

GLAST LAT Tracker Subsystem

TOWER ASSEMBLY and TEST FLOW CHART

Tower P/N:

LAT-DS-00722

Revision number:

0

Tower S/N:

B

Assembly supervisor

Emilio Rapposelli

Assembly operator 1

Nicola Saggini

Assembly QA responsible

Aldo Troianiello

Assembly operator 2

Francesco Bellardi

**Tower
Assembly**

Tray Assembling

Top Tray (n° 18)

IDENTIFICATION:

tray type:

T

tray S/N:

004

tray weight (gr):

1195

VISUAL INSPECTION:

Date (mm/dd/yyyy):

1/3/2005 12:30:35 PM

Note

Top Tray top closeout not painted

Flag

OK

MOUNTING:

Date (mm/dd/yy):

1/3/2005 12:31:18 PM

Note

Mid Tray (n° 17)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	065	1155

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
1/3/2005 3:28:48 PM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
1/3/2005 3:28:53 PM	

Mid Tray (n° 16)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	078	1155

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
1/3/2005 4:11:52 PM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
1/3/2005 4:11:55 PM	

Mid Tray (n° 15)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="035"/>	<input type="text" value="1175"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/3/2005 4:48:29 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/3/2005 4:48:32 PM"/>	<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="071"/>	<input type="text" value="1160"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/3/2005 5:02:50 PM"/>	<input type="text" value="No ground wire"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/3/2005 5:02:58 PM"/>	<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="032"/>	<input type="text" value="1165"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/3/2005 5:39:26 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/3/2005 5:39:29 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="043"/>	<input type="text" value="1165"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/3/2005 5:50:31 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/3/2005 5:50:34 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="025"/>	<input type="text" value="1165"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/3/2005 6:11:21 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/3/2005 6:11:25 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="051"/>	<input type="text" value="1155"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/3/2005 6:33:58 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/3/2005 6:34:00 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="044"/>	<input type="text" value="1160"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/3/2005 6:43:22 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/3/2005 6:43:25 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="031"/>	<input type="text" value="1165"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/4/2005 10:30:04 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/4/2005 10:30:06 AM"/>	<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="023"/>	<input type="text" value="1175"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/4/2005 10:55:57 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/4/2005 10:55:55 AM"/>	<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="036"/>	<input type="text" value="2625"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/4/2005 12:02:12 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/4/2005 12:02:15 PM"/>	<input type="text"/>

Heavy Tray (n° 05)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	037	2645

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
1/4/2005 11:34:47 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
1/4/2005 11:34:49 AM	

Heavy Tray (n° 04)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	018	2645

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
1/4/2005 12:25:58 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
1/4/2005 12:25:59 PM	

Heavy Tray (n° 03)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="H"/>	<input type="text" value="005"/>	<input type="text" value="2615"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/4/2005 4:39:57 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/4/2005 4:39:59 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="017"/>	<input type="text" value="930"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/4/2005 4:49:21 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/4/2005 4:49:23 PM"/>	<input type="text"/>
<input type="text"/>	

Light Tray (n° 01)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="L"/>	<input type="text" value="004"/>	<input type="text" value="920"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/4/2005 4:52:15 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/4/2005 4:52:18 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="006"/>	<input type="text" value="2100"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/4/2005 4:54:16 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/4/2005 4:54:19 PM"/>	<input type="text"/>
<input type="text"/>	

Cables +X (C0-C1)

C-0 <i>(-Y corner)</i> cable +XC0 sn: 0019	VISUAL INSPECTION:
	Date (mm/dd/yyyy): <input type="text" value="7/1/2004"/> Flag: <input type="text" value="OK"/> Note: <input type="text"/>
C-1 <i>(+Y corner)</i> cable +XC1 sn: 0051	MOUNTING:
	Date (mm/dd/yy): <input type="text" value="7/1/2004"/> Note: <input type="text"/>
	VISUAL INSPECTION:
	Date (mm/dd/yyyy): <input type="text" value="4/1/2004"/> Flag: <input type="text" value="OK"/> Note: <input type="text"/>
	MOUNTING:
	Date (mm/dd/yyyy): <input type="text" value="4/1/2004"/> Note: <input type="text"/>

Cables +Y (C2-C3)

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

cable +YC2 sn:

0014

VISUAL INSPECTION:

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

7/1/2004 OK

MOUNTING:

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

7/1/2004

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

cable +YC3 sn:

0017

VISUAL INSPECTION:

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

5/1/2004 OK

MOUNTING:

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

5/1/2004 Done after disposition NCR

Cables -X (C4-C5)

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

cable -XC5 sn:

0045

VISUAL INSPECTION:

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

4/1/2004		
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MOUNTING:

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

4/1/2004	
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**C-5
(+Ycorner)**

cable -XC6 sn:

0024

VISUAL INSPECTION:

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

7/1/2004	OK	
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MOUNTING:

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

7/1/2004	
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Cables -Y (C6-C7)

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

cable -YC6 sn:

0052

VISUAL INSPECTION:		
Date (mm/dd/yyyy):	Flag:	Note:
7/1/2004	OK	

MOUNTING:	
Date (mm/dd/yy):	Note:
7/1/2004	Kapton tape on terminal resistors

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

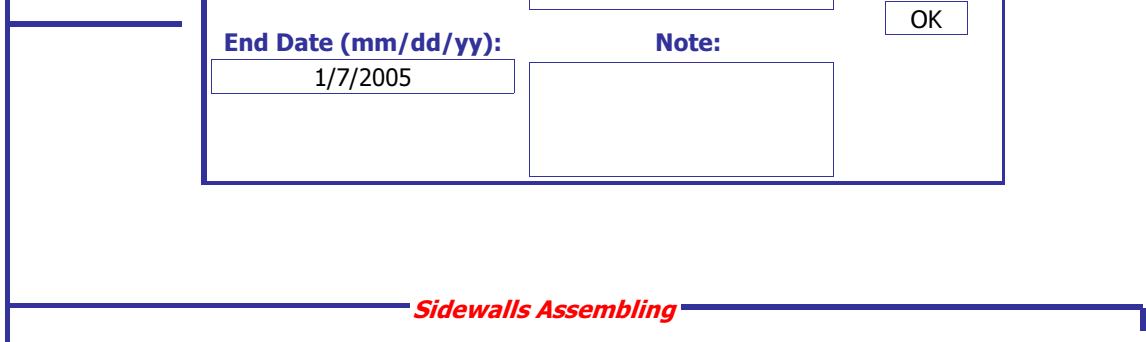
cable -YC7 sn:

0108

VISUAL INSPECTION:		
Date (mm/dd/yyyy):	Flag:	Note:
4/1/2004	OK	

MOUNTING:	
Date (mm/dd/yyyy):	Note:
4/1/2004	Kapton tape on terminal resistors

1st FUNCTIONAL TEST CPT:		
Start Date (mm/dd/yy):	Note:	
<input type="text" value="1/4/2005"/>	<input type="text" value="INFN-PI-gamma-18"/>	
		Flag:
		<input type="text" value="OK"/>
End Date (mm/dd/yy):	Note:	
<input type="text" value="1/7/2005"/>	<input type="text"/>	



**Sidewalls
+X**
serial nb:

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/12/2004"/>	<input type="text"/>
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/12/2004"/>	<input type="text" value="No S/N and P/N appear on sidewall"/>

**Sidewalls
+X**
serial nb:

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/7/2004"/>	<input type="text"/>
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/7/2004"/>	<input type="text"/>

**Sidewalls
-X**

serial nb:

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/12/2004"/>	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/12/2004"/>	No S/N and P/N appear on sidewall

**Sidewalls
-X**

serial nb:

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="1/7/2004"/>	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="1/7/2004"/>	

**Sidewalls
+Y**

serial nb:

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/12/2004"/>	
Flag <input type="text"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/12/2004"/>	No S/N and P/N appear on sidewall

**Sidewalls
+Y**

serial nb:
002

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
1/7/2004	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
1/7/2004	

**Sidewalls
-Y**

serial nb:

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
2/12/2004	No S/N and P/N appear on sidewall
Flag <input type="checkbox"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
2/2/2004 4:34:40 PM	sidewalls with conter sink too deep

**Sidewalls
-Y**

serial nb:
002

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
1/7/2004	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
1/7/2004	

ALIGNMENT:	
Date (mm/dd/yyyy):	Note:
1/10/2005	Good
Flag: <input type="text" value="OK"/>	

BASE PLATE ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
1/10/2005	S/N 005
Flag: <input type="text" value="OK"/>	

2nd FUNCTIONAL TEST :		
Start Date (mm/dd/yy):	Note:	Flag: <input type="text" value="OK"/>
1/8/2005	Done before Alignment to save schedule	
End Date (mm/dd/yy):	Note:	
1/8/2005	INFN-PI-gamma-20	

TOWER Turn Over :	
Date (mm/dd/yyyy):	Note:
11/1/2005	
Flag: <input type="text" value="OK"/>	

BRACKET ASSEMBLING:	
Date (mm/dd/yyyy): 1/11/2005	Note:
Flag: <input type="checkbox"/> OK	

SHIPPING TO ALENIA:	
Date (mm/dd/yyyy): 1/14/2005	Note: weighted in Alenia with ISC 75.8 Kg (ISC weight 38.8)
Flag: <input type="checkbox"/> OK	

THERMO-VACUUM:	
Date (mm/dd/yyyy): 1/31/2005	Note: Stopped Feb 5th 2005
Flag: <input type="checkbox"/> OK	

Test @ALENIA

VIBRATIONAL:	
Date (mm/dd/yyyy): 1/17/2005	Note: Stopped Jan 19th 2005
Flag: <input type="checkbox"/> OK	

SHIPPING TO INFN/PISA:	
Date (mm/dd/yyyy): 2/7/2005	Note:
Flag: <input type="checkbox"/> OK	

Verify	TOWER BOX VISUAL INSPECTION: Date (mm/dd/yyyy): 8/2/2005 Note: Flag: <input type="text" value="OK"/>
	MEASUREMENT CMM: Date (mm/dd/yyyy): 8/2/2005 Note: Good Flag: <input type="text" value="OK"/>
	FUNCTIONAL TEST: Date (mm/dd/yyyy): 8/2/2005 Note: INFN-PI-gamma-22 (TE101 only - CPT not performed, see NCR/FM/INFN/PI-383) Flag: <input type="text" value="OK"/>
	PACKAGING: Date (mm/dd/yyyy): 9/2/2005 Note: Flag: <input type="text" value="OK"/>
	SHIPPING TO SLAC: Date (mm/dd/yyyy): 10/2/2005 Note: Flag: <input type="text"/>