

GLAST LAT Tracker Subsystem

TOWER ASSEMBLY and TEST FLOW CHART

Tower P/N:

LAT-DS-00722

Revision number:

3

Tower S/N:

2

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	010	1220

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
2/28/2005 10:37:36 AM	
Flag	
OK	

MOUNTING:	
Date (mm/dd/yy):	Note
2/28/2005 10:37:39 AM	

Mid Tray (n° 17)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	094	1135

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
2/28/2005 11:09:15 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
2/28/2005 11:09:19 AM	

Mid Tray (n° 16)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	020	1180

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
2/28/2005 11:26:10 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
2/28/2005 11:26:22 AM	

Mid Tray (n° 15)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="089"/>	<input type="text" value="1170"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 11:46:25 AM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 11:46:28 AM"/>	<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="018"/>	<input type="text" value="1160"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 12:00:03 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 12:00:05 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="096"/>	<input type="text" value="1175"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 3:01:21 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 3:01:25 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="097"/>	<input type="text" value="1135"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 3:24:48 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 3:24:48 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="040"/>	<input type="text" value="1150"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 3:40:10 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 3:40:11 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="021"/>	<input type="text" value="1150"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 3:54:22 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 3:54:23 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="113"/>	<input type="text" value="1180"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 4:07:45 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 4:07:50 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="038"/>	<input type="text" value="1180"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 4:24:33 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 4:24:34 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="088"/>	<input type="text" value="1135"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 4:39:01 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 4:38:58 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="001"/>	<input type="text" value="2655"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="2/28/2005 5:14:31 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/28/2005 5:14:35 PM"/>	<input type="text"/>

Heavy Tray (n° 05)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	032	2640

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
3/1/2005 10:06:03 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
3/1/2005 10:06:20 AM	

Heavy Tray (n° 04)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	033	2640

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
3/1/2005 10:19:36 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
3/1/2005 10:19:41 AM	

Heavy Tray (n° 03)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	042	2660

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
3/1/2005 10:29:23 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
3/1/2005 10:29:24 AM	

Light Tray (n° 02)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	002	925

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
3/1/2005 10:44:43 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
3/1/2005 10:44:45 AM	

Light Tray (n° 01)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	005	910

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
3/1/2005 11:10:15 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
3/1/2005 11:10:19 AM	

Bottom Tray (n° 00)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
B	007	2120

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
3/1/2005 11:18:57 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
3/1/2005 11:19:00 AM	

Cables +X (C0-C1)

C-0 <i>(-Y corner)</i> cable +XC0 sn: C0-020	VISUAL INSPECTION:
	Date (mm/dd/yyyy): <input type="text" value="1/3/2005"/> Flag: <input type="text" value="OK"/> Note: <input type="text" value="bending not enough deep"/>
C-1 <i>(+Y corner)</i> cable +XC1 sn: C1-007	MOUNTING:
	Date (mm/dd/yy): <input type="text" value="1/3/2005"/> Note: <input type="text" value="SN0087 DATE0501 WEIGHT 80g"/>
	VISUAL INSPECTION:
	Date (mm/dd/yyyy): <input type="text" value="1/3/2005"/> Flag: <input type="text" value="OK"/> Note: <input type="text"/>
	MOUNTING:
	Date (mm/dd/yyyy): <input type="text" value="1/3/2005"/> Note: <input type="text" value="SN0055 DATE0431 WEIGHT 75g"/>

Cables +Y (C2-C3)

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

cable +YC2 sn:

C2-009

VISUAL INSPECTION:

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

1/3/2005 OK

MOUNTING:

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

1/3/2005 SN0046 DATE0444 WEIGHT 85g

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

cable +YC3 sn:

C3-001

VISUAL INSPECTION:

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

4/3/2005 OK

pin 18 on J9 found broken on C3-008 (see NCR/INFN/PI-416)

MOUNTING:

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

4/3/2005 SN0042 DATE0447 WEIGHT 85g on C3-001

Cables -X (C4-C5)

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

cable -XC5 sn:

C4-006

VISUAL INSPECTION:

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

1/3/2005 OK

MOUNTING:

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

1/3/2005 SN0046 DATE0444 WEIGHT 85g

**C-5
(+Ycorner)**

cable -XC6 sn:

C5-009

VISUAL INSPECTION:

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

1/3/2005 OK

Cable out of shape near the top tray

MOUNTING:

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

1/3/2005 SN0048 DATE0446 WEIGHT 90g

Cables -Y (C6-C7)

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

YC6 sn:

C6-005

VISUAL INSPECTION:		
Date (mm/dd/yyyy):	Flag:	Note:
1/3/2005	OK	

MOUNTING:	
Date (mm/dd/yy):	Note:
1/3/2005	SN 0051 DATE0433 WEIGHT 75g

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

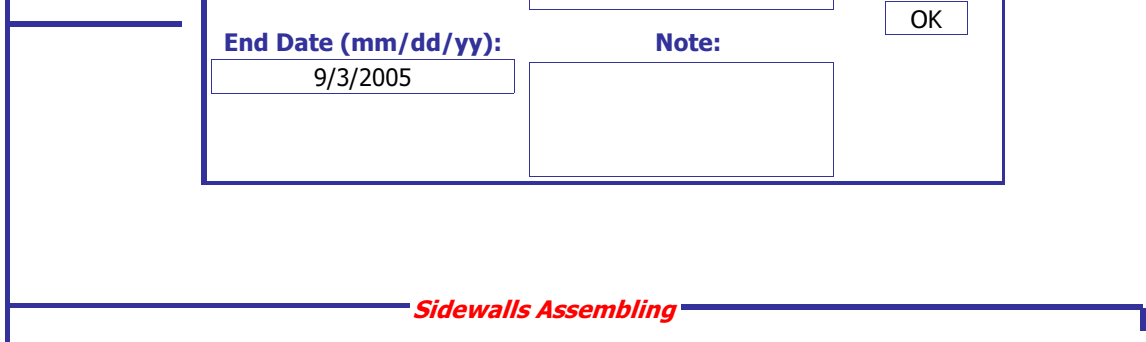
YC7 sn:

C7-006

VISUAL INSPECTION:		
Date (mm/dd/yyyy):	Flag:	Note:
1/3/2005	OK	

MOUNTING:	
Date (mm/dd/yyyy):	Note:
1/3/2005	WEIGHT 75g

1st FUNCTIONAL TEST CPT:	
Start Date (mm/dd/yy): 7/3/2005	Note: INFN-gamma-26 (no cable 3) INFN-gamma-27-28
End Date (mm/dd/yy): 9/3/2005	Note:
	Flag: OK



Sidewalls +X	serial nb: <input type="text"/>	VISUAL INSPECTION: Date (mm/dd/yyyy): 2/12/2004 Note: Flag: OK
		MOUNTING: Date (mm/dd/yy): 2/12/2004 Note: No S/N and P/N appear on sidewall
Sidewalls +X	serial nb: 002	VISUAL INSPECTION: Date (mm/dd/yyyy): 1/7/2004 Note: Flag: OK
		MOUNTING: Date (mm/dd/yy): 1/7/2004 Note:

**Sidewalls
+X**

serial nb:
003

VISUAL INSPECTION:	
Date (mm/dd/yyyy): 2/17/2005	Note
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy): 2/17/2005	Note

**Sidewalls
+X**

serial nb:
002

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

MOUNTING:	
Date (mm/dd/yy): 10/3/2005	Note

**Sidewalls
+X**

serial nb:
005

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

MOUNTING:	
Date (mm/dd/yy): 3/25/2005	Note

**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"/>	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="2/17/2005"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="2/17/2005"/>	<input type="text"/>

**Sidewalls
-X**

serial nb:
002

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

MOUNTING:	
Date (mm/dd/yy):	Note
10/3/2005	

**Sidewalls
-X**

serial nb:
005

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

MOUNTING:	
Date (mm/dd/yy):	Note
3/25/2005	

**Sidewalls
+Y**

serial nb:

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

MOUNTING:	
Date (mm/dd/yy):	Note
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:
003

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
2/17/2005	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
2/17/2005	

**Sidewalls
+Y**

serial nb:
002

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

MOUNTING:	
Date (mm/dd/yy):	Note
10/3/2005	

**Sidewalls
+Y**

serial nb:
005

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

MOUNTING:	
Date (mm/dd/yy):	Note
3/25/2005	

**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	

**Sidewalls
-Y**

serial nb:
003

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
2/17/2005	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
2/17/2005	

**Sidewalls
-Y**

serial nb:
002

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

MOUNTING:	
Date (mm/dd/yy):	Note
10/3/2005	

**Sidewalls
-Y**

serial nb:
005

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

MOUNTING:	
Date (mm/dd/yy):	Note
3/25/2005	

ALIGNMENT:	
Date (mm/dd/yyyy): 3/10/2005	Note:
Flag: <input type="text" value="OK"/>	

BASE PLATE ASSEMBLING:	
Date (mm/dd/yyyy): 3/10/2005	Note:
Flag: <input type="text" value="OK"/>	

2nd FUNCTIONAL TEST :	
Start Date (mm/dd/yy): 3/11/2005	Note: done after Turn Over
End Date (mm/dd/yy): 3/14/2005	Note: INFN-gamma-29
	Flag: <input type="text" value="OK"/>

TOWER Turn Over :	
Date (mm/dd/yyyy): 3/11/2005	Note:
Flag: <input type="text" value="OK"/>	

BRACKET ASSEMBLING:	
Date (mm/dd/yyyy): 3/11/2005	Note: 2nd functional test was done after this operations
Flag: <input type="text"/>	

SHIPPING TO ALENIA:	
Date (mm/dd/yyyy): 3/14/2005	Note:
Flag: <input type="text" value="OK"/>	

THERMO-VACUUM:	
Date (mm/dd/yyyy): 3/18/2005	Note: ended on 3/25
Flag: <input type="text" value="OK"/>	

VIBRATIONAL:	
Date (mm/dd/yyyy): 3/16/2005	Note: ended on 3/17
Flag: <input type="text" value="OK"/>	

SHIPPING TO INFN/PISA:	
Date (mm/dd/yyyy): <input type="text"/>	Note: Skipped as per MRB 3/24/2005
Flag: <input type="text"/>	

Test @ALENIA

Verify	TOWER BOX VISUAL INSPECTION:	
	Date (mm/dd/yyyy): <input type="text"/>	Note: Skipped as per MRB 3/24/2005
	Flag: <input type="text"/>	
	MEASUREMENT CMM:	
Date (mm/dd/yyyy): <input type="text"/>	Note: Skipped as per MRB 3/24/2005	
Flag: <input type="text"/>		
FUNCTIONAL TEST:		
Date (mm/dd/yyyy): <input type="text"/>	Note: Skipped as per MRB 3/24/2005	
Flag: <input type="text"/>		
PACKAGING:		
Date (mm/dd/yyyy): <input type="text"/>	Note: Skipped as per MRB 3/24/2005	
Flag: <input type="text"/>		
SHIPPING TO SLAC:		
Date (mm/dd/yyyy): 3/30/2005	Note:	
Flag: <input type="text" value="OK"/>		