Flight I&T Support
January 27, 2005
From Our Friends in I&T

- The TKR FMA data taken at SLAC is available with the new EMv30407p3 tag from SAS.

- To retrieve it go to
  - [http://www.slac.stanford.edu/cgi-wrap/eLog.pl/list](http://www.slac.stanford.edu/cgi-wrap/eLog.pl/list)

- I&T Analysis meeting tomorrow 8 AM PST
From Our Friends in I&T

Outstanding Issues

- Questions concerning optimized builds
- Using JIRA
  - Questions concerning who to assign the issues related run problems.
EngineeringModel

- Latest EM tag: v3r0407p5
  - Based on GR v4r7
  - System Tests in progress
EM and LDF

- New LDF v05-03-00 included
- Stores summary error bits and packet error bits in event flag in Digi ROOT files
- LdfValidator from ISOC is on hold pending discussions with Richard.
- Effort will now focus on validation of mapping from physical to geometrical space.
<table>
<thead>
<tr>
<th>What</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Error bits</td>
<td>Problem in optimized code</td>
</tr>
<tr>
<td>Pick up reorganized trigger bits</td>
<td>ASAP</td>
</tr>
<tr>
<td>New CAL code</td>
<td>Waiting for word from CAL people</td>
</tr>
<tr>
<td>Update LdfReader with more error checking</td>
<td>Soon</td>
</tr>
<tr>
<td>New TKR Recon</td>
<td>Wait for new GR tag</td>
</tr>
<tr>
<td>UDF handling</td>
<td>Skipping UDF contributions</td>
</tr>
</tbody>
</table>
CAL Update

- See CAL Report
- I&T Says:
  When do we get the new CAL Recon? As soon as reasonably possible (as currently latest calibGenCAL and CalRecon are not compatible), and preferably before we put in the new TkrRecon.
TKR Update

- See TKR Report
- Will move to new TkrRecon when there is a new tested tag of GR that includes it.
ToT calibration  Standalone translator program is working.

It translated 5.5 Mbyte xml file Johann created (ToT for 1 tower) to .87 Mbyte ROOT. Here is some output from a CalibSvc test program which requests ToT calibration data:

Successfully connected to MySQL host centaurusa.slac.stanford.edu database calib_test
CalibMySQLCnvSvc  DEBUG Creating an address of type 5 for class 6103
DetectorPersist...  INFO Added successfully Conversion service:CalibRootCnvSvc
RootBaseCnv      INFO Successfully opened ROOT file
$(CALIBROOTDATAROOT)/root/bigtot.root aka
/u/ey/jrb/dev500/vanilla/calibRootData/v1r3/root/bigtot.root for reading

CalibMySQLCnvSvc  DEBUG Method createObj exiting
UseTot            INFO Processing new TKR_TOTSignal after retrieveObject
UseTot            INFO Retrieved with path /Calib/TKR_TOTSignal/RootBeer
UseTot            INFO Serial #77
UseTot            INFO For tower X,Y = (0, 0) tray = 3 top = 1 strip = 27
UseTot            INFO Strip id = 27
UseTot            INFO Slope     = 0.32402
UseTot            INFO Intercept = 2.0694
UseTot            INFO Quad      = 0.0187317
UseTot            INFO Chi2      = 805.6
UseTot            INFO Deg. fr.  = 9
Pipeline

• From our friends in I&T

Big smile and thanks from I&T for the nice improvements to the front-end of the pipeline.

We loved it! It address what we asked for and was done in a timely fashion.