

**GLAST LAT I&T**

*GLAST Monthly  
Mission Review  
June 29, 2006*

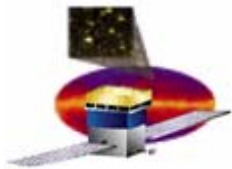


## **Monthly Mission Review**

## **Project Status Overview**

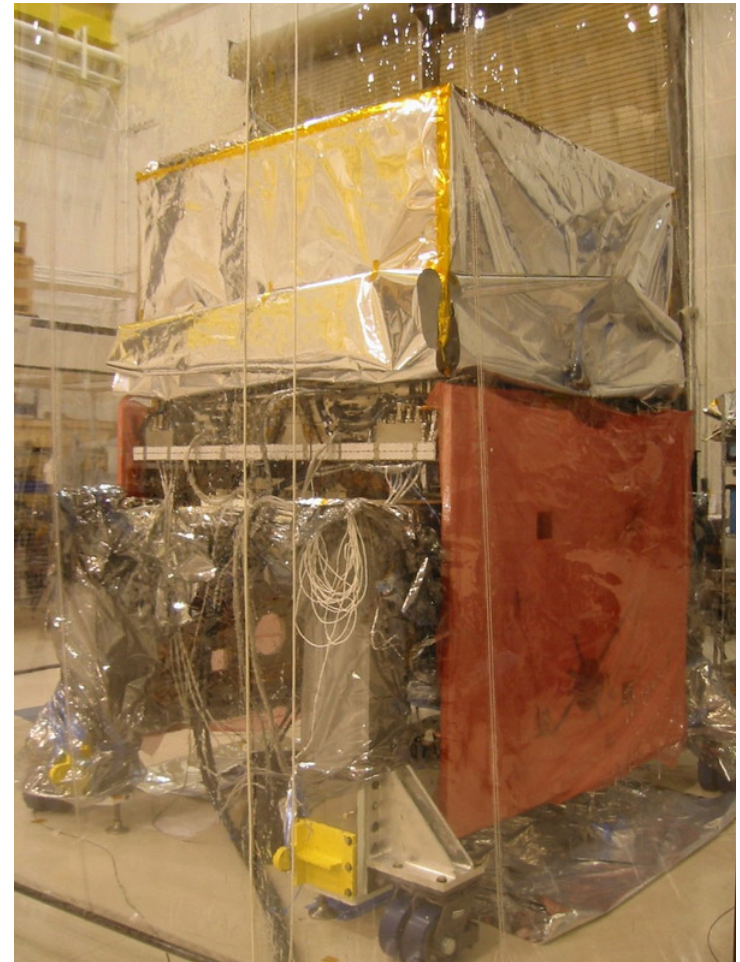
**June 29, 2006**

**Neil Johnson  
Naval Research Lab  
neil.johnson@nrl.navy.mil**



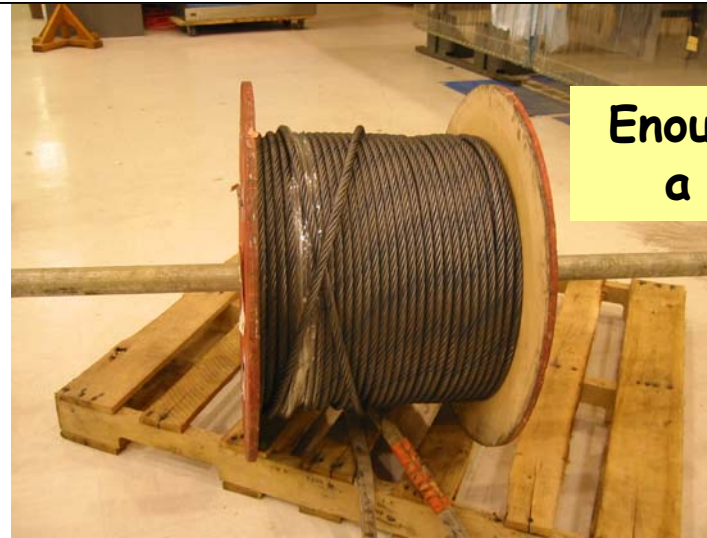
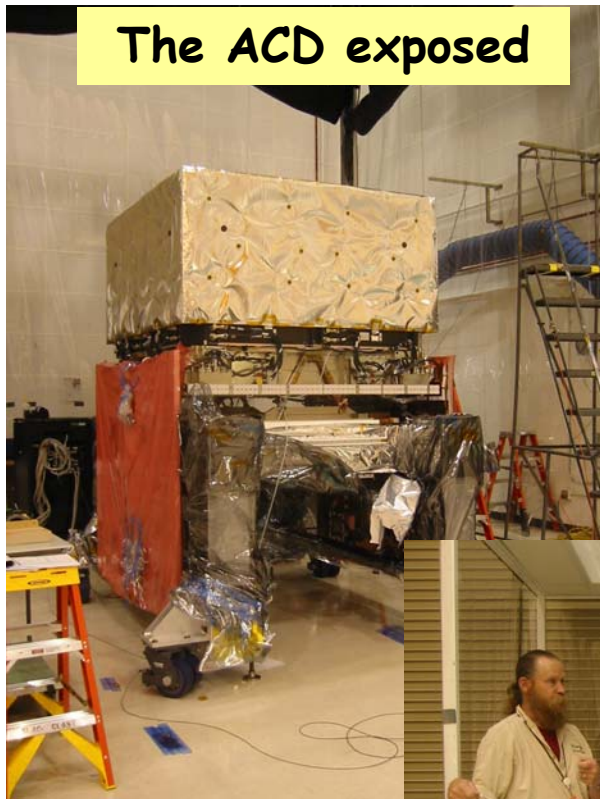
# Project Status

- ❑ Commissioning completed - May 11<sup>th</sup>
- ❑ LAT safely transferred to NRL for Environmental Test - May 14<sup>th</sup>
- ❑ Pre Environmental Review completed – May 25<sup>th</sup>
- ❑ Sine Vibe test completed – June 6<sup>th</sup>
  - Post vibe LPT – no LAT issues
  - Potential issue with flexure mount provided by SASS.
- ❑ Radiators repaired and Installed – June 14<sup>th</sup>
  - LAT is completely assembled for the 1<sup>st</sup> time!
- ❑ EMI/EMC testing completed – June 24<sup>th</sup>
  - Post EMI LPT – no LAT issues
  - Radiated and conducted susceptibilities noted
- ❑ Acoustic test starts tomorrow.

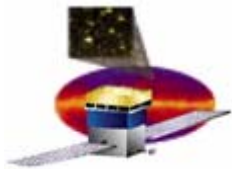


LAT in clean tent after survey

# Today's Activities

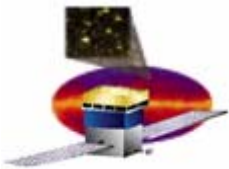




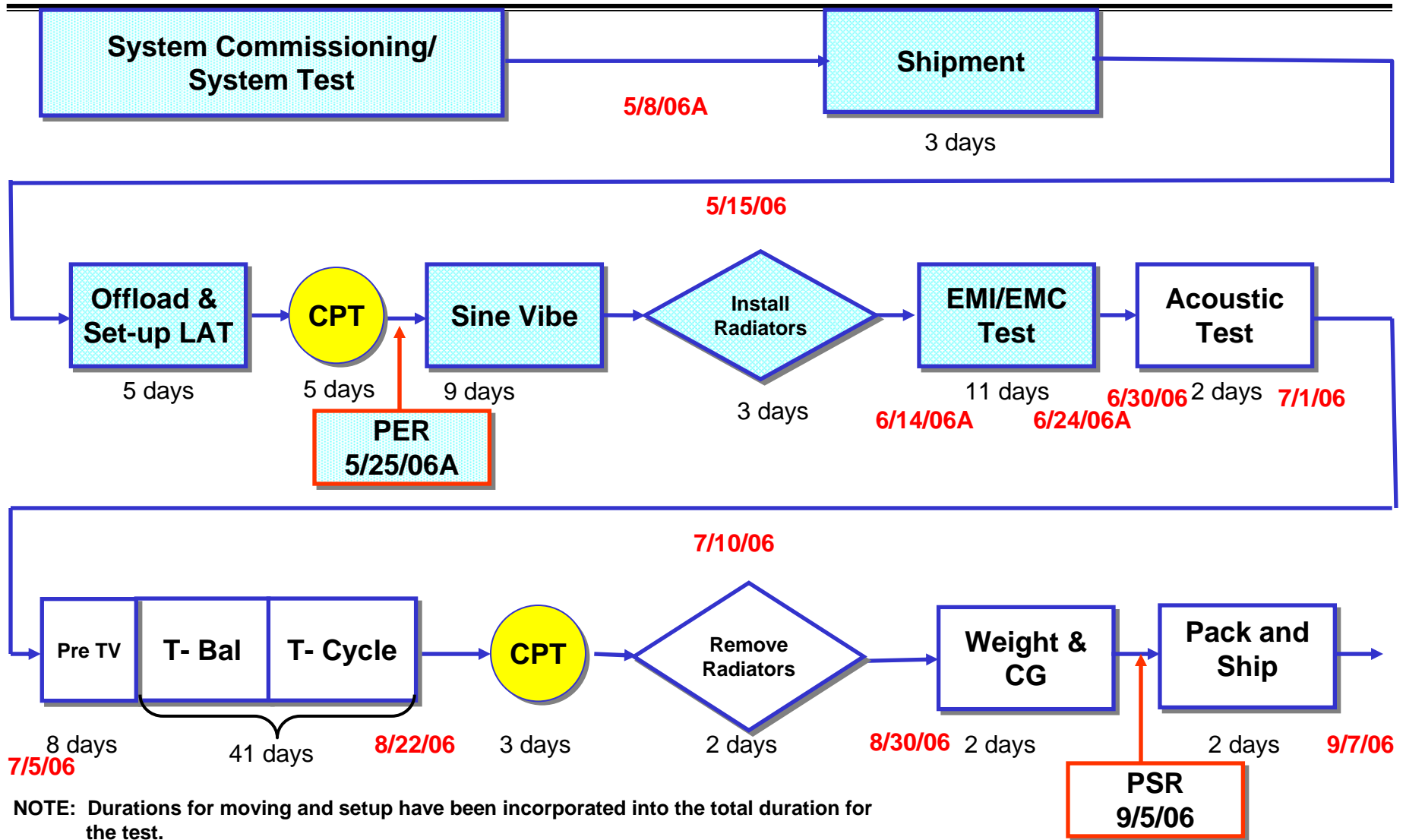


# Project Summary

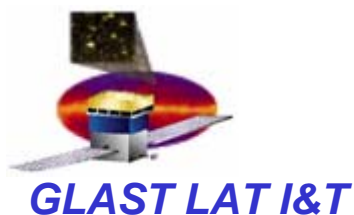
- ❑ **Performance baseline is stable**
  - Thru environmental testing to date, there have been no significant changes in LAT performance
- ❑ **Flight Software baseline is stable**
  - No new bugs or features discovered during LAT test operations to date.
    - Finally understand gamma filter issue preventing LAT22x completion
  - B0.6.9 will be used throughout the environmental test program
- ❑ **LICOS and Offline pipeline and analyses are stable**
  - Incremental improvements (alarm system, level 1 data processing) are occurring
  - Test scripts are stable.
- ❑ **Network between NRL – SLAC is meeting our needs.**
  - One 48 hour outage during EMI testing slowed us down briefly
  - Resulting network performance research has increased bandwidth x5
- ❑ **The entire LAT team has rallied to support the test program at NRL**
  - Timely online and offline analyses of test data has provided needed performance results
  - Cooperation and some luck have kept us on schedule.



# LAT Test Flow



NOTE: Durations for moving and setup have been incorporated into the total duration for the test.



# Monthly Agenda

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**All Times are Eastern Daylight Time**

11:00 - 11:30am	CCB	Lowell Klaisner
11:30 - 11:45am	Project Status Overview	Neil Johnson
11:45 - 12:00pm	PMCS Summary	Lowell Klaisner
12:00 - 12:45pm	I&T / Environmental Test	Ken Fouts
12:45 - 1:00pm	Break, bring your own lunch	
1:00 - 1:30pm	LAT Commissioning Status	Eric Grove
1:30 - 2:00pm	NCR & Verification Status	Pat Hascall
2:00 - 2:30pm	DAQ / FSW Status	Neil Johnson
2:30 - 3:00pm	ISOC Status	Rob Cameron
3:00 - 3:15am	Beam Test Status	Steve Ritz
3:15 - 3:30pm	EPO	Sarah Silva