

# Science Tools Update, October 27, 2009

## Science Tools Working Group

The current release of the Science Tools is still **v9r15p5**, although a new release is anticipated soon. This report describes some of the new features for the next release.

Eric W. reports that he has got v9r15p5 building at the FSSC. The current public release is based on v9r15p2. My understanding is that p5 is 'close' to the next release, so the time spent getting v9r15p5 to build with the HEASARC hmake system was also in preparation for the next public release.

**Data products:** No new news.

## Databases and related utilities

No news

## Likelihood analysis

*From Jim:*

- Likelihood:
  - Added photon flux and errors for each source component to the output of the gtlike application (Likelihood v15r8p0)
  - Provided user-friendly error messages when incorrect xml model files are provided by the user (Likelihood v15r8p1)[Again, these are not in the current release, although they are available as part of the current HEAD builds for SLAC Linux.]

## GRB tools

No news

## Pulsar tools

No news

## Observation simulation

*From Jim:*

- observationSim:
  - Provided user-friendly error messages when incorrect xml model files are provided by the user (observationSim v8r4p2)

## User interface and infrastructure (& utilities)

No news

## Source Catalog

The 11-month source list and the development of the year-1 catalog continue to be the focus.