

GLAST LAT Tracker Subsystem

TOWER ASSEMBLY and TEST FLOW CHART

Tower P/N:

LAT-DS-00722

Revision number:

3

Tower S/N:

12

Assembly supervisor

Emilio Rapposelli

Assembly operator 1

Francesco Bellardi

Assembly QA responsible

Aldo Troianiello

Assembly operator 2

Massimo Minuti

**Tower
Assembly**

Tray Assembling

Top Tray (n° 18)

IDENTIFICATION:

tray type:

T

tray S/N:

017

tray weight (gr):

VISUAL INSPECTION:

Date (mm/dd/yyyy):

8/8/2005 10:59:07 AM

Note

Flag

MOUNTING:

Date (mm/dd/yy):

8/8/2005 10:59:08 AM

Note

Mid Tray (n° 17)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	213	1200

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/8/2005 11:37:58 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
8/8/2005 11:37:59 AM	

Mid Tray (n° 16)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	230	1180

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/8/2005 12:01:45 PM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
8/8/2005 12:01:46 PM	

Mid Tray (n° 15)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="216"/>	<input type="text" value="1185"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="8/8/2005 12:03:06 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="8/8/2005 12:03:06 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="218"/>	<input type="text" value="1190"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="8/8/2005 2:54:41 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="8/8/2005 2:54:42 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="137"/>	<input type="text" value="1185"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="8/8/2005 3:34:37 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="8/8/2005 3:34:56 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="209"/>	<input type="text" value="1175"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="8/8/2005 3:55:06 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="8/8/2005 3:55:08 PM"/>	<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="204"/>	<input type="text" value="1190"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="8/8/2005 4:06:10 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="8/8/2005 4:06:13 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="205"/>	<input type="text" value="1175"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="8/8/2005 4:12:02 PM"/>	<input type="text"/>
Flag <input type="text"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="8/8/2005 4:12:02 PM"/>	<input type="text"/>

Mid Tray (n° 09)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	206	1175

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/8/2005 4:20:21 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/8/2005 4:20:22 PM	

Mid Tray (n° 08)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	215	1190

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/8/2005 4:42:10 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/8/2005 4:42:11 PM	

Mid Tray (n° 07)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	207	1175

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/8/2005 4:59:55 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/8/2005 4:59:54 PM	

Heavy Tray (n° 06)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	044	2630

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/8/2005 5:58:39 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/8/2005 5:58:40 PM	

Heavy Tray (n° 05)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	066	2625

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/8/2005 5:59:34 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/8/2005 5:59:35 PM	

Heavy Tray (n° 04)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	047	2635

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/9/2005 9:51:48 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/9/2005 9:51:51 AM	

Heavy Tray (n° 03)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	064	2640

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/9/2005 10:26:23 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/9/2005 10:26:23 AM	

Light Tray (n° 02)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	031	940

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/9/2005 10:29:39 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/9/2005 10:29:40 AM	

Light Tray (n° 01)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	030	935

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/9/2005 11:00:56 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/9/2005 11:00:57 AM	

Bottom Tray (n° 00)

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

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
8/9/2005 11:14:36 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
8/9/2005 11:14:38 AM	

Cables +X (C0-C1)

C-0
(-Y corner)

cable +XC0 sn:

C0-P-002

C-1
(+Y corner)

cable +XC1 sn:

C1-P-002

VISUAL INSPECTION:

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

8/22/2005 11:37:01 AM

MOUNTING:

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

8/22/2005 11:37:02 AM

VISUAL INSPECTION:

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

8/24/2005 10:13:15 AM

MOUNTING:

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

8/24/2005 10:13:16 AM after sidewall removal

Cables +Y (C2-C3)

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

cable +YC2 sn:

C2-P-002

VISUAL INSPECTION:

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

8/25/2005 10:17:07 AM OK

MOUNTING:

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

8/25/2005 10:21:31 AM after sidewall removal

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

cable +YC3 sn:

C3-P-003

VISUAL INSPECTION:

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

8/25/2005 10:17:08 AM OK

MOUNTING:

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

8/25/2005 11:21:37 AM after sidewall removal

Cables -X (C4-C5)

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

cable -XC5 sn:

C4-021

VISUAL INSPECTION:

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

8/9/2005 11:39:06 AM OK

MOUNTING:

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

8/9/2005 11:39:09 AM after sidewall removal

**C-5
(+Ycorner)**

cable -XC6 sn:

C5-P-003

VISUAL INSPECTION:

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

9/20/2005 OK

MOUNTING:

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

9/20/2005 after env. Tests

Cables -Y (C6-C7)

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

YC6 sn:

C6-P-003

VISUAL INSPECTION:

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

8/22/2005 11:35:02 AM

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MOUNTING:

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

8/22/2005 11:35:03 AM after sidewall removal

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

YC7 sn:

C7-P-003

VISUAL INSPECTION:

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

8/22/2005 11:35:55 AM

--

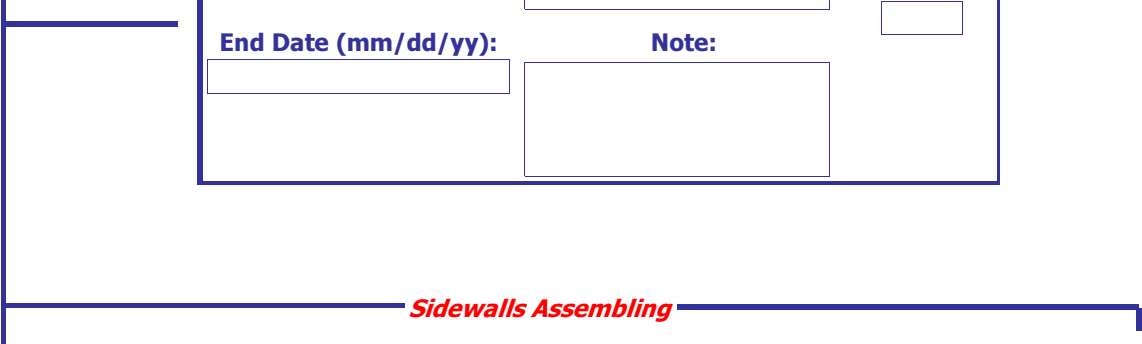
MOUNTING:

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

8/22/2005 11:35:56 AM after sidewall removal

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1st FUNCTIONAL TEST CPT:		
Start Date (mm/dd/yy): <input type="text"/>	Note: skipped	Flag: <input type="checkbox"/>
End Date (mm/dd/yy): <input type="text"/>	Note: <input type="text"/>	



*Sidewalls
+X*

serial nb:

VISUAL INSPECTION:	
Date (mm/dd/yyyy): 8/9/2005 10:40:54 AM	Note <input type="text"/>
Flag <input type="checkbox"/>	

MOUNTING:	
Date (mm/dd/yy): /9/2005 10:41:09 AM	Note <input type="text"/>

**Sidewalls
-X**

serial nb:
015

VISUAL INSPECTION:

Date (mm/dd/yyyy):
8/9/2005 10:41:14 AM

Note

Flag OK

MOUNTING:

Date (mm/dd/yyyy):
8/9/2005 10:41:15 AM

Note

**Sidewalls
+Y**

serial nb:
015

VISUAL INSPECTION:

Date (mm/dd/yyyy):
8/9/2005 10:41:16 AM

Note

Flag OK

MOUNTING:

Date (mm/dd/yyyy):
8/9/2005 10:41:17 AM

Note

**Sidewalls
-Y**

serial nb:
015

VISUAL INSPECTION:

Date (mm/dd/yyyy):
8/9/2005 10:41:19 AM

Note

Flag OK

MOUNTING:

Date (mm/dd/yyyy):
8/9/2005

Note

ALIGNMENT:	
Date (mm/dd/yyyy):	Note:
9/10/2005	
Flag: <input type="text" value="OK"/>	

BASE PLATE ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
9/10/2005	
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:
8/12/2005	
Flag: <input type="text" value="OK"/>	

BRACKET ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
8/16/2005	
Flag: <input type="checkbox"/> OK	

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

THERMO-VACUUM:	
Date (mm/dd/yyyy):	Note:
9/12/2005	ended 9/15/2005. performed with missing cable C5 (see NCR575)
Flag: <input type="checkbox"/> OK	

**Test
@ALENIA**

VIBRATIONAL:	
Date (mm/dd/yyyy):	Note:
9/1/2005	
Flag: <input type="checkbox"/> OK	

SHIPPING TO INFN/PISA:	
Date (mm/dd/yyyy):	Note:
9/15/2005	shipped for flight cable C5 installation
Flag: <input type="checkbox"/> OK	

Verify	TOWER BOX VISUAL INSPECTION: Date (mm/dd/yyyy): 9/19/2005 Flag: <input type="text" value="OK"/>	Note:
	MEASUREMENT CMM: Date (mm/dd/yyyy): 9/21/2005 Flag: <input type="text" value="OK"/>	Note:
	FUNCTIONAL TEST: Date (mm/dd/yyyy): 9/20/2005 Flag: <input type="text" value="OK"/>	Note: INFN/PI-gamma-77
	PACKAGING: Date (mm/dd/yyyy): 9/21/2005 Flag: <input type="text" value="OK"/>	Note:
	SHIPPING TO SLAC: Date (mm/dd/yyyy): 9/22/2005 Flag: <input type="text" value="OK"/>	Note: