

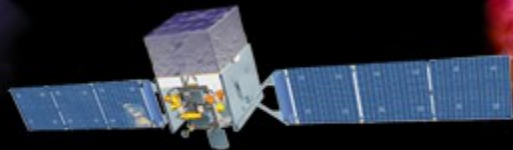


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# FSSC Data & Software Status

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# FSSC Data Status

## ▶ *LAT Data Server*

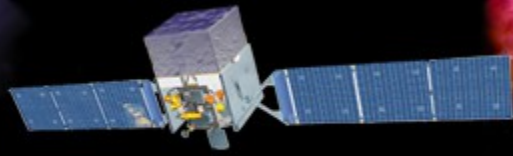
- *Currently Serving P7V6 data*
- *Data Volume downloaded 21.08 TB (Aug 11 2013)*
- *Average of 146 photon queries/day (mission average)*
  - *~600-800 queries/day since Oct 1012*
  - *Total of 11.90 TB of photon data served (Aug 11 2013)*
- *Preparing to serve pass 7reproc data.*
  - *Photon data downloaded and ingested*
  - *S/C data downloaded and ingested*
  - *Event data in-progress*

## ▶ *LAT DATA*

- *Updating to the reprocessed data*
- *Weekly files with extended data columns available*

## ▶ *GBM*

- *Download and Ingest processing smoothly*



# Science Tools Current Status

## ► *Updated / New products available*

### – *Released Fermi science tools (v9r27p1) April 4 2013*

- *Scientific Linux 5 & 6*
- *Mac OS X (10.8, 10.6)*
- *Fedora 17 & 18*

### – *The Fermi science tools for Ubuntu 12.04 & 12.10 were released June 27*

## ► *User Contributed tools*

### – *Updated multiprocessor tools (gtapps-mp v1.1)*

### – *Tool to compute the pulse times of arrival (TOAs) at an observatory or spacecraft (GeoTOA-1.0)*

## ► *GBM*

### – *rmfit 4.3.2 was released June 19.*



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# Science Tools Supported Systems

*Software will continue support for*

- *gcc 4.+ compilers*
  - *Ubuntu 12.04, 12.10*
  - *Fedora 17, 18*
  - *SL 5 & 6*
  - *MAC OS X 10.6 (SnowLeopard), OS X 10.8 (Mountain Lion)*



# Science Tools Future Status

## ► *Science Tools Release for Fall 2013*

- *Based on LAT Team ST v9r32p5*
- *Likelihood*
  - *Reduce memory usage in BinnedLikelihood while loading XML model*
- *Inclusion of Moving Target tools*
- *The P7REPV15 IRF's are incorporated*
- *Updated Galactic diffuse model*
- *Updated isotropic emission model*
- *Various minor bug fixes throughout*



# Future Work

- ▶ *Preparations for pass 8 data (full reprocessing)*
  - *Standard test scripts*
- ▶ *Working to provide 1-s S/C files for analysis of impulsive events*
- ▶ *Science Tools updates (next release)*
  - *Inclusion of the LAT burst tools*
  - *Support for user contributed tool for burst analysis (gtburst)*