Flight I&T Support
As the CCB Turns
August 18, 2005
Resolution of last week’s episode

Some non-zero suppressed runs use large amounts of memory and ultimately crash after issuing a series of error messages:

Error in `<TObjArray::At>`: index 12 out of bounds (size: 10, this:0x09b6faa8)

- An old problem with TProcessIDs.
  - Creates an array sized according to the number of objects referenced. In our case, we need to reset the TProcessID array by hand and this was only being done for MC.
- This also fixes the problem Berrie was seeing with memory usage when reading our ROOT files into PyRoot.
From Our Friends in I&T

- Data Taking Plans - Anders
  - Will take 8 tower data at the end of this week and the beginning of next week. We will then do calibrations and immediately reprocess the 8 tower data.
  - Have started to reprocess all the 2, 4 and 6 tower data with the latest EngineeringModel Release.
  - Note: A new ntuple, cal.root, containing pedestal subtracted ADC values and the two CAL ends energies is now produced by default. The ends energies are no longer available in the SVAC ntuple as CalXtalEne contains the total energy. This new ntuple is linked from the Runs database just like the other files (Merit, SVAC, etc).

- Ongoing discussion concerning ACD data in SVAC ntuple.
From Our Friends in I&T

- Updated reconRootData using Double32_t is tagged – has not been promoted to head of GR or EM and won’t until it’s blessed by TKR.

- Starting to hear rumblings concerning a change to the LDF interface by Oct. In contact with JJ & Ric…
EM v5r0608p6 is the man and has CCB stamp of approval.

- Based on GR v6r8 – more and more loosely

EM HEAD

- Contains update to GlastSvc v9r15p3 and TkrDigi v2r4p3 to fix JIRA GEO-6
## Schedule

<table>
<thead>
<tr>
<th>TAG</th>
<th>Description</th>
<th>When?</th>
</tr>
</thead>
<tbody>
<tr>
<td>v5r0608p1</td>
<td>New CaXtalResponse,</td>
<td>Tagged, Blessed by CCB, in pipeline</td>
</tr>
<tr>
<td>v5r0608p2</td>
<td>Latest calibGenCAL</td>
<td>Tagged, blessed by CCB</td>
</tr>
<tr>
<td>v5r0608p6</td>
<td>All the stuff from p3-p5 plus the key fix to TProcessID</td>
<td>Tagged, and blessed by CCB</td>
</tr>
</tbody>
</table>
GRINF-26 Shift in the Event Time
See:  http://jira.slac.stanford.edu/browse/GRINF-26?page=history

- Toby has implemented a fix – EM is holding off due to large number of packages involved.

- LDF-24 non-reproducible crash running ldf2digi on 6 tower data
CAL Update

See CAL Report
TKR Update

- See TKR Report.
- New TkrRecon tag v10r5p8em2 includes alignment tool: TkrAlignHitsTool
  - Holding off including in EM HEAD until I&T blesses it.
- After the change to active area in TKR geometry (done for alignment – misaligned hits), MC produces more hits on track than expected. Leon fixed this in two new tags of GlastSvc and TkrDigi. See JIRA Geo-6
Calibration – How is Joanne?

- The Question is Moot!