INTEGRAL Status@ GSFC

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Current INTEGRAL Activities at the HEASARC

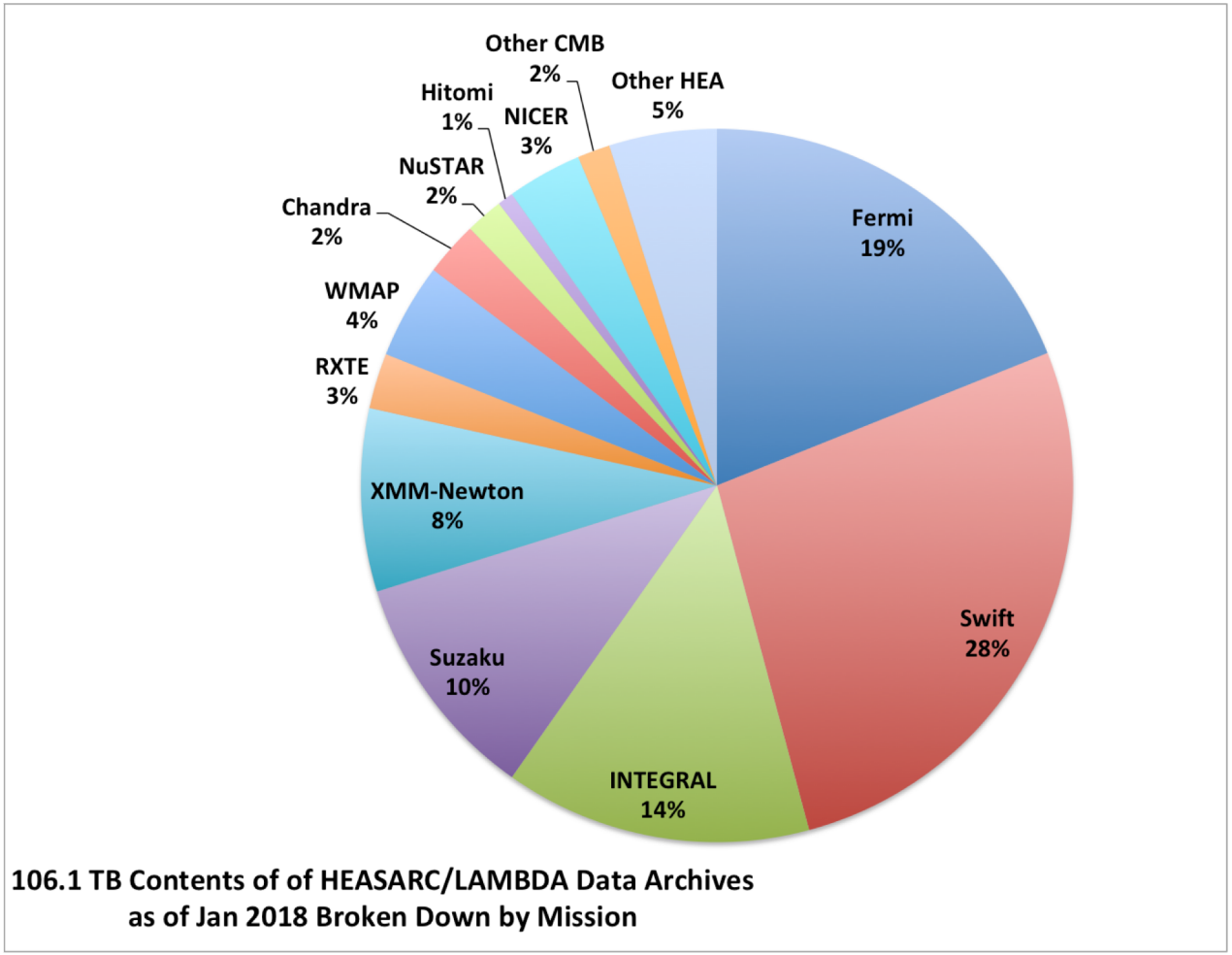
- The HEASARC maintains 19 searchable INTEGRAL catalogs including published catalogs in the literature.

- This includes an up-to-date mirror to the INTEGRAL data archive containing all public data (downloaded from the ISDC).
  - The archive includes all publically released data including ToOs and Galactic monitoring programs as they become available as well as up-to-date housekeeping data.
  - The HEASARC does not support the download of proprietary GO data by the observation PI or by the public for analysis of other sources in the FOV.

- The HEASARC maintains the INTEGRAL GOF webpage including links to INTEGRAL news (including RSS feeds) and an INTEGRAL help desk.

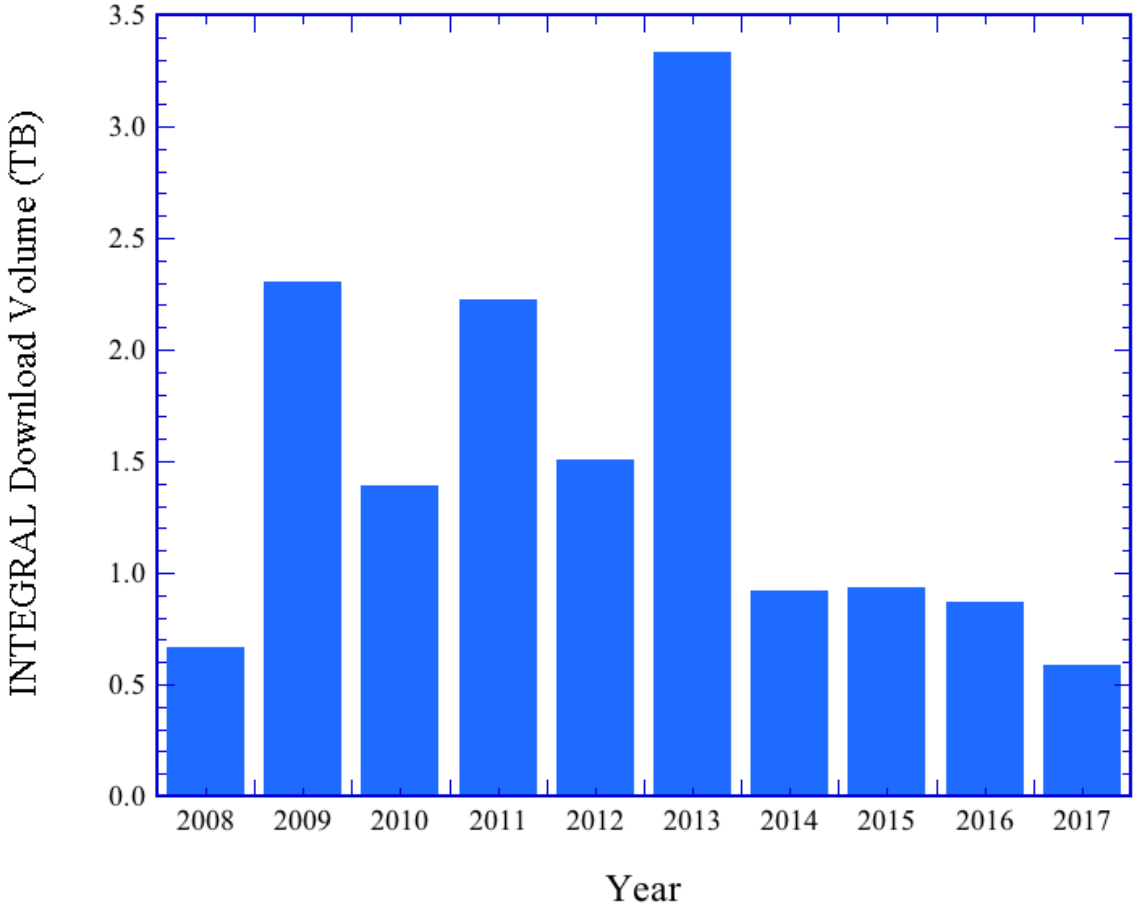
- HEASARC personnel remain a point of contact between ESA and NASA.

HEASARC Archive Holdings



- The INTEGRAL archive at the HEASARC is the third largest mission archive behind Swift and Fermi.

HEASARC Data Download Volumes



- Keep in mind that the HEASARC does not support the download either proprietary data.

INTEGRAL Research in the US

- The ESA-INTEGRAL webpage lists 37 INTEGRAL-related refereed publications so far in 2018 (as of 5-Nov-2018)
- 54% of these papers had US authors.
- Many of these papers represent collaborative science utilizing data from other observatories such as Swift, NuStar, Chandra, XMM-Newton, and IceCube.

NASA Senior Review - Fermi

- Periodic review to determine the fate of operating missions
  - Now every three years (used to be every two years)
  - Next review in 2019
- three principal criteria are:
  - (1) scientific merit, (2) relevance and responsiveness to the Astrophysics Division's strategic goals, and (3) technical capability and cost reasonablesness.
- Planning to focus on time domain astrophysics and multimessenger astrophysics (GW, Neutrinos and cosmic-rays)
- Synergies with existing and new missions/observatories (especially in time domain and multimessenger asrophysics)
  - Joint GBM-SPI/ACS analysis
- Likely to propose to improve science analysis software and lower onboard GBM trigger threshold
- Proposals due on Feb 1, 2019
- Panel review – March 11-14, 2019

NASA Senior Review - Swift

- Prioritized Mission Objectives
  - Multi-messenger signals (GW, neutrino)
  - Time-domain astrophysics (ZTF, LSST)
- Operational Initiatives
  - ToO Automation
  - Nearby Galaxy survey / monitoring
- Synergy Opportunities
  - Fast blue optical transients (e.g., AT2018cow)
  - X-ray binaries