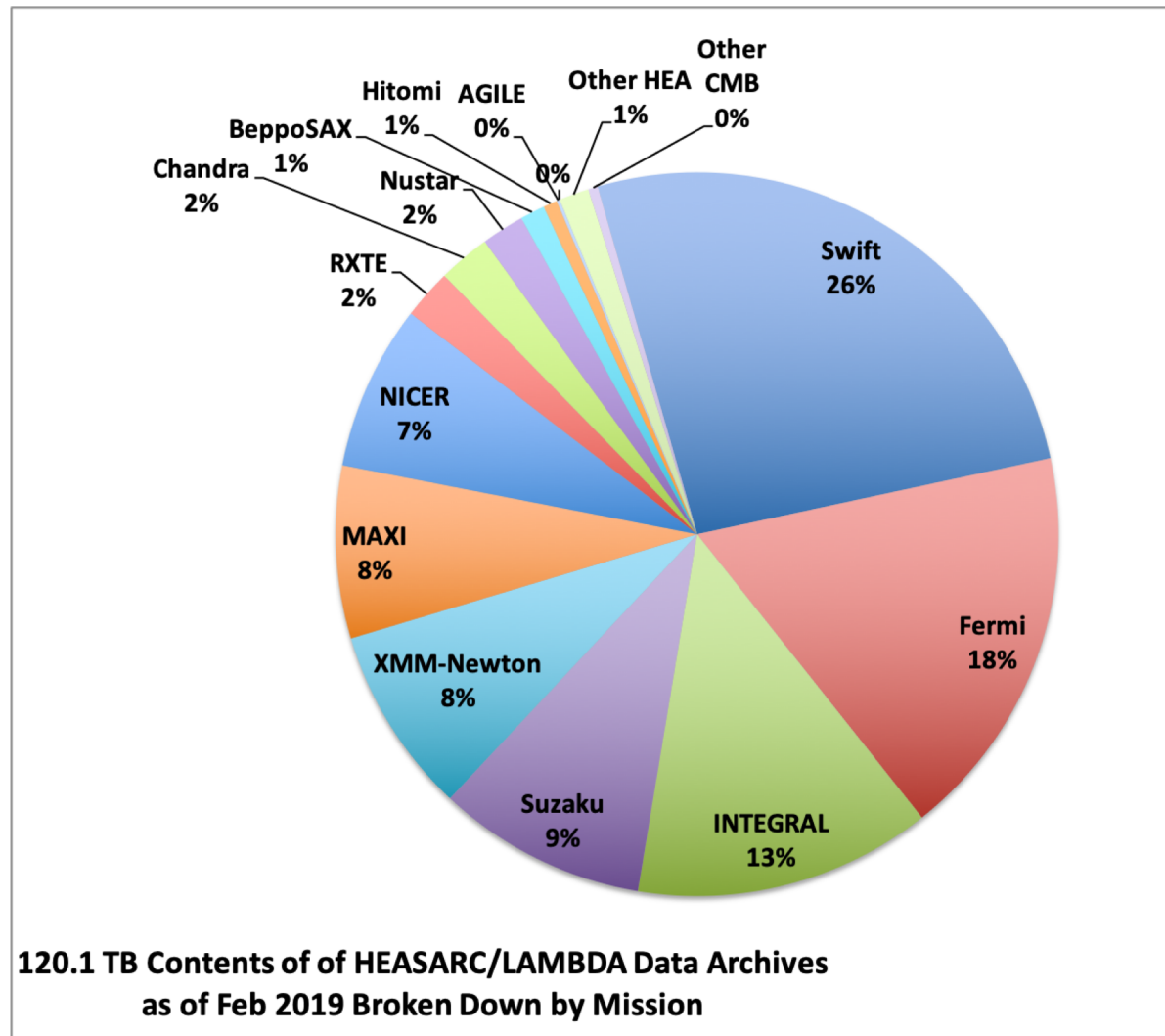


INTEGRAL Status@ GSFC

# Current INTEGRAL Activities at the HEASARC

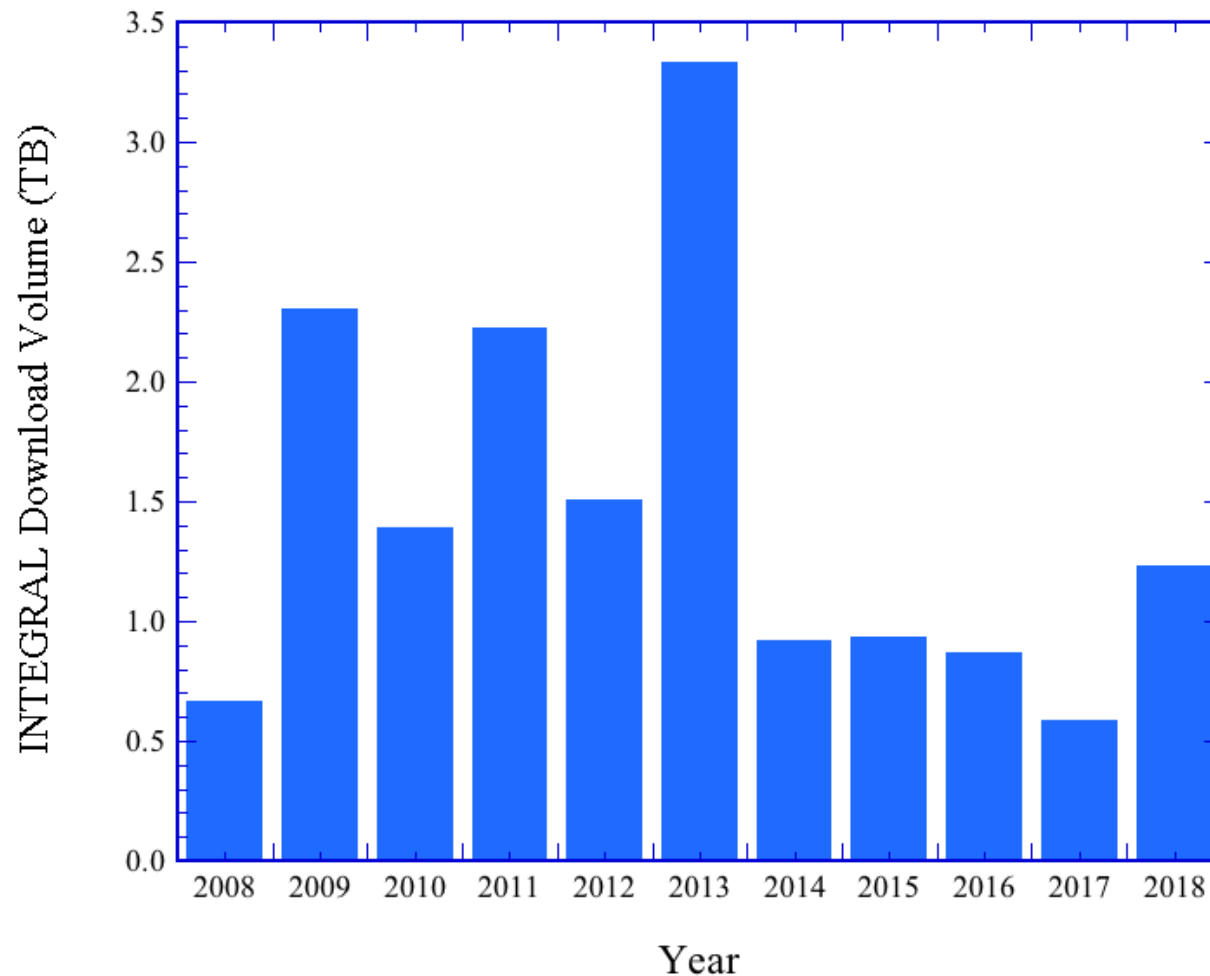
- The HEASARC maintains 19 searchable INTEGRAL catalogs including published catalogs in the literature.
- This includes an up-to-date mirror to the INTEGRAL data archive containing all public data (downloaded from the ISDC).
  - The HEASARC archive includes all public data including ToOs and Galactic 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



- The data download volume from the HEASARC has been  $\sim 1$  TB per year since 2014.
- Keep in mind that the HEASARC does not support the download of proprietary data.



# INTEGRAL Research in the US

- The ESA-INTEGRAL webpage lists 49 INTEGRAL-related refereed publications for the period 1-Jan-2019 through 20-Nov-2019.
- 43% of these papers had US authors and 29% had a US first author.
- Many of these papers represent collaborative multi-wavelength and multi-messenger science utilizing data from other observatories such as LIGO, VIRGO, NICER, Fermi, Swift, NuStar, Chandra, and XMM-Newton.

# *Neil Gehrels Swift Observatory*

## Updates

- Results from 2019 NASA Senior Review released
  - Very highly ranked (2<sup>nd</sup> tier of operating missions, behind *HST/Chandra*)
  - Continued operations funded through 2022 (anticipated  $\geq$  2025)
- UK funding renewed for 2 additional years (2020-2021)
- *INTEGRAL* AO17
  - Implemented 9 joint *INTEGRAL-Swift* GI proposals
- O3: Continuing to follow-up NS candidates as announced
  - Implemented new “many-point” capability to improve efficiency

# Fermi Updates

- Senior review is complete
  - Continued full operations until 2022, invited to next SR in 2022
- Fermi Guest Investigator program
  - Delayed by ~1 month due to US govt shutdown
  - Two proposals to the joint Fermi-Integral program (neither selected via Fermi GI program)
- Modified observations due to “stuck” solar panel
  - For ~30% of the time, transition to a survey profile that avoids the sun/antisun directions with Fermi-LAT, minimal impact on GBM operations
- Fermi-GBM and Fermi-LAT instrument teams continue to follow up on GW events during O3

Please Join us at the 9<sup>th</sup> Fermi Symposium!

Registration deadline Dec 7

