

GLAST LAT Tracker Subsystem

TOWER ASSEMBLY and TEST FLOW CHART

Tower P/N:

LAT-DS-00722

Revision number:

3

Tower S/N:

4

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:

T

tray S/N:

003

tray weight (gr):

1202.5 g

VISUAL INSPECTION:

Date (mm/dd/yyyy):

4/13/2005 11:27:24 AM

Note

Flag

OK

MOUNTING:

Date (mm/dd/yy):

4/13/2005 11:28:20 AM

Note

Mid Tray (n° 17)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	016	1162

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/13/2005 11:40:46 AM	ground wire was not installed
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
4/13/2005 11:40:50 AM	

Mid Tray (n° 16)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	019	1171

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/13/2005 12:01:39 PM	ground wire was not installed
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
4/13/2005 12:01:42 PM	

Mid Tray (n° 15)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	028	1169.7

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/13/2005 12:31:15 PM	ground wire was not installed
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
4/13/2005 12:31:16 PM	

Mid Tray (n° 14)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	029	1168

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/13/2005 3:41:11 PM	
Flag	<input type="text" value="OK"/>

MOUNTING:	
Date (mm/dd/yy):	Note
4/13/2005 3:41:13 PM	

Mid Tray (n° 13)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
<input type="text" value="M"/>	<input type="text" value="105"/>	<input type="text" value="1143.4"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="4/13/2005 3:54:31 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="4/13/2005 3:54:34 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="072"/>	<input type="text" value="1181.2"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="4/13/2005 4:08:49 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="4/13/2005 4:08:52 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="118"/>	<input type="text" value="1179.7"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="4/13/2005 4:19:59 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="4/13/2005 4:20:00 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="117"/>	<input type="text" value="1176.1"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="4/13/2005 4:32:55 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="4/13/2005 4:33:00 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="108"/>	<input type="text" value="1171"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="4/13/2005 4:44:50 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="4/13/2005 4:44:55 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="100"/>	<input type="text" value="1183.4"/>

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
<input type="text" value="4/13/2005 4:55:10 PM"/>	<input type="text"/>
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
<input type="text" value="4/13/2005 4:55:12 PM"/>	<input type="text"/>
<input type="text"/>	

Mid Tray (n° 07)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
M	56	1178.2

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/13/2005 5:18:13 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
4/13/2005 5:18:11 PM	

Heavy Tray (n° 06)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	016	2609

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/14/2005 10:01:01 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
4/14/2005 10:01:04 AM	

Heavy Tray (n° 05)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	003	2590,7

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/14/2005 10:08:31 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
4/14/2005 10:11:49 AM	

Heavy Tray (n° 04)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	017	2648,2

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/14/2005 10:22:49 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
4/14/2005 10:22:54 AM	

Heavy Tray (n° 03)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
H	027	2646,7

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/14/2005 10:36:09 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
4/14/2005 10:36:37 AM	

Light Tray (n° 02)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	024	924,8

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/14/2005 10:47:33 AM	
Flag <input type="text" value="OK"/>	

MOUNTING:	
Date (mm/dd/yy):	Note
4/14/2005 10:49:50 AM	

Light Tray (n° 01)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
L	023	939,1

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/19/2005 3:37:06 PM	installed in substitution of tray 20
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
4/19/2005 3:37:10 PM	

Bottom Tray (n° 00)

IDENTIFICATION:		
tray type:	tray S/N:	tray weight (gr):
B	011	2137,7

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
4/14/2005 11:58:42 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
4/14/2005 11:58:44 AM	

Cables +X (C0-C1)

C-0 <i>(-Y corner)</i> cable +XC0 sn: <input type="text" value="C0-021"/>	VISUAL INSPECTION:
	Date (mm/dd/yyyy): <input type="text" value="4/14/2005"/> Flag: <input type="text" value="OK"/> Note: <input type="text"/>
C-1 <i>(+Y corner)</i> cable +XC1 sn: <input type="text" value="C1-012"/>	MOUNTING:
	Date (mm/dd/yy): <input type="text" value="4/14/2005"/> Note: <input type="text"/>
	VISUAL INSPECTION:
	Date (mm/dd/yyyy): <input type="text" value="4/14/2005"/> Flag: <input type="text" value="OK"/> Note: <input type="text"/>
	MOUNTING:
	Date (mm/dd/yyyy): <input type="text" value="4/14/2005"/> Note: <input type="text"/>

Cables +Y (C2-C3)

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

cable +YC2 sn:

C2-010

VISUAL INSPECTION:

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

4/18/2005 OK

MOUNTING:

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

4/18/2005

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

cable +YC3 sn:

C3-008

VISUAL INSPECTION:

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

4/14/2005 OK

MOUNTING:

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

4/14/2005

Cables -X (C4-C5)

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

cable -XC5 sn:

C4-012

VISUAL INSPECTION:

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

4/18/2005 OK

MOUNTING:

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

4/18/2005

**C-5
(+Ycorner)**

cable -XC6 sn:

C5-010

VISUAL INSPECTION:

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

4/14/2005 OK

MOUNTING:

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

4/14/2005

Cables -Y (C6-C7)

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

cable -YC6 sn:

C6-014

VISUAL INSPECTION:

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

4/18/2005 OK

MOUNTING:

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

4/18/2005

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

cable -YC7 sn:

C7-012

VISUAL INSPECTION:

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

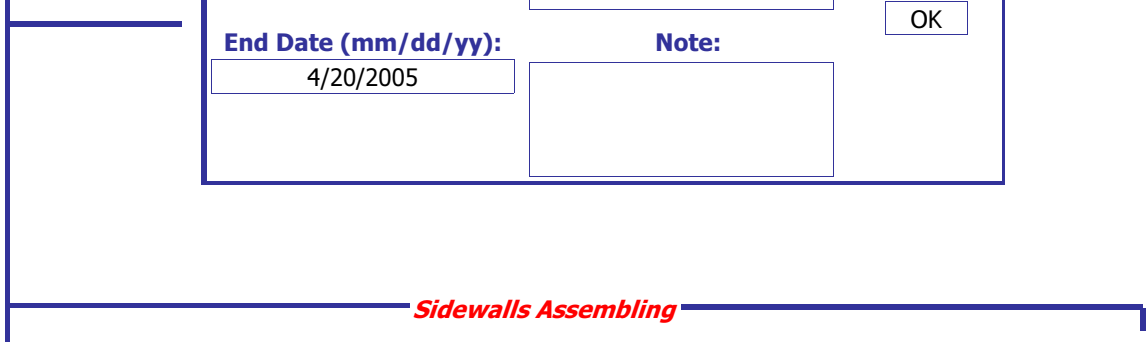
4/14/2005 OK

MOUNTING:

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

4/14/2005

1st FUNCTIONAL TEST CPT:		
Start Date (mm/dd/yy): 4/19/2005	Note: w/o cables C2, C4, C6	Flag: OK
End Date (mm/dd/yy): 4/20/2005	Note:	



Sidewalls +X
serial nb:

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:

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:
006

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

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

**Sidewalls
+X**

serial nb:
007

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/10/2005	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
5/10/2005	

**Sidewalls
+X**

serial nb:
008

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/30/2005 11:08:25 AM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
5/30/2005	

**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
-X**

serial nb:
006

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

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

**Sidewalls
-X**

serial nb:
007

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/10/2005	
Flag <input checked="" type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
5/10/2005	

**Sidewalls
-X**

serial nb:
008

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/30/2005 12:08:28 PM	
Flag <input checked="" type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
5/30/2005	

**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:
006

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

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

**Sidewalls
+Y**

serial nb:
007

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/10/2005	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
5/10/2005	

**Sidewalls
+Y**

serial nb:
008

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/30/2005 2:09:24 PM	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
5/30/2005	

**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): 2/17/2005	Note
Flag <input type="checkbox"/> OK	

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

**Sidewalls
-Y**

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
-Y**

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
-Y**

serial nb:
006

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

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

**Sidewalls
-Y**

serial nb:
007

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/10/2005	
Flag <input type="checkbox"/> OK	

MOUNTING:	
Date (mm/dd/yy):	Note
5/10/2005	

**Sidewalls
-Y**

serial nb:
008

VISUAL INSPECTION:	
Date (mm/dd/yyyy):	Note
5/30/2005 4:08:34 PM	
Flag <input type="checkbox"/> OK	

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

ALIGNMENT:	
Date (mm/dd/yyyy): 4/20/2005	Note:
Flag: <input type="text" value="OK"/>	

BASE PLATE ASSEMBLING:	
Date (mm/dd/yyyy): 4/20/2005	Note:
Flag: <input type="text" value="OK"/>	

2nd FUNCTIONAL TEST :		
Start Date (mm/dd/yy): 4/21/2005	Note:	Flag: <input type="text" value="OK"/>
End Date (mm/dd/yy): 4/21/2005	Note:	

TOWER Turn Over :	
Date (mm/dd/yyyy): 4/20/2005	Note:
Flag: <input type="text" value="OK"/>	

BRACKET ASSEMBLING:	
Date (mm/dd/yyyy):	Note:
4/21/2005	
Flag: <input type="text" value="OK"/>	

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

THERMO-VACUUM:	
Date (mm/dd/yyyy):	Note:
5/23/2005	ended 5/27/2005
Flag: <input type="text" value="OK"/>	

Test @ALENIA

VIBRATIONAL:	
Date (mm/dd/yyyy):	Note:
4/27/2005	
Flag: <input type="text" value="OK"/>	

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

Verify	TOWER BOX VISUAL INSPECTION: Date (mm/dd/yyyy): <input type="text"/> NA Note: <input type="text"/> Flag: <input type="text"/>
	MEASUREMENT CMM: Date (mm/dd/yyyy): <input type="text"/> NA Note: <input type="text"/> Flag: <input type="text"/>
	FUNCTIONAL TEST: Date (mm/dd/yyyy): <input type="text"/> NA Note: <input type="text"/> Flag: <input type="text"/>
	PACKAGING: Date (mm/dd/yyyy): <input type="text" value="5/28/2005"/> Note: <input type="text"/> Flag: <input type="text" value="OK"/>
	SHIPPING TO SLAC: Date (mm/dd/yyyy): <input type="text" value="5/30/2005"/> Note: <input type="text"/> Flag: <input type="text"/>