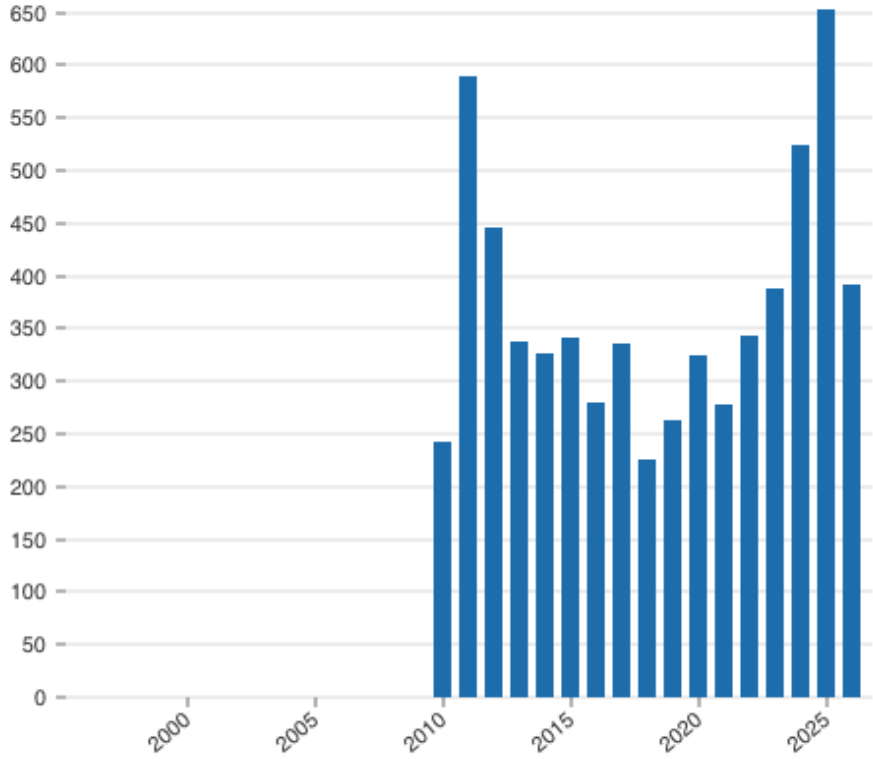
# Catalog Papers Combined Statistics




## Cited by 711 Refereed papers




## Reads per year




Evans, I. N., *et al.* 2010 ApJS, **189**, 37 "The *Chandra* Source Catalog"

Evans, I. N., *et al.* 2024 ApJS, **274**, 22 "The *Chandra* Source Catalog Release 2 Series"





# Data Processing & Archive Operations

- Continuing mission data processing and distribution

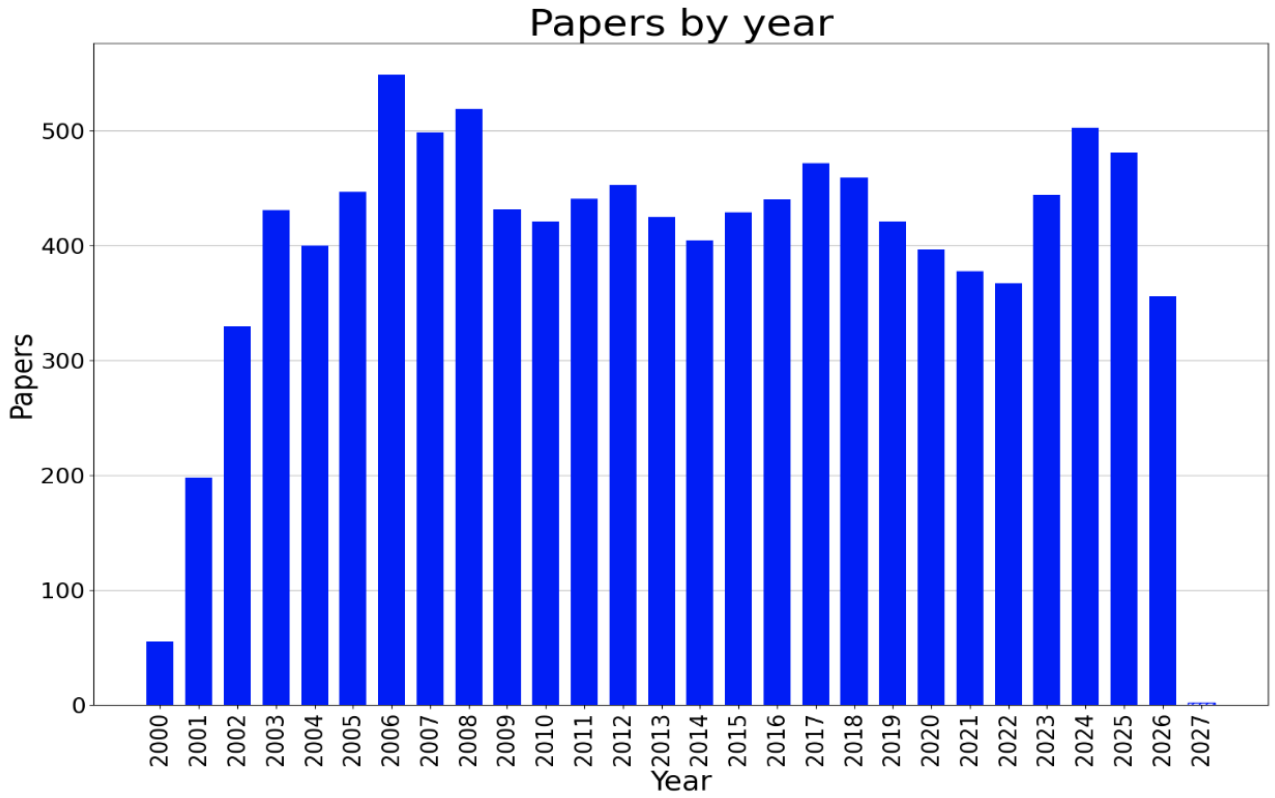
- Reprocessing of archival data
  - Completed the extension of 5th global reprocessing (ReproV+) to recent data (mid July 2021 to end of 2024)

- Data Volume
  - Total over the mission: 88.5 TB
  - Years 2024–2025: 2.1 TB / year

- Downloaded Data
  - Total over the mission: 529 TB - 18.7 TB / year
  - Significant increase over the last two years.
    - Years 2023–2024: **39 TB / year** (CSC data products)
    - Years 2024–2025: **67 TB / year**

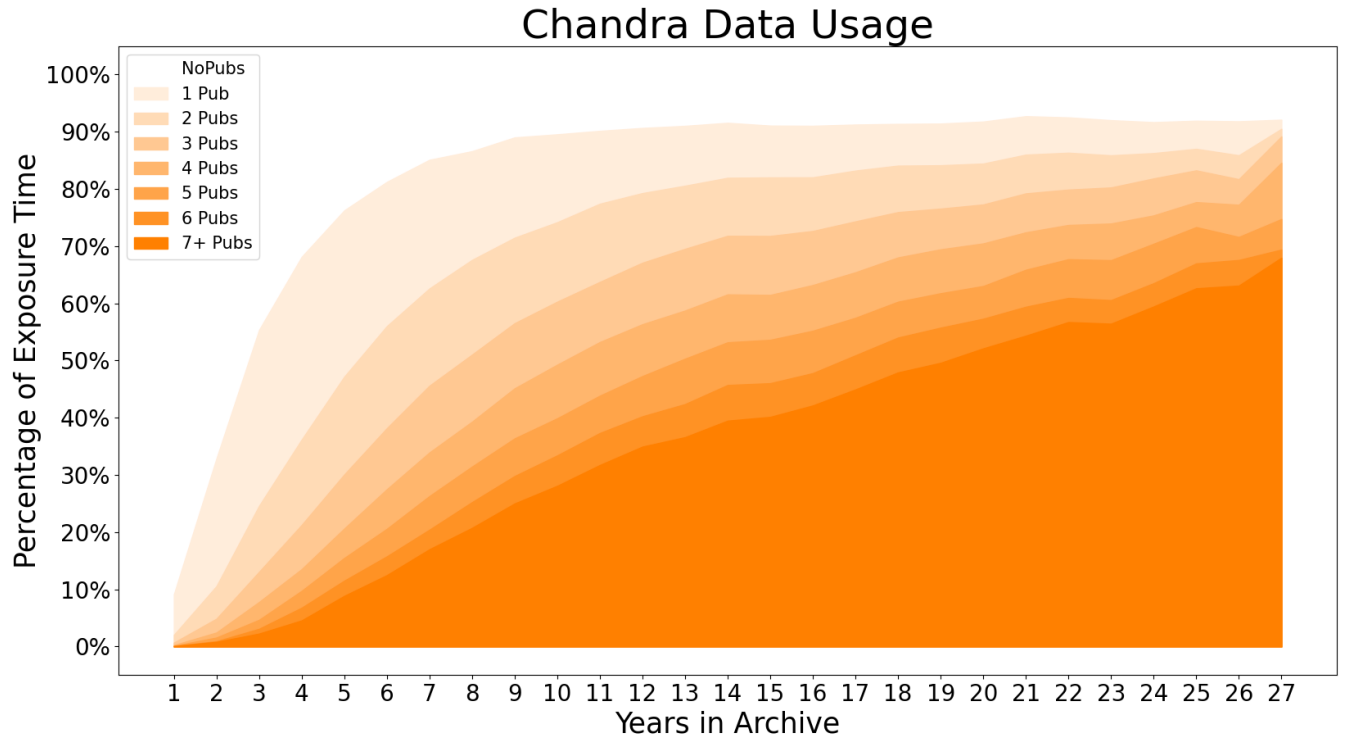
- 523 CDC DOI created so far (~2.9 CDC DOIs per week)

# Chandra Bibliography (up to the end of Oct 2026)




- Chandra Science Papers: **11,177** ➔ ~400/year
- Chandra-related Papers: **29,450**
- CSC Papers (Years 2022- 2026): **360**
- Mission H-index (ADS): **263 (refereed)**

# Chandra Science Data Usage




Literature-Obs links: **174,157**

- *On average,*
  - each ObsId used in 7.5 papers
  - each paper linked to 17.2 ObsIds