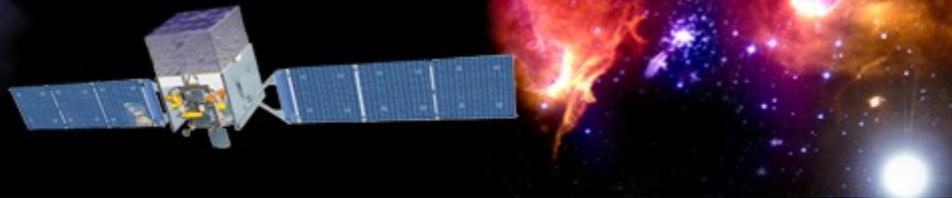# FSSC Data & Software Status

Dave Davis
FSSC Archive Scientist
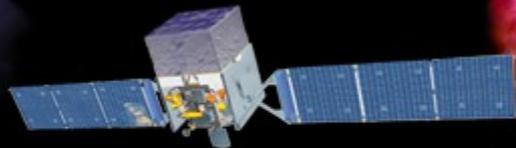
FSSC Data Status

▶ *LAT Data Server*

  – *Currently Serving P8 data*
  – *Data Volume downloaded 28.82 TB (Nov 02 2015)*
  – *Average of 355 photon queries/day (mission average)*
    • *~856 queries/day since the release of pass 8 (June 24 2015)*
    • *Total of 24.82 TB of photon data served (Nov 6 2015)*
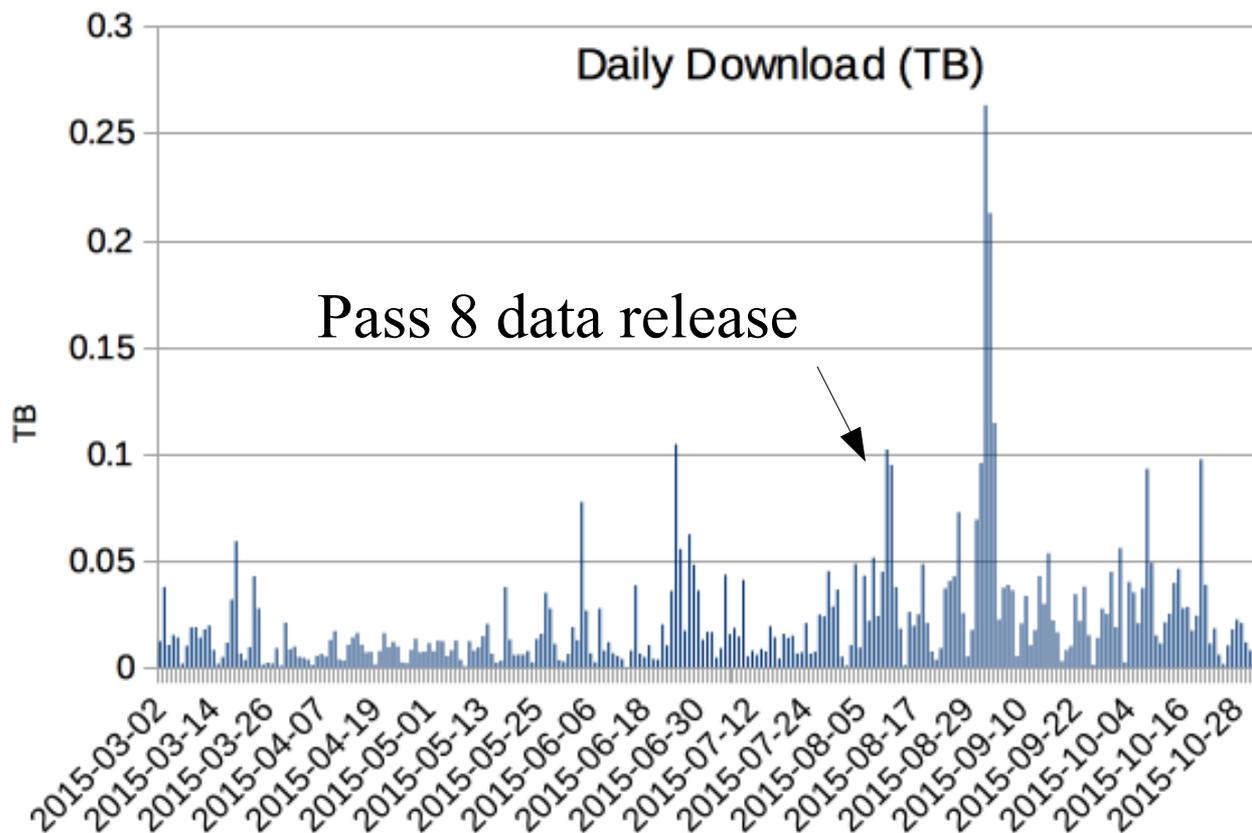
▶ *LAT DATA*
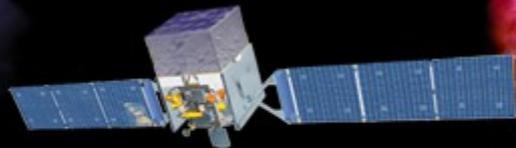
  – *Ingest is continuing smoothly*

▶ *GBM*

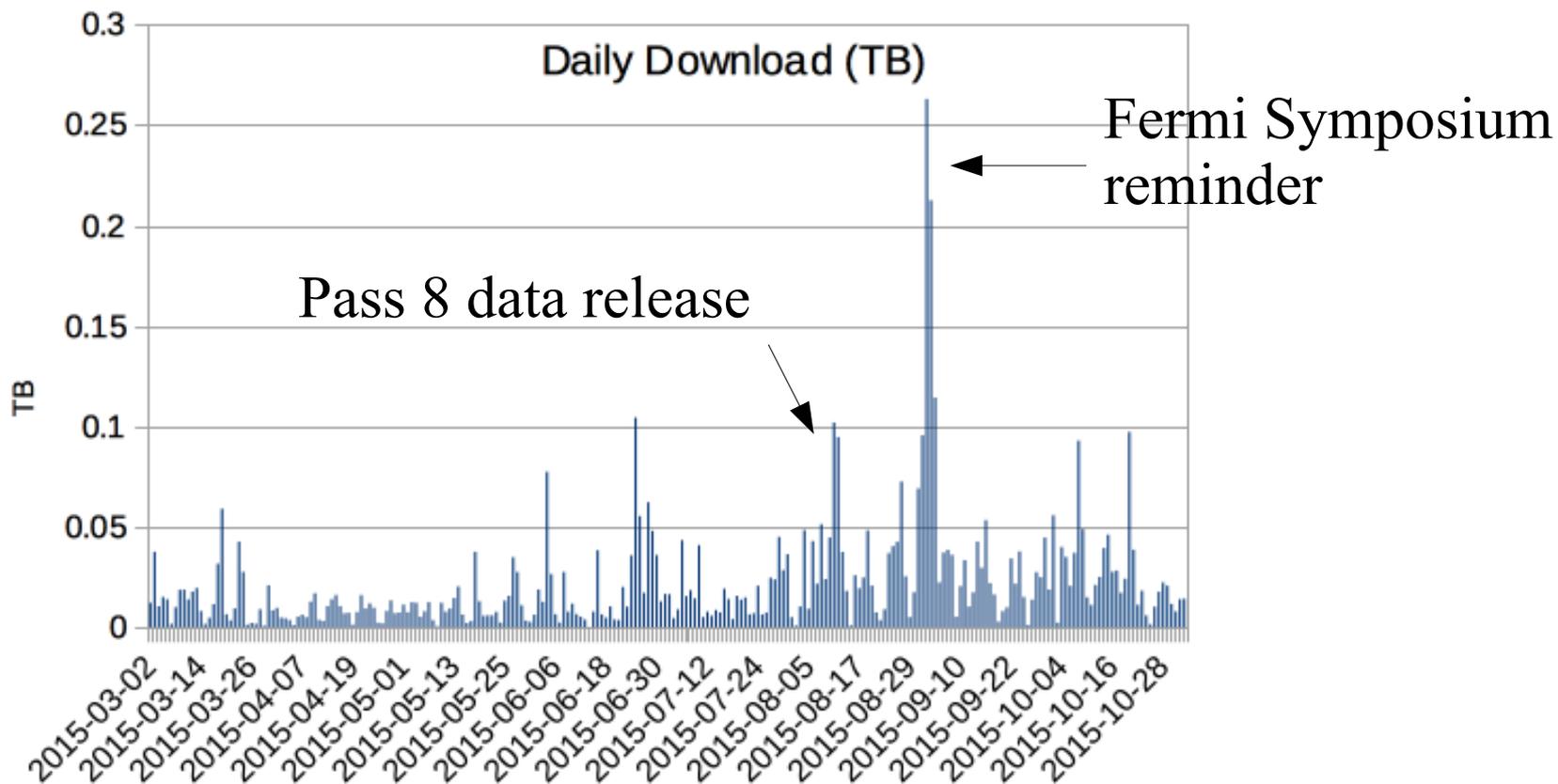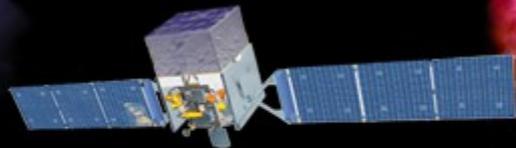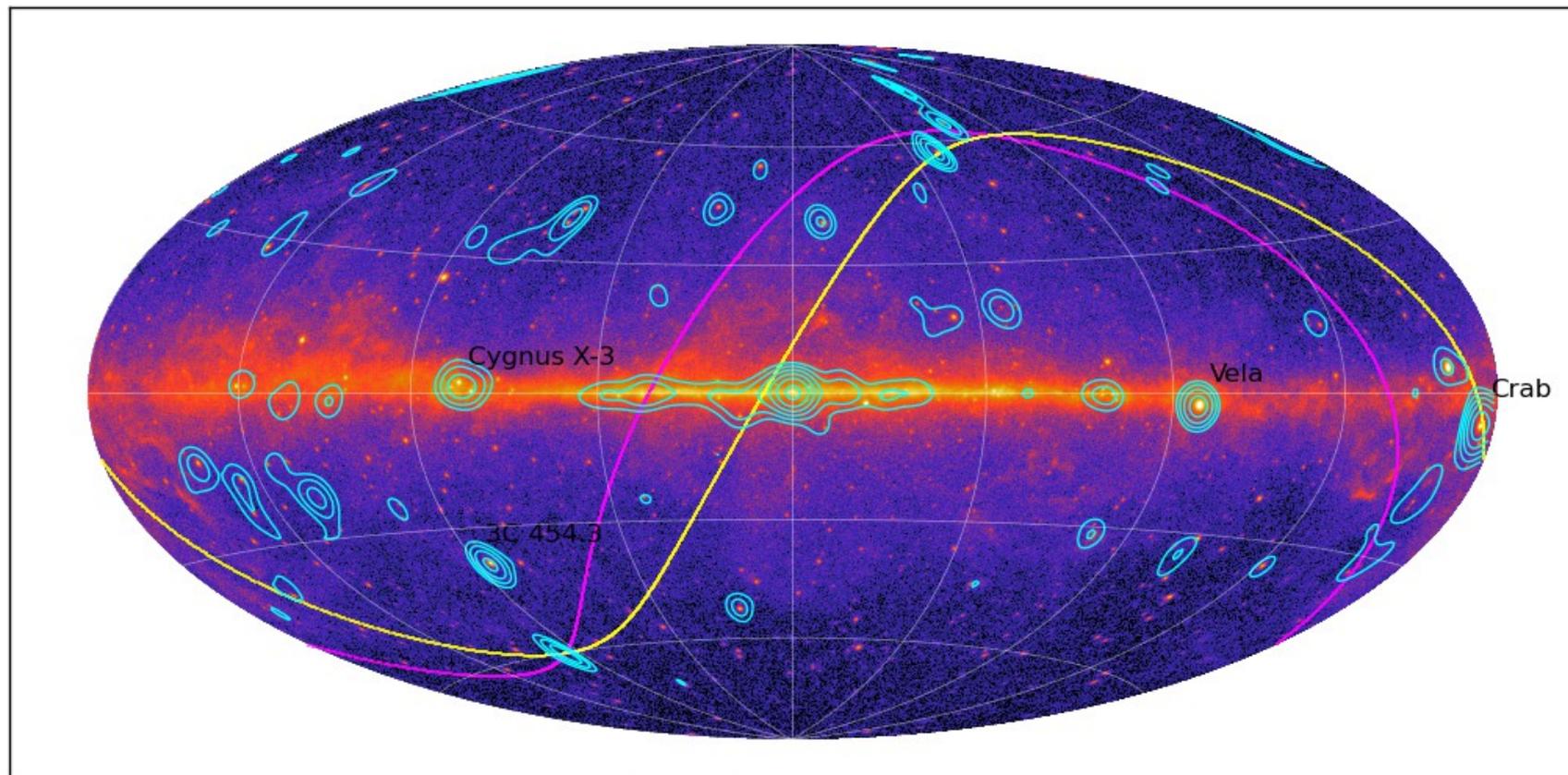 – *Download and Ingest proceeding smoothly*

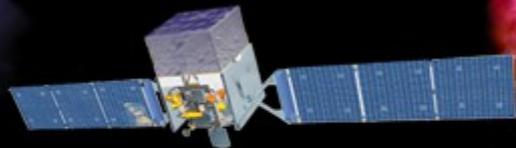# LAT Data Sever Volume

LAT Data Sever Volume

Fermi Symposium reminder
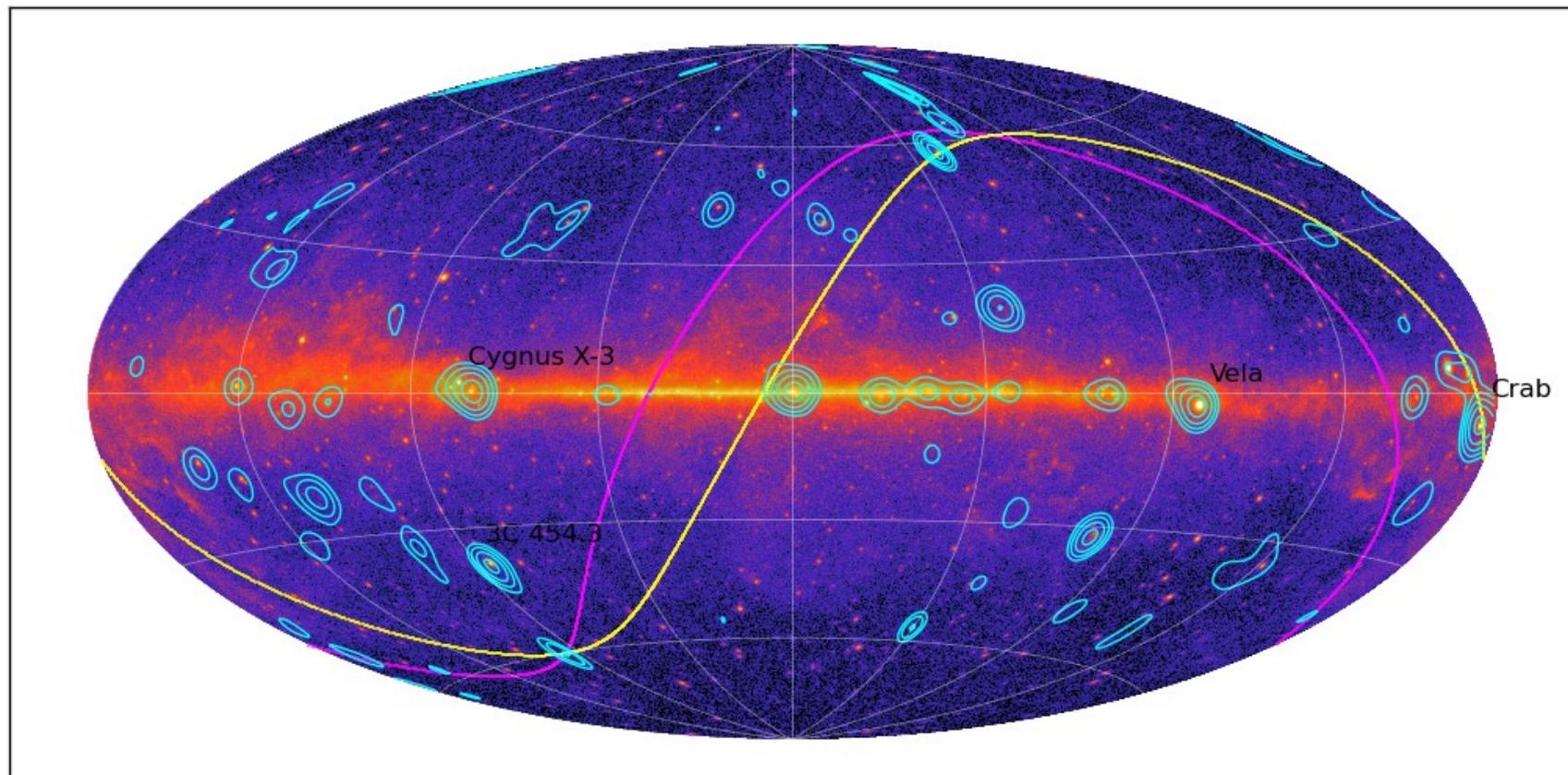
Pass 8 data release
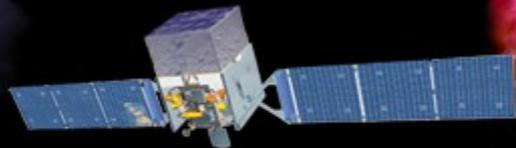
LAT Data Query Distribution
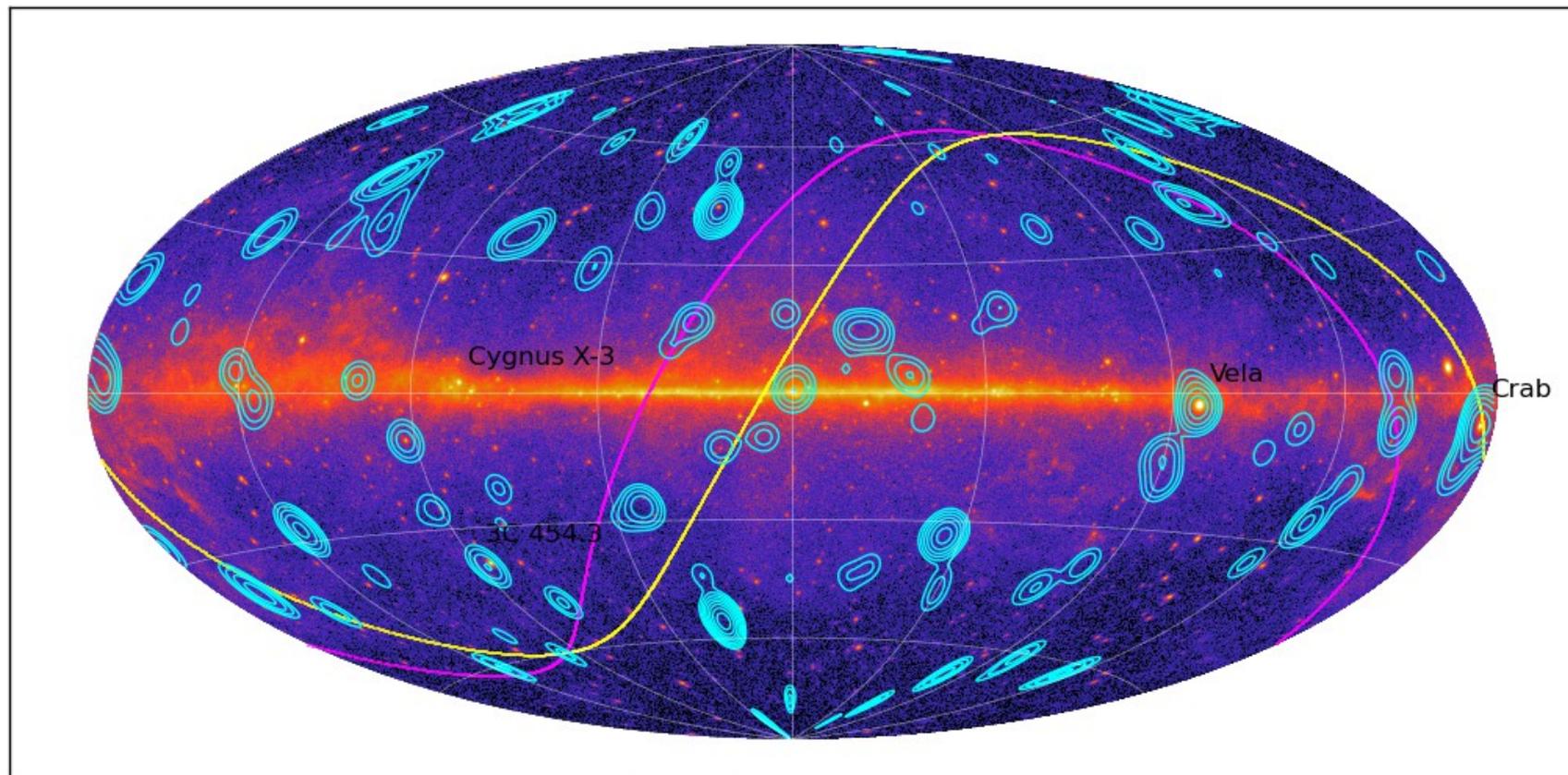# Long Queries

Queries since Aug 25 2009

LAT Data Query Distribution
Long Queries
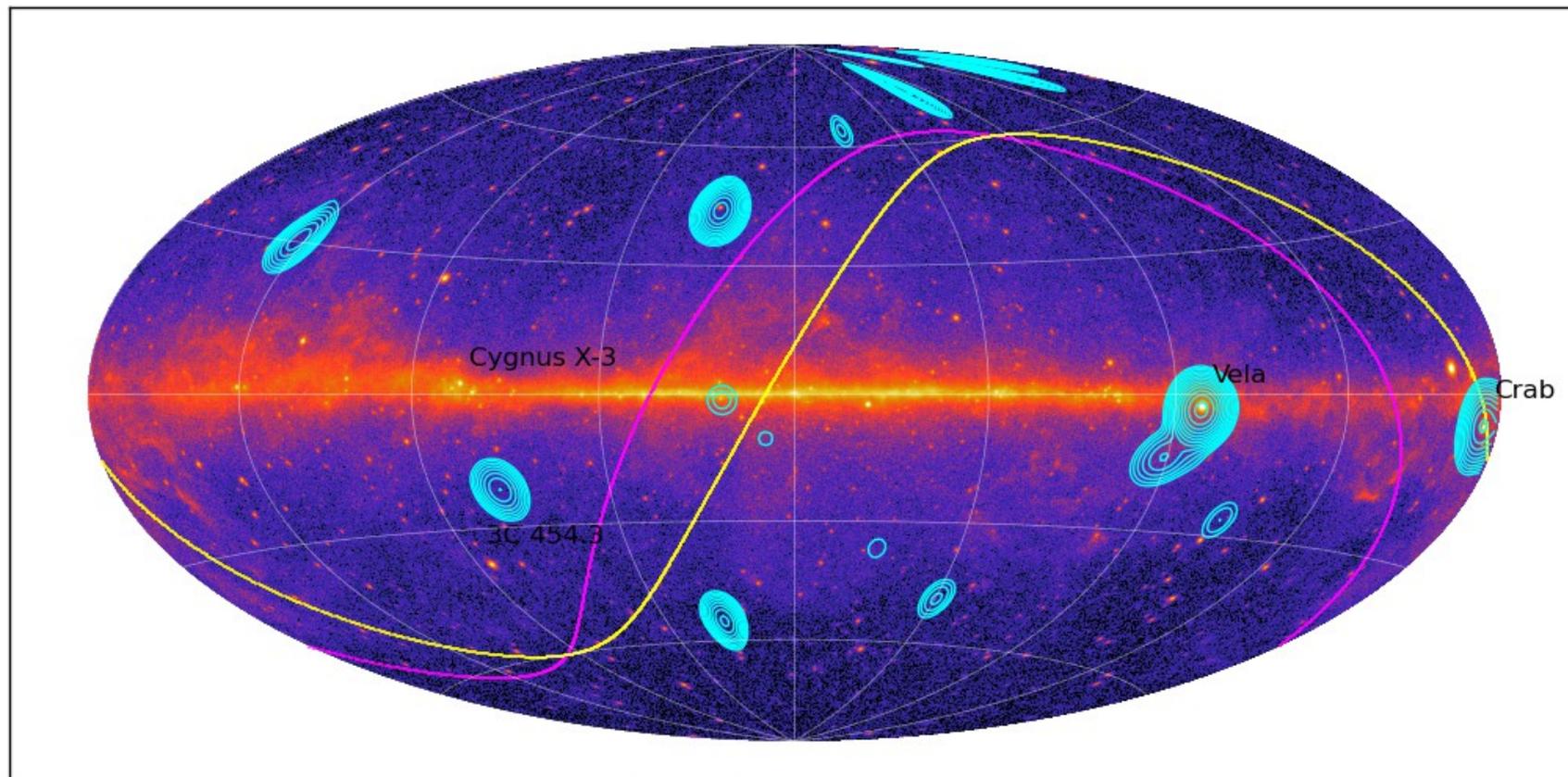

Queries since June 24 2015

LAT Data Query Distribution
Short Queries

Queries since Aug 25 2009

LAT Data Query Distribution
Short Queries

Queries since June 24 2015
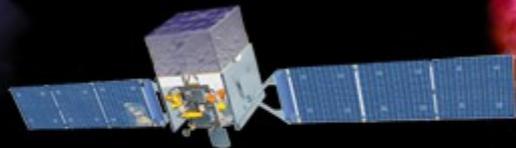
Science Tools Current Status

▶ *Updated / New products available*

– *Released Fermi science tools (v10r0p5) July 24 2015*
  - *Scientific Linux 5, 6, & 7*
  - *Mac OS X (10.8, 10.9)*
  - *Fedora 20 & 21*
  - *Ubuntu 14.04 , 14.10*

▶ *User Contributed tools*

– *Make3FGLxml updated for pass 8*
– *Updated Like_lc, like_bphase, aperture for pass 8*
– *FermiLATGRBxml tools released*

▶ *GBM*

– *rmfit 4.3.2 is still current*

Science Tools Current Status cont.

▶ *Download Statistics*

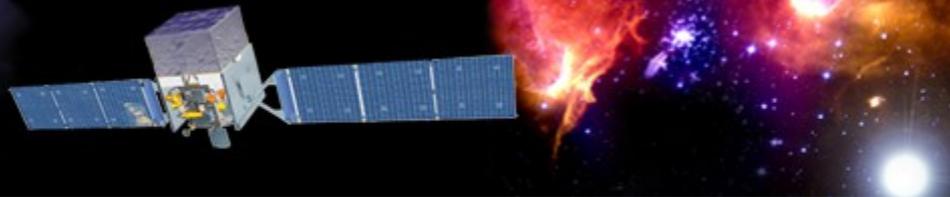– *Released Fermi science tools (v10r0p5) June - Sept 2015*

| SL 6	SL 7	Ubuntu 14.04	Ubuntu 14.10	Source
315	212	1275	245	353
8.23%	5.54%	33.30%	6.40%	9.22%
OS X Yosemite	OS X Mavericks	Fedora 20	Fedora 21	Totals
627	421	186	195	3829
16.38%	11.00%	4.86%	5.09%	100%

Science Tools Status & Plans

▶ *Science Tools Release with Pointlike*

- *Released on Scientific Linux 6 only!*
- *Documentation is available (non-FSSC)*
  - *https://github.com/tburnett/Fermi-LAT/tree/master/pointlike_document*
  - *https://github.com/tburnett/Fermi-LAT/blob/master/pointlike_document/index.ipynb*
- *Public release is waiting on the final testing*

▶ *The new Mac OS X (el Capitan)*

- *Requires significant changes to the build process*
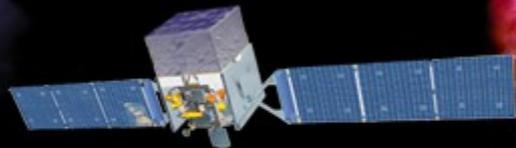
FSSC Help Desk

▶ *The Help Desk has received ~3100 queries over the life of the mission*

▶ *We're now receiving ~1 query per 1.5 days*

   – *75 – 80% asking for information*

   – *20 – 25% are reporting errors or perceived errors*

Help Desk Statistics (Month)