

Science Tools Update, December 15, 2009

Science Tools Working Group

The current release of the Science Tools since last week has been **v9r15p6**. A summary of the changes since v9r15p5 is [here](#). There's not much development news since last week. Only one new HEAD build has been made, with changes to the sourcelike package and a number of updates to pulsar tools packages (see below).

Jim notes that "Eric Winter has been proposing various minor modifications to the source code in the Likelihood, observationSim, dataSubselector, celestialSources, irfs and other packages in order to build on all of the platforms supported by the FSSC. All of the changes are minor and Eric has been contacting package owners with the proposed changes."

Data products: No new news.

Databases and related utilities

No news

Likelihood analysis

No news

GRB tools

No news

Pulsar tools

Masa reports that "the latest pulsar tools packages were promoted to release candidates (i.e., HEAD build). The major changes since the latest Science Tools (v9r15p6) are: to improve ephemeris-related output messages, to add new option psrdbfile=NONE, to give tolerance at the boundaries of FT2 coverage, and to fix the bug on long-to-double conversions on 64-bit machines."

Observation simulation

No news

User interface and infrastructure (& utilities)

No news. Given the outcome of the validation studies presented at the C&A meeting this week, the new Pass 7.2 IRFs in the current Science Tools release probably should be considered suspect, although the problem yet may be determined to be with the Pass 7.2 reprocessing.

Source Catalog

Converging on the year-1 catalog paper remains the most pressing current topic.