

GLAST LAT Tracker Subsystem

TOWER ASSEMBLY and TEST FLOW CHART

Tower P/N:

LAT-DS-00722

Revision number:

3

Tower S/N:

10

Assembly supervisor

Emilio Rapposelli

Assembly operator 1

Francesco Bellardi

Assembly QA responsible

Aldo Troianiello

Assembly operator 2

Marco Ceccanti

**Tower
Assembly**

Tray Assembling

Top Tray (n° 18)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
T	018	1215

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/19/2005 2:55:17 PM	
Flag	
OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/19/2005 3:14:30 PM	

Mid Tray (n° 17)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	202	1165

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/19/2005 3:21:10 PM	
Flag <input type="checkbox"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
7/19/2005 3:21:11 PM	

Mid Tray (n° 16)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	181	1175

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/19/2005 3:42:14 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/19/2005 3:42:14 PM	

Mid Tray (n° 15)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="186"/>	<input type="text" value="1160"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/19/2005 4:11:55 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="7/19/2005 4:11:55 PM"/>	<input type="text"/>

Mid Tray (n° 14)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="150"/>	<input type="text" value="1195"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/19/2005 4:23:08 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="7/19/2005 4:23:08 PM"/>	<input type="text"/>

Mid Tray (n° 13)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="191"/>	<input type="text" value="1165"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/19/2005 4:41:58 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="7/19/2005 4:41:58 PM"/>	<input type="text"/>
<input type="text"/>	

Mid Tray (n° 12)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="195"/>	<input type="text" value="1180"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/19/2005 5:11:51 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="7/19/2005 5:11:52 PM"/>	<input type="text"/>
<input type="text"/>	

Mid Tray (n° 11)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	200	1160

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/19/2005 5:19:11 PM	
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
7/19/2005 5:19:13 PM	

Mid Tray (n° 10)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	196	1165

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/19/2005 5:29:36 PM	
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
7/19/2005 5:29:37 PM	

Mid Tray (n° 09)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="201"/>	<input type="text"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/19/2005 5:44:30 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="7/19/2005 5:50:36 PM"/>	<input type="text"/>

Mid Tray (n° 08)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="199"/>	<input type="text" value="1170"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/20/2005 10:14:09 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/20/2005 10:14:10 AM"/>	<input type="text"/>

Mid Tray (n° 07)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	171	1170

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/20/2005 10:21:31 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/20/2005 10:21:29 AM	

Heavy Tray (n° 06)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	048	2625

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/20/2005 10:34:15 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/20/2005 10:34:17 AM	

Heavy Tray (n° 05)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	052	2630

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/20/2005 10:45:22 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/20/2005 10:45:23 AM	

Heavy Tray (n° 04)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	055	2630

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/20/2005 11:00:23 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/20/2005 11:00:27 AM	

Heavy Tray (n° 03)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	056	2645

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/20/2005 11:09:52 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/20/2005 11:09:55 AM	

Light Tray (n° 02)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	041	940

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
7/20/2005 11:38:18 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
7/20/2005 11:38:19 AM	

Light Tray (n° 01)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="L"/>	<input type="text" value="043"/>	<input type="text" value="935"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/20/2005 12:34:22 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="7/20/2005 12:34:23 PM"/>	<input type="text"/>
<input type="text"/>	

Bottom Tray (n° 00)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="B"/>	<input type="text" value="014"/>	<input type="text" value="2130"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="7/20/2005 12:35:05 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="7/20/2005 12:35:06 PM"/>	<input type="text"/>
<input type="text"/>	

Cables +X (C0-C1)

C-0 <i>(-Y corner)</i> cable +XC0 sn: C0-P-007	VISUAL INSPECTION:
	Date (mm/dd/yyyy): 7/20/2005 11:34:46 AM Flag: OK Note: replaces Non-Flight cable C0-017
C-1 <i>(+Y corner)</i> cable +XC1 sn: C1-014	MOUNTING:
	Date (mm/dd/yyyy): 7/20/2005 11:34:54 AM Note:
	VISUAL INSPECTION:
	Date (mm/dd/yyyy): 7/26/2005 Flag: OK Note:
	MOUNTING:
	Date (mm/dd/yyyy): 7/26/2005 Note:

Cables +Y (C2-C3)

**C-2
(+X corner)**

cable +YC2 sn:

C2-014

VISUAL INSPECTION:

Date (mm/dd/yyyy): **Flag:** **Note:**

7/20/2005 11:34:56 AM

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MOUNTING:

Date (mm/dd/yy): **Note:**

7/20/2005 11:34:57 AM

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**C-3
(-X corner)**

cable +YC3 sn:

C3-P-006

VISUAL INSPECTION:

Date (mm/dd/yyyy): **Flag:** **Note:**

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MOUNTING:

Date (mm/dd/yyyy): **Note:**

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Cables -X (C4-C5)

**C-4
(-Y corner)**

cable -XC5 sn:

C4-019

VISUAL INSPECTION:

Date (mm/dd/yyyy): **Flag:** **Note:**

7/20/2005 11:35:02 AM OK

MOUNTING:

Date (mm/dd/yy): **Note:**

7/20/2005 11:35:04 AM

**C-5
(+Ycorner)**

cable -XC6 sn:

C5-017

VISUAL INSPECTION:

Date (mm/dd/yyyy): **Flag:** **Note:**

7/20/2005 11:35:03 AM OK

MOUNTING:

Date (mm/dd/yyyy): **Note:**

7/20/2005 11:35:05 AM

Cables -Y (C6-C7)

**C-6
(+X corner)**

YC6 sn:

C6-018

VISUAL INSPECTION:

Date (mm/dd/yyyy): **Flag:** **Note:**

7/26/2005

OK

MOUNTING:

Date (mm/dd/yy): **Note:**

7/26/2005

**C-7
(-X corner)**

YC7 sn:

C7-P-006

VISUAL INSPECTION:

Date (mm/dd/yyyy): **Flag:** **Note:**

7/20/2005 11:35:11 AM

OK

replace Non-Flight cable C7-004

MOUNTING:

Date (mm/dd/yyyy): **Note:**

7/20/2005 11:35:12 AM

1st FUNCTIONAL TEST CPT:		
Start Date (mm/dd/yy): 7/20/2005	Note: INFN/PI-gamma-53	Flag: OK
End Date (mm/dd/yy): 7/21/2005	Note:	

Sidewalls Assembling

**Sidewalls
+X**

serial nb:
012

VISUAL INSPECTION:	
Date (mm/dd/yyyy): 7/21/2005 10:44:42 AM	Note
Flag OK	

MOUNTING:	
Date (mm/dd/yy): 7/21/2005 10:44:44 A	Note

**Sidewalls
-X**

serial nb:
012

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
9/21/2005 10:44:56 AM	
Flag	OK

MOUNTING:	
Date (mm/dd/yyyy):	Note
9/21/2005 10:44:57 AM	

**Sidewalls
+Y**

serial nb:
012

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
9/21/2005 11:45:20 AM	
Flag	OK

MOUNTING:	
Date (mm/dd/yyyy):	Note
9/21/2005 12:35:22 PM	

**Sidewalls
-Y**

serial nb:
012

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
9/21/2005 11:45:08 AM	
Flag	Warning

MOUNTING:	
Date (mm/dd/yyyy):	Note
9/21/2005 11:45:09 AM	

ALIGNMENT:	
Date (mm/dd/yyyy):	Note:
7/21/2005	
Flag: <input type="checkbox"/>	

BASE PLATE ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
7/21/2005	
Flag: <input type="checkbox"/>	

2nd FUNCTIONAL TEST :	
Start Date (mm/dd/yy):	Note:
7/22/2005	INFN/PI-gamma-53
	Flag: <input type="checkbox"/>
	OK
End Date (mm/dd/yy):	Note:
7/22/2005	

TOWER Turn Over :	
Date (mm/dd/yyyy):	Note:
7/22/2005	
Flag: <input type="checkbox"/>	
	OK

BRACKET ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
7/25/2005	
Flag: <input type="checkbox"/> OK	

SHIPPING TO ALENIA:	
Date (mm/dd/yyyy):	Note:
7/27/2005	
Flag: <input type="checkbox"/> OK	

THERMO-VACUUM:	
Date (mm/dd/yyyy):	Note:
7/28/2005	end on 8/4/2005
Flag: <input type="checkbox"/> OK	

**Test
@ALENIA**

VIBRATIONAL:	
Date (mm/dd/yyyy):	Note:
9/6/2005	
Flag: <input type="checkbox"/> OK	

SHIPPING TO INFN/PISA:	
Date (mm/dd/yyyy):	Note:
9/9/2005	sent for cable C3 installation, C0, C7 non-flight replacement, EMI
Flag: <input type="checkbox"/> OK	

Verify	TOWER BOX VISUAL INSPECTION: Date (mm/dd/yyyy): 9/12/2005 Flag: <input type="text" value="OK"/>	Note:
	MEASUREMENT CMM: Date (mm/dd/yyyy): 9/14/2005 Flag: <input type="text" value="OK"/>	Note:
	FUNCTIONAL TEST: Date (mm/dd/yyyy): 9/13/2005 Flag: <input type="text" value="OK"/>	Note: INFN/PI-gamma-73
	PACKAGING: Date (mm/dd/yyyy): 9/15/2005 Flag: <input type="text" value="OK"/>	Note:
	SHIPPING TO SLAC: Date (mm/dd/yyyy): 9/16/2005 Flag: <input type="text" value="OK"/>	Note: