LAT Data, SW & documentation Release

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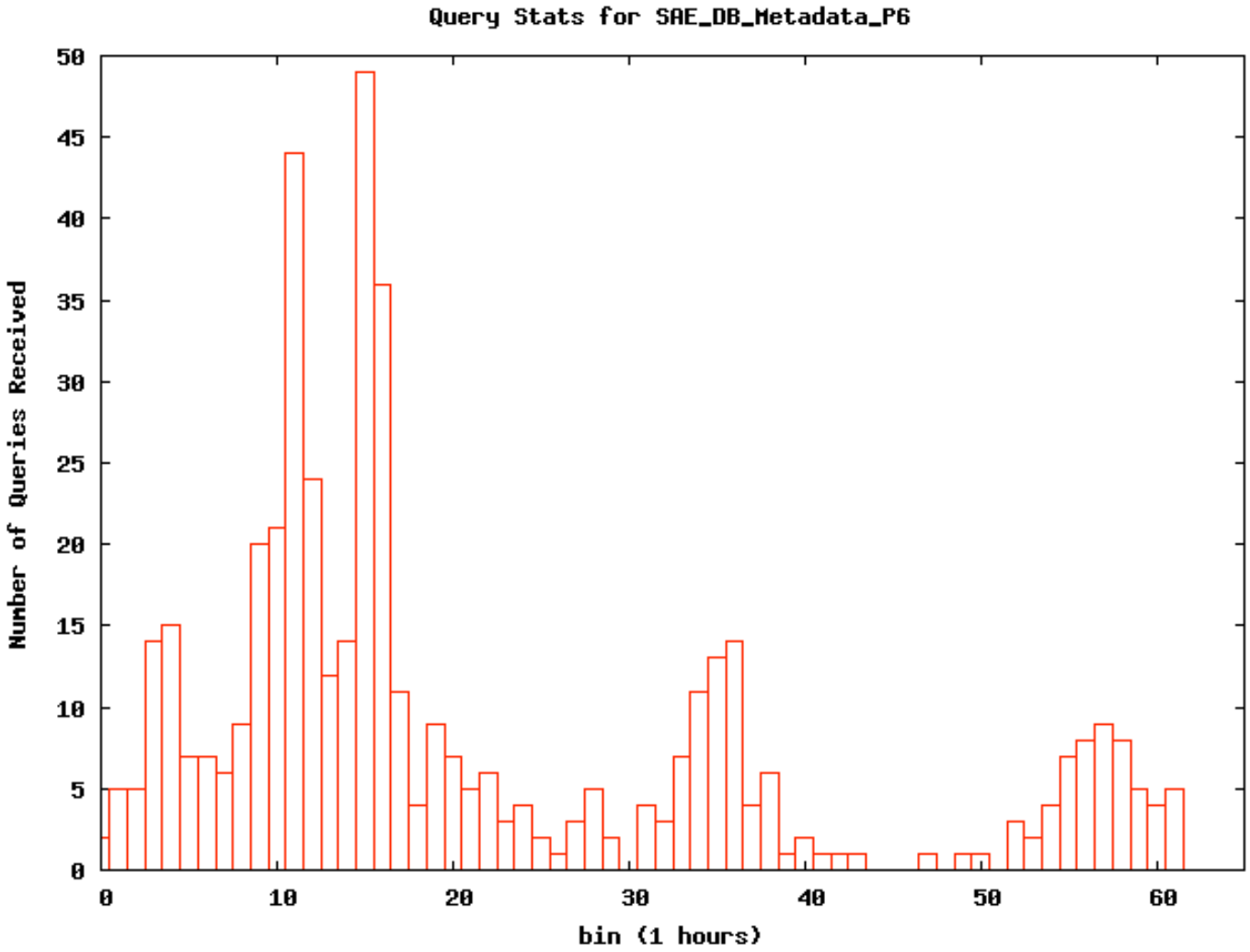
LAT Data Release

- LAT level-1 database products posted for public download Aug 25
- Announced via e-mail exploders, Fermi & HEASARC web sites
- Extensive activity;
  - 235 Gb of downloads
  - ~500 queries
- Less than 1% server errors
  - Known issues, fixes underway

LAT Data Release

- Online ~60 hrs (as of 8/27)
- 478 queries
- ~300 Gb of downloads
- ~1.5e8 γ's archived

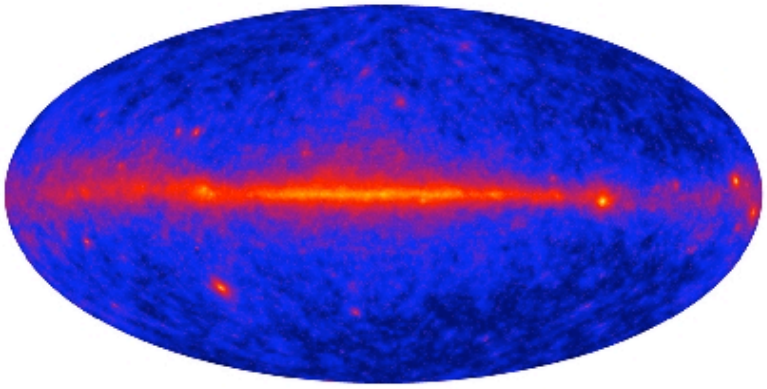


Science Tools Release

Fermi
Science Support Center

HOME | RESOURCES | PROPOSALS | DATA | HEASARC | HELP | SITE MAP

The Fermi Science Support Center (FSSC) runs the guest investigator program, creates and maintains the mission time line, provides analysis tools for the scientific community, and archives and serves the Fermi data. This web site is the portal to Fermi for all guest investigators.



This all-sky view from Fermi reveals bright emission in the plane of the Milky Way (center), bright pulsars and super-massive black holes.
Credit: NASA/DOE/International LAT Team

Look into the "Resources" section for finding schedules, publications, useful links etc. The "Proposals" section is where you will be able to find the relevant information and tools to prepare and submit proposals for guest investigator projects. At "Data" you will be able to access the Fermi databases and find the software to analyse them. Address all questions and requests to the helpdesk in "Help".

Quicklist

News

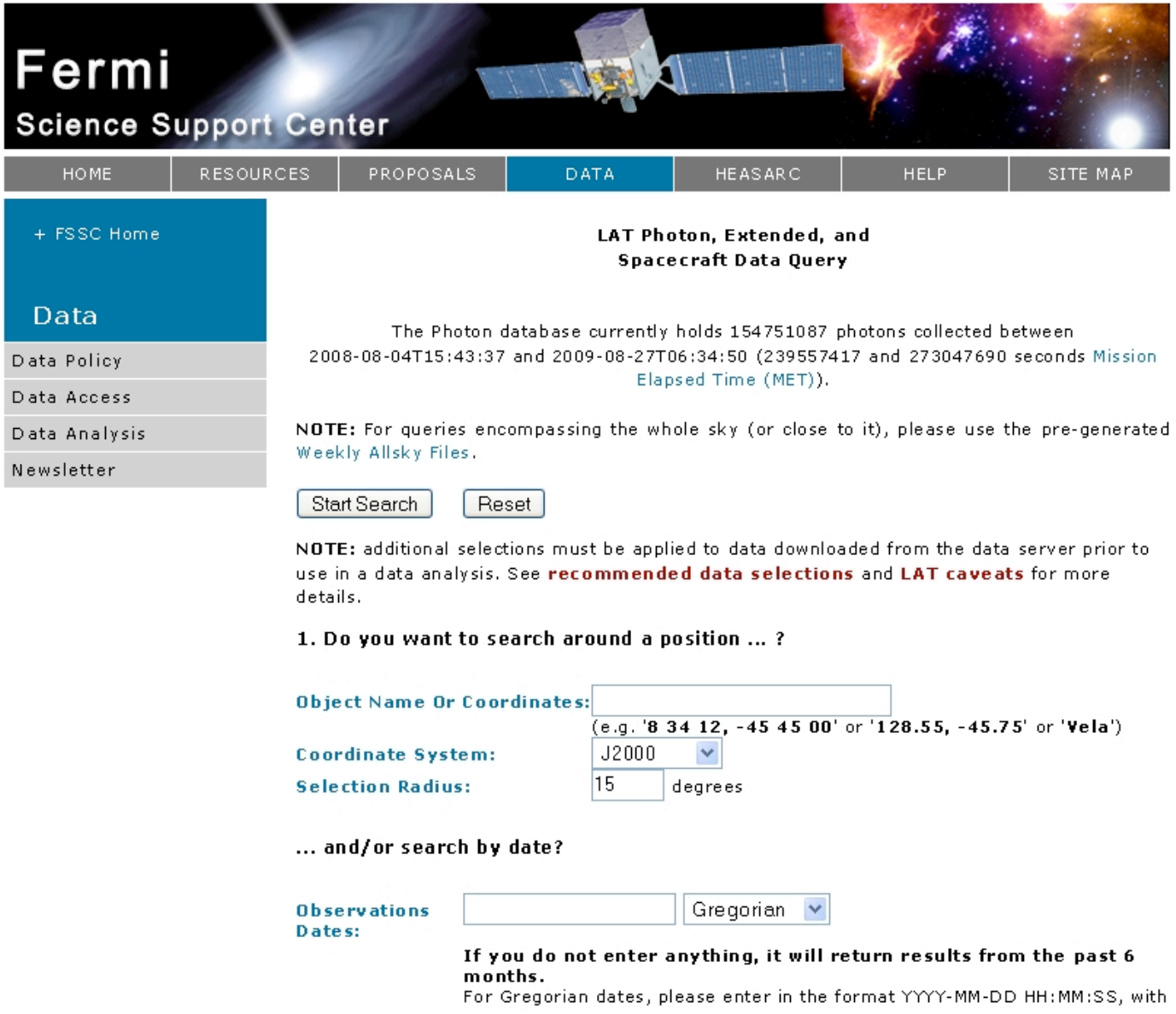
August 25, 2009

LAT level-1 data products are now available for public download!

In adherence with a long-standing policy agreement the LAT level-1 data products (photon event lists and associated auxiliary files needed for analysis) are now available for public download through the FSSC web site. The current analysis software release and associated documentation can also be obtained from the FSSC web site. Click here to access the LAT data server, which currently accommodates spatial, temporal and energy selections for the event and photon data. A multi-tiered documentation set, consisting of a broad overview document, individual analysis threads, and application specific help text can be obtained here. The current version of the Fermi Science Tools, along with the associated installation guides, list

Science Tools Release

- Data server interface
  - Time, space & energy cuts
  - Event class cuts TB added in ~1 month
- Similar to HEASARC Browse interface
- Weekly all-sky files available as FTP downloads



Science Tools Release

- Binary and source distributions
- ~10 supported platforms
- Portability problems from beta-test solved
  - Virtually no significant configuration issues thus far
- Documentation reviewed internally, externally
  - Extensive revision undertaken
- Early help desk queries mainly on very basic issues
  - Minimal volume
  - Anticipate in crease in volume, complexity

Science Tools Release

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+ FSSC Home

Data

Data Policy

Data Access

Data Analysis

+ System Overview
+ Caveats
+ Software Download
+ Documentation
+ Analysis Threads
+ User Contributions

Newsletter

Fermi Science Tools Documentation

Welcome to the Fermi Science Tools! The Fermi Science Tools consists of the basic tools necessary to analyze Fermi data. And this is the place to begin to learn how to install and use these tools.

The documentation consists of four sections that will be useful to you at different stages of your mastery of the Fermi Science Tools:

- Installing the science tools — instructions for installing the Fermi Science Tools
- Analysis threads — step by step description of a standard Fermi Science Tools analysis
- Cicerone — a detailed description of the analysis environment and its methodology. The Cicerone describes the full Fermi Science Tools.
- Reference manual — a description of each tool and its input.

So how should you begin? This depends on your learning style. If you have a basic understanding of analyzing gamma-ray spectra, know something about the LAT and/or the GBM, and like to learn by example, then you might want to start by installing the science tools, and then work through the analysis thread.

Science Tools Release