

Science Tools Update, September 15, 2009

Science Tools Working Group

The current release of the Science Tools remains **v9r15p4**.

The high-energy PSF issue that Toby has long championed and the recent realization by Matthew that the parametrization of the PSF is not particularly accurate in general at least starting with P6v3 are motivations for a new parametrization and fit. A new parametrization will also require coding in the Science Tools. The schedule is not set.

Regarding the public distribution of the Science Tools, Chris reports that their help desk is getting 5-6 queries per day, of increasingly deeper nature. Eric W. says that installation/portability issues still come up but with various 'bleeding edge' Linux versions but they are generally able to deal with these quickly. He says that they are starting to plan the next public release.

Data products: No new news.

Databases and related utilities

No news

Likelihood analysis

No news. The **sourcelike** package is now being built by the Release Manager in HEAD builds (on Linux). Getting it to go in Linux was the work of Josh, with help from Jim and I think also Toby. **sourcelike** is a likelihood analysis tool that has been developed in particular for fitting of source extent. I've not seen documentation yet. At some point Josh et al. do plan to make **sourcelike** part of the internal Science Tools releases.

GRB tools

No news

Pulsar tools

Masa reports that he has been working on bug fixes and minor improvements.

Observation simulation

No news

User interface and infrastructure (& utilities)

No news

Source Catalog

The 11-month source list and the development of the year-1 catalog are standard topics these days. Toby has recently presented **pointlike**-derived TS maps for essentially all sources.