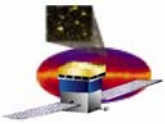


# GLAST Large Area Telescope:

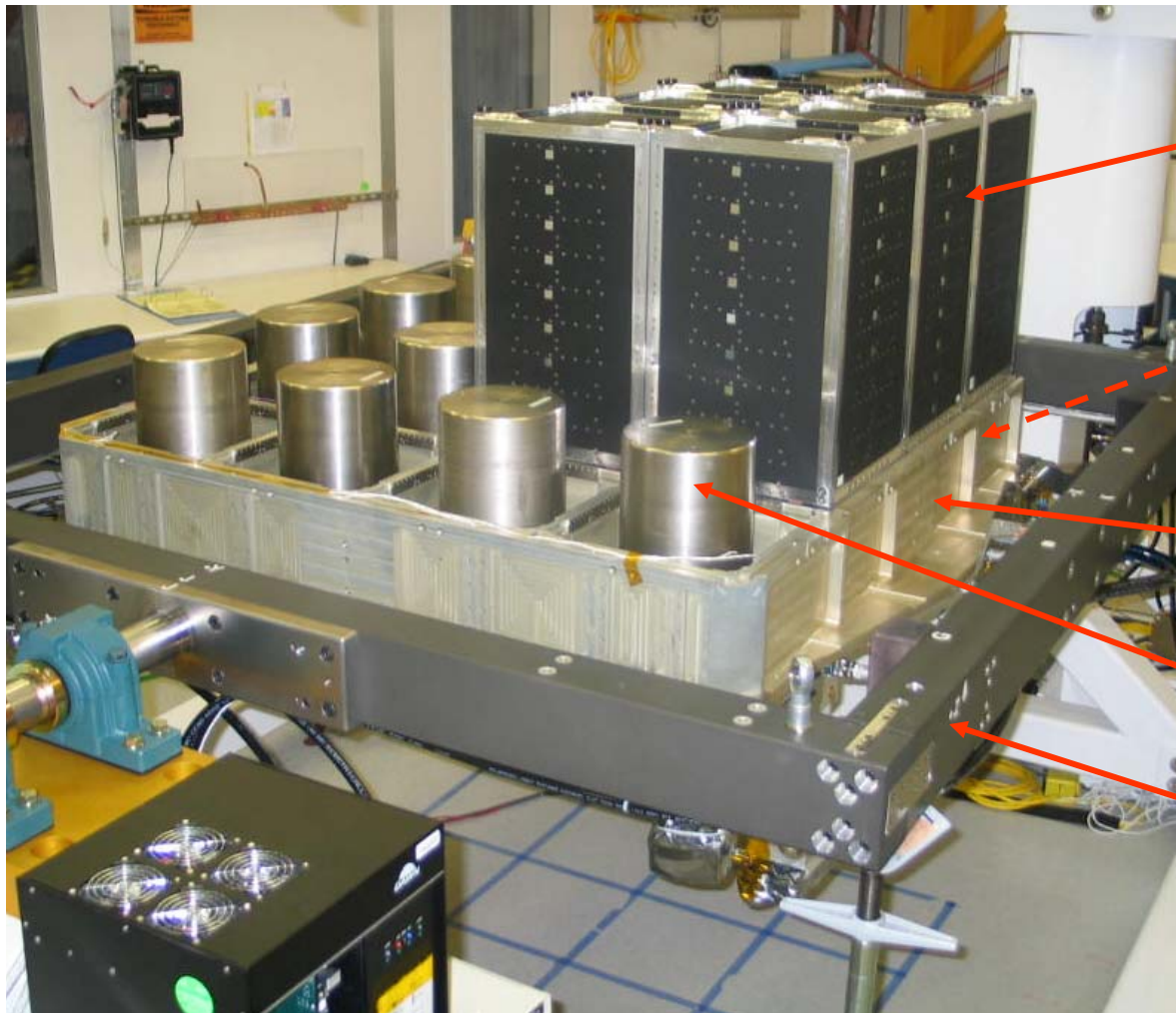
## LAT Management Meeting

Lowell A. Klaisner  
Stanford Linear Accelerator Center  
Project Manager, LAT

Klaisner@slac.stanford.edu  
650-926-2726



# Six Towers in Grid + Z



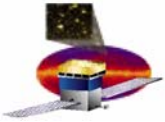
Tracker Modules  
(X6)

Calorimeter Modules  
(X6)

GRID

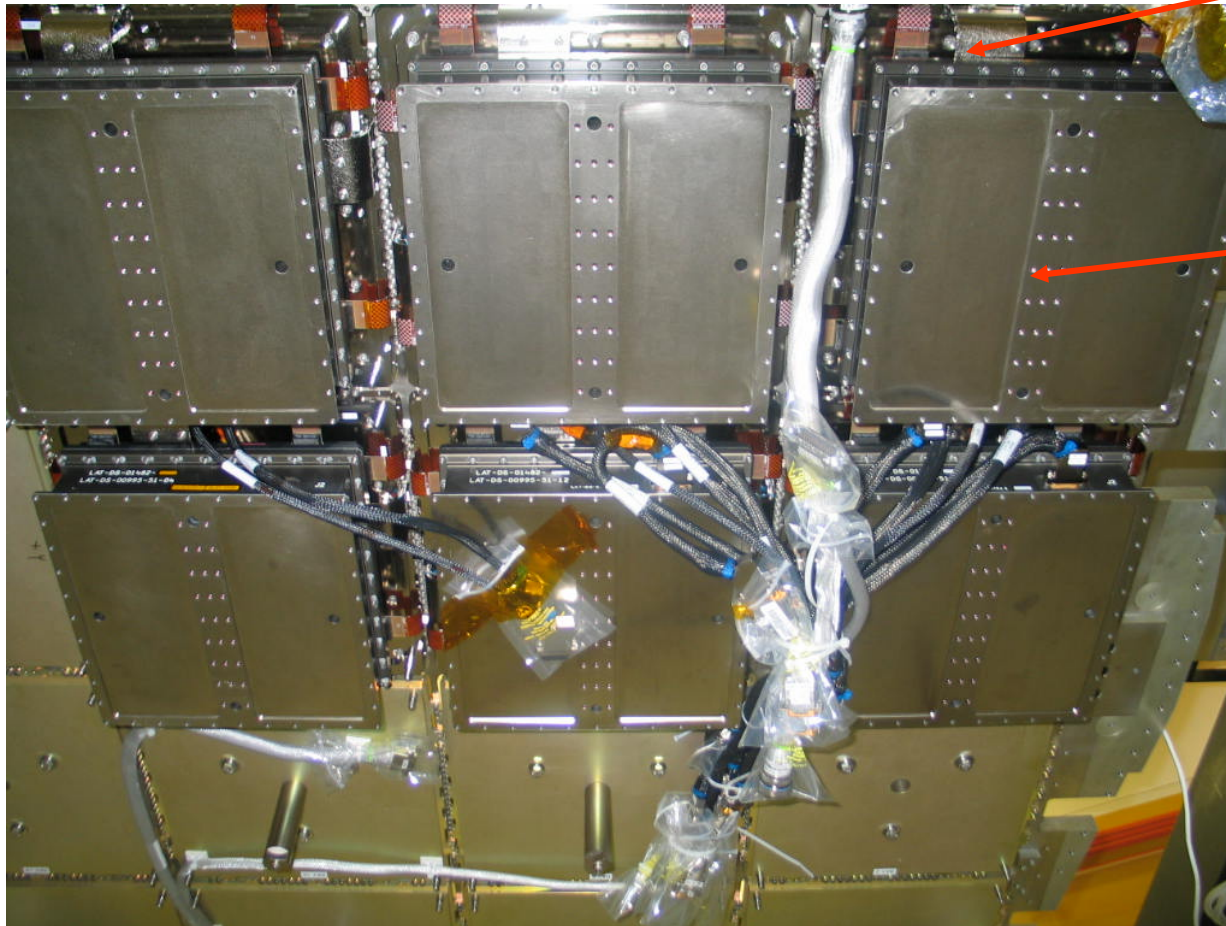
Mass Simulators

GRID Perimeter  
Ring (MGSE)



# Six Towers - Z

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**Tower Electronics  
Modules (X6)**

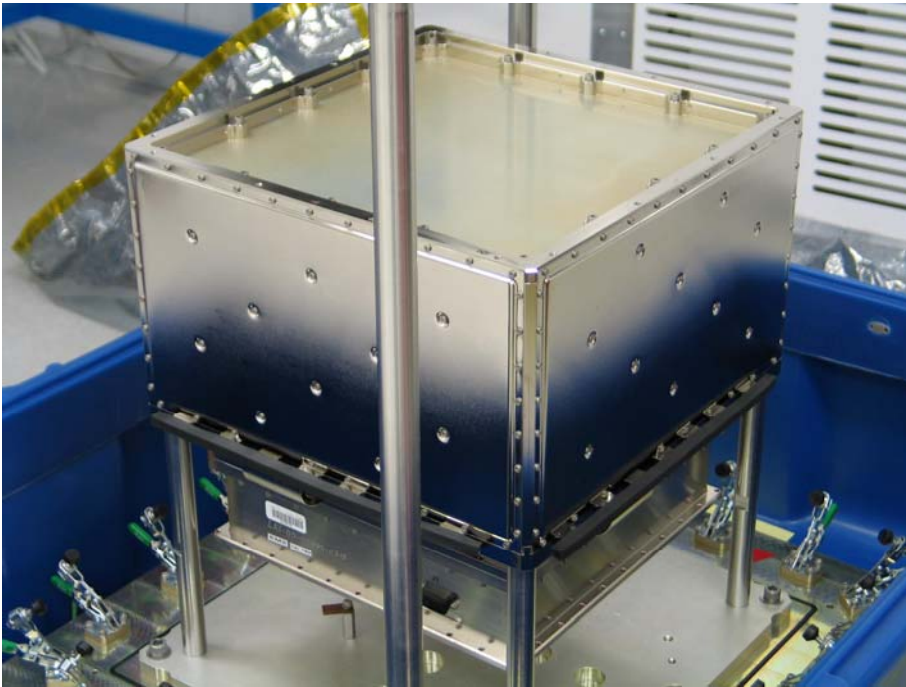
**Tower Pwr Supply  
Modules (X6)**



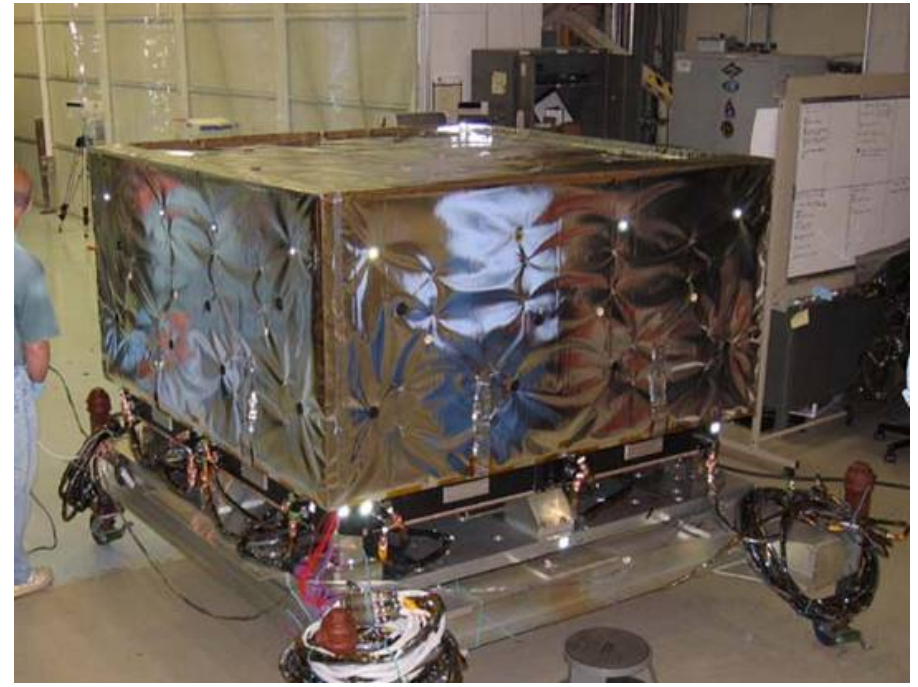


# CAL and ACD

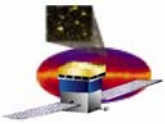
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**Calorimeter**



**Anticoincidence  
Detector**



# Module Status

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Subsystem	Complete	Tested	RFI	Integrated
Calorimeter	18	18	18	6
Tracker	11	8	7	6
Tower Electronics Modules /PS	18	13	7	6



# Master Schedule

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- LAT complete and tested **January 15, 2006**
  - To NRL for environmental testing
- Delivery to Observatory Integration **June 1, 2006**
  - Mate with spacecraft and GBM and test
- Launch **August 31, 2007**
  - Kennedy Space Flight Center

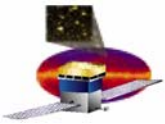


**Spitzer Telescope  
Launch on a Delta II  
Heavy**



# Module Schedule

M/E June 2005	Forecast Dates and Float (working days) to "Ship LAT"									
	Mech/ACD		TKR		CAL		ELEC		I&T	
Grid	11/08/04A	-								
1st Module			02/04/05A	-	12/08/04A	-	02/17/05A	-	04/07/05A	-
2nd Module			02/24/05A	-	01/14/05A	-	03/09/05A	-	04/13/05A	-
3rd Module			05/10/05A	-	01/14/05A	-	05/19/05A	-	05/27/05A	-
4th Module			05/10/05A	-	01/14/05A	-	05/19/05A	-	05/31/05A	-
5th Module			05/10/05A	-	01/14/05A	-	06/02/05A	-	06/08/05A	-
6th Module			06/09/05A	-	02/22/05A	-	06/06/05A	-	06/27/05A	-
7th Module			06/09/05A	-	02/22/05A	-	06/06/05A	-	08/02/05	52
8th Module			07/25/05	56	04/25/05A	-	07/08/05	67	08/02/05	52
9th Module			09/02/05	32	04/25/05A	-	07/08/05	72	09/16/05	26
10th Module			09/08/05	30	04/25/05A	-	07/15/05	68	09/16/05	26
11th Module			09/12/05	29	05/25/05A	-	07/15/05	69	09/26/05	26
12th Module			09/14/05	28	05/25/05A	-	07/22/05	65	09/26/05	26
13th Module			09/14/05	33	05/25/05A	-	07/22/05	70	10/04/05	26
14th Module			09/19/05	31	05/25/05A	-	07/29/05	66	10/04/05	26
15th Module			09/21/05	34	06/10/05A	-	07/29/05	71	10/18/05	26
16th Module			09/23/05	34	06/10/05A	-	08/05/05	68	10/18/05	27
ACD	08/12/05	81								
X-LAT	07/22/05	100								
Radiators	08/15/05	148								
Harness							08/30/05	59		
PDU							10/04/05	34		
GASU							09/27/05	38		
1st EPU/SIU							11/16/05	5		
Last EPU/SIU							12/14/05	(14)		
FSW Cand Test Start							06/14/05A	-		
FSW FQT							09/09/05	49		
Inst Global Items									01/13/06	(14)
System Test									03/13/06	(14)
LAT Arrives at NRL									03/19/06	(14)
Sine Vibe									04/13/06	(14)
EMI/EMC Test									05/04/06	(14)
Acoustic Test									05/15/06	(14)
TVAC									06/13/06	(14)
Weight & CG									06/15/06	(14)
Preship Review									06/16/06	(14)
Ship LAT									06/17/06	(14)

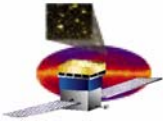


# Milestones

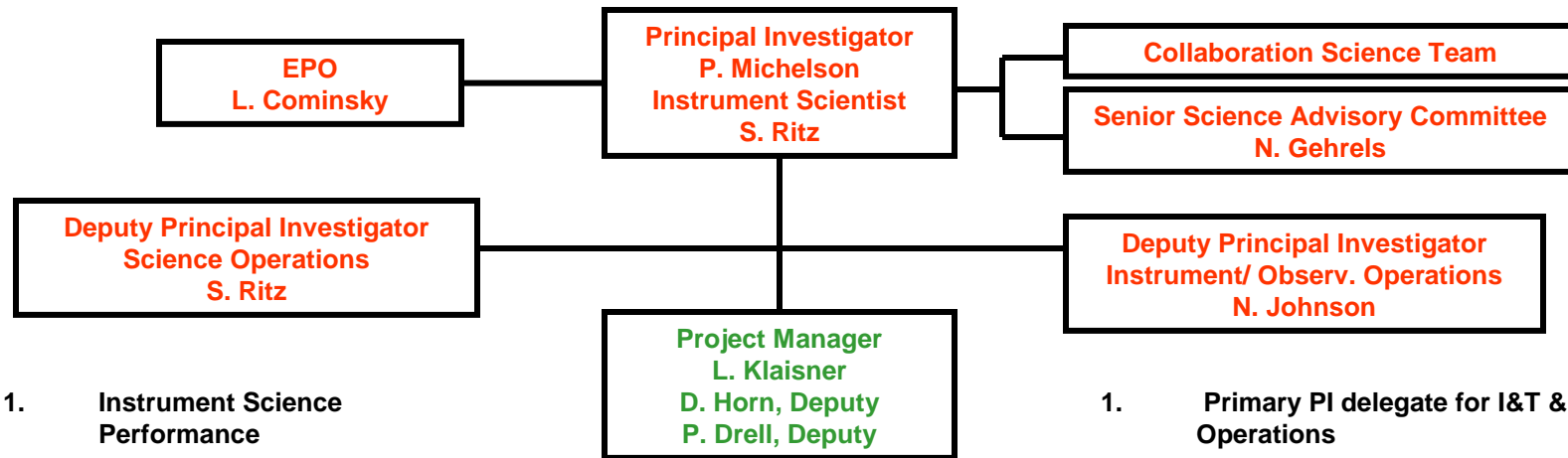
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- **Checkout of the flight configuration** **October 1, 2005**
  - **Flight Software release**
  - **Instrument in flight configuration**
    - **Engineering model computer modules**
  - **GSE and supporting infrastructure “flight like”**
- **Instrument completely assembled** **December 1, 2005**
- **Instrument shipped to NRL** **January 15, 2006**
  - **Environmental test**
  - **GSE and procedures in place**
- **Instrument shipped to GD/SSAS** **May 1, 2006**





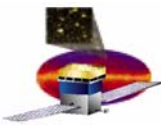
# LAT Organization Chart



1. Instrument Science Performance
2. Science Verification and Calibration
3. Instrument liaison with science working groups
4. Coordinate science tools with Collaboration requirements

1. Deliver an Instrument that meets the science and mission requirements

1. Primary PI delegate for I&T & ISOC Operations
  - a. Coordination with collaboration for support
  - b. Primary interface for LAT Instrument management regarding operations
  - c. PI representative for Observatory Test and Launch Operations
  - d. PI representative for transition planning from test to flight operations



# LAT Organization Chart

