CCB Action 20060725

Code Versions

Engineering Model (sim/recon): v6r070329p27

This release can handle a missing range in 4-range readout without crashing, some updates to the CAL ntuple
and we now use the new DFI that correctly interprets the TimeTone error flags.

With this release we can now run the TKR noise monitoring automatically in the pipeline. This will be a new pipeline task
that will run after the generation of the SVAC ntuple, use the TKR histograms that we store in that Root file and make
a report. This report will now be linked for each run that we run recon on, just like the usual SVAC reports (digi and recon reports).
This new report was made manually during EMI testing and turned out to be very useful, especially for flare monitoring. This new report
was added to the pipeline at Eric Grove's request for TVAC operations.

Differences wrt the previous pipeline EM release (EM v6r070329p21)

New tags:

lsfData v0r6:
- RBL Add LsfTimeTone.earlyEvent and LciConfiguration.strobe flags to match DFI V3-4-1

enums v0r9:
- RBL Add EMPTY_EVENT and STROBE flags in Lsf.h to match DFI V3-4-1
- HMK Add flag for missing CAL readouts in ALLRANGE
- HMK Add constants for flight OBF

RootIo v17r9gr10:
- HMK fix up check of kWriteError bit
- HMK Check kWriteError bit and report error if necessary
- HMK write out CAL ALLRANGE even if missing readouts

RootConvert v1r5em3:
- HMK remove old debug statement from LsfDigiConvert.cxx

CalXtalResponse v0r9p2em4:
- fewtrell Branch tag enables 4-range for all CalTuple's. also fixes bug where CalTuple forces all tuples to write after every event.
- fewtrell enable 4-range faceSignal for CalTuple (not just adc values). also fixes indexing bug in 4 range adc from previous tag.
- fewtrell also ensure that below pedestal adc values do not result in negative energy

CHS/eventFile v2:
- RBL new file format. Added strobe and earlyEvent flags from DFI V3-4-1.

LatIntegration v2r59:
- awb Changed input file for system tests to new evt file version.

System Tests for this version

System Tests results:

No changes wrt to EM p21.

Fred version:

v0r99

Pipeline version:

v1.4.6

GRITS tag (web browsing and task configuration)

glast-ground v0r3p7
grits-gino-web version 0.55 (v0r5p5)
grits-gino version 0.95 (v0r9p5)
grits-gino-xml version 1.42 (v1r4p2)
grits-common version 0.32 (v0r3p2)

online/svac (task defs, scripts):

pipeline tasks:

online: v2r4p1

svac pipeline code and tasks:

code/tasks v3r6p0:

pipelineDatasets v0r3

ISOC code and tasks:

v0r5p0

Apps that run in pipeline:

eLog: v2r3p1
ConfigTables: v3r2p1

TestReport: v3r6p12 (digi & recon reports): awb
- Improve code to catch missing datagrams for LCI runs, JIRA SVAC-107.

EngineeringModelRoot: v3r0 (SVAC tuple)   Same as before

July 31, 2006: Approved unanimously (Richard unavailable)