

COVER SHEET

Program: GLAST

Procedure Number: LAT-TD-07990-01

Procedure Title: EPU Thermal Vacuum Test Procedure

Paragraph Number: A.1


Paragraph Title: Comprehensive Performance Test (CPT)

Unit S/N: 2524

Bay Number: _____

TEST READINESS REVIEW COMPLETED AND APPROVED BY THE FOLLOWING:

Test Director: [Signature] Date: 3/3/06

Quality Assurance: [Signature]  Date: 3/3/06

Test Conductor: [Signature] Date: 3/3/06

REVIEWED AND APPROVED BY THE FOLLOWING:

Test Director: [Signature] Date: 3/6/06

Quality Assurance: [Signature]  Date: 3/6/06

Test Conductor: [Signature] Date: 3/6/06

Test Data Sheet		Unit S/N: 2524	Date/Time: 3/3/08		
Title: A.1.1: CPT Procedure		Bay #:	Temp: 28C		
		Operator: C.S	QA: [Signature]		
Step	Description	Limits	Unit	Value	Pass/ Fail
A.1.1	CPT Procedure				
2.c	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	28.0	P
2.d	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	0.760	P
3.f	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	95.0			
	Redundant temperature	96.0			
	Primary voltage	4.1			
	Redundant voltage	4.1			
7	Record the serial number on the data sheet.	Serial number: 0x0d260301			
9.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.682	P
9.c	Verify that the current on Power Supply #1 immediately following the reset is < 0.5 A and record on the datasheet.	< 0.5	A	0.372	P
14.b	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	27.65	P
14.c	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	28.0	P
15.b	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	36.18			
	Redundant temperature	36.21			
	Primary voltage	3.191			
	Redundant voltage	3.190			
19	Record the serial number on the data sheet.	Serial number: 0xd260301			
21.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.682	P
21.c	Verify that the current on Power Supply #1 immediately following the reset is < .5 A and record on the datasheet.	< 0.5	A	0.372	P

Test Data Sheet		Unit S/N:	Date/Time: 3/4/06 5:30 PM		
Title: A.1.1: CPT Procedure End of Hot Soak		Bay #: 2324/12	Temp: 51C		
		Operator: JGV	QA: 1/075		
Step	Description	Limits	Unit	Value	Pass/Fail
A.1.1	CPT Procedure				
2.c	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	27.99	PASS
2.d	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	0.370	PASS
3.f	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	0x86a1			
	Redundant temperature	0x869c			
	Primary voltage	0x0187			
	Redundant voltage	0x0186			
7	Record the serial number on the data sheet.	Serial number: 0x0d260301			
9.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.681	PASS
9.c	Verify that the current on Power Supply #1 immediately following the reset is < 0.5 A and record on the datasheet.	< 0.5	A	0.369	PASS
14.b	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	27.99	PASS
14.c	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	0.441	PASS
15.b	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	0x96c0			
	Redundant temperature	0x96d1			
	Primary voltage	0x9194			
	Redundant voltage	0x9187			
19	Record the serial number on the data sheet.	Serial number: 0x0d260301			
21.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.681A	PASS
21.c	Verify that the current on Power Supply #1 immediately following the reset is < .5 A and record on the datasheet.	< 0.5	A	0.367A	PASS

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Test Data Sheet		Unit S/N: 21211	Date/Time: 3/5/06 8:50AM		
Title: A.1.1: CPT Procedure End of Cold Soak		Bay #: 12	Temp: -34.6 C		
		Operator: JGT	QA: 1.035		
Step	Description	Limits	Unit	Value	Pass/ Fail
A.1.1	CPT Procedure				
2.c	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	27.99	PASS
2.d	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	0.375	PASS
3.f	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	0x f11e			
	Redundant temperature	0x f117			
	Primary voltage	0x f193			
	Redundant voltage	0x f190			
7	Record the serial number on the data sheet.	Serial number: 0x 02260301			
9.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.676	PASS
9.c	Verify that the current on Power Supply #1 immediately following the reset is < 0.5 A and record on the datasheet.	< 0.5	A	0.374	PASS
14.b	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	28.00	PASS
14.c	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	0.350	PASS
15.b	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	0x 6153			
	Redundant temperature	0x 6178			
	Primary voltage	0x 617c			
	Redundant voltage	0x 618f			
19	Record the serial number on the data sheet.	Serial number: 0x 02260301			
21.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.676	PASS
21.c	Verify that the current on Power Supply #1 immediately following the reset is < .5 A and record on the datasheet.	< 0.5	A	0.374	PASS

Test Data Sheet		Unit S/N: 2024	Date/Time: 3/6/06 9:13AM		
Title: A.1.1: CPT Procedure Post TVAC		Bay #: 12	Temp: Room Temp		
		Operator: SGT	QA: /ms		
Step	Description	Limits	Unit	Value	Pass/ Fail
A.1.1	CPT Procedure				
2.c	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	27.98	PASS
2.d	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	0.362	PASS
3.f	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	0x557e			
	Redundant temperature	0x5583			
	Primary voltage	0x518f			
	Redundant voltage	0x5190			
7	Record the serial number on the data sheet.	Serial number: 0x0d266301			
9.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.671	PASS
9.c	Verify that the current on Power Supply #1 immediately following the reset is < 0.5 A and record on the datasheet.	< 0.5	A	0.364	PASS
14.b	On the power supply, verify that the voltage is 27 to 29 and record on the data sheet.	27 to 29	Volts	27.98	PASS
14.c	Verify that the current draw is 0.2 to 1.0 Amps and record on the data sheet:	0.2 to 1.0	Amps	0.412	PASS
15.b	Record on the data sheet the values for primary and redundant temperatures and voltages (positions 1, 2, 5, 6).				
	Primary temperature	0x5597			
	Redundant temperature	0x55a3			
	Primary voltage	0x5190			
	Redundant voltage	0x519c			
19	Record the serial number on the data sheet.	Serial number: 0x0d266301			
21.a	Verify that the current draw of the EPU, Power Supply #1, is > 0.5 A and record on the datasheet.	> 0.5	A	0.672	PASS
21.c	Verify that the current on Power Supply #1 immediately following the reset is < .5 A and record on the datasheet.	< 0.5	A	0.365	PASS