I&T&C Organization Chart

I&T&C Manager
Elliott Bloom
WBS 4.1.9

I&T Engineer
B. Grist
WBS 4.1.9.1

Reliability & QA
D. Marsh
WBS 4.1.9.2

Instrument Operations Coordinator
S. Williams

Online Manager
R. Claus

Mechanical Ground Support Equipment
TBD

Integration, Facilities, Configuration, and Test
O. Millican (Acting)
I&T Preparation 4.1.9.3
EM1 Model I&T&C
Calibration Unit I&T 4.1.9.4
Flight LAT I&T 4.1.9.6
Mission I&T Support 4.1.9.7

Particle Test Manager
G. Godfrey
I&T Preparation 4.1.9.3
EM1 Model I&T&C
Calibration Unit I&T 4.1.9.4
Flight LAT I&T 4.1.9.6
Mission I&T Support 4.1.9.7

Environmental Test Manager
M. Lovellette
I&T Preparation 4.1.9.3
EM1 Model I&T&C
Calibration Unit I&T 4.1.9.4
Flight LAT I&T 4.1.9.6
Mission I&T Support 4.1.9.7

Science Verification, Analysis, and Calibration
E. do Couto e Silva
I&T Preparation 4.1.9.3
EM1 Model I&T&C
Calibration Unit I&T 4.1.9.4
Flight LAT I&T 4.1.9.6
Mission I&T Support 4.1.9.7
Performance & Safety Assurance

- **Requirements Summary**
  - The LAT I & T activities will be conducted in accordance with:
    - GLAST LAT MAR, GSFC 433-MAR-0001
    - GLAST LAT PAIP, LAT-MD-00039
    - GEVS-SE, Dated June 1996
    - GLAST LAT System Safety Program Plan
  - The LAT ground data system assurance program will be developed in accordance with LAT MAR/PAIP
  - Lessons learned from other programs will be utilized throughout the program
Performance & Safety Assurance

- Quality Assurance Activities
  - Process control system
  - Test and inspection of hardware & software
  - Training and certification of personnel
  - Measuring and test equipment calibration
  - Review test plans and procedures
  - Review quality program records
  - Monitor LAT Team Member I & T activities
  - Contamination Control
  - Configuration control as detailed in the LAT Configuration Management Plan
Performance & Safety Assurance

- **I & T Controls**
  - Items maintain identity by drawing number and serial number
  - Material Review Board action required for non-conforming material
  - I & T processes continually monitored
  - Controlled storage for assemblies in I & T
  - Contamination control
    - Facility certified by an outside organization
    - Class 10,000 maintained by monitoring and cleaning
    - Continuous monitoring for particle counts and hydrocarbons
    - Surface cleanliness verification of flight hardware by optical witness samples, particle fallout plates, and/or tape lifts
    - Use of cleanroom garments and equipment required
  - Calibration and QA monitoring of critical equipment, tooling, jigs, and fixtures
Performance & Safety Assurance

- **Deliverable Documentation**
  - Nonconformance Reports
  - Failure Analysis Reports upon request
  - Material Review Board actions if cost, schedule, or performance affected
  - Verification Test Plan
    - Performance
    - Environmental
    - Verification Matrix
  - Test Procedures and Reports
  - Contamination Control Plan
  - Hazard analyses as required
Performance & Safety Assurance

- **Test and Inspection Summary**
  - Test and inspection performed on all assemblies
  - System of controlling and approving documents in place
  - Specific procedures govern system level testing
  - Records of test and inspection are maintained
  - Use of workmanship standards
  - Use of nonconformance reporting system