

# CCB Action 20050610

## EngineeringModel v5r0608p1

GlastPolicy v6r4  
astro v1r9p1  
Trigger v4r0p1  
flux v8r18  
celestialSources v1r0p4  
FluxSvc v6r23p4  
CalDigi v2r1p2  
CalibSvc v0r21p3  
ntupleWriterSvc v3r6p1  
merit v6r20  
Gleam v5r13p1  
userAlg v6r4p5  
CRflux v1r3p1  
HepRepCorba v1r5p2

All of the above were picked up from GlastRelease v6r8.

Removed FluxDisplay just as GlastRelease has since FRED does not use it.

calibUtil v1r4  
Joanne Bogart  
Adds new application, calibCoverage, which is used to verify that the metadata database has a sensible set of calibrations.

TkrRecon v10r5p8em0  
Tracy Usher  
Branch created to include fix for kal theta multiple-scattering angle which had an artificial cutoff which had been necessary to keep the Kalman energy from being computed as an infinite value if the angle turned out to be zero. Now both a "raw" and "modified" value are used such that the "real" multiple-scattering angle with no cutoff is now reported.

GlastPolicy/RootcintPolicy v5r0p0  
Heather Kelly  
Added new pattern to allow more than just one shared library to be built in a ROOT package. This was done to fulfill a request by Johann that RootAnalysis build a LeaningTower shared library.

commonRootData v2r1p0  
Heather Kelly  
Uses new version of RootcintPolicy that includes new pattern for creating multiple shared libraries.

mcRootData v2r16p0  
Heather Kelly  
Uses new version of RootcintPolicy that includes new pattern for creating multiple shared libraries.

digiRootData v8r4  
Heather Kelly  
Uses new version of RootcintPolicy that includes new pattern for creating multiple shared libraries.  
Also adds in new error summary class to store LDF errors.

reconRootData v5r6p3  
Heather Kelly  
Uses new version of RootcintPolicy that includes new pattern for creating multiple shared libraries.

calibRootData v1r7p1  
Joanne Bogart  
Uses new RootcintPolicy that includes new pattern for creating multiple shared libraries.

IExternal v4r1p2  
Navid Golpayegani  
Pick up more recent IExternal/ROOT which was updated to load the TreePlayer shared library along with the other ROOT GUI libraries.

calibGenTKR v2r6  
Hiro Tajima and Joanne Bogart

Updates muonCalibTot which now reads hot and dead strips xml files and remove them from disconnected strips. Hot strips are read from data directory since they are used to mask hot strips during data taking. The dead strips xml file can be specified via job options. This tag requires the latest facilities tag v2r12.  
(Hiro) and enhance xml2root application so that it can append to or replace information in a pre-existing ROOT file. (Joanne)

facilities v2r12  
Joanne Bogart  
Adds new utility Util::expandEnvVarOS.

calibGenCAL v3r6p11  
Zach Fewtrell  
Addresses JIRA <http://jira.slac.stanford.edu/browse/CAL-10>, <http://jira.slac.stanford.edu/browse/CAL-11>, <http://jira.slac.stanford.edu/browse/CAL-12>

RootAnalysis v8r5

Heather Kelly and Michael Kuss

Creates a shared library for Leaning Tower at Johann's request.

RootTreeAnalysis was fixed to be ACLIC-able and includes a new macro that demonstrates how to compile RootTreeAnalysis using ACLIC at the ROOT command line.

Addresses JIRA <http://jira.slac.stanford.edu/browse/SVAC-59> by removing code in LeaningTower that slowed down alignment.

xmlGeoDbs v1r22p4

Anders Borgland

Add 4, 6 and 8 tower geometries to the latAssembly.

xmlBase v5r2

Joanne Bogart

Adds parser set up method to support xml files using Schema as well as those using the old-style DTD

ldfReader

Heather Kelly

Handle Error Summary which may appear in TEM data in the LDF.

LdfConverter v1r13

Heather Kelly

Address JIRA <http://jira.slac.stanford.edu/browse/SVAC-57>

Handle Error Summary which may appear in TEM data in the LDF

LdfEvent v2r13

Heather Kelly

Create a new class to store the error summary which may appear in the TEM data in the LDF.

Rootlo v15r8p1em1

Heather Kelly

Reads and writes error summary data to/from the TDS to/from ROOT.

LatIntegration v2r29

Anders Borgland

Introduced new jobOptions parameter that allows a warning to be printed in the GEM condition summary is zero. This addresses JIRA <http://jira.slac.stanford.edu/browse/SVAC-57>.

CalXtalResponse v0r5p1

Zach Fewtrell

Fix in response to apparent CAL ADC shift reported by Anders Borgland (SVAC). Repairs included fixes to retrieving constants from the GlstDetSvc for the geometry, where the fSement variable was left un initialized. This caused the ADC shift, since fSegment specifies the volld index for a crystal segment. This information is vital for determining the asym->pos calculation in CalDigi.

## Code Versions

**Engineering Model (sim/recon) [v5r0608p1](#) \*\*changed\*\***

**System Tests for this [version](#)**

**System Tests [Result](#)**

**FRED version**

[0.98](#)

**Pipeline tag**

v1r0p2

**GRITS tag (web browsing and task configuration)**

glst-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: v2r1p2

svac pipeline code and tasks:

code/tasks v3r1p18

ISOC code and tasks:

v0r5p0

Apps that run in pipeline:

eLog: v2r2p6

ConfigTables: v3r1p4

TestReport: v3r2p7 (digi & recon reports)

EngineeringModelRoot: v1r3p17 (SVAC tuple)

Approval: unanimous 21 June, 2005