SAS Deliveries to I&T

- **Pipeline – due Aug 13**
  - I&T has been told how to wrap their scripts – they’re ready
  - One false start where our supported directory structure deemed unacceptable. Reworked.
  - Current status (8/9)
    - Navid just provided batch tracking interface
    - Dan has to implement Navid’s tool – saves him lots of work, and makes it easy to fix db connect issues
    - Says test pipelines Tues PM
    - Matt working on web displays for pipeline and datasets – target due Tuesday

- **CAL Calibrations**
  - Working to schedule that delivers to I&T on 9/7
  - Delays due to problems discovered in FLE
  - Some feature creep:
    - New calibration types needed
    - Better way to do light taper/energy estimate
    - Centralize CAL response service
  - Documentation on calib algs
  - “aggressive” schedule, but plausible
  - Includes one week of test prior to delivery
Deliveries (2)

- TKR Calibrations
  - Hot/bad strips
    - Primary calibration needed
    - Done
  - ToT calibration – definition
    - Ingest electronic calibs (ped, 2 gain params) into sim/recon
    - Do scale calibrations to get to MIP scale
    - Use these scales in sim/recon
    - Note: there is only simple use of ToT in recon now – saturated or not for stopping proton ID.

- Tot Calibration - implementation
  - Still to get a file from online - will be in FITS format
  - Need converter from FITS to Root for our calibration infrastructure
  - Root infrastructure now ready to receive it
  - Need plane splits calib type defined
  - Probably could be done by end of Aug
  - Nothing in the works for MIP scale calibs
    - Probably a 1-2 month project
  - When is real need for this??
Deliveries (3)

- **TKR inter-tower alignment (fyi)**
  - Was taken off the front burner
  - Hiro had some code to handle this
  - Now modified by Tracy to be part of offline system.
  - **First** version could be ready by mid-Aug

- **Geometry doc (minor IMHO)**
  - Mark has done a complete review of existing geometry definition
  - Very small corrections needed – none to get excited about
  - Leon is very confident of integrity of TKR geometry relative to I&T
    - He has not been able to get time with knowledgeable TKR engineers
    - Persis has provided a path to an engineer – Leon expects he could do a review for early Sept.
    - Not critical
Deliveries (4)

- Stable version of GlastRelease
  - Forked off “EngineeringModel” package as stable version
  - Heather is the gatekeeper
  - ACD done for EM2
  - GEM handling available on TDS mid-Aug
    - Discussion underway for inclusion in Merit summary tuple
  - LDF unit test mostly done
    - Add GEM
      - Require: < 1000 event test files and C++ versions of LDFDump to automate tests
  - New CAL calib types track CAL schedule
  - FRED - delivered

Summary
- Pipeline still not demonstrated but looking more optimistic
- TKR hot/dead channels done
- TKR Tot delivery not agreed to yet
- CAL delivery after Labour Day
- EM package suffers from feature creep
  - Some from SAS
  - Some from I&T