Science Tools Update, September 23, 2008

Science Tools Working Group

The current release version of the Science Tools remains **v9r7p1**. Reminder: Toby has pointed out that in this release and apparently others since mid-July the packages related to pulsar tools did not compile under Windows. Some other unit tests failed in the Windows builds as well, although these may not indicate fundamental problems.

The current HEAD build (1.683) differs from v9r7p1 primarily in the **skymaps** and **pointlike** packages; updates to **gtbin** and **gtrspgen** seem to be in the works as well for the next release.

Richard reported that last week SCCS provided 2 RHEL5/gcc4 systems on the farm for the Release Manager to use. RM is not yet making builds for gcc4, however.

The tutorial session on high-level analyses at the collaboration meeting last week was...succcesful. It included a number of how-to presentations.

Data products: The proposed additions to **FT2 contents** mentioned in the last report are still in progress, with consideration being given to how to set the LAT_MODE column in a useful way - useful for filtering FT1 files, that is.

Databases and related utilities

See the presentations by Tony and Tom S. in the tutorial session mentioned above. Tony described a number of new or updated Data Server services and Tom described features of the FSSC data server, including authentication as a LAT user.

Likelihood analysis

No news

GRB tools

No news

Pulsar tools

From Masa: "The pulsar tools made a major version up for an added feature of ephemeris status reporting. The tools produce warning message(s) when given event file(s) cover a time interval that overlaps with an ephemeris gap or an exceptional event (such as glitches) in a given pulsar database file. Note that the new feature only gives warning message(s), and the behavior of the tools (such as pulse phase assignment by **gtpphase**) did not change."

Observation simulation

No news

User interface and infrastructure (& utilities)

Not sure where this belongs: At the meeting last week Markus and Eric W. presented approaches for studying (measuring) source extent, in the session on Issues on high-level analyses.

No other news, although if you missed it last week you may want to take a look at Gino's presentation on iLAT as a user interface for Web-based analysis

Source Catalog

Will meet this week.