Flight I&T Support

New machine, new template
Looks like an opening to a James Bond film…
From Our Friends in I&T

- I&T Readiness Review is NOW
- IA meeting Friday 8 AM SLAC Time
- Request for MC runs for one and two towers
- Will continue discussions on Calibrations including some minor changes to the calibration infrastructure
I&T would like to request a Xmas gift from SASnta Claus for EM2 tests. Dry run to focus on the process to release all code to I&T. Dec 10th? and exercise the release mechanism including results from system tests. We can use the SVAC VRVS Friday meeting of Dec 10 to present what we have at that point and the status of each code including the pipeline.

For each item we should have
- a released tag (when applicable)
- results from tests (when applicable)
- missing features and expected upgrades including dates

Are you on the LIST?
- pipeline backend and pipeline web interface
- LDF Parser and LDF validation scheme and results
- EM package with 1 and 2 tower geometry included
  - (I&T implemented the geometry based on the full LAT geometry, has SAS blessed the latter?)
- Surface muons and VDG sources to be used for MC comparisons
- CalibGenTKR
- CalibGenCAL
- Fred 0.9x
- Root 4.x?
- SAS calib infrastructure

A month after that I think is reasonable to expect one more release update to confirm that we are ready for flight integration. We should then call in the CCB board chaired by Richard at that time.
JIRA ROOT-3 is now fixed and closed

Latest EM tag: v3r0406p1
  ○ v3r0406p2 coming soon

Steve Culp (ISOC) has agreed to write an LDF validator...in contact now.
CAL Update

- See CAL report
- CAL Header
  - Conversed with David, Sasha, Lester
  - Header will be stored in a UDF contribution
  - Need to assign unique id for CAL UDF
  - LDF will contain an event with a single UDF contribution.
  - Re-affirmed plan to take the CAL header string “as is” from LDF UDF and store in ROOT header
TKR Update

- See TKR Report
- The Anders Report:
  - When using the muon hypothesis and default minimum track energy when making MC (in EngineeringModel-v3r0406p1):
    - FirstPass ERROR Caught TkrException bad energy in KalmanFilter, filter set to fail event
    - FirstPass ERROR ======> Run 6 Event 127 failed
  - Leon apparently has a fix and will be providing a new TkrRecon tag soon.
For CAL calibrations, put in new serial number attribute for `<tower>` element. Defaults to -1, presumably a meaningless value. It's up to CalibGenCAL (or whatever writes the XML files) to fill it if they want. So far no services exist to fetch it back out, but that can be added when/if it becomes interesting.

New job option parameter allows user to select quality of calibrations (one or more of "prod", "dev", "test" or "superseded") to be fetched. Defaults to "prod" & "dev" (consistent with old behavior).

Both of these things are committed but not yet tagged.

ToT inching forward:
- made dtd to describe structure of Johann's xml file
- working on design of ROOT classes.
Dan committed his work-around for the batch job completion problem which has been interfering with pipeline operation. No fix has been forthcoming to date from the other side (SCS). The appearance of the problem a couple weeks ago more or less coincides with the use of new file servers; perhaps incorrect configuration is responsible.

**J2EE front:** Matt is chasing a last problem with XML file upload, specific to the Oracle database.