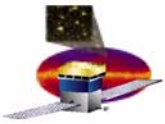


# Project Status

March 30, 2006

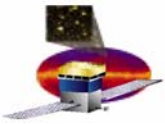
**Lowell A. Klaisner**  
**Project Manager**  
[klaisner@slac.stanford.edu](mailto:klaisner@slac.stanford.edu)  
**650-926-2726**



## Project Status (1 of 3)

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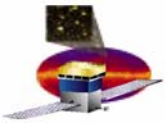
- **EPU/SIU**
  - All EPU/SIU have cycled thru the RAD 750 inspection program
    - All RAD 750s had a full fillet around EEPROMs
    - No other significant problems were uncovered
    - BAE evaluation program ?
- **FSW**
  - Version 6.6 running on the instrument
  - FSW FQT TRR this afternoon
- **Flight hardware**
  - All flight hardware is installed on the instrument except:
    - Radiators – installed at NRL
    - Cross-LAT plate



## Project Status (2 of 3)

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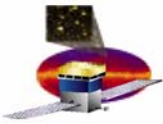
- **Organization**
  - Having Eric Grove here as commissioner has helped keep the test program on track
  - Gunther and his organization are directly involved and this has moved the commissioning forward
  - Daily 9:00 meetings to coordinate trouble shooting and plan days activities
- **Issues**
  - Working through the test issues
  - Pending Contract Mod



## Project Status (3 of 3)

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- **LICOS Scripts**
  - **Good progress – adding personnel has helped**
  - **Still just in time**
  - **Building a track record of successful runs on the instrument**
- **Test strategy**
  - **CPTs are a suites of individual tests**
  - **Run these tests individually to uncover issues with flight hardware, flight software, the script, and on-line software**
  - **Test status on next chart**
- **Outstanding issues**
  - **TKR Noise and Gain script does not complete**
    - **Traced to TEM busy being asserted**
  - **LATC can corrupt date on large events**
    - **Traced to TKR configuration and ring buffer in LATC**



# LAT CPT Status

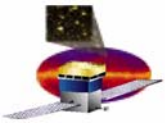
Tier	ID	Name	Configurations									TT	V&V	LAT	Status
			1	2	3	4	5	6	7	8	9				
1	LAT00x	LAT Power On	1	1	1	1	1	1	1	1	1	X	X	X	
	LAT01x	LAT Power Off	1	1	1	1	1	1	1	1	1	X	X	X	
	LAT04x	Establish Science Operations Config	1	1								X	X	X	
	LAT22x	Science Operations Demo	1	1	2	2	2	2				X	X	X	
2	LAT30x	ACD CPT	1	1								X	X	X	
	LAT40x	CAL CPT	1	1								X	X	X	
	LAT50x	TKR CPT	1	1								X	X	X	
3	LAT07x	LAT Energy Measurement Calibration	2									X	X	X	
	LAT21x	LAT Timing Measure & Adjust	1	2								X	X		ECD 3/31
4	LAT03x	Electrical Power Subsystem Performance	1	1								X			ECD 4/7
	LAT13x	LAT/Spacecraft Interface Test	1	1	2	2						X			ECD 4/7
5	LAT02x	LAT Reinitialization	2	2	2	2		2				X			ECD 5/1
	LAT06x	SIU/EPU Hardware Functional	1	1								X			ECD 4/7
6	LAT15x	LAT Ambient TCS Test	2	2								X			ECD 4/7
	LAT16x	LAT Survival Heater Test	2	2											Procedure
	LAT521	LAT Light Tight Test	2												Procedure
7	LAT70x	LAT SVAC Flight Config on Ground	1	2								X	X	X	
	LAT711	LAT SVAC Muon Calibration	2												ECD 5/1
8	LAT12x	LAT Science Modes	1	2								X			ECD 4/15
9	LAT20x	LAT Science Performance Diagnostics	2	2											ECD 5/1
	LAT23x	LAT GRB Handling	2	2	2	2									ECD 5/1
10	LAT31x	ACD LPT	2	2											ECD 5/1
	LAT41x	CAL LPT	2	2											ECD 5/1
	LAT51x	TKR LPT	2	2											ECD 5/1

**Config Codes:**

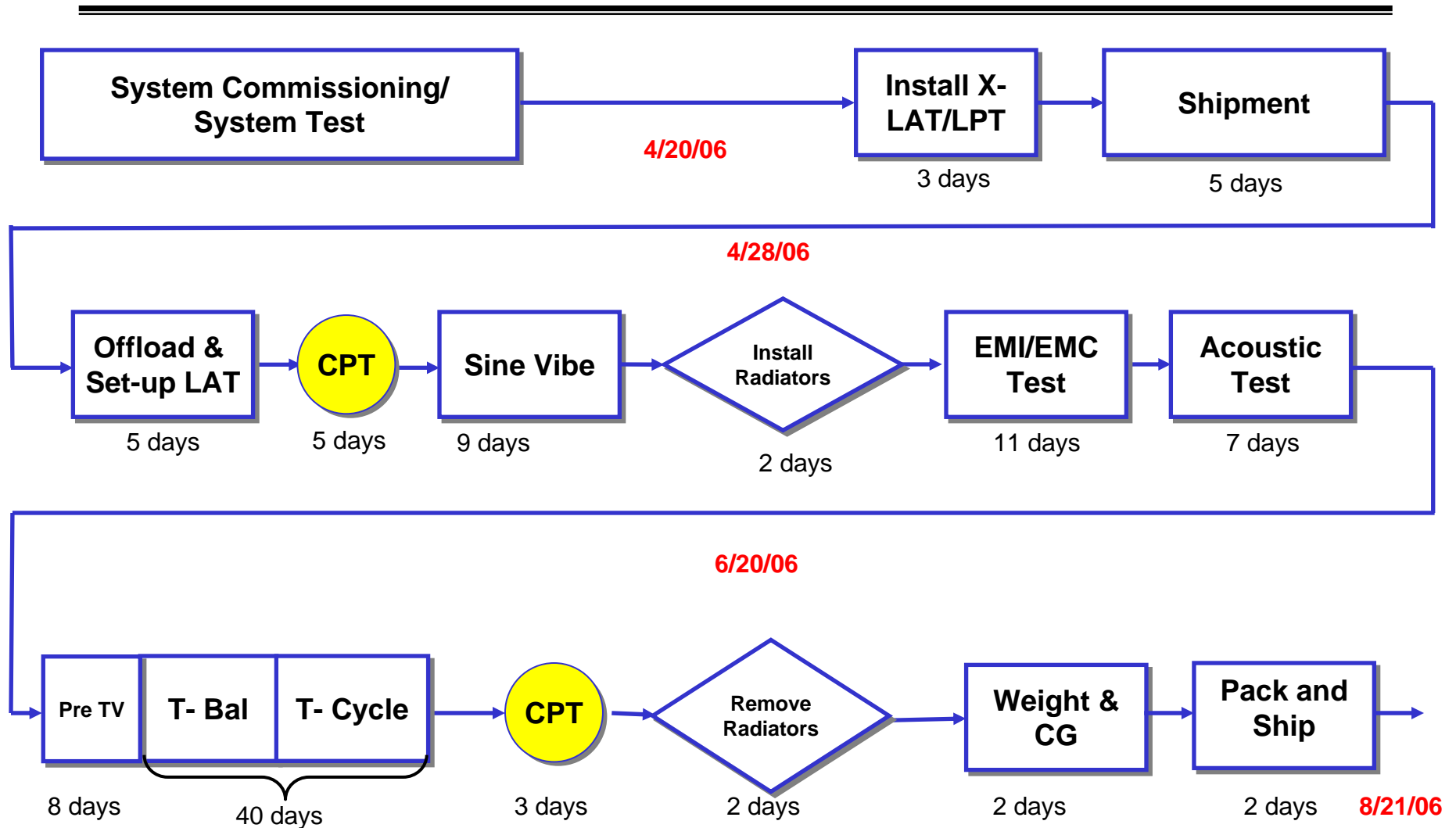
- 1 Executed before shipment to NRL
- 2 Executed before TVAC at NRL

**Color Codes:**

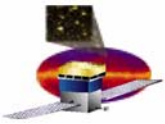
- Successful Run on LAT
- Dry Run on LAT
- Debug on LAT



# LAT Test Flow



NOTE: Durations for moving and setup have been incorporated into the total duration for the test. SIIS Verification will be worked in as appropriate.



# Agenda

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8:00 – 8:30am	Project Status	Lowell Klaisner
8:30 – 9:00am	LAT Commissioning Status	Eric Grove
9:00 – 9:15am	Rad 750 Inspect, DAQ Status	Gunther Haller
9:15 – 9:45am	I&T Status and Forward Schedule	Ken Fouts
	LICOS & Scripts Status	
9:45 – 10:15am	NCR & Verifications Status	Pat Hascall/Joe Cullinan
10:15 – 10:30am	Flight Software Status	Dick Horn
10:30 – 11:00am	Environmental Test Planning	Neil Johnson
11:00 – 11:30am	ISOC Status	Rob Cameron
11:30 – 11:45am	Beam Test Status	E. do Couto e Silva/B. Lott
		L. Latronico
11:45 – 12:00pm	EPO	Sarah Silva
1:00 – 4:40pm	FSW FQT TRR	Dick Horn, et. al.