

GLAST LAT Tracker Subsystem

TOWER ASSEMBLY and TEST FLOW CHART

Tower P/N:

LAT-DS-00722

Revision number:

3

Tower S/N:

16

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	023	1230

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
10/25/2005 10:40:29 AM	
Flag	
OK	

MOUNTING:	
Date (mm/dd/yy):	Note
10/25/2005 10:40:30 AM	

Mid Tray (n° 17)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	10	1155

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
10/25/2005 10:53:03 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
10/25/2005 10:53:04 AM	

Mid Tray (n° 16)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	012	1185

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
10/25/2005 11:09:04 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
10/25/2005 11:09:05 AM	

Mid Tray (n° 15)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="011"/>	<input type="text" value="1180"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 11:13:39 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 11:13:40 AM"/>	<input type="text"/>
<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="008"/>	<input type="text" value="1180"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 11:30:27 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 11:30:28 AM"/>	<input type="text"/>
<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="184"/>	<input type="text" value="1165"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 11:39:01 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 11:39:02 AM"/>	<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="122"/>	<input type="text" value="1185"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 11:49:14 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 11:49:15 AM"/>	<input type="text"/>
<input type="text"/>	

Mid Tray (n° 11)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="173"/>	<input type="text" value="1190"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 12:00:03 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 12:00:04 PM"/>	<input type="text"/>

Mid Tray (n° 10)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="063"/>	<input type="text" value="1155"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 12:12:44 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 12:12:45 PM"/>	<input type="text"/>

Mid Tray (n° 09)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="148"/>	<input type="text" value="1170"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 12:17:00 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 12:17:02 PM"/>	<input type="text"/>
<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="046"/>	<input type="text" value="1180"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 3:14:17 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 3:14:17 PM"/>	<input type="text"/>
<input type="text"/>	

Mid Tray (n° 07)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="007"/>	<input type="text" value="1135"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 3:20:07 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 3:20:06 PM"/>	<input type="text"/>

Heavy Tray (n° 06)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="H"/>	<input type="text" value="067"/>	<input type="text" value="2620"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 3:20:22 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 3:20:22 PM"/>	<input type="text"/>

Heavy Tray (n° 05)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	069	2615

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
10/25/2005 3:49:01 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
10/25/2005 3:49:01 PM	

Heavy Tray (n° 04)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	079	2635

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
10/25/2005 3:53:21 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
10/25/2005 3:53:24 PM	

Heavy Tray (n° 03)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="H"/>	<input type="text" value="081"/>	<input type="text" value="2640"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 3:53:28 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 3:53:29 PM"/>	<input type="text"/>
<input type="text"/>	

Light Tray (n° 02)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="L"/>	<input type="text" value="015"/>	<input type="text" value="925"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="10/25/2005 3:53:54 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="10/25/2005 3:53:56 PM"/>	<input type="text"/>
<input type="text"/>	

Light Tray (n° 01)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	501	930

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
10/25/2005 4:03:02 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
10/25/2005 4:03:03 PM	

Bottom Tray (n° 00)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
B	017	2130

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
10/25/2005 4:30:07 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
10/25/2005 4:30:08 PM	

Cables +X (C0-C1)

C-0 <i>(-Y corner)</i> cable +XC0 sn: C0-023	VISUAL INSPECTION: Date (mm/dd/yyyy): <input type="text" value="10/25/2005 4:36:21 PM"/> Flag: <input type="text" value="OK"/> Note: <input type="text" value="NON-FLIGHT"/>
	MOUNTING: Date (mm/dd/yy): <input type="text" value="10/25/2005 4:36:22 PM"/> Note: <input type="text"/>
C-1 <i>(+Y corner)</i> cable +XC1 sn: C1-P-006	VISUAL INSPECTION: Date (mm/dd/yyyy): <input type="text" value="10/25/2005 4:36:25 PM"/> Flag: <input type="text" value="OK"/> Note: <input type="text"/>
	MOUNTING: Date (mm/dd/yyyy): <input type="text" value="10/25/2005 4:36:26 PM"/> Note: <input type="text"/>

Cables +Y (C2-C3)

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

cable +YC2 sn:

C2-019

VISUAL INSPECTION:

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

10/25/2005 4:36:51 PM

OK

MOUNTING:

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

10/25/2005 4:36:52 PM

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

cable +YC3 sn:

C3-014

VISUAL INSPECTION:

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

10/25/2005 4:36:58 PM

OK

MOUNTING:

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

10/25/2005 4:36:59 PM

Cables -X (C4-C5)

**C-4
(-Y corner)**
cable -XC5 sn:
C4-P-001

VISUAL INSPECTION:		
Date (mm/dd/yyyy):	Flag:	Note:
10/25/2005 4:36:31 PM	OK	

MOUNTING:	
Date (mm/dd/yy):	Note:
10/25/2005 4:36:32 PM	

**C-5
(+Ycorner)**
cable -XC6 sn:
C5-P-006

VISUAL INSPECTION:		
Date (mm/dd/yyyy):	Flag:	Note:
10/25/2005 4:36:35 PM	OK	

MOUNTING:	
Date (mm/dd/yyyy):	Note:
10/25/2005 4:36:36 PM	

Cables -Y (C6-C7)

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

cable -YC6 sn:

C6-008

VISUAL INSPECTION:

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

10/25/2005 5:36:36 PM NON-FLIGHT

MOUNTING:

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

10/25/2005 5:36:36 PM

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

cable -YC7 sn:

C7-009

VISUAL INSPECTION:

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

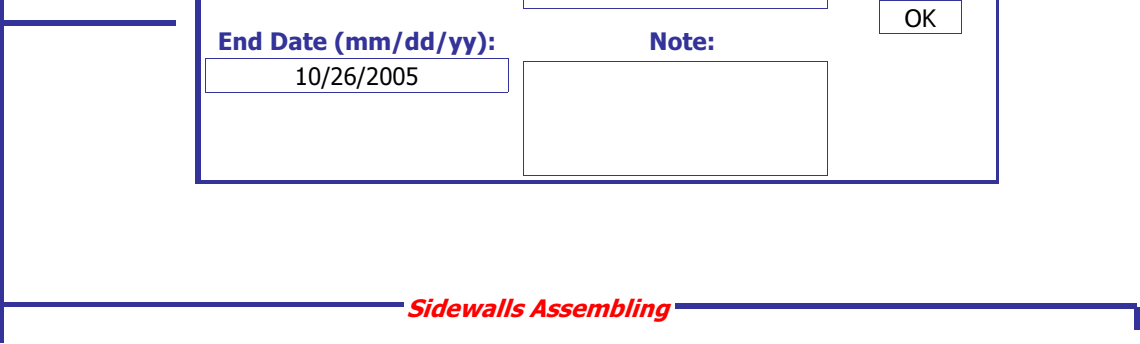
10/25/2005 4:56:36 PM

MOUNTING:

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

10/25/2005 4:56:36 PM NON-FLIGHT

1st FUNCTIONAL TEST CPT:		
Start Date (mm/dd/yy): 10/26/2005	Note: INFN/PI-gamma-85	Flag: OK
End Date (mm/dd/yy): 10/26/2005	Note:	



**Sidewalls
+X**
serial nb:
020

VISUAL INSPECTION:	
Date (mm/dd/yyyy): 10/26/2005 4:50:41 PM	Note
Flag OK	

MOUNTING:	
Date (mm/dd/yy): 10/26/2005 4:50:38 PM	Note

**Sidewalls
-X**

serial nb:
020

VISUAL INSPECTION:	
Date (mm/dd/yyyy): 0/26/2005 4:50:45 PM	Note
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy): 0/26/2005 4:50:46 P	Note

**Sidewalls
+Y**

serial nb:
020

VISUAL INSPECTION:	
Date (mm/dd/yyyy): 0/26/2005 4:50:47 PM	Note
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy): 0/26/2005 4:50:48 P	Note

**Sidewalls
-Y**

serial nb:
020

VISUAL INSPECTION:	
Date (mm/dd/yyyy): 0/26/2005 4:50:32 PM	Note
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy): 0/26/2005 4:50:30 P	Note

ALIGNMENT:	
Date (mm/dd/yyyy):	Note:
10/26/2005	
Flag: <input type="text" value="OK"/>	

BASE PLATE ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
10/26/2005	
Flag: <input type="text" value="OK"/>	

2nd FUNCTIONAL TEST :	
Start Date (mm/dd/yy):	Note:
	skipped
	Flag: <input type="text"/>
End Date (mm/dd/yy):	Note:

TOWER Turn Over :	
Date (mm/dd/yyyy):	Note:
10/27/2005	
Flag: <input type="text" value="OK"/>	

BRACKET ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
10/27/2005	
Flag: <input type="text" value="OK"/>	

SHIPPING TO ALENIA:	
Date (mm/dd/yyyy):	Note:
	NA
Flag: <input type="text"/>	

THERMO-VACUUM:	
Date (mm/dd/yyyy):	Note:
	Not performed
Flag: <input type="text"/>	

VIBRATIONAL:	
Date (mm/dd/yyyy):	Note:
	Not performed
Flag: <input type="text"/>	

SHIPPING TO INFN/PISA:	
Date (mm/dd/yyyy):	Note:
	Not performed
Flag: <input type="text"/>	

Test @ALENIA

Verify	TOWER BOX VISUAL INSPECTION: Date (mm/dd/yyyy): <input type="text"/> Note: <input style="width: 200px; height: 40px;" type="text"/> Flag: <input type="text"/>
	MEASUREMENT CMM: Date (mm/dd/yyyy): <input type="text"/> Note: <input style="width: 200px; height: 40px;" type="text"/> Flag: <input type="text"/>
	FUNCTIONAL TEST: Date (mm/dd/yyyy): <input type="text"/> Note: <input style="width: 200px; height: 40px;" type="text"/> Flag: <input type="text"/>
	PACKAGING: Date (mm/dd/yyyy): <input type="text" value="10/28/2004"/> Note: <input style="width: 200px; height: 40px;" type="text"/> Flag: <input type="text" value="OK"/>
	SHIPPING TO SLAC: Date (mm/dd/yyyy): <input type="text" value="11/2/2005"/> Note: <input style="width: 200px; height: 40px;" type="text"/> Flag: <input type="text" value="OK"/>