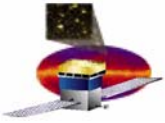


GLAST LAT System Engineering

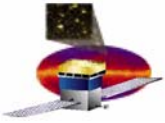
LAT Test Planning Meeting Alternate Integration Plans

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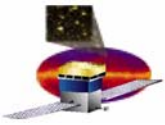
Meeting Goals

- ❑ If we follow an alternate integration sequence, what is the minimum required testing
- ❑ Alternate sequence is:
 - Do not integrate the ACD at this time
 - Integrate 8 towers
 - Perform a set of 16 tower tests <this is the test that we will scope in this meeting>
 - Integrate the ACD
 - Continue with integration and performance testing



Existing Test Sequence Summary

- The existing test sequence to be performed with 16 towers is:
 - TEM register tests
 - LAT CPT for Calorimeter and Tracker
 - TE702 and 704 to complete Tracker subsystem testing
 - Time in the new towers
 - Calibration runs (CalibDac, CalibGen, MuTrig, TE601, 602 and 604)
 - SVAC runs



Proposed Test Sequence Discussion

- The proposed modifications to the planned tests are:
 - Skip the register tests as they will have been performed during the installation of the last 8 towers
 - Run LAT CPT for Cal and Tracker
 - About a day of testing
 - Gives good confirmation that the towers are operating properly
 - Given that the single bay LPTs were performed as part of the installation process, could we skip this test here and do it after the ACD is installed?
 - Run Tracker tests TE702 and 704 (necessary to complete testing of the trackers, less than one shift)
 - Time in the 8 new towers (Time duration needs to be worked - what can be done in parallel?)
 - Defer the calibration runs until the ACD is installed
 - Defer the SVAC runs until the ACD is installed
 - Perform a short TBD Muon run to demonstrate that the 16 towers are working together (calibration for this muon run is TBD, since the Calorimeter or Tracker would not have been calibrated with the flight TEM/TPS)