

# Science Tools Update, June 30, 2009

## Science Tools Working Group

The current release of the Science Tools remains **v9r15p2**.

**Data products:** No news on Pass 7; studies in C&A are continuing.

### Databases and related utilities

**N.B.** Vlasios has [reported a bug](#) with the FT2 files retrieved by the new AstroServer.

### Likelihood analysis

*From Jim:*

- Fixed a bug in gttsmmap so that it can read a list of input FT1 files that have the "@"-sign prepended (as per FTOOLS conventions). Likelihood v15r2p1.
- Added an interface to pyLikelihood to give users easier access to the Minos error calculation available from the Minuit and NewMinuit optimizers. Documentation [here](#). optimizers v2r17p1, pyLikelihood v1r15.

[These updates are available in the packages indicated and will be in the next ScienceTools releases; they are not in the current release.]

See note below about optimizers and 64-bit systems.

### GRB tools

No news.

### Pulsar tools

Masa reports that there's no development news; he has been working on testing for the public ScienceTools release in August.

### Observation simulation

No news.

### User interface and infrastructure (& utilities)

*From Eric W.:* With help from Jim Chiang and Pat Nolan, we localized another problem with the optimizer code that arose in 64-bit systems in **v9r15p2**. I've got a FSSC patch in place, and I'll be in contact with Jim and Pat about it.

## Source Catalog

Last week the primary topic was planning for the Year 1 catalog and associated paper.