ISOC SW Update

• Schedule update
  – 14-15 Sept -- Operations Technical Interchange Meeting @ SLAC
  – GRT #3 (25 Oct 05)
  – GRT #4 (6 Dec 05)
  – GRT #5 (~Mar 06)

• Re GRT3 testing of L0→L1 processing
  – need to provide L0 sci data for use in GRT3 at least 1 month before
  – JJ agreed to provide a small (5-10MB) sample of CCSDS-format event data to help start working on the data flows for GRT3
Trending Progress

• Preparing a demonstration for next Monday

• New trending site uses a frameset of three pages: Header, Tree and Main
  – Changes in the Header cause a query and a new Tree to be constructed
  – The Tree tabs can be used to view the Tree in several useful arrangements
  – Clicking on a node of the tree generates a query to retrieve data. This data can be viewed in different styles by clicking on tabs in the Main frame

• Several important speed enhancements are included, and we are still looking for more. New benchmarks were useful to discover the impact of changes.

• Some features from the "old" website are not yet added, (i.e. Calibration data, link to eLog) to be added after the demo.

• Still making some revisions to the Oracle schema
  – This week we factored out all version information from individual tables and made a new table
  – The new ITOS XPR (expression) records will be accommodated in a new table
  – A new table (recursive!) can hold user-defined "groups" of telemetry items

• Bryson added a parallel task to pump cleanroom data into the new tables, so we can quit doing this manually every morning
FASTCopy → pipeline linkage

• Basic Ideas
  – As we ingest level0 data files, we update a table of per-APID spans of new data
  – We maintain a table of pipeline task names, with associated groups of APID's
  – We periodically scan for new data for each task/apid group. If new data has become available, we inject a new run of that task.
  – We update a table that cross-references APID spans to pipeline task ID's, to maintain a processing history
  – The first taskprocess of any fcoppy-automated pipeline will robustly extract the APID packets from the raw archive and transform them as necessary for the next taskprocess in the chain