

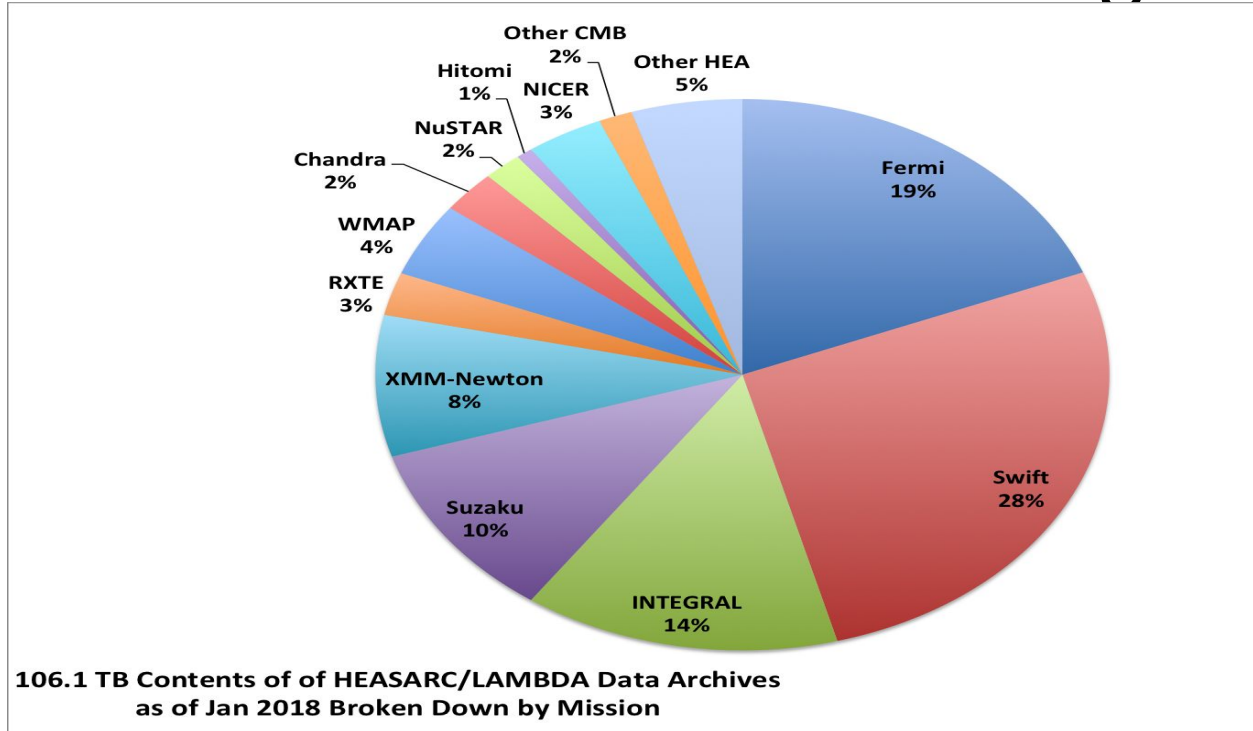
# INTEGRAL Status@ GSFC

Brad Cenko, Julie McEnery, and Steve  
Sturner

# Current INTEGRAL Activities at the HEASARC

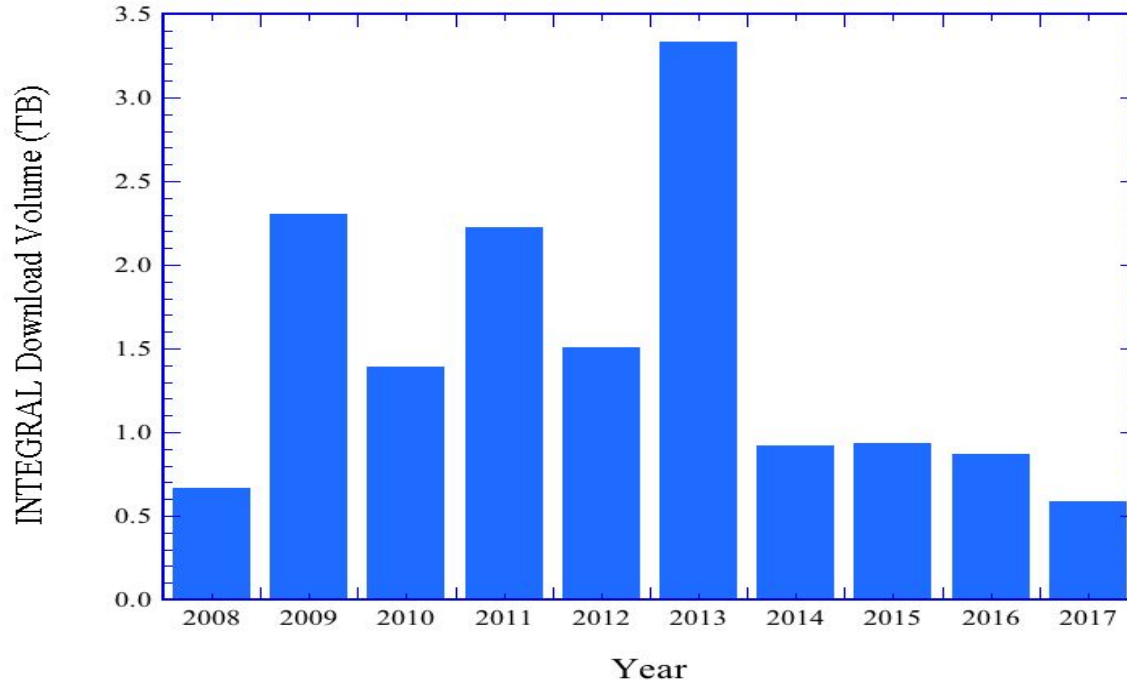
- The HEASARC maintains 19 searchable INTEGRAL catalogs including published catalogs in the literature.
- This includes an up-to-date mirror to the INTEGRAL data archive containing all public data (downloaded from the ISDC).
  - The archive includes all publically released data including ToOs and Galactic 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 or data for analysis of other sources in the FOV, i.e. “data rights” data.
- 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

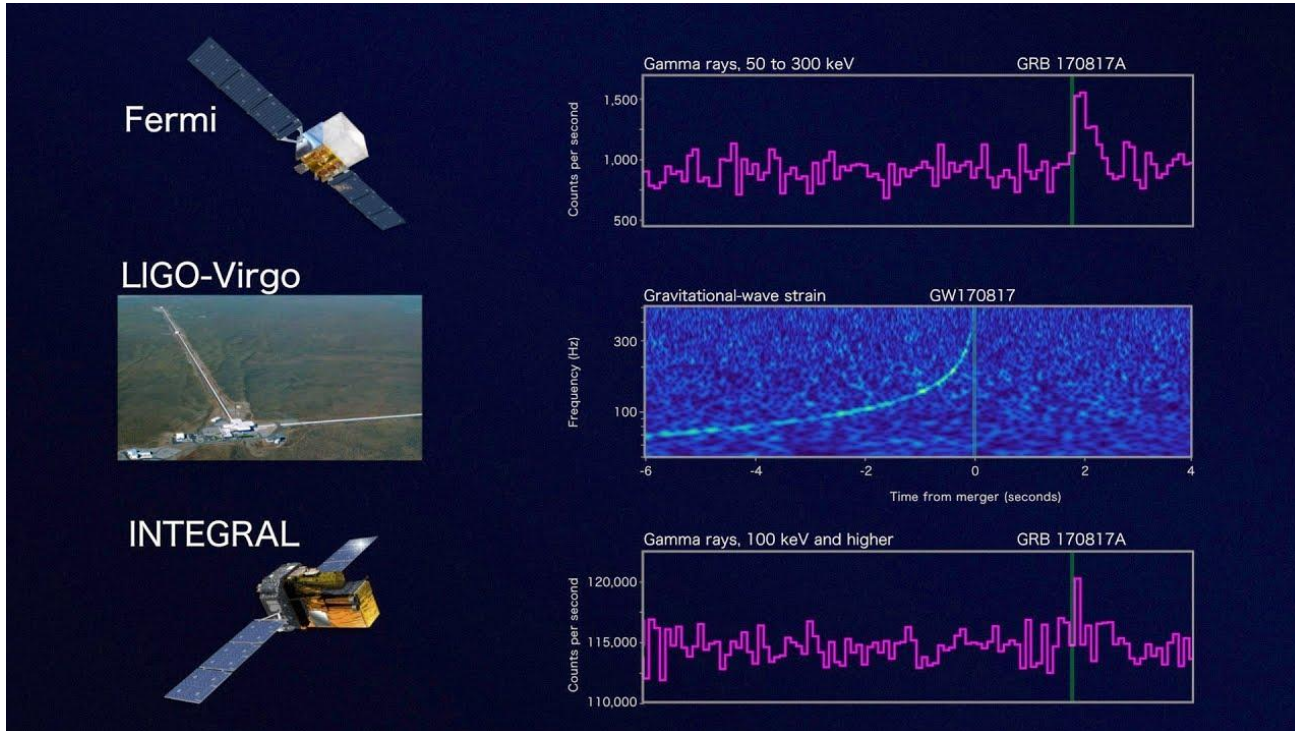


- Keep in mind that the HEASARC does not support the download of either proprietary or “data rights” data.

# INTEGRAL Research in the US (or US Missions)

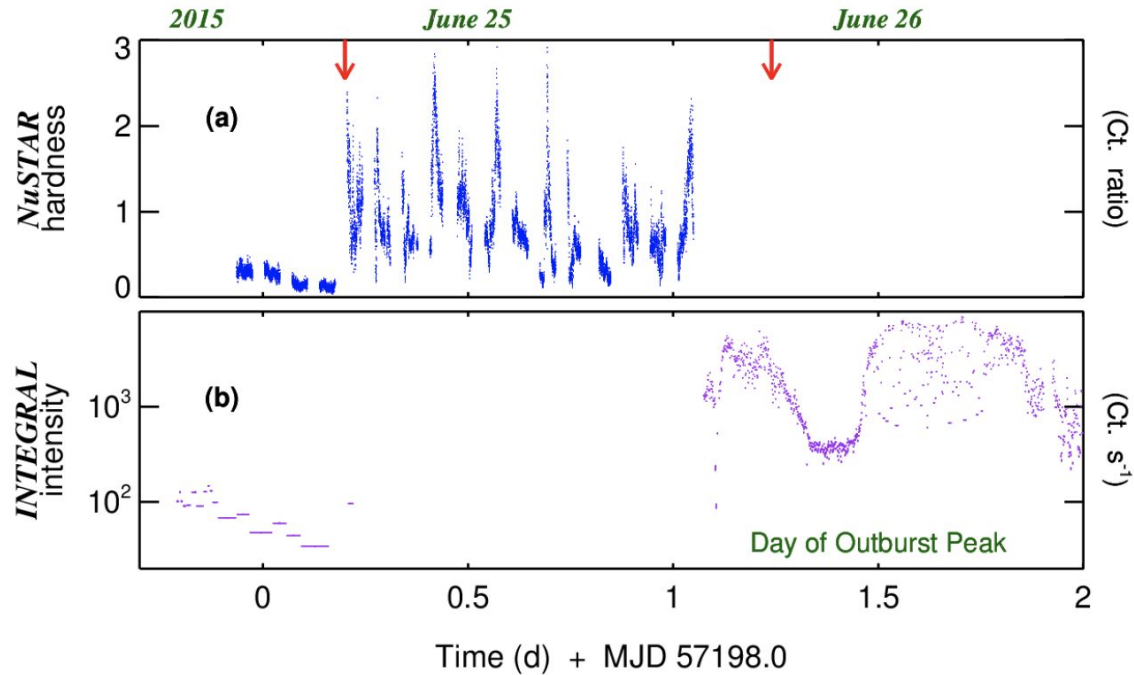
- The ESA-INTEGRAL webpage lists 85 INTEGRAL-related refereed publications in 2017-2018 (as of 2-Feb-2018)
- 38% of these papers had US authors (12 with US first authors).
- Many of these papers represent collaborative science utilizing data from other observatories such as Fermi, Swift, NuStar, and LIGO.
- Joint GI programs with Fermi, Swift, and NuSTAR

# A Short GRB Associated with GW170817



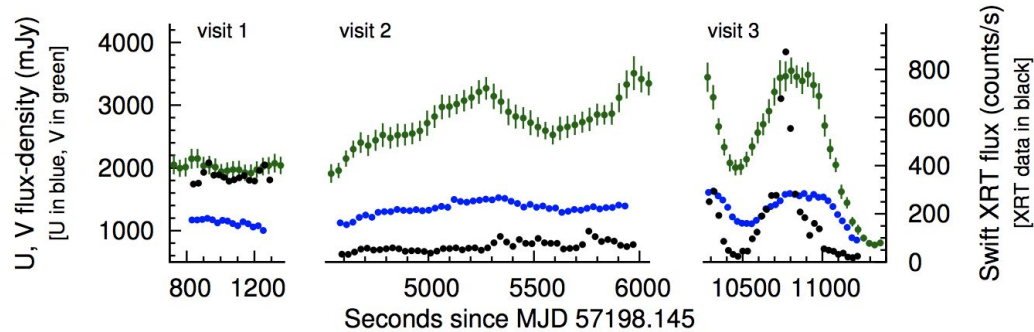
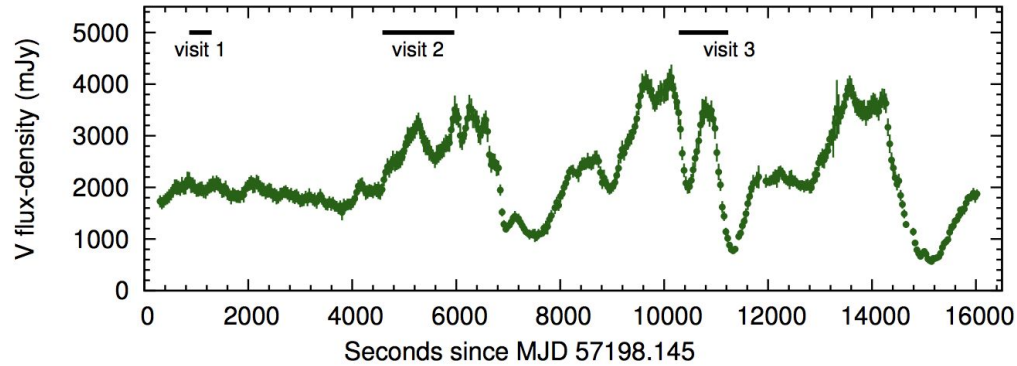
# The Origin of Optical Emission in V404

$Cv\sigma$



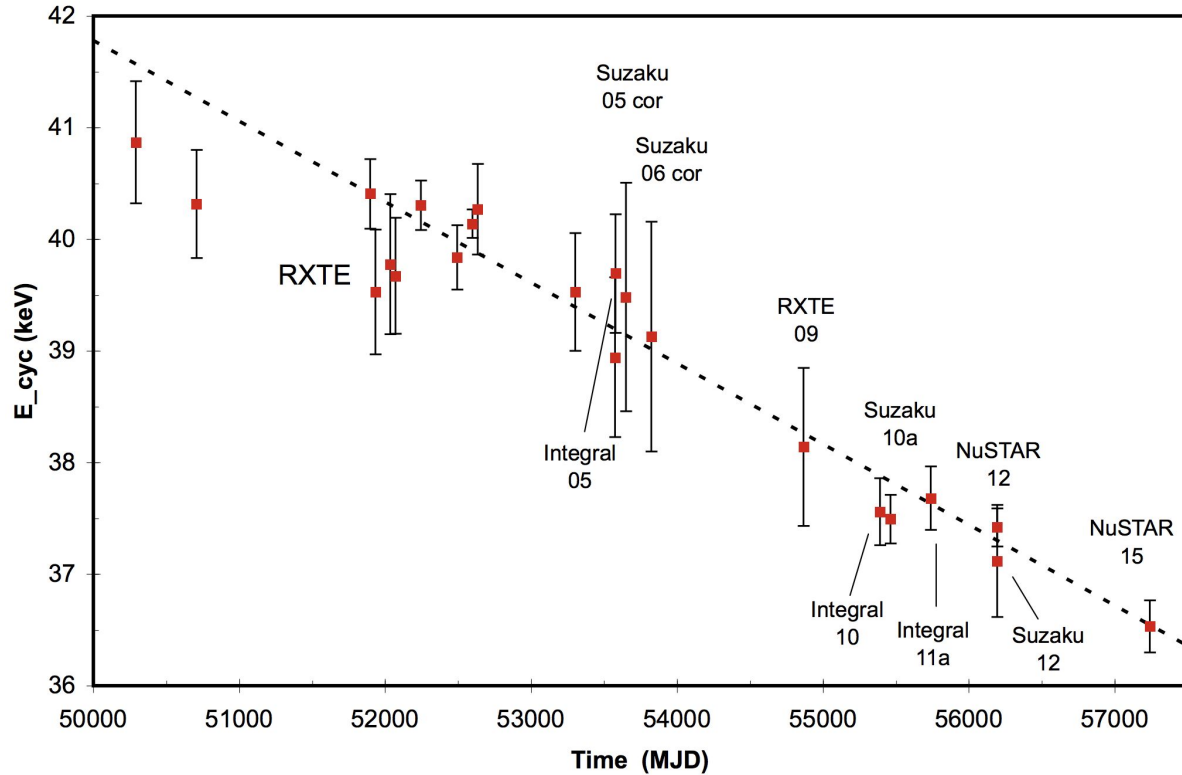
# The Origin of Optical Emission in V404

$Cv\sigma$





# Cyclotron Emission Line in Her X-1



Staubert+2016