

Tower Electronics Module Assembly Test Procedure

COVER SHEET

Program: GLAST

Procedure Number: LAT-TD-03415


Procedure Title: TEM Performance Test Procedure

Paragraph Number: 5.4


Paragraph Title: Performance Tests

Unit S/N: 612
(Thermal chamber)

TEST READINESS REVIEW COMPLETED AND APPROVED BY THE FOLLOWING:


Test Director: [Signature] Date: 12/15/04
Quality Assurance: [Signature]  Date: 12/15/04
Test Conductor: [Signature] Date: 12/15/04

REVIEWED AND APPROVED BY THE FOLLOWING:

Test Director: [Signature] Date: 12/16/04
Quality Assurance: [Signature]  Date: 12/16/04
Test Conductor: [Signature] Date: 12/16/04

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Tower Electronics Module Assembly Test Procedure


TEST DATA SHEET		Unit S/N: 612	Date/Temperature: 12/15/04
Title: 5.1.3 Test Equipment		Operator: C.S.	QA: 
Para./ Step	Test Equipment Description, Manufacturer	Model/LAT Number	*Cal./Val. Date
5.1.3.1 - 1	Record Model/LAT number, Serial/Revision number, Calibration due dates and Validation date for all equipment used in this procedure:		
	VME Crate, Dawn VME Products	11-1011777-2119 VME64x (series 767)	GLAT1132
	VME, TST-STP Trans card	LAT-DS-00999	GLAT0216
	VME SBC MVME2304 card, Motorola	PN MVME2304-0123	GLAT0305
	VME LCB Mezzanine card	LAT-TD-00860	GLAT0822
	Software for the local PC	LATTE P04-04-01 www-glast.slac.stanford.edu/IntegrationTest/ONLINE/updates/	OK
	Software for the local PC	TEMPROD V00-00-00	OK
	DC Power supply #1, BK Precision	1697	GLAT1425 ^{8/3}
	DC Power supply #2, BK Precision	1697	GLAT1335 ^{8/5}
	28 Volt supply cable	LAT-DS-03246	N/A
	PS Control cable	LAT-DS-04831	GLAT1420
	TEM to GASU cable	LAT-DS-02106	GLAT1421
	LCB Transition board cable	LAT-DS-03247	GLAT1314
	TEM Test Board Assembly	LAT-DS-04465	GLAT0477
	TEM Test board cooling fan assembly	LAT-DS-03567	GLAT0022
	CAT5 Ethernet cable	TRD855PL-50	N/A
	RS-232 Cable	TDC003-7 (RECO98M connectors)	N/A
	Ground jumper, Banana, Pomona	B-12-0	N/A AT120 ^{C.S.}
	PS extension cable	LAT-DS-04629	GLAT1397
	Digital Multimeter, Fluke/Meterman	87-III/38XR	SLAC 00004 ^{11/5}

* This column is used to enter the date that equipment is validated, when validated equipment is recorded in this data sheet.

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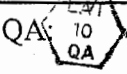
All test equipment validated on 12/15/04

Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N: 612	Date/Temperature: 12/15/09
Title: 5.1.4 Participant List		Operator: L.S	QA: 
Para./ Step	Title	Print Name	Signature
5.1.4 - 1	Record names of all personnel that take part in the test/operation:		
	elect. eng.	L. Saporozhnikov	[Signature]
	QE	PAT LUWAN	[Signature]

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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N: 612	Date: 12/15/06	
Title: 5.3 Pre Operation Verifications		Operator: C.S.	QA: 	
Step	Description	Requirement	Units	Data
5.3 Pre-Operation Verifications				
-1	Notify QAE.	OK	OK/NG	OK
-2	Test Readiness Review is done.	OK	OK/NG	OK
-3	Record the EUT equipment:			
	TEM Part number	NA	NA	LAT-DS-0144-58
	TEM LAT Bay location	NA	NA	
	TEM Serial number	NA	NA	612
	TPS Part number	NA	NA	N/A
	TPS LAT Bay location	NA	NA	N/A
	TPS Serial number	NA	NA	CLAT0326
-4	Power on the LAT or EGSE is off.	OFF	ON/OFF	OFF
-5	Set DMM to autoranging for resistance.	OK	OK/NG	OK
-6	Measure DMM lead resistance.	<2.0	Ω	0.2
-7	Measure EUT to ground.	<2.0	Ω	0.7
-8	Measure equipment to ground.	<2.0	Ω	0.7
-9	All connector savers are installed on the flight connections.	OK	OK/NG	OK
-10	The test equipment and participant lists have been completed.	OK	OK/NG	OK



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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET	Unit S/N: 612	Date/Temperature: 12/15/04 (+23C)		
Paragraph: 5.4 Performance Tests		Operator:	QA:	
Step	Description	Requirement	Units	Data
5.4.2	Monitor Margin and Bias Test Procedure			
-11	Verify all tests passed by green indicators and no errors in the Messages box on the Margin and Bias Test window.	OK	OK/NG	OK
-12	Attach printout of the Monitor Margin and Bias Test log file to this data package.	OK	OK/NG	OK * see data
5.4.3	Temperature Monitor Test			
-11	Verify the test passed by green indicator and no errors in the Messages box on the Temperature Tests window.	OK	OK/NG	OK
-12	Attach printout of the Temperature Monitor Test log file to this data package.	OK	OK/NG	OK
5.4.4	Basic Test			
-8	Verify all tests passed by green indicators and "0" for Communication Errors and Event Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Basic Test log file to this data package.	OK	OK/NG	OK
5.4.5	Front End Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Front End Test log file to this data package.	OK	OK/NG	OK
5.4.6	TEM FIFO Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the FIFO Test window.	OK	OK/NG	OK
-9	Attach printout of the FIFO Test log file to this data package.	OK	OK/NG	OK


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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
Paragraph: 5.4.7.1 Multiple Frequency Test at +55° C		612	12/16/04 + 52C	
		Operator: C.S.	QA. 	
Step	Description	Requirement	Units	Data
5.4.2	Monitor Margin and Bias Test			
-11	Verify test passed by green indicator and no errors in the Messages box on the Margin and Bias Test window.	OK	OK/NG	OK
-12	Attach printout of the Monitor Margin and Bias Test log file to this data package.	OK	OK/NG	 * See data


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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
		612	12/16/04 (+52C)	
Paragraph: 5.4.7.1 Multiple Frequency Test at +55° C (23 MHz)		Operator:	QA:	
		CS		
Step	Description	Requirement	Units	Data
5.4.4	Basic Test			
-8	Verify all tests passed by green indicators and "0" for Communication Errors and Event Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Basic Test log file to this data package.	OK	OK/NG	OK
5.4.5	Front End Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Front End Test log file to this data package.	OK	OK/NG	OK
5.4.6	FIFO Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the FIFO Test window.	OK	OK/NG	OK
-9	Attach printout of the FIFO Test log file to this data package.	OK	OK/NG	OK


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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
Paragraph: 5.4.7.1 Multiple Frequency Test at +55° C (14 MHz)		612	12/16/24 (+55°C)	
		Operator: C.S	QA 	
Step	Description	Requirement	Units	Data
5.4.4	Basic Test			
-8	Verify all tests passed by green indicators and "0" for Communication Errors and Event Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Basic Test log file to this data package.	OK	OK/NG	OK
5.4.5	Front End Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Front End Test log file to this data package.	OK	OK/NG	OK
5.4.6	FIFO Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the FIFO Test window.	OK	OK/NG	OK
-9	Attach printout of the FIFO Test log file to this data package.	OK	OK/NG	OK


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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N: <i>612</i>	Date/Temperature: <i>12/16/04 (+52C)</i>		
Paragraph: 5.4.7.1 Multiple Frequency Test at +55° C (20 MHz)		Operator: <i>C.S</i>	QA: 		
Step	Description	Requirement	Units	Data	
5.4.4	Basic Test				
-8	Verify all tests passed by green indicators and "0" for Communication Errors and Event Errors on the Main Panel tab.	OK	OK/NG	<i>OK</i>	
-9	Attach printout of the Basic Test log file to this data package.	OK	OK/NG	<i>OK</i>	
5.4.5	Front End Test				
-8	Verify all tests passed by green indicators and "0" for Total Errors on the Main Panel tab.	OK	OK/NG	<i>OK</i>	
-9	Attach printout of the Front End Test log file to this data package.	OK	OK/NG	<i>OK</i>	
5.4.6	FIFO Test				
-8	Verify all tests passed by green indicators and "0" for Total Errors on the FIFO Test window.	OK	OK/NG	<i>OK</i>	
-9	Attach printout of the FIFO Test log file to this data package.	OK	OK/NG	<i>OK</i>	

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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
Paragraph: 5.4.7.2 Multiple Frequency Test at -40° C		G12	12/16/04 F379	
		Operator: LS	QA: 	
Step	Description	Requirement	Units	Data
5.4.2	Monitor Margin and Bias Test			
-11	Verify test passed by green indicator and no errors in the Messages box on the Margin and Bias Test window.	OK	OK/NG	OK
-12	Attach printout of the Monitor Margin and Bias Test log file to this data package.	OK	OK/NG	OK

see data


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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
Paragraph: 5.4.7.2 Multiple Frequency Test at -40° C (23 MHz)		612	12/16/24 (-37C)	
		Operator: C.S	QA: 	
Step	Description	Requirement	Units	Data
5.4.4	Basic Test			
-8	Verify all tests passed by green indicators and "0" for Communication Errors and Event Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Basic Test log file to this data package.	OK	OK/NG	OK
5.4.5	Front End Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Front End Test log file to this data package.	OK	OK/NG	OK
5.4.6	FIFO Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the FIFO Test window.	OK	OK/NG	OK
-9	Attach printout of the FIFO Test log file to this data package.	OK	OK/NG	OK


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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
Paragraph: 5.4.7.2 Multiple Frequency Test at -40° C (14 MHz)		C12	12/16/04 (-37C)	
		Operator: L.S	QA: 	
Step	Description	Requirement	Units	Data
5.4.4	Basic Test			
-8	Verify all tests passed by green indicators and "0" for Communication Errors and Event Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Basic Test log file to this data package.	OK	OK/NG	OK
5.4.5	Front End Test			g
-8	Verify all tests passed by green indicators and "0" for Total Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Front End Test log file to this data package.	OK	OK/NG	OK
5.4.6	FIFO Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the FIFO Test window.	OK	OK/NG	OK
-9	Attach printout of the FIFO Test log file to this data package.	OK	OK/NG	OK


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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
Paragraph: 5.4.7.2 Multiple Frequency Test at -40° C (20 MHz)		G12	12/16/24 (-37C)	
		CS	QA: 	
Step	Description	Requirement	Units	Data
5.4.4	Basic Test			
-8	Verify all tests passed by green indicators and "0" for Communication Errors and Event Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Basic Test log file to this data package.	OK	OK/NG	OK
5.4.5	Front End Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the Main Panel tab.	OK	OK/NG	OK
-9	Attach printout of the Front End Test log file to this data package.	OK	OK/NG	OK
5.4.6	FIFO Test			
-8	Verify all tests passed by green indicators and "0" for Total Errors on the FIFO Test window.	OK	OK/NG	OK
-9	Attach printout of the FIFO Test log file to this data package.	OK	OK/NG	OK

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Tower Electronics Module Assembly Test Procedure

TEST DATA SHEET		Unit S/N:	Date/Temperature:	
Paragraph: 5.4.8 Functional Test Procedure		612	12/15/04 +23C	
		Operator: CS	QA: 	
Step	Description	Requirement	Units	Data
5.4.8	Functional Test			
-8	Verify all tests passed by green indicators and no errors in the Messages box on the Functional Test window.	OK	OK/NG	OK
-9	Attach printout of the Functional Test log file to this data package.	OK	OK/NG	OK

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bias_0386_612_20041215_222736

22:27:36 no input file used for cal in this mode; use default slope 1.000000 and intercept 0.000000
 22:27:36 no input file used for tkr in this mode; use default slope 1.000000 and intercept 0.000000
 22:27:36 reading input file
 V:\GLAST\Electronics\TEMPROD\TpsCalibTest\data\tps_0386_612_20041215_105942.csv
 22:27:36 using slope 65.658863 and intercept -0.122454
 22:27:40

--- Testing Low Range ---

22:27:40 Pdu TEM voltage 0: Raw 2356 Calibrated 2.876 v: tolerance 2.7-3.0 v
 result: ok
 22:27:40 Pdu TEM voltage 1: Raw 2351 Calibrated 2.870 v: tolerance 2.7-3.0 v
 result: ok
 22:27:40 TEM : Raw 2355 Calibrated 2.875 v: tolerance 2.7-3.0 v
 result: ok
 22:27:40 Cal Digital : Raw 2319 Calibrated 2.831 v: tolerance 2.7-3.0 v
 result: ok
 22:27:40 Cal Analog : Raw 2362 Calibrated 2.884 v: tolerance 2.7-3.0 v
 result: ok
 22:27:40 Tkr Digital : Raw 2257 Calibrated 2.066 v: tolerance 2.0-2.2 v
 result: ok
 22:27:40 Tkr Analog A : Raw 1430 Calibrated 1.096 v: tolerance 1.0-1.35 v
 result: ok
 22:27:40 Tkr Analog B : Raw 2299 Calibrated 2.105 v: tolerance 1.9-2.3 v
 result: ok
 22:27:40 Cal Bias 1 : Raw 418 Calibrated 25.78 v: tolerance 24.0-27.0
 V result: ok
 22:27:41 Cal Bias 0 : Raw 18 Calibrated 1.113 v: tolerance 0.0-1.999
 V result: ok
 22:27:41 Cal Bias Current : Calibrated 0.004836 A: tolerance
 0.004-0.006 A result: ok
 22:27:41 Tkr Bias 1 : Raw 418 Calibrated 25.77 v: tolerance 24.0-27.0
 V result: ok
 22:27:41 Tkr Bias 0 : Raw 17 Calibrated 1.048 v: tolerance 0.0-2.0 v
 result: ok
 22:27:41 Tkr Bias Current : Calibrated 0.004848 A: tolerance
 0.004-0.006 A result: ok
 22:27:41 Tower 28V V1 : Raw 3392 Calibrated 27.38 v: tolerance 26.0-28.0
 V result: ok
 22:27:41 Tower 28V V2 : Raw 3414 Calibrated 27.55 v: tolerance 26.0-28.0
 V result: ok
 22:27:41 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$
 22:27:41 Tower Current : Calibrated 0.73295 A: tolerance 0.6-0.9 A
 result: ok
 22:27:45

--- Testing High Range ---

22:27:45 Pdu TEM voltage 0: Raw 2907 Calibrated 3.549 v: tolerance 3.5-3.7 v
 result: ok
 22:27:45 Pdu TEM voltage 1: Raw 2915 Calibrated 3.559 v: tolerance 3.5-3.7 v
 result: ok
 22:27:45 TEM : Raw 2908 Calibrated 3.550 v: tolerance 3.5-3.7 v
 result: ok
 22:27:45 Cal Digital : Raw 3031 Calibrated 3.700 v: tolerance 3.6-4.0 v
 result: ok
 22:27:45 Cal Analog : Raw 3084 Calibrated 3.765 v: tolerance 3.6-4.0 v
 result: ok
 22:27:45 Tkr Digital : Raw 3205 Calibrated 2.934 v: tolerance 2.9-3.1 v
 result: ok
 22:27:45 Tkr Analog A : Raw 2121 Calibrated 1.625 v: tolerance 1.6-1.8 v

bias_0386_612_20041215_222736

result: ok
22:27:45 Tkr Analog B : Raw 3259 Calibrated 2.984 v: tolerance 2.85-3.1 v
result: ok
22:27:45 Cal Bias 1 : Raw 1670 Calibrated 102.9 v: tolerance 80.0-110.0
V result: ok
22:27:45 Cal Bias 0 : Raw 1543 Calibrated 95.19 v: tolerance 70.0-100.0
V result: ok
22:27:45 Cal Bias Current : Calibrated 0.001530 A: tolerance
0.001-0.002 A result: ok
22:27:45 Tkr Bias 1 : Raw 2571 Calibrated 158.5 v: tolerance
145.0-165.0 V result: ok
22:27:45 Tkr Bias 0 : Raw 2234 Calibrated 137.7 v: tolerance
130.0-150.0 V result: ok
22:27:45 Tkr Bias Current is 0.004082 for High test: out of tolerance range
0.003000-0.004000
22:27:45 Tkr Bias Current : Calibrated 0.004081 A: tolerance
0.003-0.004 A result: high
22:27:45 Tower 28V V1 : Raw 3339 Calibrated 26.95 v: tolerance 26.0-28.0
V result: ok
22:27:45 Tower 28V V2 : Raw 3375 Calibrated 27.24 v: tolerance 26.0-28.0
V result: ok
22:27:45 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$
22:27:45 Tower Current : Calibrated 1.33122 A: tolerance 1.1-1.5 A
result: ok
22:27:50

OK C.S.

--- Testing MidRange Range ---

22:27:50 Pdu TEM voltage 0: Raw 2730 Calibrated 3.333 v: tolerance 3.25-3.45
V result: ok
22:27:50 Pdu TEM voltage 1: Raw 2723 Calibrated 3.324 v: tolerance 3.25-3.45
V result: ok
22:27:50 TEM : Raw 2723 Calibrated 3.324 v: tolerance 3.25-3.45
V result: ok
22:27:50 Cal Digital : Raw 2680 Calibrated 3.272 v: tolerance 3.25-3.45
V result: ok
22:27:50 Cal Analog : Raw 2727 Calibrated 3.329 v: tolerance 3.25-3.45
V result: ok
22:27:50 Tkr Digital : Raw 2736 Calibrated 2.505 v: tolerance 2.5-2.7 v
result: ok
22:27:50 Tkr Analog A : Raw 1776 Calibrated 1.361 v: tolerance 1.3-1.6 v
result: ok
22:27:50 Tkr Analog B : Raw 2786 Calibrated 2.551 v: tolerance 2.35-2.73
V result: ok
22:27:50 Cal Bias 1 : Raw 876 Calibrated 54.03 v: tolerance 45.0-55.0
V result: ok
22:27:50 Cal Bias 0 : Raw 820 Calibrated 50.57 v: tolerance 40.0-55.0
V result: ok
22:27:50 Cal Bias Current : Calibrated 0.000677 A: tolerance
0.0005-0.001 A result: ok
22:27:50 Tkr Bias 1 : Raw 1289 Calibrated 79.53 v: tolerance 70.0-85.0
V result: ok
22:27:50 Tkr Bias 0 : Raw 1121 Calibrated 69.13 v: tolerance 60.0-75.0
V result: ok
22:27:50 Tkr Bias Current is 0.002039 for MidRange test: out of tolerance range
0.001000-0.002000
22:27:50 Tkr Bias Current : Calibrated 0.002039 A: tolerance
0.001-0.002 A result: high
22:27:50 Tower 28V V1 : Raw 3368 Calibrated 27.18 v: tolerance 26.0-28.0
V result: ok
22:27:50 Tower 28V V2 : Raw 3396 Calibrated 27.41 v: tolerance 26.0-28.0
V result: ok
22:27:50 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$

OK C.S.

22:27:50 Tower Current
result: ok

bias_0386_612_20041215_222736
: Calibrated 1.00212 A: tolerance 0.9-1.3 A

temp_0386_612_20041215_222825

22:28:25 Cal 0 T0: Raw 3052 Calibrated 23.6 C tolerance range 20.0-35.0C
result: ok
22:28:25 Cal 0 T1: Raw 3067 Calibrated 24.1 C tolerance range 20.0-35.0C
result: ok
22:28:25 Cal 1 T0: Raw 3061 Calibrated 23.9 C tolerance range 20.0-35.0C
result: ok
22:28:25 Cal 1 T1: Raw 3066 Calibrated 24.1 C tolerance range 20.0-35.0C
result: ok
22:28:25 Cal 2 T0: Raw 3035 Calibrated 23.0 C tolerance range 20.0-35.0C
result: ok
22:28:25 Cal 2 T1: Raw 3040 Calibrated 23.2 C tolerance range 20.0-35.0C
result: ok
22:28:25 Cal 3 T0: Raw 3039 Calibrated 23.1 C tolerance range 20.0-35.0C
result: ok
22:28:25 Cal 3 T1: Raw 3058 Calibrated 23.8 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 0 T0: Raw 3069 Calibrated 24.2 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 0 T1: Raw 3056 Calibrated 23.7 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 1 T0: Raw 3057 Calibrated 23.8 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 1 T1: Raw 3069 Calibrated 24.2 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 2 T0: Raw 3069 Calibrated 24.2 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 2 T1: Raw 3058 Calibrated 23.8 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 3 T0: Raw 3056 Calibrated 23.7 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 3 T1: Raw 3074 Calibrated 24.4 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 4 T0: Raw 3082 Calibrated 24.7 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 4 T1: Raw 3106 Calibrated 25.6 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 5 T0: Raw 3042 Calibrated 23.2 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 5 T1: Raw 3043 Calibrated 23.3 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 6 T0: Raw 3048 Calibrated 23.5 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 6 T1: Raw 3071 Calibrated 24.3 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 7 T0: Raw 3050 Calibrated 23.5 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tkr 7 T1: Raw 3056 Calibrated 23.7 C tolerance range 20.0-35.0C
result: ok
22:28:25 PS T0 : Raw 3054 Calibrated 23.7 C tolerance range 20.0-35.0C
result: ok
22:28:25 PS T1 : Raw 3052 Calibrated 23.6 C tolerance range 20.0-35.0C
result: ok
22:28:25 Tem T0 : Raw 3105 Calibrated 25.5 C tolerance range 20.0-35.0C
result: ok
22:28:26 Tem T1 : Raw 3100 Calibrated 25.4 C tolerance range 20.0-35.0C
result: ok

basic_20041215_222838

12/15/04 22:29:21 INFO Test over: All tests Successful

temFe_20041215_223011

12/15/04	22:30:21	INFO	GTCC 0 - Analog A	Ref: 1.363 V	Actual: 1.289 V
12/15/04	22:30:21	INFO	GTCC 0 - Analog B	Ref: 2.555 V	Actual: 2.540 V
12/15/04	22:30:21	INFO	GTCC 0 - Digital	Ref: 2.509 V	Actual: 2.437 V
12/15/04	22:30:21	INFO	GTCC 0 - High Voltage	Ref: 136.6 V	Actual: 137.7 V
12/15/04	22:30:21	INFO	GTCC 0 - High Voltage by 2		Actual: 48.58 V
12/15/04	22:30:21	INFO	GTCC 1 - Analog A	Ref: 1.363 V	Actual: 1.294 V
12/15/04	22:30:21	INFO	GTCC 1 - Analog B	Ref: 2.555 V	Actual: 2.544 V
12/15/04	22:30:21	INFO	GTCC 1 - Digital	Ref: 2.509 V	Actual: 2.449 V
12/15/04	22:30:21	INFO	GTCC 1 - High Voltage	Ref: 136.6 V	Actual: 134.5 V
12/15/04	22:30:21	INFO	GTCC 1 - High Voltage by 2		Actual: 49.14 V
12/15/04	22:30:21	INFO	GTCC 2 - Analog A	Ref: 1.363 V	Actual: 1.294 V
12/15/04	22:30:21	INFO	GTCC 2 - Analog B	Ref: 2.555 V	Actual: 2.542 V
12/15/04	22:30:21	INFO	GTCC 2 - Digital	Ref: 2.509 V	Actual: 2.446 V
12/15/04	22:30:21	INFO	GTCC 2 - High Voltage	Ref: 136.6 V	Actual: 135.6 V
12/15/04	22:30:21	INFO	GTCC 2 - High Voltage by 2		Actual: 50.31 V
12/15/04	22:30:21	INFO	GTCC 3 - Analog A	Ref: 1.363 V	Actual: 1.312 V
12/15/04	22:30:21	INFO	GTCC 3 - Analog B	Ref: 2.555 V	Actual: 2.550 V
12/15/04	22:30:21	INFO	GTCC 3 - Digital	Ref: 2.509 V	Actual: 2.472 V
12/15/04	22:30:21	INFO	GTCC 3 - High Voltage	Ref: 136.6 V	Actual: 135.3 V
12/15/04	22:30:21	INFO	GTCC 3 - High Voltage by 2		Actual: 48.89 V
12/15/04	22:30:21	INFO	GTCC 4 - Analog A	Ref: 1.363 V	Actual: 1.323 V
12/15/04	22:30:21	INFO	GTCC 4 - Analog B	Ref: 2.555 V	Actual: 2.551 V
12/15/04	22:30:21	INFO	GTCC 4 - Digital	Ref: 2.509 V	Actual: 2.483 V
12/15/04	22:30:21	INFO	GTCC 4 - High Voltage	Ref: 136.6 V	Actual: 135.7 V
12/15/04	22:30:21	INFO	GTCC 4 - High Voltage by 2		Actual: 49.82 V
12/15/04	22:30:21	INFO	GTCC 5 - Analog A	Ref: 1.363 V	Actual: 1.328 V
12/15/04	22:30:21	INFO	GTCC 5 - Analog B	Ref: 2.555 V	Actual: 2.549 V
12/15/04	22:30:21	INFO	GTCC 5 - Digital	Ref: 2.509 V	Actual: 2.476 V
12/15/04	22:30:21	INFO	GTCC 5 - High Voltage	Ref: 136.6 V	Actual: 135.4 V
12/15/04	22:30:21	INFO	GTCC 5 - High Voltage by 2		Actual: 53.15 V
12/15/04	22:30:21	INFO	GTCC 6 - Analog A	Ref: 1.363 V	Actual: 1.318 V
12/15/04	22:30:21	INFO	GTCC 6 - Analog B	Ref: 2.555 V	Actual: 2.544 V
12/15/04	22:30:21	INFO	GTCC 6 - Digital	Ref: 2.509 V	Actual: 2.483 V
12/15/04	22:30:21	INFO	GTCC 6 - High Voltage	Ref: 136.6 V	Actual: 135.4 V
12/15/04	22:30:21	INFO	GTCC 6 - High Voltage by 2		Actual: 51.30 V
12/15/04	22:30:21	INFO	GTCC 7 - Analog A	Ref: 1.363 V	Actual: 1.321 V
12/15/04	22:30:21	INFO	GTCC 7 - Analog B	Ref: 2.555 V	Actual: 2.551 V
12/15/04	22:30:21	INFO	GTCC 7 - Digital	Ref: 2.509 V	Actual: 2.476 V
12/15/04	22:30:21	INFO	GTCC 7 - High Voltage	Ref: 136.6 V	Actual: 135.2 V
12/15/04	22:30:21	INFO	GTCC 7 - High Voltage by 2		Actual: 48.77 V
12/15/04	22:30:26	INFO	GCCC 0 - Analog	Ref: 3.336 V	Actual: 3.184 V
12/15/04	22:30:26	INFO	GCCC 0 - Digital	Ref: 3.279 V	Actual: 3.101 V
12/15/04	22:30:26	INFO	GCCC 0 - High Voltage	Ref: 37.24 V	Actual: 37.48 V
12/15/04	22:30:26	INFO	GCCC 1 - Analog	Ref: 3.336 V	Actual: 3.213 V
12/15/04	22:30:26	INFO	GCCC 1 - Digital	Ref: 3.279 V	Actual: 3.135 V
12/15/04	22:30:26	INFO	GCCC 1 - High Voltage	Ref: 37.24 V	Actual: 38.84 V
12/15/04	22:30:26	INFO	GCCC 2 - Analog	Ref: 3.336 V	Actual: 3.203 V
12/15/04	22:30:26	INFO	GCCC 2 - Digital	Ref: 3.279 V	Actual: 3.145 V
12/15/04	22:30:26	INFO	GCCC 2 - High Voltage	Ref: 37.24 V	Actual: 38.78 V
12/15/04	22:30:26	INFO	GCCC 3 - Analog	Ref: 3.336 V	Actual: 3.206 V
12/15/04	22:30:26	INFO	GCCC 3 - Digital	Ref: 3.279 V	Actual: 3.169 V
12/15/04	22:30:26	INFO	GCCC 3 - High Voltage	Ref: 37.24 V	Actual: 38.59 V

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12/15/04	22:30:35	INFO	GTCC 0 - Analog A	Ref: 1.361 V	Actual: 1.285 V
12/15/04	22:30:35	INFO	GTCC 0 - Analog B	Ref: 2.552 V	Actual: 2.539 V
12/15/04	22:30:35	INFO	GTCC 0 - Digital	Ref: 2.506 V	Actual: 2.433 V
12/15/04	22:30:35	INFO	GTCC 0 - High Voltage	Ref: 138.0 V	Actual: 139.1 V
12/15/04	22:30:35	INFO	GTCC 0 - High Voltage by 2		Actual: 48.95 V
12/15/04	22:30:35	INFO	GTCC 1 - Analog A	Ref: 1.361 V	Actual: 1.291 V
12/15/04	22:30:35	INFO	GTCC 1 - Analog B	Ref: 2.552 V	Actual: 2.539 V
12/15/04	22:30:35	INFO	GTCC 1 - Digital	Ref: 2.506 V	Actual: 2.448 V
12/15/04	22:30:35	INFO	GTCC 1 - High Voltage	Ref: 138.0 V	Actual: 135.8 V
12/15/04	22:30:35	INFO	GTCC 1 - High Voltage by 2		Actual: 49.63 V
12/15/04	22:30:35	INFO	GTCC 2 - Analog A	Ref: 1.361 V	Actual: 1.290 V
12/15/04	22:30:35	INFO	GTCC 2 - Analog B	Ref: 2.552 V	Actual: 2.539 V
12/15/04	22:30:35	INFO	GTCC 2 - Digital	Ref: 2.506 V	Actual: 2.444 V
12/15/04	22:30:35	INFO	GTCC 2 - High Voltage	Ref: 138.0 V	Actual: 137.1 V
12/15/04	22:30:35	INFO	GTCC 2 - High Voltage by 2		Actual: 50.74 V
12/15/04	22:30:35	INFO	GTCC 3 - Analog A	Ref: 1.361 V	Actual: 1.308 V
12/15/04	22:30:35	INFO	GTCC 3 - Analog B	Ref: 2.552 V	Actual: 2.549 V
12/15/04	22:30:35	INFO	GTCC 3 - Digital	Ref: 2.506 V	Actual: 2.471 V
12/15/04	22:30:35	INFO	GTCC 3 - High Voltage	Ref: 138.0 V	Actual: 136.8 V
12/15/04	22:30:35	INFO	GTCC 3 - High Voltage by 2		Actual: 49.32 V
12/15/04	22:30:35	INFO	GTCC 4 - Analog A	Ref: 1.361 V	Actual: 1.322 V
12/15/04	22:30:35	INFO	GTCC 4 - Analog B	Ref: 2.552 V	Actual: 2.547 V
12/15/04	22:30:35	INFO	GTCC 4 - Digital	Ref: 2.506 V	Actual: 2.478 V
12/15/04	22:30:35	INFO	GTCC 4 - High Voltage	Ref: 138.0 V	Actual: 137.1 V
12/15/04	22:30:35	INFO	GTCC 4 - High Voltage by 2		Actual: 50.19 V
12/15/04	22:30:35	INFO	GTCC 5 - Analog A	Ref: 1.361 V	Actual: 1.323 V
12/15/04	22:30:35	INFO	GTCC 5 - Analog B	Ref: 2.552 V	Actual: 2.545 V
12/15/04	22:30:35	INFO	GTCC 5 - Digital	Ref: 2.506 V	Actual: 2.472 V
12/15/04	22:30:35	INFO	GTCC 5 - High Voltage	Ref: 138.0 V	Actual: 136.8 V
12/15/04	22:30:35	INFO	GTCC 5 - High Voltage by 2		Actual: 53.64 V
12/15/04	22:30:35	INFO	GTCC 6 - Analog A	Ref: 1.361 V	Actual: 1.313 V
12/15/04	22:30:35	INFO	GTCC 6 - Analog B	Ref: 2.552 V	Actual: 2.544 V
12/15/04	22:30:35	INFO	GTCC 6 - Digital	Ref: 2.506 V	Actual: 2.478 V
12/15/04	22:30:35	INFO	GTCC 6 - High Voltage	Ref: 138.0 V	Actual: 136.7 V
12/15/04	22:30:35	INFO	GTCC 6 - High Voltage by 2		Actual: 51.73 V
12/15/04	22:30:35	INFO	GTCC 7 - Analog A	Ref: 1.361 V	Actual: 1.318 V
12/15/04	22:30:35	INFO	GTCC 7 - Analog B	Ref: 2.552 V	Actual: 2.549 V
12/15/04	22:30:35	INFO	GTCC 7 - Digital	Ref: 2.506 V	Actual: 2.471 V
12/15/04	22:30:35	INFO	GTCC 7 - High Voltage	Ref: 138.0 V	Actual: 136.5 V
12/15/04	22:30:35	INFO	GTCC 7 - High voltage by 2		Actual: 49.20 V
12/15/04	22:30:41	INFO	GCCC 0 - Analog	Ref: 3.332 V	Actual: 3.179 V
12/15/04	22:30:41	INFO	GCCC 0 - Digital	Ref: 3.275 V	Actual: 3.096 V
12/15/04	22:30:41	INFO	GCCC 0 - High Voltage	Ref: 95.57 V	Actual: 95.20 V
12/15/04	22:30:41	INFO	GCCC 1 - Analog	Ref: 3.332 V	Actual: 3.208 V
12/15/04	22:30:41	INFO	GCCC 1 - Digital	Ref: 3.275 V	Actual: 3.135 V
12/15/04	22:30:41	INFO	GCCC 1 - High Voltage	Ref: 95.57 V	Actual: 97.79 V
12/15/04	22:30:41	INFO	GCCC 2 - Analog	Ref: 3.332 V	Actual: 3.203 V
12/15/04	22:30:41	INFO	GCCC 2 - Digital	Ref: 3.275 V	Actual: 3.140 V
12/15/04	22:30:41	INFO	GCCC 2 - High Voltage	Ref: 95.57 V	Actual: 96.80 V
12/15/04	22:30:41	INFO	GCCC 3 - Analog	Ref: 3.332 V	Actual: 3.203 V
12/15/04	22:30:41	INFO	GCCC 3 - Digital	Ref: 3.275 V	Actual: 3.164 V

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12/15/04	22:30:41	INFO	GCCC 3 - High Voltage	Ref: 95.57 V	Actual: 95.69 V
12/15/04	22:30:49	INFO	GTCC 0 - Analog A	Ref: 1.360 V	Actual: 1.285 V
12/15/04	22:30:49	INFO	GTCC 0 - Analog B	Ref: 2.552 V	Actual: 2.537 V
12/15/04	22:30:49	INFO	GTCC 0 - Digital	Ref: 2.506 V	Actual: 2.433 V
12/15/04	22:30:49	INFO	GTCC 0 - High Voltage	Ref: 138.1 V	Actual: 139.2 V
12/15/04	22:30:49	INFO	GTCC 0 - High Voltage by 2		Actual: 48.95 V
12/15/04	22:30:49	INFO	GTCC 1 - Analog A	Ref: 1.360 V	Actual: 1.290 V
12/15/04	22:30:49	INFO	GTCC 1 - Analog B	Ref: 2.552 V	Actual: 2.539 V
12/15/04	22:30:49	INFO	GTCC 1 - Digital	Ref: 2.506 V	Actual: 2.446 V
12/15/04	22:30:49	INFO	GTCC 1 - High Voltage	Ref: 138.1 V	Actual: 135.8 V
12/15/04	22:30:49	INFO	GTCC 1 - High Voltage by 2		Actual: 49.63 V
12/15/04	22:30:49	INFO	GTCC 2 - Analog A	Ref: 1.360 V	Actual: 1.290 V
12/15/04	22:30:49	INFO	GTCC 2 - Analog B	Ref: 2.552 V	Actual: 2.539 V
12/15/04	22:30:49	INFO	GTCC 2 - Digital	Ref: 2.506 V	Actual: 2.444 V
12/15/04	22:30:49	INFO	GTCC 2 - High Voltage	Ref: 138.1 V	Actual: 137.1 V
12/15/04	22:30:49	INFO	GTCC 2 - High Voltage by 2		Actual: 50.74 V
12/15/04	22:30:49	INFO	GTCC 3 - Analog A	Ref: 1.360 V	Actual: 1.308 V
12/15/04	22:30:49	INFO	GTCC 3 - Analog B	Ref: 2.552 V	Actual: 2.549 V
12/15/04	22:30:49	INFO	GTCC 3 - Digital	Ref: 2.506 V	Actual: 2.471 V
12/15/04	22:30:49	INFO	GTCC 3 - High Voltage	Ref: 138.1 V	Actual: 136.8 V
12/15/04	22:30:49	INFO	GTCC 3 - High Voltage by 2		Actual: 49.32 V
12/15/04	22:30:49	INFO	GTCC 4 - Analog A	Ref: 1.360 V	Actual: 1.321 V
12/15/04	22:30:49	INFO	GTCC 4 - Analog B	Ref: 2.552 V	Actual: 2.547 V
12/15/04	22:30:49	INFO	GTCC 4 - Digital	Ref: 2.506 V	Actual: 2.478 V
12/15/04	22:30:49	INFO	GTCC 4 - High Voltage	Ref: 138.1 V	Actual: 137.1 V
12/15/04	22:30:49	INFO	GTCC 4 - High Voltage by 2		Actual: 50.19 V
12/15/04	22:30:49	INFO	GTCC 5 - Analog A	Ref: 1.360 V	Actual: 1.323 V
12/15/04	22:30:49	INFO	GTCC 5 - Analog B	Ref: 2.552 V	Actual: 2.545 V
12/15/04	22:30:49	INFO	GTCC 5 - Digital	Ref: 2.506 V	Actual: 2.472 V
12/15/04	22:30:49	INFO	GTCC 5 - High Voltage	Ref: 138.1 V	Actual: 136.8 V
12/15/04	22:30:49	INFO	GTCC 5 - High Voltage by 2		Actual: 53.64 V
12/15/04	22:30:49	INFO	GTCC 6 - Analog A	Ref: 1.360 V	Actual: 1.313 V
12/15/04	22:30:49	INFO	GTCC 6 - Analog B	Ref: 2.552 V	Actual: 2.544 V
12/15/04	22:30:49	INFO	GTCC 6 - Digital	Ref: 2.506 V	Actual: 2.478 V
12/15/04	22:30:49	INFO	GTCC 6 - High Voltage	Ref: 138.1 V	Actual: 136.7 V
12/15/04	22:30:49	INFO	GTCC 6 - High Voltage by 2		Actual: 51.79 V
12/15/04	22:30:49	INFO	GTCC 7 - Analog A	Ref: 1.360 V	Actual: 1.318 V
12/15/04	22:30:49	INFO	GTCC 7 - Analog B	Ref: 2.552 V	Actual: 2.549 V
12/15/04	22:30:49	INFO	GTCC 7 - Digital	Ref: 2.506 V	Actual: 2.471 V
12/15/04	22:30:49	INFO	GTCC 7 - High Voltage	Ref: 138.1 V	Actual: 136.6 V
12/15/04	22:30:49	INFO	GTCC 7 - High Voltage by 2		Actual: 49.20 V
12/15/04	22:30:55	INFO	GCCC 0 - Analog	Ref: 3.332 V	Actual: 3.179 V
12/15/04	22:30:55	INFO	GCCC 0 - Digital	Ref: 3.275 V	Actual: 3.096 V
12/15/04	22:30:55	INFO	GCCC 0 - High Voltage	Ref: 95.57 V	Actual: 95.20 V
12/15/04	22:30:55	INFO	GCCC 1 - Analog	Ref: 3.332 V	Actual: 3.208 V
12/15/04	22:30:55	INFO	GCCC 1 - Digital	Ref: 3.275 V	Actual: 3.135 V
12/15/04	22:30:55	INFO	GCCC 1 - High Voltage	Ref: 95.57 V	Actual: 97.79 V
12/15/04	22:30:55	INFO	GCCC 2 - Analog	Ref: 3.332 V	Actual: 3.199 V
12/15/04	22:30:55	INFO	GCCC 2 - Digital	Ref: 3.275 V	Actual: 3.140 V
12/15/04	22:30:55	INFO	GCCC 2 - High Voltage	Ref: 95.57 V	Actual: 96.80 V
12/15/04	22:30:55	INFO	GCCC 3 - Analog	Ref: 3.332 V	Actual: 3.203 V

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12/15/04 22:30:55 INFO GCCC 3 - Digital Ref: 3.275 V Actual: 3.164 V
12/15/04 22:30:55 INFO GCCC 3 - High Voltage Ref: 95.57 V Actual: 95.69 V

12/15/04 22:30:56 INFO All tests successfully completed

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12/15/04 22:32:35 INFO All tests successfully completed

func_20041215_223326

```
22:33:31 default tem status 0xb0000
22:33:31 running temConfigTest
22:33:31 redundant GEM test missing in temConfigTest
22:33:31 entering temConfigParity test
22:33:31 entering tkr tack parity bit test
22:33:33 entering tkr internal parity bit test
22:33:35 entering tkr token parity bit test
22:33:37 entering temCalInternalParityTest
22:33:37 entering temResponseParity test
22:33:37 entering temConfigTrigBufTest test
22:33:39 temConfigCableConTimeoutTest does not exist yet
22:33:39 done with subtest(s), found 0 errors; total errors: 0
22:33:41 functional test(s) interrupted, found 0 total errors
22:33:44 default tem status 0xb0000
22:33:44 running temConfigTest
22:33:44 redundant GEM test missing in temConfigTest
22:33:44 entering temConfigParity test
22:33:44 entering tkr tack parity bit test
22:33:46 entering tkr internal parity bit test
22:33:48 entering tkr token parity bit test
22:33:50 entering temCalInternalParityTest
22:33:50 entering temResponseParity test
22:33:50 entering temConfigTrigBufTest test
22:33:52 temConfigCableConTimeoutTest does not exist yet
22:33:52 done with subtest(s), found 0 errors; total errors: 0
22:33:54 running temDatamasksTest
22:33:55 entering temDatamasksDiag test
22:33:56 entering temDatamasksCal test
22:33:58 entering temDatamasksTkr test
22:33:59 done with subtest(s), found 0 errors; total errors: 0
22:34:01 running temStatusTest
22:34:01 entering temConstatComParity test
22:34:01 entering temConstatPrimaryParity test
22:34:01 entering temConstatComPrefixParity test
22:34:01 entering temConstatTrigMessParity test
22:34:01 entering temConstatTag test
22:34:09 entering temConstatCable test
22:34:15 entering temConstatTimeout test
22:34:16 entering temConstatComParity test
22:34:16 entering temConstatRedundantParity test
22:34:16 entering temConstatRedundantSelected test
22:34:16 entering temConstatEventsSent test
22:34:32 done with subtest(s), found 0 errors; total errors: 0
22:34:34 running temComrespStatTest
22:34:34 entering temComrespStatTest test
22:34:34 takes a few minutes as stands
22:35:09 done with subtest(s), found 0 errors; total errors: 0
22:35:11 running temCalTrgSeqTest
22:35:11 entering cal TrigSeq test
22:35:12 done with subtest(s), found 0 errors; total errors: 0
22:35:14 running temTkrTrgSeqTest
22:35:14 entering gtccTrgSeqTack test
22:35:15 done with subtest(s), found 0 errors; total errors: 0
22:35:17 running temAddressTest
22:35:17 entering temAddress test
22:35:17 done with subtest(s), found 0 errors; total errors: 0
22:35:19 running gticPowerSupplyControlTest
22:35:19 entering gticPowerSupplyControl test
22:35:30 done with subtest(s), found 0 errors; total errors: 0
22:35:32 running gticConstatComParityTest
22:35:32 entering gticConstatComParity test
22:35:32 done with subtest(s), found 0 errors; total errors: 0
22:35:34 running gticInputmaskTest
```

func_20041215_223326

```
22:35:34 gticInputmask test does not exist
22:35:35 done with subtest(s), found 0 errors; total errors: 0
22:35:37 running gccConfigTest
22:35:37 entering ccConfigFifoFullCond test
22:35:37 entering Cal sum subtest
22:35:38 entering Cal err subtest
22:35:40 entering Cal data subtest
22:35:42 entering Cal diag subtest
22:35:44 done with subtest(s), found 0 errors; total errors: 0
22:35:46 running gccLayermaskTest
22:35:46 entering gccLayermaskTest
22:36:10 done with subtest(s), found 0 errors; total errors: 0
22:36:12 running gccConfigTest
22:36:12 entering ccConfigFifoFullCond test
22:36:12 entering Cal sum subtest
22:36:14 entering Cal err subtest
22:36:16 entering Cal data subtest
22:36:18 entering Cal diag subtest
22:36:20 done with subtest(s), found 0 errors; total errors: 0
22:36:22 running gccLatstatFifoTest
22:36:22 entering gccLatstatFifo test
22:37:50 done with subtest(s), found 0 errors; total errors: 0
22:37:52 running gccTimeoutTest
22:37:52 entering gccTimeout test
22:37:56 done with subtest(s), found 0 errors; total errors: 0
22:37:58 running gccTrgalignTest
22:37:58 gccTrgalign test does not exist: probably a scope test
22:37:58 done with subtest(s), found 0 errors; total errors: 0
22:38:00 running gccConfigTest
22:38:00 entering ccConfigFifoFullCond test
22:38:00 entering Cal sum subtest
22:38:02 entering Cal err subtest
22:38:04 entering Cal data subtest
22:38:06 entering Cal diag subtest
22:38:08 done with subtest(s), found 0 errors; total errors: 0
22:38:10 running gtccInputmaskTest
22:38:10 entering gtccInputmaskTest
22:38:19 done with subtest(s), found 0 errors; total errors: 0
22:38:21 running gtccConfigTest
22:38:21 entering gtccConfigCableLength test
22:38:23 entering ccConfigFifoFullCond test
22:38:23 entering tkr sum subtest
22:38:25 entering tkr diag subtest
22:38:56 entering tkr tot subtest
22:38:59 entering tkr err subtest
22:39:01 entering tkr data subtest
22:39:02 done with subtest(s), found 0 errors; total errors: 0
22:39:04 running gtccLatstatFifoTest
22:39:04 entering gtccLatstatFifo test
22:39:16 n.b.: in gtccLatstatFifo; it is not possible to test data fifo write full
bits
22:40:29 done with subtest(s), found 0 errors; total errors: 0
22:40:31 running gtccTimeoutTest
22:40:31 entering gtccTimeout test
22:41:06 done with subtest(s), found 0 errors; total errors: 0
22:41:08 running gtccTrgalignTest
22:41:08 gtccTrgalign test does not exist: probably a scope test
22:41:08 done with subtest(s), found 0 errors; total errors: 0
22:41:10 done with functional test(s), found 0 total errors
```

bias_0386_612_20041216_033147

03:31:47 no input file used for cal in this mode; use default slope 1.000000 and intercept 0.000000
 03:31:47 no input file used for tkr in this mode; use default slope 1.000000 and intercept 0.000000
 03:31:47 reading input file
 V:\GLAST\Electronics\TEMPROD\TpsCalibTest\data\tps_0386_612_20041215_105942.csv
 03:31:47 using slope 65.658863 and intercept -0.122454
 03:31:51

--- Testing Low Range ---

03:31:51 Pdu TEM voltage 0: Raw 2339 Calibrated 2.855 v: tolerance 2.7-3.0 v
 result: ok
 03:31:52 Pdu TEM voltage 1: Raw 2349 Calibrated 2.868 v: tolerance 2.7-3.0 v
 result: ok
 03:31:52 TEM : Raw 2347 Calibrated 2.865 v: tolerance 2.7-3.0 v
 result: ok
 03:31:52 Cal Digital : Raw 2311 Calibrated 2.821 v: tolerance 2.7-3.0 v
 result: ok
 03:31:52 Cal Analog : Raw 2357 Calibrated 2.877 v: tolerance 2.7-3.0 v
 result: ok
 03:31:52 Tkr Digital : Raw 2225 Calibrated 2.037 v: tolerance 2.0-2.2 v
 result: ok
 03:31:52 Tkr Analog A : Raw 1373 Calibrated 1.052 v: tolerance 1.0-1.35 v
 result: ok
 03:31:52 Tkr Analog B : Raw 2269 Calibrated 2.077 v: tolerance 1.9-2.3 v
 result: ok
 03:31:52 Cal Bias 1 : Raw 420 Calibrated 25.90 v: tolerance 24.0-27.0
 V result: ok
 03:31:52 Cal Bias 0 : Raw 20 Calibrated 1.233 v: tolerance 0.0-1.999
 V result: ok
 03:31:52 Cal Bias Current : Calibrated 0.004837 A: tolerance
 0.004-0.006 A result: ok
 03:31:52 Tkr Bias 1 : Raw 420 Calibrated 25.91 v: tolerance 24.0-27.0
 V result: ok
 03:31:52 Tkr Bias 0 : Raw 18 Calibrated 1.123 v: tolerance 0.0-2.0 v
 result: ok
 03:31:52 Tkr Bias Current : Calibrated 0.004861 A: tolerance
 0.004-0.006 A result: ok
 03:31:52 Tower 28V V1 : Raw 3389 Calibrated 27.36 v: tolerance 26.0-28.0
 V result: ok
 03:31:52 Tower 28V V2 : Raw 3409 Calibrated 27.51 v: tolerance 26.0-28.0
 V result: ok
 03:31:52 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$
 03:31:52 Tower Current : Calibrated 0.66509 A: tolerance 0.6-0.9 A
 result: ok
 03:31:56

--- Testing High Range ---

03:31:56 Pdu TEM voltage 0: Raw 2906 Calibrated 3.548 v: tolerance 3.5-3.7 v
 result: ok
 03:31:56 Pdu TEM voltage 1: Raw 2901 Calibrated 3.542 v: tolerance 3.5-3.7 v
 result: ok
 03:31:56 TEM : Raw 2905 Calibrated 3.547 v: tolerance 3.5-3.7 v
 result: ok
 03:31:56 Cal Digital : Raw 3025 Calibrated 3.693 v: tolerance 3.6-4.0 v
 result: ok
 03:31:56 Cal Analog : Raw 3081 Calibrated 3.761 v: tolerance 3.6-4.0 v
 result: ok
 03:31:56 Tkr Digital : Raw 3172 Calibrated 2.904 v: tolerance 2.9-3.1 v
 result: ok
 03:31:56 Tkr Analog A voltage is 1.580489 for High test: out of tolerance range

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1.600000-1.800000
 03:31:56 Tkr Analog A : Raw 2062 Calibrated 1.580 v: tolerance 1.6-1.8 v
 result: low
 03:31:56 Tkr Analog B : Raw 3230 Calibrated 2.957 v: tolerance 2.85-3.1 v
 result: ok
 03:31:56 Cal Bias 1 : Raw 1704 Calibrated 105.1 v: tolerance 80.0-110.0
 V result: ok
 03:31:56 Cal Bias 0 : Raw 1580 Calibrated 97.47 v: tolerance 70.0-100.0
 V result: ok
 03:31:56 Cal Bias Current : Calibrated 0.001499 A: tolerance
 0.001-0.002 A result: ok
 03:31:56 Tkr Bias 1 : Raw 2570 Calibrated 158.5 v: tolerance
 145.0-165.0 v result: ok
 03:31:56 Tkr Bias 0 : Raw 2235 Calibrated 137.8 v: tolerance
 130.0-150.0 v result: ok
 03:31:56 Tkr Bias Current is 0.004052 for High test: out of tolerance range.
 0.003000-0.004000
 03:31:56 Tkr Bias Current : Calibrated 0.004051 A: tolerance
 0.003-0.004 A result: high
 03:31:56 Tower 28V V1 : Raw 3334 Calibrated 26.91 v: tolerance 26.0-28.0
 V result: ok
 03:31:56 Tower 28V V2 : Raw 3370 Calibrated 27.20 v: tolerance 26.0-28.0
 V result: ok
 03:31:56 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$
 03:31:56 Tower Current : Calibrated 1.30087 A: tolerance 1.1-1.5 A
 result: ok
 03:32:01

OK L.S.

--- Testing MidRange Range ---

03:32:01 Pdu TEM voltage 0: Raw 2720 Calibrated 3.321 v: tolerance 3.25-3.45
 V result: ok
 03:32:01 Pdu TEM voltage 1: Raw 2725 Calibrated 3.327 v: tolerance 3.25-3.45
 V result: ok
 03:32:01 TEM : Raw 2720 Calibrated 3.321 v: tolerance 3.25-3.45
 V result: ok
 03:32:01 Cal Digital : Raw 2677 Calibrated 3.268 v: tolerance 3.25-3.45
 V result: ok
 03:32:01 Cal Analog : Raw 2726 Calibrated 3.328 v: tolerance 3.25-3.45
 V result: ok
 03:32:01 Tkr Digital voltage is 2.477106 for MidRange test: out of tolerance range
 2.500000-2.700000
 03:32:01 Tkr Digital : Raw 2705 Calibrated 2.477 v: tolerance 2.5-2.7 v
 result: low
 03:32:01 Tkr Analog A : Raw 1720 Calibrated 1.318 v: tolerance 1.3-1.6 v
 result: ok
 03:32:01 Tkr Analog B : Raw 2759 Calibrated 2.526 v: tolerance 2.35-2.73
 V result: ok
 03:32:01 Cal Bias 1 : Raw 877 Calibrated 54.09 v: tolerance 45.0-55.0
 V result: ok
 03:32:01 Cal Bias 0 : Raw 822 Calibrated 50.70 v: tolerance 40.0-55.0
 V result: ok
 03:32:01 Cal Bias Current : Calibrated 0.000665 A: tolerance
 0.0005-0.001 A result: ok
 03:32:01 Tkr Bias 1 : Raw 1291 Calibrated 79.61 v: tolerance 70.0-85.0
 V result: ok
 03:32:01 Tkr Bias 0 : Raw 1124 Calibrated 69.30 v: tolerance 60.0-75.0
 V result: ok
 03:32:01 Tkr Bias Current is 0.002022 for MidRange test: out of tolerance range
 0.001000-0.002000
 03:32:01 Tkr Bias Current : Calibrated 0.002021 A: tolerance
 0.001-0.002 A result: high
 03:32:01 Tower 28V V1 : Raw 3364 Calibrated 27.15 v: tolerance 26.0-28.0

OK

OK

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V result: ok

03:32:01 Tower 28V V2 : Raw 3391 Calibrated 27.37 v: tolerance 26.0-28.0

V result: ok

03:32:01 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$

03:32:01 Tower Current : Calibrated 0.96119 A: tolerance 0.9-1.3 A

result: ok

+55C / 23MHz

basic_20041216_031113
12/16/04 03:20:20 INFO Test Over: All tests Successful

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12/16/04	03:20:39	INFO	GTCC 0 - Analog A	Ref: 1.364 V	Actual: 1.283 V
12/16/04	03:20:39	INFO	GTCC 0 - Analog B	Ref: 2.562 V	Actual: 2.543 V
12/16/04	03:20:39	INFO	GTCC 0 - Digital	Ref: 2.518 V	Actual: 2.437 V
12/16/04	03:20:39	INFO	GTCC 0 - High Voltage	Ref: 136.8 V	Actual: 137.8 V
12/16/04	03:20:39	INFO	GTCC 0 - High Voltage by 2		Actual: 48.28 V
12/16/04	03:20:39	INFO	GTCC 1 - Analog A	Ref: 1.364 V	Actual: 1.289 V
12/16/04	03:20:39	INFO	GTCC 1 - Analog B	Ref: 2.562 V	Actual: 2.547 V
12/16/04	03:20:39	INFO	GTCC 1 - Digital	Ref: 2.518 V	Actual: 2.451 V
12/16/04	03:20:39	INFO	GTCC 1 - High Voltage	Ref: 136.8 V	Actual: 134.6 V
12/16/04	03:20:39	INFO	GTCC 1 - High Voltage by 2		Actual: 48.83 V
12/16/04	03:20:39	INFO	GTCC 2 - Analog A	Ref: 1.364 V	Actual: 1.288 V
12/16/04	03:20:39	INFO	GTCC 2 - Analog B	Ref: 2.562 V	Actual: 2.544 V
12/16/04	03:20:39	INFO	GTCC 2 - Digital	Ref: 2.518 V	Actual: 2.448 V
12/16/04	03:20:39	INFO	GTCC 2 - High Voltage	Ref: 136.8 V	Actual: 135.7 V
12/16/04	03:20:39	INFO	GTCC 2 - High Voltage by 2		Actual: 50.00 V
12/16/04	03:20:39	INFO	GTCC 3 - Analog A	Ref: 1.364 V	Actual: 1.307 V
12/16/04	03:20:39	INFO	GTCC 3 - Analog B	Ref: 2.562 V	Actual: 2.554 V
12/16/04	03:20:39	INFO	GTCC 3 - Digital	Ref: 2.518 V	Actual: 2.476 V
12/16/04	03:20:39	INFO	GTCC 3 - High Voltage	Ref: 136.8 V	Actual: 135.4 V
12/16/04	03:20:39	INFO	GTCC 3 - High Voltage by 2		Actual: 48.58 V
12/16/04	03:20:39	INFO	GTCC 4 - Analog A	Ref: 1.364 V	Actual: 1.321 V
12/16/04	03:20:39	INFO	GTCC 4 - Analog B	Ref: 2.562 V	Actual: 2.556 V
12/16/04	03:20:39	INFO	GTCC 4 - Digital	Ref: 2.518 V	Actual: 2.488 V
12/16/04	03:20:39	INFO	GTCC 4 - High Voltage	Ref: 136.8 V	Actual: 135.8 V
12/16/04	03:20:39	INFO	GTCC 4 - High Voltage by 2		Actual: 49.57 V
12/16/04	03:20:39	INFO	GTCC 5 - Analog A	Ref: 1.364 V	Actual: 1.326 V
12/16/04	03:20:39	INFO	GTCC 5 - Analog B	Ref: 2.562 V	Actual: 2.556 V
12/16/04	03:20:39	INFO	GTCC 5 - Digital	Ref: 2.518 V	Actual: 2.483 V
12/16/04	03:20:39	INFO	GTCC 5 - High Voltage	Ref: 136.8 V	Actual: 135.8 V
12/16/04	03:20:39	INFO	GTCC 5 - High Voltage by 2		Actual: 52.90 V
12/16/04	03:20:39	INFO	GTCC 6 - Analog A	Ref: 1.364 V	Actual: 1.316 V
12/16/04	03:20:39	INFO	GTCC 6 - Analog B	Ref: 2.562 V	Actual: 2.551 V
12/16/04	03:20:39	INFO	GTCC 6 - Digital	Ref: 2.518 V	Actual: 2.490 V
12/16/04	03:20:39	INFO	GTCC 6 - High Voltage	Ref: 136.8 V	Actual: 135.8 V
12/16/04	03:20:39	INFO	GTCC 6 - High Voltage by 2		Actual: 51.05 V
12/16/04	03:20:39	INFO	GTCC 7 - Analog A	Ref: 1.364 V	Actual: 1.318 V
12/16/04	03:20:39	INFO	GTCC 7 - Analog B	Ref: 2.562 V	Actual: 2.559 V
12/16/04	03:20:39	INFO	GTCC 7 - Digital	Ref: 2.518 V	Actual: 2.481 V
12/16/04	03:20:39	INFO	GTCC 7 - High Voltage	Ref: 136.8 V	Actual: 135.5 V
12/16/04	03:20:39	INFO	GTCC 7 - High Voltage by 2		Actual: 48.58 V
12/16/04	03:20:45	INFO	GCCC 0 - Analog	Ref: 3.338 V	Actual: 3.174 V
12/16/04	03:20:45	INFO	GCCC 0 - Digital	Ref: 3.280 V	Actual: 3.089 V
12/16/04	03:20:45	INFO	GCCC 0 - High Voltage	Ref: 38.16 V	Actual: 38.22 V
12/16/04	03:20:45	INFO	GCCC 1 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:20:45	INFO	GCCC 1 - Digital	Ref: 3.280 V	Actual: 3.128 V
12/16/04	03:20:45	INFO	GCCC 1 - High Voltage	Ref: 38.16 V	Actual: 39.70 V
12/16/04	03:20:45	INFO	GCCC 2 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:20:45	INFO	GCCC 2 - Digital	Ref: 3.280 V	Actual: 3.145 V
12/16/04	03:20:45	INFO	GCCC 2 - High Voltage	Ref: 38.16 V	Actual: 39.70 V
12/16/04	03:20:45	INFO	GCCC 3 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:20:45	INFO	GCCC 3 - Digital	Ref: 3.280 V	Actual: 3.164 V
12/16/04	03:20:45	INFO	GCCC 3 - High Voltage	Ref: 38.16 V	Actual: 39.52 V

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12/16/04	03:20:53	INFO	GTCC 0 - Analog A	Ref: 1.362 V	Actual: 1.277 V
12/16/04	03:20:53	INFO	GTCC 0 - Analog B	Ref: 2.560 V	Actual: 2.539 V
12/16/04	03:20:53	INFO	GTCC 0 - Digital	Ref: 2.516 V	Actual: 2.432 V
12/16/04	03:20:53	INFO	GTCC 0 - High Voltage	Ref: 138.2 V	Actual: 139.1 V
12/16/04	03:20:53	INFO	GTCC 0 - High Voltage by 2		Actual: 48.71 V
12/16/04	03:20:53	INFO	GTCC 1 - Analog A	Ref: 1.362 V	Actual: 1.284 V
12/16/04	03:20:53	INFO	GTCC 1 - Analog B	Ref: 2.560 V	Actual: 2.540 V
12/16/04	03:20:53	INFO	GTCC 1 - Digital	Ref: 2.516 V	Actual: 2.446 V
12/16/04	03:20:53	INFO	GTCC 1 - High Voltage	Ref: 138.2 V	Actual: 135.8 V
12/16/04	03:20:53	INFO	GTCC 1 - High Voltage by 2		Actual: 49.32 V
12/16/04	03:20:53	INFO	GTCC 2 - Analog A	Ref: 1.362 V	Actual: 1.282 V
12/16/04	03:20:53	INFO	GTCC 2 - Analog B	Ref: 2.560 V	Actual: 2.539 V
12/16/04	03:20:53	INFO	GTCC 2 - Digital	Ref: 2.516 V	Actual: 2.443 V
12/16/04	03:20:53	INFO	GTCC 2 - High Voltage	Ref: 138.2 V	Actual: 136.9 V
12/16/04	03:20:53	INFO	GTCC 2 - High Voltage by 2		Actual: 50.43 V
12/16/04	03:20:53	INFO	GTCC 3 - Analog A	Ref: 1.362 V	Actual: 1.302 V
12/16/04	03:20:53	INFO	GTCC 3 - Analog B	Ref: 2.560 V	Actual: 2.549 V
12/16/04	03:20:53	INFO	GTCC 3 - Digital	Ref: 2.516 V	Actual: 2.471 V
12/16/04	03:20:53	INFO	GTCC 3 - High Voltage	Ref: 138.2 V	Actual: 137.2 V
12/16/04	03:20:53	INFO	GTCC 3 - High Voltage by 2		Actual: 49.02 V
12/16/04	03:20:53	INFO	GTCC 4 - Analog A	Ref: 1.362 V	Actual: 1.316 V
12/16/04	03:20:54	INFO	GTCC 4 - Analog B	Ref: 2.560 V	Actual: 2.551 V
12/16/04	03:20:54	INFO	GTCC 4 - Digital	Ref: 2.516 V	Actual: 2.483 V
12/16/04	03:20:54	INFO	GTCC 4 - High Voltage	Ref: 138.2 V	Actual: 137.1 V
12/16/04	03:20:54	INFO	GTCC 4 - High Voltage by 2		Actual: 49.94 V
12/16/04	03:20:54	INFO	GTCC 5 - Analog A	Ref: 1.362 V	Actual: 1.323 V
12/16/04	03:20:54	INFO	GTCC 5 - Analog B	Ref: 2.560 V	Actual: 2.554 V
12/16/04	03:20:54	INFO	GTCC 5 - Digital	Ref: 2.516 V	Actual: 2.481 V
12/16/04	03:20:54	INFO	GTCC 5 - High Voltage	Ref: 138.2 V	Actual: 137.2 V
12/16/04	03:20:54	INFO	GTCC 5 - High Voltage by 2		Actual: 53.58 V
12/16/04	03:20:54	INFO	GTCC 6 - Analog A	Ref: 1.362 V	Actual: 1.313 V
12/16/04	03:20:54	INFO	GTCC 6 - Analog B	Ref: 2.560 V	Actual: 2.549 V
12/16/04	03:20:54	INFO	GTCC 6 - Digital	Ref: 2.516 V	Actual: 2.488 V
12/16/04	03:20:54	INFO	GTCC 6 - High Voltage	Ref: 138.2 V	Actual: 137.1 V
12/16/04	03:20:54	INFO	GTCC 6 - High Voltage by 2		Actual: 51.67 V
12/16/04	03:20:54	INFO	GTCC 7 - Analog A	Ref: 1.362 V	Actual: 1.313 V
12/16/04	03:20:54	INFO	GTCC 7 - Analog B	Ref: 2.560 V	Actual: 2.554 V
12/16/04	03:20:54	INFO	GTCC 7 - Digital	Ref: 2.516 V	Actual: 2.477 V
12/16/04	03:20:54	INFO	GTCC 7 - High Voltage	Ref: 138.2 V	Actual: 136.8 V
12/16/04	03:20:54	INFO	GTCC 7 - High voltage by 2		Actual: 49.02 V
12/16/04	03:20:59	INFO	GCCC 0 - Analog	Ref: 3.338 V	Actual: 3.169 V
12/16/04	03:20:59	INFO	GCCC 0 - Digital	Ref: 3.280 V	Actual: 3.086 V
12/16/04	03:20:59	INFO	GCCC 0 - High Voltage	Ref: 95.20 V	Actual: 94.46 V
12/16/04	03:20:59	INFO	GCCC 1 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:20:59	INFO	GCCC 1 - Digital	Ref: 3.280 V	Actual: 3.125 V
12/16/04	03:20:59	INFO	GCCC 1 - High Voltage	Ref: 95.20 V	Actual: 97.17 V
12/16/04	03:20:59	INFO	GCCC 2 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:20:59	INFO	GCCC 2 - Digital	Ref: 3.280 V	Actual: 3.140 V
12/16/04	03:20:59	INFO	GCCC 2 - High Voltage	Ref: 95.20 V	Actual: 96.43 V
12/16/04	03:20:59	INFO	GCCC 3 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:20:59	INFO	GCCC 3 - Digital	Ref: 3.280 V	Actual: 3.164 V

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12/16/04	03:20:59	INFO	GCCC 3 - High Voltage	Ref: 95.20 V	Actual: 95.08 V
12/16/04	03:21:08	INFO	GTCC 0 - Analog A	Ref: 1.360 V	Actual: 1.275 V
12/16/04	03:21:08	INFO	GTCC 0 - Analog B	Ref: 2.559 V	Actual: 2.537 V
12/16/04	03:21:08	INFO	GTCC 0 - Digital	Ref: 2.515 V	Actual: 2.431 V
12/16/04	03:21:08	INFO	GTCC 0 - High Voltage	Ref: 138.3 V	Actual: 139.1 V
12/16/04	03:21:08	INFO	GTCC 0 - High Voltage by 2		Actual: 48.71 V
12/16/04	03:21:08	INFO	GTCC 1 - Analog A	Ref: 1.360 V	Actual: 1.282 V
12/16/04	03:21:08	INFO	GTCC 1 - Analog B	Ref: 2.559 V	Actual: 2.539 V
12/16/04	03:21:08	INFO	GTCC 1 - Digital	Ref: 2.515 V	Actual: 2.444 V
12/16/04	03:21:08	INFO	GTCC 1 - High Voltage	Ref: 138.3 V	Actual: 135.8 V
12/16/04	03:21:08	INFO	GTCC 1 - High Voltage by 2		Actual: 49.39 V
12/16/04	03:21:08	INFO	GTCC 2 - Analog A	Ref: 1.360 V	Actual: 1.280 V
12/16/04	03:21:08	INFO	GTCC 2 - Analog B	Ref: 2.559 V	Actual: 2.539 V
12/16/04	03:21:08	INFO	GTCC 2 - Digital	Ref: 2.515 V	Actual: 2.442 V
12/16/04	03:21:08	INFO	GTCC 2 - High Voltage	Ref: 138.3 V	Actual: 137.0 V
12/16/04	03:21:08	INFO	GTCC 2 - High Voltage by 2		Actual: 50.50 V
12/16/04	03:21:08	INFO	GTCC 3 - Analog A	Ref: 1.360 V	Actual: 1.301 V
12/16/04	03:21:08	INFO	GTCC 3 - Analog B	Ref: 2.559 V	Actual: 2.549 V
12/16/04	03:21:08	INFO	GTCC 3 - Digital	Ref: 2.515 V	Actual: 2.470 V
12/16/04	03:21:08	INFO	GTCC 3 - High Voltage	Ref: 138.3 V	Actual: 136.8 V
12/16/04	03:21:08	INFO	GTCC 3 - High Voltage by 2		Actual: 49.08 V
12/16/04	03:21:08	INFO	GTCC 4 - Analog A	Ref: 1.360 V	Actual: 1.315 V
12/16/04	03:21:08	INFO	GTCC 4 - Analog B	Ref: 2.559 V	Actual: 2.550 V
12/16/04	03:21:08	INFO	GTCC 4 - Digital	Ref: 2.515 V	Actual: 2.482 V
12/16/04	03:21:08	INFO	GTCC 4 - High Voltage	Ref: 138.3 V	Actual: 137.1 V
12/16/04	03:21:08	INFO	GTCC 4 - High Voltage by 2		Actual: 50.00 V
12/16/04	03:21:08	INFO	GTCC 5 - Analog A	Ref: 1.360 V	Actual: 1.321 V
12/16/04	03:21:08	INFO	GTCC 5 - Analog B	Ref: 2.559 V	Actual: 2.553 V
12/16/04	03:21:08	INFO	GTCC 5 - Digital	Ref: 2.515 V	Actual: 2.479 V
12/16/04	03:21:08	INFO	GTCC 5 - High Voltage	Ref: 138.3 V	Actual: 137.3 V
12/16/04	03:21:08	INFO	GTCC 5 - High Voltage by 2		Actual: 53.58 V
12/16/04	03:21:08	INFO	GTCC 6 - Analog A	Ref: 1.360 V	Actual: 1.311 V
12/16/04	03:21:08	INFO	GTCC 6 - Analog B	Ref: 2.559 V	Actual: 2.548 V
12/16/04	03:21:08	INFO	GTCC 6 - Digital	Ref: 2.515 V	Actual: 2.485 V
12/16/04	03:21:08	INFO	GTCC 6 - High Voltage	Ref: 138.3 V	Actual: 137.2 V
12/16/04	03:21:08	INFO	GTCC 6 - High Voltage by 2		Actual: 51.73 V
12/16/04	03:21:08	INFO	GTCC 7 - Analog A	Ref: 1.360 V	Actual: 1.313 V
12/16/04	03:21:08	INFO	GTCC 7 - Analog B	Ref: 2.559 V	Actual: 2.554 V
12/16/04	03:21:08	INFO	GTCC 7 - Digital	Ref: 2.515 V	Actual: 2.476 V
12/16/04	03:21:08	INFO	GTCC 7 - High Voltage	Ref: 138.3 V	Actual: 136.8 V
12/16/04	03:21:08	INFO	GTCC 7 - High Voltage by 2		Actual: 49.08 V
12/16/04	03:21:14	INFO	GCCC 0 - Analog	Ref: 3.338 V	Actual: 3.169 V
12/16/04	03:21:14	INFO	GCCC 0 - Digital	Ref: 3.279 V	Actual: 3.086 V
12/16/04	03:21:14	INFO	GCCC 0 - High Voltage	Ref: 95.32 V	Actual: 94.71 V
12/16/04	03:21:14	INFO	GCCC 1 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:21:14	INFO	GCCC 1 - Digital	Ref: 3.279 V	Actual: 3.125 V
12/16/04	03:21:14	INFO	GCCC 1 - High Voltage	Ref: 95.32 V	Actual: 97.30 V
12/16/04	03:21:14	INFO	GCCC 2 - Analog	Ref: 3.338 V	Actual: 3.203 V
12/16/04	03:21:14	INFO	GCCC 2 - Digital	Ref: 3.279 V	Actual: 3.140 V
12/16/04	03:21:14	INFO	GCCC 2 - High Voltage	Ref: 95.32 V	Actual: 96.68 V
12/16/04	03:21:14	INFO	GCCC 3 - Analog	Ref: 3.338 V	Actual: 3.203 V

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12/16/04 03:21:14	INFO	GCCC 3 - Digital	Ref: 3.279 V	Actual: 3.164 V
12/16/04 03:21:14	INFO	GCCC 3 - High Voltage	Ref: 95.32 V	Actual: 95.26 V
12/16/04 03:21:15	INFO	All tests successfully completed		

temFifo_20041216_032300

12/16/04 03:24:15 INFO All tests successfully completed

+55C/14MHz

basic_20041216_032430

12/16/04 03:25:21 INFO Test Over: All tests Successful

temFe_20041216_032531

12/16/04	03:25:41	INFO	GTCC 0 - Analog A	Ref: 1.335 V	Actual: 1.257 V
12/16/04	03:25:41	INFO	GTCC 0 - Analog B	Ref: 2.542 V	Actual: 2.525 V
12/16/04	03:25:41	INFO	GTCC 0 - Digital	Ref: 2.495 V	Actual: 2.416 V
12/16/04	03:25:41	INFO	GTCC 0 - High Voltage	Ref: 136.5 V	Actual: 137.9 V
12/16/04	03:25:41	INFO	GTCC 0 - High Voltage by 2		Actual: 48.21 V
12/16/04	03:25:41	INFO	GTCC 1 - Analog A	Ref: 1.335 V	Actual: 1.262 V
12/16/04	03:25:41	INFO	GTCC 1 - Analog B	Ref: 2.542 V	Actual: 2.527 V
12/16/04	03:25:41	INFO	GTCC 1 - Digital	Ref: 2.495 V	Actual: 2.428 V
12/16/04	03:25:41	INFO	GTCC 1 - High Voltage	Ref: 136.5 V	Actual: 134.6 V
12/16/04	03:25:41	INFO	GTCC 1 - High Voltage by 2		Actual: 48.77 V
12/16/04	03:25:41	INFO	GTCC 2 - Analog A	Ref: 1.335 V	Actual: 1.262 V
12/16/04	03:25:41	INFO	GTCC 2 - Analog B	Ref: 2.542 V	Actual: 2.526 V
12/16/04	03:25:41	INFO	GTCC 2 - Digital	Ref: 2.495 V	Actual: 2.427 V
12/16/04	03:25:41	INFO	GTCC 2 - High Voltage	Ref: 136.5 V	Actual: 135.8 V
12/16/04	03:25:41	INFO	GTCC 2 - High Voltage by 2		Actual: 49.94 V
12/16/04	03:25:41	INFO	GTCC 3 - Analog A	Ref: 1.335 V	Actual: 1.282 V
12/16/04	03:25:41	INFO	GTCC 3 - Analog B	Ref: 2.542 V	Actual: 2.536 V
12/16/04	03:25:41	INFO	GTCC 3 - Digital	Ref: 2.495 V	Actual: 2.454 V
12/16/04	03:25:41	INFO	GTCC 3 - High Voltage	Ref: 136.5 V	Actual: 135.5 V
12/16/04	03:25:41	INFO	GTCC 3 - High Voltage by 2		Actual: 48.46 V
12/16/04	03:25:41	INFO	GTCC 4 - Analog A	Ref: 1.335 V	Actual: 1.295 V
12/16/04	03:25:41	INFO	GTCC 4 - Analog B	Ref: 2.542 V	Actual: 2.539 V
12/16/04	03:25:41	INFO	GTCC 4 - Digital	Ref: 2.495 V	Actual: 2.468 V
12/16/04	03:25:41	INFO	GTCC 4 - High Voltage	Ref: 136.5 V	Actual: 136.0 V
12/16/04	03:25:41	INFO	GTCC 4 - High Voltage by 2		Actual: 49.45 V
12/16/04	03:25:41	INFO	GTCC 5 - Analog A	Ref: 1.335 V	Actual: 1.299 V
12/16/04	03:25:41	INFO	GTCC 5 - Analog B	Ref: 2.542 V	Actual: 2.539 V
12/16/04	03:25:41	INFO	GTCC 5 - Digital	Ref: 2.495 V	Actual: 2.461 V
12/16/04	03:25:41	INFO	GTCC 5 - High Voltage	Ref: 136.5 V	Actual: 135.8 V
12/16/04	03:25:41	INFO	GTCC 5 - High Voltage by 2		Actual: 52.78 V
12/16/04	03:25:41	INFO	GTCC 6 - Analog A	Ref: 1.335 V	Actual: 1.289 V
12/16/04	03:25:41	INFO	GTCC 6 - Analog B	Ref: 2.542 V	Actual: 2.532 V
12/16/04	03:25:41	INFO	GTCC 6 - Digital	Ref: 2.495 V	Actual: 2.467 V
12/16/04	03:25:41	INFO	GTCC 6 - High Voltage	Ref: 136.5 V	Actual: 135.7 V
12/16/04	03:25:41	INFO	GTCC 6 - High Voltage by 2		Actual: 50.93 V
12/16/04	03:25:41	INFO	GTCC 7 - Analog A	Ref: 1.335 V	Actual: 1.291 V
12/16/04	03:25:41	INFO	GTCC 7 - Analog B	Ref: 2.542 V	Actual: 2.540 V
12/16/04	03:25:41	INFO	GTCC 7 - Digital	Ref: 2.495 V	Actual: 2.459 V
12/16/04	03:25:41	INFO	GTCC 7 - High Voltage	Ref: 136.5 V	Actual: 135.5 V
12/16/04	03:25:41	INFO	GTCC 7 - High Voltage by 2		Actual: 48.46 V
12/16/04	03:25:47	INFO	GCCC 0 - Analog	Ref: 3.333 V	Actual: 3.169 V
12/16/04	03:25:47	INFO	GCCC 0 - Digital	Ref: 3.273 V	Actual: 3.086 V
12/16/04	03:25:47	INFO	GCCC 0 - High Voltage	Ref: 37.98 V	Actual: 38.22 V
12/16/04	03:25:47	INFO	GCCC 1 - Analog	Ref: 3.333 V	Actual: 3.203 V
12/16/04	03:25:47	INFO	GCCC 1 - Digital	Ref: 3.273 V	Actual: 3.125 V
12/16/04	03:25:47	INFO	GCCC 1 - High Voltage	Ref: 37.98 V	Actual: 39.64 V
12/16/04	03:25:47	INFO	GCCC 2 - Analog	Ref: 3.333 V	Actual: 3.194 V
12/16/04	03:25:47	INFO	GCCC 2 - Digital	Ref: 3.273 V	Actual: 3.135 V
12/16/04	03:25:47	INFO	GCCC 2 - High Voltage	Ref: 37.98 V	Actual: 39.58 V
12/16/04	03:25:47	INFO	GCCC 3 - Analog	Ref: 3.333 V	Actual: 3.194 V
12/16/04	03:25:47	INFO	GCCC 3 - Digital	Ref: 3.273 V	Actual: 3.159 V
12/16/04	03:25:47	INFO	GCCC 3 - High Voltage	Ref: 37.98 V	Actual: 39.46 V

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12/16/04	03:25:56	INFO	GTCC 0 - Analog A	Ref: 1.335 V	Actual: 1.255 V
12/16/04	03:25:56	INFO	GTCC 0 - Analog B	Ref: 2.541 V	Actual: 2.523 V
12/16/04	03:25:56	INFO	GTCC 0 - Digital	Ref: 2.493 V	Actual: 2.415 V
12/16/04	03:25:56	INFO	GTCC 0 - High Voltage	Ref: 138.3 V	Actual: 139.7 V
12/16/04	03:25:56	INFO	GTCC 0 - High Voltage by 2		Actual: 48.95 V
12/16/04	03:25:56	INFO	GTCC 1 - Analog A	Ref: 1.335 V	Actual: 1.260 V
12/16/04	03:25:56	INFO	GTCC 1 - Analog B	Ref: 2.541 V	Actual: 2.526 V
12/16/04	03:25:56	INFO	GTCC 1 - Digital	Ref: 2.493 V	Actual: 2.427 V
12/16/04	03:25:56	INFO	GTCC 1 - High Voltage	Ref: 138.3 V	Actual: 136.3 V
12/16/04	03:25:56	INFO	GTCC 1 - High Voltage by 2		Actual: 49.51 V
12/16/04	03:25:56	INFO	GTCC 2 - Analog A	Ref: 1.335 V	Actual: 1.260 V
12/16/04	03:25:56	INFO	GTCC 2 - Analog B	Ref: 2.541 V	Actual: 2.525 V
12/16/04	03:25:56	INFO	GTCC 2 - Digital	Ref: 2.493 V	Actual: 2.424 V
12/16/04	03:25:56	INFO	GTCC 2 - High Voltage	Ref: 138.3 V	Actual: 137.6 V
12/16/04	03:25:56	INFO	GTCC 2 - High Voltage by 2		Actual: 50.68 V
12/16/04	03:25:56	INFO	GTCC 3 - Analog A	Ref: 1.335 V	Actual: 1.279 V
12/16/04	03:25:56	INFO	GTCC 3 - Analog B	Ref: 2.541 V	Actual: 2.534 V
12/16/04	03:25:56	INFO	GTCC 3 - Digital	Ref: 2.493 V	Actual: 2.452 V
12/16/04	03:25:56	INFO	GTCC 3 - High Voltage	Ref: 138.3 V	Actual: 137.2 V
12/16/04	03:25:56	INFO	GTCC 3 - High Voltage by 2		Actual: 49.26 V
12/16/04	03:25:56	INFO	GTCC 4 - Analog A	Ref: 1.335 V	Actual: 1.294 V
12/16/04	03:25:56	INFO	GTCC 4 - Analog B	Ref: 2.541 V	Actual: 2.539 V
12/16/04	03:25:56	INFO	GTCC 4 - Digital	Ref: 2.493 V	Actual: 2.466 V
12/16/04	03:25:56	INFO	GTCC 4 - High Voltage	Ref: 138.3 V	Actual: 137.6 V
12/16/04	03:25:56	INFO	GTCC 4 - High Voltage by 2		Actual: 50.19 V
12/16/04	03:25:56	INFO	GTCC 5 - Analog A	Ref: 1.335 V	Actual: 1.296 V
12/16/04	03:25:56	INFO	GTCC 5 - Analog B	Ref: 2.541 V	Actual: 2.537 V
12/16/04	03:25:56	INFO	GTCC 5 - Digital	Ref: 2.493 V	Actual: 2.461 V
12/16/04	03:25:56	INFO	GTCC 5 - High Voltage	Ref: 138.3 V	Actual: 137.6 V
12/16/04	03:25:56	INFO	GTCC 5 - High Voltage by 2		Actual: 53.58 V
12/16/04	03:25:56	INFO	GTCC 6 - Analog A	Ref: 1.335 V	Actual: 1.288 V
12/16/04	03:25:56	INFO	GTCC 6 - Analog B	Ref: 2.541 V	Actual: 2.531 V
12/16/04	03:25:56	INFO	GTCC 6 - Digital	Ref: 2.493 V	Actual: 2.466 V
12/16/04	03:25:56	INFO	GTCC 6 - High Voltage	Ref: 138.3 V	Actual: 137.5 V
12/16/04	03:25:56	INFO	GTCC 6 - High Voltage by 2		Actual: 51.67 V
12/16/04	03:25:56	INFO	GTCC 7 - Analog A	Ref: 1.335 V	Actual: 1.290 V
12/16/04	03:25:56	INFO	GTCC 7 - Analog B	Ref: 2.541 V	Actual: 2.539 V
12/16/04	03:25:56	INFO	GTCC 7 - Digital	Ref: 2.493 V	Actual: 2.459 V
12/16/04	03:25:56	INFO	GTCC 7 - High Voltage	Ref: 138.3 V	Actual: 137.2 V
12/16/04	03:25:56	INFO	GTCC 7 - High Voltage by 2		Actual: 49.20 V
12/16/04	03:26:01	INFO	GCCC 0 - Analog	Ref: 3.333 V	Actual: 3.167 V
12/16/04	03:26:01	INFO	GCCC 0 - Digital	Ref: 3.273 V	Actual: 3.081 V
12/16/04	03:26:01	INFO	GCCC 0 - High Voltage	Ref: 96.93 V	Actual: 96.68 V
12/16/04	03:26:01	INFO	GCCC 1 - Analog	Ref: 3.333 V	Actual: 3.203 V
12/16/04	03:26:01	INFO	GCCC 1 - Digital	Ref: 3.273 V	Actual: 3.125 V
12/16/04	03:26:01	INFO	GCCC 1 - High Voltage	Ref: 96.93 V	Actual: 99.27 V
12/16/04	03:26:01	INFO	GCCC 2 - Analog	Ref: 3.333 V	Actual: 3.194 V
12/16/04	03:26:01	INFO	GCCC 2 - Digital	Ref: 3.273 V	Actual: 3.133 V
12/16/04	03:26:01	INFO	GCCC 2 - High Voltage	Ref: 96.93 V	Actual: 98.28 V
12/16/04	03:26:01	INFO	GCCC 3 - Analog	Ref: 3.333 V	Actual: 3.194 V
12/16/04	03:26:01	INFO	GCCC 3 - Digital	Ref: 3.273 V	Actual: 3.159 V

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12/16/04	03:26:01	INFO	GCCC 3 - High Voltage	Ref: 96.93 V	Actual: 97.17 V
12/16/04	03:26:10	INFO	GTCC 0 - Analog A	Ref: 1.333 V	Actual: 1.255 V
12/16/04	03:26:10	INFO	GTCC 0 - Analog B	Ref: 2.540 V	Actual: 2.523 V
12/16/04	03:26:10	INFO	GTCC 0 - Digital	Ref: 2.492 V	Actual: 2.413 V
12/16/04	03:26:10	INFO	GTCC 0 - High Voltage	Ref: 138.3 V	Actual: 139.7 V
12/16/04	03:26:10	INFO	GTCC 0 - High Voltage by 2		Actual: 49.02 V
12/16/04	03:26:10	INFO	GTCC 1 - Analog A	Ref: 1.333 V	Actual: 1.260 V
12/16/04	03:26:10	INFO	GTCC 1 - Analog B	Ref: 2.540 V	Actual: 2.525 V
12/16/04	03:26:10	INFO	GTCC 1 - Digital	Ref: 2.492 V	Actual: 2.427 V
12/16/04	03:26:10	INFO	GTCC 1 - High Voltage	Ref: 138.3 V	Actual: 136.3 V
12/16/04	03:26:10	INFO	GTCC 1 - High Voltage by 2		Actual: 49.57 V
12/16/04	03:26:10	INFO	GTCC 2 - Analog A	Ref: 1.333 V	Actual: 1.260 V
12/16/04	03:26:10	INFO	GTCC 2 - Analog B	Ref: 2.540 V	Actual: 2.525 V
12/16/04	03:26:10	INFO	GTCC 2 - Digital	Ref: 2.492 V	Actual: 2.424 V
12/16/04	03:26:10	INFO	GTCC 2 - High Voltage	Ref: 138.3 V	Actual: 137.6 V
12/16/04	03:26:10	INFO	GTCC 2 - High Voltage by 2		Actual: 50.74 V
12/16/04	03:26:10	INFO	GTCC 3 - Analog A	Ref: 1.333 V	Actual: 1.279 V
12/16/04	03:26:10	INFO	GTCC 3 - Analog B	Ref: 2.540 V	Actual: 2.534 V
12/16/04	03:26:10	INFO	GTCC 3 - Digital	Ref: 2.492 V	Actual: 2.451 V
12/16/04	03:26:10	INFO	GTCC 3 - High Voltage	Ref: 138.3 V	Actual: 137.3 V
12/16/04	03:26:10	INFO	GTCC 3 - High Voltage by 2		Actual: 49.26 V
12/16/04	03:26:10	INFO	GTCC 4 - Analog A	Ref: 1.333 V	Actual: 1.293 V
12/16/04	03:26:10	INFO	GTCC 4 - Analog B	Ref: 2.540 V	Actual: 2.537 V
12/16/04	03:26:10	INFO	GTCC 4 - Digital	Ref: 2.492 V	Actual: 2.466 V
12/16/04	03:26:10	INFO	GTCC 4 - High Voltage	Ref: 138.3 V	Actual: 137.7 V
12/16/04	03:26:10	INFO	GTCC 4 - High Voltage by 2		Actual: 50.25 V
12/16/04	03:26:10	INFO	GTCC 5 - Analog A	Ref: 1.333 V	Actual: 1.296 V
12/16/04	03:26:10	INFO	GTCC 5 - Analog B	Ref: 2.540 V	Actual: 2.537 V
12/16/04	03:26:10	INFO	GTCC 5 - Digital	Ref: 2.492 V	Actual: 2.461 V
12/16/04	03:26:10	INFO	GTCC 5 - High Voltage	Ref: 138.3 V	Actual: 137.6 V
12/16/04	03:26:10	INFO	GTCC 5 - High Voltage by 2		Actual: 53.64 V
12/16/04	03:26:10	INFO	GTCC 6 - Analog A	Ref: 1.333 V	Actual: 1.286 V
12/16/04	03:26:10	INFO	GTCC 6 - Analog B	Ref: 2.540 V	Actual: 2.531 V
12/16/04	03:26:10	INFO	GTCC 6 - Digital	Ref: 2.492 V	Actual: 2.466 V
12/16/04	03:26:10	INFO	GTCC 6 - High Voltage	Ref: 138.3 V	Actual: 137.5 V
12/16/04	03:26:10	INFO	GTCC 6 - High Voltage by 2		Actual: 51.73 V
12/16/04	03:26:10	INFO	GTCC 7 - Analog A	Ref: 1.333 V	Actual: 1.289 V
12/16/04	03:26:10	INFO	GTCC 7 - Analog B	Ref: 2.540 V	Actual: 2.539 V
12/16/04	03:26:10	INFO	GTCC 7 - Digital	Ref: 2.492 V	Actual: 2.457 V
12/16/04	03:26:10	INFO	GTCC 7 - High Voltage	Ref: 138.3 V	Actual: 137.3 V
12/16/04	03:26:10	INFO	GTCC 7 - High Voltage by 2		Actual: 49.20 V
12/16/04	03:26:16	INFO	GCCC 0 - Analog	Ref: 3.332 V	Actual: 3.167 V
12/16/04	03:26:16	INFO	GCCC 0 - Digital	Ref: 3.273 V	Actual: 3.081 V
12/16/04	03:26:16	INFO	GCCC 0 - High Voltage	Ref: 96.99 V	Actual: 96.68 V
12/16/04	03:26:16	INFO	GCCC 1 - Analog	Ref: 3.332 V	Actual: 3.203 V
12/16/04	03:26:16	INFO	GCCC 1 - Digital	Ref: 3.273 V	Actual: 3.125 V
12/16/04	03:26:16	INFO	GCCC 1 - High Voltage	Ref: 96.99 V	Actual: 99.39 V
12/16/04	03:26:16	INFO	GCCC 2 - Analog	Ref: 3.332 V	Actual: 3.194 V
12/16/04	03:26:16	INFO	GCCC 2 - Digital	Ref: 3.273 V	Actual: 3.131 V
12/16/04	03:26:16	INFO	GCCC 2 - High Voltage	Ref: 96.99 V	Actual: 98.41 V
12/16/04	03:26:16	INFO	GCCC 3 - Analog	Ref: 3.332 V	Actual: 3.194 V

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12/16/04	03:26:16	INFO	GCCC 3 - Digital	Ref: 3.273 V	Actual: 3.159 V
12/16/04	03:26:16	INFO	GCCC 3 - High Voltage	Ref: 96.99 V	Actual: 97.17 V
12/16/04	03:26:17	INFO	All tests successfully completed		

temFifo_20041216_032635

12/16/04 03:27:50 INFO All tests successfully completed

+55°C/20MHe

basic_20041216_032807
12/16/04 03:28:55 INFO Test Over: All tests Successful

temFe_20041216_032910

12/16/04	03:29:20	INFO	GTCC 0 - Analog A	Ref: 1.325 V	Actual: 1.246 V
12/16/04	03:29:20	INFO	GTCC 0 - Analog B	Ref: 2.533 V	Actual: 2.518 V
12/16/04	03:29:20	INFO	GTCC 0 - Digital	Ref: 2.484 V	Actual: 2.407 V
12/16/04	03:29:20	INFO	GTCC 0 - High Voltage	Ref: 136.5 V	Actual: 138.1 V
12/16/04	03:29:20	INFO	GTCC 0 - High Voltage by 2		Actual: 48.21 V
12/16/04	03:29:20	INFO	GTCC 1 - Analog A	Ref: 1.325 V	Actual: 1.251 V
12/16/04	03:29:20	INFO	GTCC 1 - Analog B	Ref: 2.533 V	Actual: 2.520 V
12/16/04	03:29:20	INFO	GTCC 1 - Digital	Ref: 2.484 V	Actual: 2.420 V
12/16/04	03:29:20	INFO	GTCC 1 - High Voltage	Ref: 136.5 V	Actual: 134.8 V
12/16/04	03:29:20	INFO	GTCC 1 - High Voltage by 2		Actual: 48.77 V
12/16/04	03:29:20	INFO	GTCC 2 - Analog A	Ref: 1.325 V	Actual: 1.251 V
12/16/04	03:29:20	INFO	GTCC 2 - Analog B	Ref: 2.533 V	Actual: 2.520 V
12/16/04	03:29:20	INFO	GTCC 2 - Digital	Ref: 2.484 V	Actual: 2.417 V
12/16/04	03:29:20	INFO	GTCC 2 - High Voltage	Ref: 136.5 V	Actual: 136.0 V
12/16/04	03:29:20	INFO	GTCC 2 - High Voltage by 2		Actual: 49.94 V
12/16/04	03:29:20	INFO	GTCC 3 - Analog A	Ref: 1.325 V	Actual: 1.271 V
12/16/04	03:29:20	INFO	GTCC 3 - Analog B	Ref: 2.533 V	Actual: 2.529 V
12/16/04	03:29:20	INFO	GTCC 3 - Digital	Ref: 2.484 V	Actual: 2.445 V
12/16/04	03:29:20	INFO	GTCC 3 - High Voltage	Ref: 136.5 V	Actual: 135.7 V
12/16/04	03:29:20	INFO	GTCC 3 - High Voltage by 2		Actual: 48.52 V
12/16/04	03:29:20	INFO	GTCC 4 - Analog A	Ref: 1.325 V	Actual: 1.284 V
12/16/04	03:29:20	INFO	GTCC 4 - Analog B	Ref: 2.533 V	Actual: 2.532 V
12/16/04	03:29:20	INFO	GTCC 4 - Digital	Ref: 2.484 V	Actual: 2.459 V
12/16/04	03:29:20	INFO	GTCC 4 - High Voltage	Ref: 136.5 V	Actual: 136.1 V
12/16/04	03:29:20	INFO	GTCC 4 - High Voltage by 2		Actual: 49.45 V
12/16/04	03:29:20	INFO	GTCC 5 - Analog A	Ref: 1.325 V	Actual: 1.288 V
12/16/04	03:29:20	INFO	GTCC 5 - Analog B	Ref: 2.533 V	Actual: 2.531 V
12/16/04	03:29:20	INFO	GTCC 5 - Digital	Ref: 2.484 V	Actual: 2.452 V
12/16/04	03:29:20	INFO	GTCC 5 - High Voltage	Ref: 136.5 V	Actual: 136.0 V
12/16/04	03:29:20	INFO	GTCC 5 - High Voltage by 2		Actual: 52.78 V
12/16/04	03:29:20	INFO	GTCC 6 - Analog A	Ref: 1.325 V	Actual: 1.279 V
12/16/04	03:29:20	INFO	GTCC 6 - Analog B	Ref: 2.533 V	Actual: 2.525 V
12/16/04	03:29:20	INFO	GTCC 6 - Digital	Ref: 2.484 V	Actual: 2.459 V
12/16/04	03:29:20	INFO	GTCC 6 - High Voltage	Ref: 136.5 V	Actual: 135.9 V
12/16/04	03:29:20	INFO	GTCC 6 - High voltage by 2		Actual: 50.93 V
12/16/04	03:29:20	INFO	GTCC 7 - Analog A	Ref: 1.325 V	Actual: 1.282 V
12/16/04	03:29:20	INFO	GTCC 7 - Analog B	Ref: 2.533 V	Actual: 2.534 V
12/16/04	03:29:20	INFO	GTCC 7 - Digital	Ref: 2.484 V	Actual: 2.451 V
12/16/04	03:29:20	INFO	GTCC 7 - High Voltage	Ref: 136.5 V	Actual: 135.7 V
12/16/04	03:29:20	INFO	GTCC 7 - High voltage by 2		Actual: 48.46 V
12/16/04	03:29:25	INFO	GCCC 0 - Analog	Ref: 3.332 V	Actual: 3.169 V
12/16/04	03:29:25	INFO	GCCC 0 - Digital	Ref: 3.271 V	Actual: 3.086 V
12/16/04	03:29:25	INFO	GCCC 0 - High voltage	Ref: 37.73 V	Actual: 38.04 V
12/16/04	03:29:25	INFO	GCCC 1 - Analog	Ref: 3.332 V	Actual: 3.203 V
12/16/04	03:29:25	INFO	GCCC 1 - Digital	Ref: 3.271 V	Actual: 3.125 V
12/16/04	03:29:25	INFO	GCCC 1 - High Voltage	Ref: 37.73 V	Actual: 39.46 V
12/16/04	03:29:25	INFO	GCCC 2 - Analog	Ref: 3.332 V	Actual: 3.194 V
12/16/04	03:29:25	INFO	GCCC 2 - Digital	Ref: 3.271 V	Actual: 3.131 V
12/16/04	03:29:25	INFO	GCCC 2 - High Voltage	Ref: 37.73 V	Actual: 39.33 V
12/16/04	03:29:25	INFO	GCCC 3 - Analog	Ref: 3.332 V	Actual: 3.196 V
12/16/04	03:29:25	INFO	GCCC 3 - Digital	Ref: 3.271 V	Actual: 3.164 V
12/16/04	03:29:25	INFO	GCCC 3 - High Voltage	Ref: 37.73 V	Actual: 39.21 V

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12/16/04	03:29:34	INFO	GTCC 0 - Analog A	Ref: 1.323 V	Actual: 1.245 V
12/16/04	03:29:34	INFO	GTCC 0 - Analog B	Ref: 2.532 V	Actual: 2.517 V
12/16/04	03:29:34	INFO	GTCC 0 - Digital	Ref: 2.483 V	Actual: 2.406 V
12/16/04	03:29:34	INFO	GTCC 0 - High Voltage	Ref: 138.3 V	Actual: 139.9 V
12/16/04	03:29:34	INFO	GTCC 0 - High Voltage by 2		Actual: 49.08 V
12/16/04	03:29:34	INFO	GTCC 1 - Analog A	Ref: 1.323 V	Actual: 1.249 V
12/16/04	03:29:34	INFO	GTCC 1 - Analog B	Ref: 2.532 V	Actual: 2.520 V
12/16/04	03:29:34	INFO	GTCC 1 - Digital	Ref: 2.483 V	Actual: 2.420 V
12/16/04	03:29:34	INFO	GTCC 1 - High Voltage	Ref: 138.3 V	Actual: 136.6 V
12/16/04	03:29:34	INFO	GTCC 1 - High Voltage by 2		Actual: 49.57 V
12/16/04	03:29:34	INFO	GTCC 2 - Analog A	Ref: 1.323 V	Actual: 1.249 V
12/16/04	03:29:34	INFO	GTCC 2 - Analog B	Ref: 2.532 V	Actual: 2.518 V
12/16/04	03:29:34	INFO	GTCC 2 - Digital	Ref: 2.483 V	Actual: 2.416 V
12/16/04	03:29:34	INFO	GTCC 2 - High Voltage	Ref: 138.3 V	Actual: 137.8 V
12/16/04	03:29:34	INFO	GTCC 2 - High Voltage by 2		Actual: 50.74 V
12/16/04	03:29:34	INFO	GTCC 3 - Analog A	Ref: 1.323 V	Actual: 1.269 V
12/16/04	03:29:34	INFO	GTCC 3 - Analog B	Ref: 2.532 V	Actual: 2.528 V
12/16/04	03:29:34	INFO	GTCC 3 - Digital	Ref: 2.483 V	Actual: 2.444 V
12/16/04	03:29:34	INFO	GTCC 3 - High Voltage	Ref: 138.3 V	Actual: 137.5 V
12/16/04	03:29:34	INFO	GTCC 3 - High Voltage by 2		Actual: 49.26 V
12/16/04	03:29:34	INFO	GTCC 4 - Analog A	Ref: 1.323 V	Actual: 1.283 V
12/16/04	03:29:34	INFO	GTCC 4 - Analog B	Ref: 2.532 V	Actual: 2.531 V
12/16/04	03:29:34	INFO	GTCC 4 - Digital	Ref: 2.483 V	Actual: 2.457 V
12/16/04	03:29:34	INFO	GTCC 4 - High Voltage	Ref: 138.3 V	Actual: 137.9 V
12/16/04	03:29:34	INFO	GTCC 4 - High Voltage by 2		Actual: 50.25 V
12/16/04	03:29:34	INFO	GTCC 5 - Analog A	Ref: 1.323 V	Actual: 1.286 V
12/16/04	03:29:34	INFO	GTCC 5 - Analog B	Ref: 2.532 V	Actual: 2.529 V
12/16/04	03:29:34	INFO	GTCC 5 - Digital	Ref: 2.483 V	Actual: 2.452 V
12/16/04	03:29:34	INFO	GTCC 5 - High Voltage	Ref: 138.3 V	Actual: 137.8 V
12/16/04	03:29:34	INFO	GTCC 5 - High Voltage by 2		Actual: 53.64 V
12/16/04	03:29:34	INFO	GTCC 6 - Analog A	Ref: 1.323 V	Actual: 1.278 V
12/16/04	03:29:34	INFO	GTCC 6 - Analog B	Ref: 2.532 V	Actual: 2.525 V
12/16/04	03:29:34	INFO	GTCC 6 - Digital	Ref: 2.483 V	Actual: 2.459 V
12/16/04	03:29:34	INFO	GTCC 6 - High Voltage	Ref: 138.3 V	Actual: 137.7 V
12/16/04	03:29:34	INFO	GTCC 6 - High Voltage by 2		Actual: 51.73 V
12/16/04	03:29:34	INFO	GTCC 7 - Analog A	Ref: 1.323 V	Actual: 1.280 V
12/16/04	03:29:34	INFO	GTCC 7 - Analog B	Ref: 2.532 V	Actual: 2.533 V
12/16/04	03:29:34	INFO	GTCC 7 - Digital	Ref: 2.483 V	Actual: 2.450 V
12/16/04	03:29:34	INFO	GTCC 7 - High Voltage	Ref: 138.3 V	Actual: 137.5 V
12/16/04	03:29:34	INFO	GTCC 7 - High Voltage by 2		Actual: 49.20 V
12/16/04	03:29:40	INFO	GCCC 0 - Analog	Ref: 3.330 V	Actual: 3.169 V
12/16/04	03:29:40	INFO	GCCC 0 - Digital	Ref: 3.269 V	Actual: 3.081 V
12/16/04	03:29:40	INFO	GCCC 0 - High Voltage	Ref: 97.67 V	Actual: 97.42 V
12/16/04	03:29:40	INFO	GCCC 1 - Analog	Ref: 3.330 V	Actual: 3.203 V
12/16/04	03:29:40	INFO	GCCC 1 - Digital	Ref: 3.269 V	Actual: 3.125 V
12/16/04	03:29:40	INFO	GCCC 1 - High Voltage	Ref: 97.67 V	Actual: 100.2 V
12/16/04	03:29:40	INFO	GCCC 2 - Analog	Ref: 3.330 V	Actual: 3.194 V
12/16/04	03:29:40	INFO	GCCC 2 - Digital	Ref: 3.269 V	Actual: 3.130 V
12/16/04	03:29:40	INFO	GCCC 2 - High Voltage	Ref: 97.67 V	Actual: 99.27 V
12/16/04	03:29:40	INFO	GCCC 3 - Analog	Ref: 3.330 V	Actual: 3.194 V
12/16/04	03:29:40	INFO	GCCC 3 - Digital	Ref: 3.269 V	Actual: 3.159 V

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12/16/04	03:29:40	INFO	GCCC 3 - High Voltage	Ref: 97.67 V	Actual: 98.16 V
12/16/04	03:29:49	INFO	GTCC 0 - Analog A	Ref: 1.323 V	Actual: 1.245 V
12/16/04	03:29:49	INFO	GTCC 0 - Analog B	Ref: 2.532 V	Actual: 2.517 V
12/16/04	03:29:49	INFO	GTCC 0 - Digital	Ref: 2.482 V	Actual: 2.405 V
12/16/04	03:29:49	INFO	GTCC 0 - High Voltage	Ref: 138.3 V	Actual: 139.9 V
12/16/04	03:29:49	INFO	GTCC 0 - High Voltage by 2		Actual: 49.08 V
12/16/04	03:29:49	INFO	GTCC 1 - Analog A	Ref: 1.323 V	Actual: 1.249 V
12/16/04	03:29:49	INFO	GTCC 1 - Analog B	Ref: 2.532 V	Actual: 2.520 V
12/16/04	03:29:49	INFO	GTCC 1 - Digital	Ref: 2.482 V	Actual: 2.418 V
12/16/04	03:29:49	INFO	GTCC 1 - High Voltage	Ref: 138.3 V	Actual: 136.7 V
12/16/04	03:29:49	INFO	GTCC 1 - High Voltage by 2		Actual: 49.57 V
12/16/04	03:29:49	INFO	GTCC 2 - Analog A	Ref: 1.323 V	Actual: 1.249 V
12/16/04	03:29:49	INFO	GTCC 2 - Analog B	Ref: 2.532 V	Actual: 2.518 V
12/16/04	03:29:49	INFO	GTCC 2 - Digital	Ref: 2.482 V	Actual: 2.416 V
12/16/04	03:29:49	INFO	GTCC 2 - High Voltage	Ref: 138.3 V	Actual: 137.9 V
12/16/04	03:29:49	INFO	GTCC 2 - High Voltage by 2		Actual: 50.80 V
12/16/04	03:29:49	INFO	GTCC 3 - Analog A	Ref: 1.323 V	Actual: 1.269 V
12/16/04	03:29:49	INFO	GTCC 3 - Analog B	Ref: 2.532 V	Actual: 2.528 V
12/16/04	03:29:49	INFO	GTCC 3 - Digital	Ref: 2.482 V	Actual: 2.444 V
12/16/04	03:29:49	INFO	GTCC 3 - High Voltage	Ref: 138.3 V	Actual: 137.6 V
12/16/04	03:29:49	INFO	GTCC 3 - High Voltage by 2		Actual: 49.32 V
12/16/04	03:29:49	INFO	GTCC 4 - Analog A	Ref: 1.323 V	Actual: 1.283 V
12/16/04	03:29:49	INFO	GTCC 4 - Analog B	Ref: 2.532 V	Actual: 2.531 V
12/16/04	03:29:49	INFO	GTCC 4 - Digital	Ref: 2.482 V	Actual: 2.457 V
12/16/04	03:29:49	INFO	GTCC 4 - High Voltage	Ref: 138.3 V	Actual: 137.9 V
12/16/04	03:29:49	INFO	GTCC 4 - High Voltage by 2		Actual: 50.31 V
12/16/04	03:29:49	INFO	GTCC 5 - Analog A	Ref: 1.323 V	Actual: 1.286 V
12/16/04	03:29:49	INFO	GTCC 5 - Analog B	Ref: 2.532 V	Actual: 2.529 V
12/16/04	03:29:49	INFO	GTCC 5 - Digital	Ref: 2.482 V	Actual: 2.451 V
12/16/04	03:29:49	INFO	GTCC 5 - High Voltage	Ref: 138.3 V	Actual: 137.8 V
12/16/04	03:29:49	INFO	GTCC 5 - High Voltage by 2		Actual: 53.64 V
12/16/04	03:29:49	INFO	GTCC 6 - Analog A	Ref: 1.323 V	Actual: 1.277 V
12/16/04	03:29:49	INFO	GTCC 6 - Analog B	Ref: 2.532 V	Actual: 2.525 V
12/16/04	03:29:49	INFO	GTCC 6 - Digital	Ref: 2.482 V	Actual: 2.457 V
12/16/04	03:29:49	INFO	GTCC 6 - High Voltage	Ref: 138.3 V	Actual: 137.7 V
12/16/04	03:29:49	INFO	GTCC 6 - High Voltage by 2		Actual: 51.79 V
12/16/04	03:29:49	INFO	GTCC 7 - Analog A	Ref: 1.323 V	Actual: 1.279 V
12/16/04	03:29:49	INFO	GTCC 7 - Analog B	Ref: 2.532 V	Actual: 2.532 V
12/16/04	03:29:49	INFO	GTCC 7 - Digital	Ref: 2.482 V	Actual: 2.449 V
12/16/04	03:29:49	INFO	GTCC 7 - High Voltage	Ref: 138.3 V	Actual: 137.5 V
12/16/04	03:29:49	INFO	GTCC 7 - High Voltage by 2		Actual: 49.26 V
12/16/04	03:29:55	INFO	GCCC 0 - Analog	Ref: 3.330 V	Actual: 3.169 V
12/16/04	03:29:55	INFO	GCCC 0 - Digital	Ref: 3.271 V	Actual: 3.081 V
12/16/04	03:29:55	INFO	GCCC 0 - High Voltage	Ref: 97.73 V	Actual: 97.54 V
12/16/04	03:29:55	INFO	GCCC 1 - Analog	Ref: 3.330 V	Actual: 3.203 V
12/16/04	03:29:55	INFO	GCCC 1 - Digital	Ref: 3.271 V	Actual: 3.125 V
12/16/04	03:29:55	INFO	GCCC 1 - High Voltage	Ref: 97.73 V	Actual: 100.2 V
12/16/04	03:29:55	INFO	GCCC 2 - Analog	Ref: 3.330 V	Actual: 3.194 V
12/16/04	03:29:55	INFO	GCCC 2 - Digital	Ref: 3.271 V	Actual: 3.130 V
12/16/04	03:29:55	INFO	GCCC 2 - High Voltage	Ref: 97.73 V	Actual: 99.39 V
12/16/04	03:29:55	INFO	GCCC 3 - Analog	Ref: 3.330 V	Actual: 3.194 V

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12/16/04 03:29:55 INFO GCCC 3 - Digital Ref: 3.271 V Actual: 3.159 V
12/16/04 03:29:55 INFO GCCC 3 - High Voltage Ref: 97.73 V Actual: 98.16 V

12/16/04 03:29:56 INFO All tests successfully completed

temFifo_20041216_033011

12/16/04 03:31:25 INFO All tests successfully completed

bias_0386_612_20041216_030720

03:07:20 no input file used for cal in this mode; use default slope 1.000000 and
intercept 0.000000
03:07:20 no input file used for tkr in this mode; use default slope 1.000000 and
intercept 0.000000
03:07:20 reading input file
V:\GLAST\Electronics\TEMPROD\TpsCalibTest\data\tps_0386_612_20041215_105942.csv
03:07:20 using slope 65.658863 and intercept -0.122454
03:07:25

--- Testing Low Range ---

03:07:25 Pdu TEM voltage 0: Raw 2363 Calibrated 2.885 v: tolerance 2.7-3.0 v
result: ok
03:07:25 Pdu TEM voltage 1: Raw 2362 Calibrated 2.884 v: tolerance 2.7-3.0 v
result: ok
03:07:25 TEM : Raw 2367 Calibrated 2.890 v: tolerance 2.7-3.0 v
result: ok
03:07:25 Cal Digital : Raw 2337 Calibrated 2.853 v: tolerance 2.7-3.0 v
result: ok
03:07:25 Cal Analog : Raw 2375 Calibrated 2.899 v: tolerance 2.7-3.0 v
result: ok
03:07:25 Tkr Digital : Raw 2322 Calibrated 2.126 v: tolerance 2.0-2.2 v
result: ok
03:07:25 Tkr Analog A : Raw 1539 Calibrated 1.179 v: tolerance 1.0-1.35 v
result: ok
03:07:25 Tkr Analog B : Raw 2359 Calibrated 2.160 v: tolerance 1.9-2.3 v
result: ok
03:07:25 Cal Bias 1 : Raw 416 Calibrated 25.70 v: tolerance 24.0-27.0
V result: ok
03:07:25 Cal Bias 0 : Raw 14 Calibrated 0.924 v: tolerance 0.0-1.999
V result: ok
03:07:25 Cal Bias Current : Calibrated 0.004858 A: tolerance
0.004-0.006 A result: ok
03:07:25 Tkr Bias 1 : Raw 416 Calibrated 25.68 v: tolerance 24.0-27.0
V result: ok
03:07:25 Tkr Bias 0 : Raw 13 Calibrated 0.861 v: tolerance 0.0-2.0 v
result: ok
03:07:25 Tkr Bias Current : Calibrated 0.004866 A: tolerance
0.004-0.006 A result: ok
03:07:25 Tower 28V V1 : Raw 3423 Calibrated 27.63 v: tolerance 26.0-28.0
V result: ok
03:07:25 Tower 28V V2 : Raw 3446 Calibrated 27.82 v: tolerance 26.0-28.0
V result: ok
03:07:25 Current calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$
03:07:25 Tower Current : Calibrated 0.80426 A: tolerance 0.6-0.9 A
result: ok
03:07:30

--- Testing High Range ---

03:07:30 Pdu TEM voltage 0: Raw 2919 Calibrated 3.564 v: tolerance 3.5-3.7 v
result: ok
03:07:30 Pdu TEM voltage 1: Raw 2930 Calibrated 3.577 v: tolerance 3.5-3.7 v
result: ok
03:07:30 TEM : Raw 2930 Calibrated 3.577 v: tolerance 3.5-3.7 v
result: ok
03:07:30 Cal Digital : Raw 3061 Calibrated 3.737 v: tolerance 3.6-4.0 v
result: ok
03:07:30 Cal Analog : Raw 3108 Calibrated 3.794 v: tolerance 3.6-4.0 v
result: ok
03:07:30 Tkr Digital : Raw 3287 Calibrated 3.010 v: tolerance 2.9-3.1 v
result: ok
03:07:30 Tkr Analog A : Raw 2246 Calibrated 1.721 v: tolerance 1.6-1.8 v

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result: ok
 03:07:30 Tkr Analog B : Raw 3331 Calibrated 3.050 v: tolerance 2.85-3.1 v
 result: ok
 03:07:30 Cal Bias 1 : Raw 1491 Calibrated 91.98 v: tolerance 80.0-110.0
 V result: ok
 03:07:30 Cal Bias 0 : Raw 1390 Calibrated 85.74 v: tolerance 70.0-100.0
 V result: ok
 03:07:30 Cal Bias Current : Calibrated 0.001222 A: tolerance
 0.001-0.002 A result: ok
 03:07:30 Tkr Bias 1 : Raw 2586 Calibrated 159.5 v: tolerance
 145.0-165.0 V result: ok
 03:07:30 Tkr Bias 0 : Raw 2239 Calibrated 138.1 v: tolerance
 130.0-150.0 V result: ok
 03:07:30 Tkr Bias Current is 0.004196 for High test: out of tolerance range
 0.003000-0.004000
 03:07:30 Tkr Bias Current : Calibrated 0.004195 A: tolerance
 0.003-0.004 A result: high
 03:07:30 Tower 28V V1 : Raw 3372 Calibrated 27.22 v: tolerance 26.0-28.0
 V result: ok
 03:07:30 Tower 28V V2 : Raw 3410 Calibrated 27.52 v: tolerance 26.0-28.0
 V result: ok
 03:07:30 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$
 03:07:30 Tower Current : Calibrated 1.40112 A: tolerance 1.1-1.5 A
 result: ok
 03:07:34

OK
C.S

--- Testing MidRange Range ---

03:07:34 Pdu TEM voltage 0: Raw 2741 Calibrated 3.346 v: tolerance 3.25-3.45
 V result: ok
 03:07:34 Pdu TEM voltage 1: Raw 2733 Calibrated 3.336 v: tolerance 3.25-3.45
 V result: ok
 03:07:34 TEM : Raw 2743 Calibrated 3.349 v: tolerance 3.25-3.45
 V result: ok
 03:07:34 Cal Digital : Raw 2705 Calibrated 3.302 v: tolerance 3.25-3.45
 V result: ok
 03:07:34 Cal Analog : Raw 2747 Calibrated 3.354 v: tolerance 3.25-3.45
 V result: ok
 03:07:34 Tkr Digital : Raw 2811 Calibrated 2.574 v: tolerance 2.5-2.7 v
 result: ok
 03:07:34 Tkr Analog A : Raw 1894 Calibrated 1.451 v: tolerance 1.3-1.6 v
 result: ok
 03:07:34 Tkr Analog B : Raw 2853 Calibrated 2.612 v: tolerance 2.35-2.73
 V result: ok
 03:07:35 Cal Bias 1 : Raw 878 Calibrated 54.15 v: tolerance 45.0-55.0
 V result: ok
 03:07:35 Cal Bias 0 : Raw 818 Calibrated 50.44 v: tolerance 40.0-55.0
 V result: ok
 03:07:35 Cal Bias Current : Calibrated 0.000726 A: tolerance
 0.0005-0.001 A result: ok
 03:07:35 Tkr Bias 1 : Raw 1293 Calibrated 79.77 v: tolerance 70.0-85.0
 V result: ok
 03:07:35 Tkr Bias 0 : Raw 1120 Calibrated 69.06 v: tolerance 60.0-75.0
 V result: ok
 03:07:35 Tkr Bias Current is 0.002100 for MidRange test: out of tolerance range
 0.001000-0.002000
 03:07:35 Tkr Bias Current : Calibrated 0.002100 A: tolerance
 0.001-0.002 A result: high
 03:07:35 Tower 28V V1 : Raw 3399 Calibrated 27.44 v: tolerance 26.0-28.0
 V result: ok
 03:07:35 Tower 28V V2 : Raw 3429 Calibrated 27.68 v: tolerance 26.0-28.0
 V result: ok
 03:07:35 Current Calculation: $I=65.659*(2.5/4095)*(V2-V1)+-0.122$

OK
C.S

03:07:35 Tower Current
result: ok

bias_0386_612_20041216_030720
: Calibrated 1.06822 A: tolerance 0.9-1.3 A

- 40C / 23MHz

basic_20041216_024915
12/16/04 02:57:27 INFO Test over: All tests Successful

temFe_20041216_025738

12/16/04	02:57:47	INFO	GTCC 0 - Analog A	Ref: 1.410 V	Actual: 1.344 V
12/16/04	02:57:47	INFO	GTCC 0 - Analog B	Ref: 2.586 V	Actual: 2.568 V
12/16/04	02:57:47	INFO	GTCC 0 - Digital	Ref: 2.542 V	Actual: 2.476 V
12/16/04	02:57:47	INFO	GTCC 0 - High Voltage	Ref: 137.3 V	Actual: 137.5 V
12/16/04	02:57:47	INFO	GTCC 0 - High Voltage by 2		Actual: 48.71 V
12/16/04	02:57:47	INFO	GTCC 1 - Analog A	Ref: 1.410 V	Actual: 1.347 V
12/16/04	02:57:47	INFO	GTCC 1 - Analog B	Ref: 2.586 V	Actual: 2.571 V
12/16/04	02:57:47	INFO	GTCC 1 - Digital	Ref: 2.542 V	Actual: 2.487 V
12/16/04	02:57:47	INFO	GTCC 1 - High Voltage	Ref: 137.3 V	Actual: 134.2 V
12/16/04	02:57:47	INFO	GTCC 1 - High Voltage by 2		Actual: 49.32 V
12/16/04	02:57:47	INFO	GTCC 2 - Analog A	Ref: 1.410 V	Actual: 1.349 V
12/16/04	02:57:47	INFO	GTCC 2 - Analog B	Ref: 2.586 V	Actual: 2.568 V
12/16/04	02:57:47	INFO	GTCC 2 - Digital	Ref: 2.542 V	Actual: 2.485 V
12/16/04	02:57:47	INFO	GTCC 2 - High Voltage	Ref: 137.3 V	Actual: 135.4 V
12/16/04	02:57:47	INFO	GTCC 2 - High Voltage by 2		Actual: 50.43 V
12/16/04	02:57:47	INFO	GTCC 3 - Analog A	Ref: 1.410 V	Actual: 1.363 V
12/16/04	02:57:47	INFO	GTCC 3 - Analog B	Ref: 2.586 V	Actual: 2.578 V
12/16/04	02:57:47	INFO	GTCC 3 - Digital	Ref: 2.542 V	Actual: 2.506 V
12/16/04	02:57:47	INFO	GTCC 3 - High Voltage	Ref: 137.3 V	Actual: 134.9 V
12/16/04	02:57:47	INFO	GTCC 3 - High Voltage by 2		Actual: 48.95 V
12/16/04	02:57:47	INFO	GTCC 4 - Analog A	Ref: 1.410 V	Actual: 1.373 V
12/16/04	02:57:47	INFO	GTCC 4 - Analog B	Ref: 2.586 V	Actual: 2.573 V
12/16/04	02:57:47	INFO	GTCC 4 - Digital	Ref: 2.542 V	Actual: 2.512 V
12/16/04	02:57:47	INFO	GTCC 4 - High Voltage	Ref: 137.3 V	Actual: 135.2 V
12/16/04	02:57:47	INFO	GTCC 4 - High Voltage by 2		Actual: 49.88 V
12/16/04	02:57:47	INFO	GTCC 5 - Analog A	Ref: 1.410 V	Actual: 1.377 V
12/16/04	02:57:47	INFO	GTCC 5 - Analog B	Ref: 2.586 V	Actual: 2.573 V
12/16/04	02:57:47	INFO	GTCC 5 - Digital	Ref: 2.542 V	Actual: 2.503 V
12/16/04	02:57:47	INFO	GTCC 5 - High Voltage	Ref: 137.3 V	Actual: 134.9 V
12/16/04	02:57:47	INFO	GTCC 5 - High Voltage by 2		Actual: 53.21 V
12/16/04	02:57:47	INFO	GTCC 6 - Analog A	Ref: 1.410 V	Actual: 1.367 V
12/16/04	02:57:47	INFO	GTCC 6 - Analog B	Ref: 2.586 V	Actual: 2.570 V
12/16/04	02:57:47	INFO	GTCC 6 - Digital	Ref: 2.542 V	Actual: 2.512 V
12/16/04	02:57:47	INFO	GTCC 6 - High Voltage	Ref: 137.3 V	Actual: 134.9 V
12/16/04	02:57:47	INFO	GTCC 6 - High Voltage by 2		Actual: 51.36 V
12/16/04	02:57:47	INFO	GTCC 7 - Analog A	Ref: 1.410 V	Actual: 1.371 V
12/16/04	02:57:47	INFO	GTCC 7 - Analog B	Ref: 2.586 V	Actual: 2.578 V
12/16/04	02:57:47	INFO	GTCC 7 - Digital	Ref: 2.542 V	Actual: 2.505 V
12/16/04	02:57:47	INFO	GTCC 7 - High Voltage	Ref: 137.3 V	Actual: 134.7 V
12/16/04	02:57:47	INFO	GTCC 7 - High Voltage by 2		Actual: 48.83 V
12/16/04	02:57:53	INFO	GCCC 0 - Analog	Ref: 3.357 V	Actual: 3.208 V
12/16/04	02:57:53	INFO	GCCC 0 - Digital	Ref: 3.302 V	Actual: 3.135 V
12/16/04	02:57:53	INFO	GCCC 0 - High Voltage	Ref: 41.12 V	Actual: 40.94 V
12/16/04	02:57:53	INFO	GCCC 1 - Analog	Ref: 3.357 V	Actual: 3.235 V
12/16/04	02:57:53	INFO	GCCC 1 - Digital	Ref: 3.302 V	Actual: 3.164 V
12/16/04	02:57:53	INFO	GCCC 1 - High Voltage	Ref: 41.12 V	Actual: 42.42 V
12/16/04	02:57:53	INFO	GCCC 2 - Analog	Ref: 3.357 V	Actual: 3.229 V
12/16/04	02:57:53	INFO	GCCC 2 - Digital	Ref: 3.302 V	Actual: 3.174 V
12/16/04	02:57:53	INFO	GCCC 2 - High Voltage	Ref: 41.12 V	Actual: 42.29 V
12/16/04	02:57:53	INFO	GCCC 3 - Analog	Ref: 3.357 V	Actual: 3.233 V
12/16/04	02:57:53	INFO	GCCC 3 - Digital	Ref: 3.302 V	Actual: 3.189 V
12/16/04	02:57:53	INFO	GCCC 3 - High Voltage	Ref: 41.12 V	Actual: 42.05 V

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12/16/04	02:58:02	INFO	GTCC 0 - Analog A	Ref: 1.406 V	Actual: 1.339 V
12/16/04	02:58:02	INFO	GTCC 0 - Analog B	Ref: 2.581 V	Actual: 2.562 V
12/16/04	02:58:02	INFO	GTCC 0 - Digital	Ref: 2.536 V	Actual: 2.471 V
12/16/04	02:58:02	INFO	GTCC 0 - High Voltage	Ref: 138.3 V	Actual: 138.6 V
12/16/04	02:58:02	INFO	GTCC 0 - High Voltage by 2		Actual: 48.83 V
12/16/04	02:58:02	INFO	GTCC 1 - Analog A	Ref: 1.406 V	Actual: 1.343 V
12/16/04	02:58:02	INFO	GTCC 1 - Analog B	Ref: 2.581 V	Actual: 2.566 V
12/16/04	02:58:02	INFO	GTCC 1 - Digital	Ref: 2.536 V	Actual: 2.482 V
12/16/04	02:58:02	INFO	GTCC 1 - High Voltage	Ref: 138.3 V	Actual: 135.2 V
12/16/04	02:58:02	INFO	GTCC 1 - High Voltage by 2		Actual: 49.45 V
12/16/04	02:58:02	INFO	GTCC 2 - Analog A	Ref: 1.406 V	Actual: 1.344 V
12/16/04	02:58:02	INFO	GTCC 2 - Analog B	Ref: 2.581 V	Actual: 2.564 V
12/16/04	02:58:02	INFO	GTCC 2 - Digital	Ref: 2.536 V	Actual: 2.481 V
12/16/04	02:58:02	INFO	GTCC 2 - High Voltage	Ref: 138.3 V	Actual: 136.3 V
12/16/04	02:58:02	INFO	GTCC 2 - High Voltage by 2		Actual: 50.56 V
12/16/04	02:58:02	INFO	GTCC 3 - Analog A	Ref: 1.406 V	Actual: 1.358 V
12/16/04	02:58:02	INFO	GTCC 3 - Analog B	Ref: 2.581 V	Actual: 2.571 V
12/16/04	02:58:02	INFO	GTCC 3 - Digital	Ref: 2.536 V	Actual: 2.500 V
12/16/04	02:58:02	INFO	GTCC 3 - High Voltage	Ref: 138.3 V	Actual: 135.9 V
12/16/04	02:58:02	INFO	GTCC 3 - High Voltage by 2		Actual: 49.08 V
12/16/04	02:58:02	INFO	GTCC 4 - Analog A	Ref: 1.406 V	Actual: 1.368 V
12/16/04	02:58:02	INFO	GTCC 4 - Analog B	Ref: 2.581 V	Actual: 2.568 V
12/16/04	02:58:02	INFO	GTCC 4 - Digital	Ref: 2.536 V	Actual: 2.506 V
12/16/04	02:58:02	INFO	GTCC 4 - High Voltage	Ref: 138.3 V	Actual: 136.3 V
12/16/04	02:58:02	INFO	GTCC 4 - High Voltage by 2		Actual: 50.00 V
12/16/04	02:58:02	INFO	GTCC 5 - Analog A	Ref: 1.406 V	Actual: 1.371 V
12/16/04	02:58:02	INFO	GTCC 5 - Analog B	Ref: 2.581 V	Actual: 2.566 V
12/16/04	02:58:02	INFO	GTCC 5 - Digital	Ref: 2.536 V	Actual: 2.496 V
12/16/04	02:58:02	INFO	GTCC 5 - High Voltage	Ref: 138.3 V	Actual: 135.8 V
12/16/04	02:58:02	INFO	GTCC 5 - High Voltage by 2		Actual: 53.39 V
12/16/04	02:58:02	INFO	GTCC 6 - Analog A	Ref: 1.406 V	Actual: 1.362 V
12/16/04	02:58:02	INFO	GTCC 6 - Analog B	Ref: 2.581 V	Actual: 2.564 V
12/16/04	02:58:02	INFO	GTCC 6 - Digital	Ref: 2.536 V	Actual: 2.505 V
12/16/04	02:58:02	INFO	GTCC 6 - High Voltage	Ref: 138.3 V	Actual: 135.8 V
12/16/04	02:58:02	INFO	GTCC 6 - High Voltage by 2		Actual: 51.48 V
12/16/04	02:58:02	INFO	GTCC 7 - Analog A	Ref: 1.406 V	Actual: 1.367 V
12/16/04	02:58:02	INFO	GTCC 7 - Analog B	Ref: 2.581 V	Actual: 2.570 V
12/16/04	02:58:02	INFO	GTCC 7 - Digital	Ref: 2.536 V	Actual: 2.500 V
12/16/04	02:58:02	INFO	GTCC 7 - High Voltage	Ref: 138.3 V	Actual: 135.7 V
12/16/04	02:58:02	INFO	GTCC 7 - High Voltage by 2		Actual: 48.95 V
12/16/04	02:58:07	INFO	GCCC 0 - Analog	Ref: 3.347 V	Actual: 3.203 V
12/16/04	02:58:07	INFO	GCCC 0 - Digital	Ref: 3.293 V	Actual: 3.130 V
12/16/04	02:58:07	INFO	GCCC 0 - High Voltage	Ref: 93.72 V	Actual: 92.73 V
12/16/04	02:58:07	INFO	GCCC 1 - Analog	Ref: 3.347 V	Actual: 3.228 V
12/16/04	02:58:07	INFO	GCCC 1 - Digital	Ref: 3.293 V	Actual: 3.156 V
12/16/04	02:58:07	INFO	GCCC 1 - High Voltage	Ref: 93.72 V	Actual: 95.20 V
12/16/04	02:58:07	INFO	GCCC 2 - Analog	Ref: 3.347 V	Actual: 3.223 V
12/16/04	02:58:07	INFO	GCCC 2 - Digital	Ref: 3.293 V	Actual: 3.164 V
12/16/04	02:58:07	INFO	GCCC 2 - High Voltage	Ref: 93.72 V	Actual: 94.21 V
12/16/04	02:58:07	INFO	GCCC 3 - Analog	Ref: 3.347 V	Actual: 3.225 V
12/16/04	02:58:07	INFO	GCCC 3 - Digital	Ref: 3.293 V	Actual: 3.184 V

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12/16/04	02:58:07	INFO	GCCC 3 - High Voltage	Ref: 93.72 V	Actual: 93.04 V
12/16/04	02:58:16	INFO	GTCC 0 - Analog A	Ref: 1.408 V	Actual: 1.341 V
12/16/04	02:58:16	INFO	GTCC 0 - Analog B	Ref: 2.582 V	Actual: 2.564 V
12/16/04	02:58:16	INFO	GTCC 0 - Digital	Ref: 2.538 V	Actual: 2.471 V
12/16/04	02:58:16	INFO	GTCC 0 - High Voltage	Ref: 138.3 V	Actual: 138.4 V
12/16/04	02:58:16	INFO	GTCC 0 - High voltage by 2		Actual: 48.77 V
12/16/04	02:58:16	INFO	GTCC 1 - Analog A	Ref: 1.408 V	Actual: 1.345 V
12/16/04	02:58:16	INFO	GTCC 1 - Analog B	Ref: 2.582 V	Actual: 2.568 V
12/16/04	02:58:16	INFO	GTCC 1 - Digital	Ref: 2.538 V	Actual: 2.483 V
12/16/04	02:58:16	INFO	GTCC 1 - High Voltage	Ref: 138.3 V	Actual: 135.2 V
12/16/04	02:58:16	INFO	GTCC 1 - High voltage by 2		Actual: 49.39 V
12/16/04	02:58:16	INFO	GTCC 2 - Analog A	Ref: 1.408 V	Actual: 1.346 V
12/16/04	02:58:16	INFO	GTCC 2 - Analog B	Ref: 2.582 V	Actual: 2.565 V
12/16/04	02:58:16	INFO	GTCC 2 - Digital	Ref: 2.538 V	Actual: 2.481 V
12/16/04	02:58:16	INFO	GTCC 2 - High Voltage	Ref: 138.3 V	Actual: 136.3 V
12/16/04	02:58:16	INFO	GTCC 2 - High Voltage by 2		Actual: 50.56 V
12/16/04	02:58:16	INFO	GTCC 3 - Analog A	Ref: 1.408 V	Actual: 1.360 V
12/16/04	02:58:16	INFO	GTCC 3 - Analog B	Ref: 2.582 V	Actual: 2.572 V
12/16/04	02:58:16	INFO	GTCC 3 - Digital	Ref: 2.538 V	Actual: 2.503 V
12/16/04	02:58:16	INFO	GTCC 3 - High Voltage	Ref: 138.3 V	Actual: 135.9 V
12/16/04	02:58:16	INFO	GTCC 3 - High Voltage by 2		Actual: 49.14 V
12/16/04	02:58:16	INFO	GTCC 4 - Analog A	Ref: 1.408 V	Actual: 1.371 V
12/16/04	02:58:16	INFO	GTCC 4 - Analog B	Ref: 2.582 V	Actual: 2.570 V
12/16/04	02:58:16	INFO	GTCC 4 - Digital	Ref: 2.538 V	Actual: 2.507 V
12/16/04	02:58:16	INFO	GTCC 4 - High Voltage	Ref: 138.3 V	Actual: 136.3 V
12/16/04	02:58:16	INFO	GTCC 4 - High Voltage by 2		Actual: 50.00 V
12/16/04	02:58:16	INFO	GTCC 5 - Analog A	Ref: 1.408 V	Actual: 1.373 V
12/16/04	02:58:16	INFO	GTCC 5 - Analog B	Ref: 2.582 V	Actual: 2.568 V
12/16/04	02:58:16	INFO	GTCC 5 - Digital	Ref: 2.538 V	Actual: 2.498 V
12/16/04	02:58:16	INFO	GTCC 5 - High Voltage	Ref: 138.3 V	Actual: 135.8 V
12/16/04	02:58:16	INFO	GTCC 5 - High Voltage by 2		Actual: 53.39 V
12/16/04	02:58:16	INFO	GTCC 6 - Analog A	Ref: 1.408 V	Actual: 1.363 V
12/16/04	02:58:16	INFO	GTCC 6 - Analog B	Ref: 2.582 V	Actual: 2.565 V
12/16/04	02:58:16	INFO	GTCC 6 - Digital	Ref: 2.538 V	Actual: 2.507 V
12/16/04	02:58:16	INFO	GTCC 6 - High Voltage	Ref: 138.3 V	Actual: 135.8 V
12/16/04	02:58:16	INFO	GTCC 6 - High voltage by 2		Actual: 51.48 V
12/16/04	02:58:16	INFO	GTCC 7 - Analog A	Ref: 1.408 V	Actual: 1.368 V
12/16/04	02:58:16	INFO	GTCC 7 - Analog B	Ref: 2.582 V	Actual: 2.571 V
12/16/04	02:58:16	INFO	GTCC 7 - Digital	Ref: 2.538 V	Actual: 2.501 V
12/16/04	02:58:16	INFO	GTCC 7 - High Voltage	Ref: 138.3 V	Actual: 135.7 V
12/16/04	02:58:16	INFO	GTCC 7 - High voltage by 2		Actual: 48.95 V
12/16/04	02:58:22	INFO	GCCC 0 - Analog	Ref: 3.347 V	Actual: 3.203 V
12/16/04	02:58:22	INFO	GCCC 0 - Digital	Ref: 3.294 V	Actual: 3.130 V
12/16/04	02:58:22	INFO	GCCC 0 - High Voltage	Ref: 93.60 V	Actual: 92.55 V
12/16/04	02:58:22	INFO	GCCC 1 - Analog	Ref: 3.347 V	Actual: 3.228 V
12/16/04	02:58:22	INFO	GCCC 1 - Digital	Ref: 3.294 V	Actual: 3.157 V
12/16/04	02:58:22	INFO	GCCC 1 - High Voltage	Ref: 93.60 V	Actual: 95.08 V
12/16/04	02:58:22	INFO	GCCC 2 - Analog	Ref: 3.347 V	Actual: 3.223 V
12/16/04	02:58:22	INFO	GCCC 2 - Digital	Ref: 3.294 V	Actual: 3.164 V
12/16/04	02:58:22	INFO	GCCC 2 - High Voltage	Ref: 93.60 V	Actual: 94.21 V
12/16/04	02:58:22	INFO	GCCC 3 - Analog	Ref: 3.347 V	Actual: 3.225 V

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12/16/04 02:58:22 INFO GCCC 3 - Digital Ref: 3.294 V Actual: 3.184 V
12/16/04 02:58:22 INFO GCCC 3 - High Voltage Ref: 93.60 V Actual: 92.86 V
12/16/04 02:58:23 INFO All tests successfully completed

temFifo_20041216_025840

12/16/04 02:59:54 INFO All tests successfully completed

- 40°C / 14 MHz

basic_20041216_030017

12/16/04 03:01:06 INFO Test Over: All tests Successful

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12/16/04	03:01:23	INFO	GTCC 0 - Analog A	Ref: 1.431 V	Actual: 1.363 V
12/16/04	03:01:23	INFO	GTCC 0 - Analog B	Ref: 2.597 V	Actual: 2.578 V
12/16/04	03:01:23	INFO	GTCC 0 - Digital	Ref: 2.555 V	Actual: 2.490 V
12/16/04	03:01:23	INFO	GTCC 0 - High Voltage	Ref: 137.0 V	Actual: 137.1 V
12/16/04	03:01:23	INFO	GTCC 0 - High Voltage by 2		Actual: 48.34 V
12/16/04	03:01:23	INFO	GTCC 1 - Analog A	Ref: 1.431 V	Actual: 1.367 V
12/16/04	03:01:23	INFO	GTCC 1 - Analog B	Ref: 2.597 V	Actual: 2.583 V
12/16/04	03:01:23	INFO	GTCC 1 - Digital	Ref: 2.555 V	Actual: 2.503 V
12/16/04	03:01:23	INFO	GTCC 1 - High Voltage	Ref: 137.0 V	Actual: 133.9 V
12/16/04	03:01:23	INFO	GTCC 1 - High Voltage by 2		Actual: 49.02 V
12/16/04	03:01:23	INFO	GTCC 2 - Analog A	Ref: 1.431 V	Actual: 1.368 V
12/16/04	03:01:23	INFO	GTCC 2 - Analog B	Ref: 2.597 V	Actual: 2.581 V
12/16/04	03:01:23	INFO	GTCC 2 - Digital	Ref: 2.555 V	Actual: 2.500 V
12/16/04	03:01:23	INFO	GTCC 2 - High Voltage	Ref: 137.0 V	Actual: 135.0 V
12/16/04	03:01:23	INFO	GTCC 2 - High Voltage by 2		Actual: 50.06 V
12/16/04	03:01:23	INFO	GTCC 3 - Analog A	Ref: 1.431 V	Actual: 1.382 V
12/16/04	03:01:23	INFO	GTCC 3 - Analog B	Ref: 2.597 V	Actual: 2.588 V
12/16/04	03:01:23	INFO	GTCC 3 - Digital	Ref: 2.555 V	Actual: 2.520 V
12/16/04	03:01:23	INFO	GTCC 3 - High Voltage	Ref: 137.0 V	Actual: 134.5 V
12/16/04	03:01:23	INFO	GTCC 3 - High Voltage by 2		Actual: 48.58 V
12/16/04	03:01:23	INFO	GTCC 4 - Analog A	Ref: 1.431 V	Actual: 1.394 V
12/16/04	03:01:23	INFO	GTCC 4 - Analog B	Ref: 2.597 V	Actual: 2.584 V
12/16/04	03:01:23	INFO	GTCC 4 - Digital	Ref: 2.555 V	Actual: 2.525 V
12/16/04	03:01:23	INFO	GTCC 4 - High Voltage	Ref: 137.0 V	Actual: 134.9 V
12/16/04	03:01:23	INFO	GTCC 4 - High Voltage by 2		Actual: 49.51 V
12/16/04	03:01:23	INFO	GTCC 5 - Analog A	Ref: 1.431 V	Actual: 1.394 V
12/16/04	03:01:23	INFO	GTCC 5 - Analog B	Ref: 2.597 V	Actual: 2.581 V
12/16/04	03:01:23	INFO	GTCC 5 - Digital	Ref: 2.555 V	Actual: 2.515 V
12/16/04	03:01:23	INFO	GTCC 5 - High Voltage	Ref: 137.0 V	Actual: 134.4 V
12/16/04	03:01:23	INFO	GTCC 5 - High Voltage by 2		Actual: 52.84 V
12/16/04	03:01:23	INFO	GTCC 6 - Analog A	Ref: 1.431 V	Actual: 1.387 V
12/16/04	03:01:23	INFO	GTCC 6 - Analog B	Ref: 2.597 V	Actual: 2.583 V
12/16/04	03:01:23	INFO	GTCC 6 - Digital	Ref: 2.555 V	Actual: 2.525 V
12/16/04	03:01:23	INFO	GTCC 6 - High Voltage	Ref: 137.0 V	Actual: 134.5 V
12/16/04	03:01:23	INFO	GTCC 6 - High Voltage by 2		Actual: 50.93 V
12/16/04	03:01:23	INFO	GTCC 7 - Analog A	Ref: 1.431 V	Actual: 1.390 V
12/16/04	03:01:23	INFO	GTCC 7 - Analog B	Ref: 2.597 V	Actual: 2.586 V
12/16/04	03:01:23	INFO	GTCC 7 - Digital	Ref: 2.555 V	Actual: 2.520 V
12/16/04	03:01:23	INFO	GTCC 7 - High Voltage	Ref: 137.0 V	Actual: 134.2 V
12/16/04	03:01:23	INFO	GTCC 7 - High Voltage by 2		Actual: 48.52 V
12/16/04	03:01:29	INFO	GCCC 0 - Analog	Ref: 3.350 V	Actual: 3.203 V
12/16/04	03:01:29	INFO	GCCC 0 - Digital	Ref: 3.297 V	Actual: 3.135 V
12/16/04	03:01:29	INFO	GCCC 0 - High Voltage	Ref: 41.37 V	Actual: 41.31 V
12/16/04	03:01:29	INFO	GCCC 1 - Analog	Ref: 3.350 V	Actual: 3.229 V
12/16/04	03:01:29	INFO	GCCC 1 - Digital	Ref: 3.297 V	Actual: 3.164 V
12/16/04	03:01:29	INFO	GCCC 1 - High Voltage	Ref: 41.37 V	Actual: 42.73 V
12/16/04	03:01:29	INFO	GCCC 2 - Analog	Ref: 3.350 V	Actual: 3.223 V
12/16/04	03:01:29	INFO	GCCC 2 - Digital	Ref: 3.297 V	Actual: 3.167 V
12/16/04	03:01:29	INFO	GCCC 2 - High Voltage	Ref: 41.37 V	Actual: 42.60 V
12/16/04	03:01:29	INFO	GCCC 3 - Analog	Ref: 3.350 V	Actual: 3.225 V
12/16/04	03:01:29	INFO	GCCC 3 - Digital	Ref: 3.297 V	Actual: 3.184 V
12/16/04	03:01:29	INFO	GCCC 3 - High Voltage	Ref: 41.37 V	Actual: 42.29 V

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12/16/04	03:01:38	INFO	GTCC 0 - Analog A	Ref: 1.432 V	Actual: 1.363 V
12/16/04	03:01:38	INFO	GTCC 0 - Analog B	Ref: 2.598 V	Actual: 2.578 V
12/16/04	03:01:38	INFO	GTCC 0 - Digital	Ref: 2.556 V	Actual: 2.490 V
12/16/04	03:01:38	INFO	GTCC 0 - High Voltage	Ref: 138.1 V	Actual: 138.1 V
12/16/04	03:01:38	INFO	GTCC 0 - High Voltage by 2		Actual: 48.71 V
12/16/04	03:01:38	INFO	GTCC 1 - Analog A	Ref: 1.432 V	Actual: 1.367 V
12/16/04	03:01:38	INFO	GTCC 1 - Analog B	Ref: 2.598 V	Actual: 2.583 V
12/16/04	03:01:38	INFO	GTCC 1 - Digital	Ref: 2.556 V	Actual: 2.500 V
12/16/04	03:01:38	INFO	GTCC 1 - High Voltage	Ref: 138.1 V	Actual: 134.9 V
12/16/04	03:01:38	INFO	GTCC 1 - High Voltage by 2		Actual: 49.32 V
12/16/04	03:01:38	INFO	GTCC 2 - Analog A	Ref: 1.432 V	Actual: 1.368 V
12/16/04	03:01:38	INFO	GTCC 2 - Analog B	Ref: 2.598 V	Actual: 2.578 V
12/16/04	03:01:38	INFO	GTCC 2 - Digital	Ref: 2.556 V	Actual: 2.500 V
12/16/04	03:01:38	INFO	GTCC 2 - High Voltage	Ref: 138.1 V	Actual: 136.1 V
12/16/04	03:01:38	INFO	GTCC 2 - High Voltage by 2		Actual: 50.50 V
12/16/04	03:01:38	INFO	GTCC 3 - Analog A	Ref: 1.432 V	Actual: 1.382 V
12/16/04	03:01:38	INFO	GTCC 3 - Analog B	Ref: 2.598 V	Actual: 2.588 V
12/16/04	03:01:38	INFO	GTCC 3 - Digital	Ref: 2.556 V	Actual: 2.520 V
12/16/04	03:01:38	INFO	GTCC 3 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:01:38	INFO	GTCC 3 - High Voltage by 2		Actual: 49.02 V
12/16/04	03:01:38	INFO	GTCC 4 - Analog A	Ref: 1.432 V	Actual: 1.393 V
12/16/04	03:01:38	INFO	GTCC 4 - Analog B	Ref: 2.598 V	Actual: 2.584 V
12/16/04	03:01:38	INFO	GTCC 4 - Digital	Ref: 2.556 V	Actual: 2.525 V
12/16/04	03:01:38	INFO	GTCC 4 - High Voltage	Ref: 138.1 V	Actual: 136.1 V
12/16/04	03:01:38	INFO	GTCC 4 - High Voltage by 2		Actual: 49.94 V
12/16/04	03:01:38	INFO	GTCC 5 - Analog A	Ref: 1.432 V	Actual: 1.396 V
12/16/04	03:01:38	INFO	GTCC 5 - Analog B	Ref: 2.598 V	Actual: 2.581 V
12/16/04	03:01:38	INFO	GTCC 5 - Digital	Ref: 2.556 V	Actual: 2.515 V
12/16/04	03:01:38	INFO	GTCC 5 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:01:38	INFO	GTCC 5 - High Voltage by 2		Actual: 53.27 V
12/16/04	03:01:38	INFO	GTCC 6 - Analog A	Ref: 1.432 V	Actual: 1.387 V
12/16/04	03:01:38	INFO	GTCC 6 - Analog B	Ref: 2.598 V	Actual: 2.579 V
12/16/04	03:01:38	INFO	GTCC 6 - Digital	Ref: 2.556 V	Actual: 2.525 V
12/16/04	03:01:38	INFO	GTCC 6 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:01:38	INFO	GTCC 6 - High Voltage by 2		Actual: 51.42 V
12/16/04	03:01:38	INFO	GTCC 7 - Analog A	Ref: 1.432 V	Actual: 1.390 V
12/16/04	03:01:38	INFO	GTCC 7 - Analog B	Ref: 2.598 V	Actual: 2.586 V
12/16/04	03:01:38	INFO	GTCC 7 - Digital	Ref: 2.556 V	Actual: 2.520 V
12/16/04	03:01:38	INFO	GTCC 7 - High Voltage	Ref: 138.1 V	Actual: 135.4 V
12/16/04	03:01:38	INFO	GTCC 7 - High Voltage by 2		Actual: 48.89 V
12/16/04	03:01:44	INFO	GCCC 0 - Analog	Ref: 3.350 V	Actual: 3.203 V
12/16/04	03:01:44	INFO	GCCC 0 - Digital	Ref: 3.299 V	Actual: 3.131 V
12/16/04	03:01:44	INFO	GCCC 0 - High Voltage	Ref: 91.99 V	Actual: 90.82 V
12/16/04	03:01:44	INFO	GCCC 1 - Analog	Ref: 3.350 V	Actual: 3.228 V
12/16/04	03:01:44	INFO	GCCC 1 - Digital	Ref: 3.299 V	Actual: 3.159 V
12/16/04	03:01:44	INFO	GCCC 1 - High Voltage	Ref: 91.99 V	Actual: 93.29 V
12/16/04	03:01:44	INFO	GCCC 2 - Analog	Ref: 3.350 V	Actual: 3.223 V
12/16/04	03:01:44	INFO	GCCC 2 - Digital	Ref: 3.299 V	Actual: 3.167 V
12/16/04	03:01:44	INFO	GCCC 2 - High Voltage	Ref: 91.99 V	Actual: 92.42 V
12/16/04	03:01:44	INFO	GCCC 3 - Analog	Ref: 3.350 V	Actual: 3.225 V
12/16/04	03:01:44	INFO	GCCC 3 - Digital	Ref: 3.299 V	Actual: 3.184 V

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12/16/04	03:01:44	INFO	GCCC 3 - High Voltage	Ref: 91.99 V	Actual: 91.13 V
12/16/04	03:01:53	INFO	GTCC 0 - Analog A	Ref: 1.433 V	Actual: 1.365 V
12/16/04	03:01:53	INFO	GTCC 0 - Analog B	Ref: 2.598 V	Actual: 2.578 V
12/16/04	03:01:53	INFO	GTCC 0 - Digital	Ref: 2.557 V	Actual: 2.490 V
12/16/04	03:01:53	INFO	GTCC 0 - High Voltage	Ref: 138.1 V	Actual: 138.1 V
12/16/04	03:01:53	INFO	GTCC 0 - High Voltage by 2		Actual: 48.65 V
12/16/04	03:01:53	INFO	GTCC 1 - Analog A	Ref: 1.433 V	Actual: 1.368 V
12/16/04	03:01:53	INFO	GTCC 1 - Analog B	Ref: 2.598 V	Actual: 2.583 V
12/16/04	03:01:53	INFO	GTCC 1 - Digital	Ref: 2.557 V	Actual: 2.501 V
12/16/04	03:01:53	INFO	GTCC 1 - High Voltage	Ref: 138.1 V	Actual: 134.9 V
12/16/04	03:01:53	INFO	GTCC 1 - High Voltage by 2		Actual: 49.32 V
12/16/04	03:01:53	INFO	GTCC 2 - Analog A	Ref: 1.433 V	Actual: 1.369 V
12/16/04	03:01:53	INFO	GTCC 2 - Analog B	Ref: 2.598 V	Actual: 2.579 V
12/16/04	03:01:53	INFO	GTCC 2 - Digital	Ref: 2.557 V	Actual: 2.500 V
12/16/04	03:01:53	INFO	GTCC 2 - High Voltage	Ref: 138.1 V	Actual: 136.1 V
12/16/04	03:01:53	INFO	GTCC 2 - High Voltage by 2		Actual: 50.50 V
12/16/04	03:01:53	INFO	GTCC 3 - Analog A	Ref: 1.433 V	Actual: 1.384 V
12/16/04	03:01:53	INFO	GTCC 3 - Analog B	Ref: 2.598 V	Actual: 2.588 V
12/16/04	03:01:53	INFO	GTCC 3 - Digital	Ref: 2.557 V	Actual: 2.520 V
12/16/04	03:01:53	INFO	GTCC 3 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:01:53	INFO	GTCC 3 - High Voltage by 2		Actual: 49.02 V
12/16/04	03:01:53	INFO	GTCC 4 - Analog A	Ref: 1.433 V	Actual: 1.394 V
12/16/04	03:01:53	INFO	GTCC 4 - Analog B	Ref: 2.598 V	Actual: 2.586 V
12/16/04	03:01:53	INFO	GTCC 4 - Digital	Ref: 2.557 V	Actual: 2.527 V
12/16/04	03:01:53	INFO	GTCC 4 - High Voltage	Ref: 138.1 V	Actual: 136.1 V
12/16/04	03:01:53	INFO	GTCC 4 - High Voltage by 2		Actual: 49.94 V
12/16/04	03:01:53	INFO	GTCC 5 - Analog A	Ref: 1.433 V	Actual: 1.396 V
12/16/04	03:01:53	INFO	GTCC 5 - Analog B	Ref: 2.598 V	Actual: 2.583 V
12/16/04	03:01:53	INFO	GTCC 5 - Digital	Ref: 2.557 V	Actual: 2.515 V
12/16/04	03:01:53	INFO	GTCC 5 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:01:53	INFO	GTCC 5 - High Voltage by 2		Actual: 53.27 V
12/16/04	03:01:53	INFO	GTCC 6 - Analog A	Ref: 1.433 V	Actual: 1.387 V
12/16/04	03:01:53	INFO	GTCC 6 - Analog B	Ref: 2.598 V	Actual: 2.581 V
12/16/04	03:01:53	INFO	GTCC 6 - Digital	Ref: 2.557 V	Actual: 2.525 V
12/16/04	03:01:53	INFO	GTCC 6 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:01:53	INFO	GTCC 6 - High Voltage by 2		Actual: 51.42 V
12/16/04	03:01:53	INFO	GTCC 7 - Analog A	Ref: 1.433 V	Actual: 1.391 V
12/16/04	03:01:53	INFO	GTCC 7 - Analog B	Ref: 2.598 V	Actual: 2.588 V
12/16/04	03:01:53	INFO	GTCC 7 - Digital	Ref: 2.557 V	Actual: 2.520 V
12/16/04	03:01:53	INFO	GTCC 7 - High Voltage	Ref: 138.1 V	Actual: 135.4 V
12/16/04	03:01:53	INFO	GTCC 7 - High Voltage by 2		Actual: 48.89 V
12/16/04	03:01:59	INFO	GCCC 0 - Analog	Ref: 3.351 V	Actual: 3.203 V
12/16/04	03:01:59	INFO	GCCC 0 - Digital	Ref: 3.299 V	Actual: 3.133 V
12/16/04	03:01:59	INFO	GCCC 0 - High Voltage	Ref: 91.93 V	Actual: 90.76 V
12/16/04	03:01:59	INFO	GCCC 1 - Analog	Ref: 3.351 V	Actual: 3.228 V
12/16/04	03:01:59	INFO	GCCC 1 - Digital	Ref: 3.299 V	Actual: 3.159 V
12/16/04	03:01:59	INFO	GCCC 1 - High Voltage	Ref: 91.93 V	Actual: 93.23 V
12/16/04	03:01:59	INFO	GCCC 2 - Analog	Ref: 3.351 V	Actual: 3.223 V
12/16/04	03:01:59	INFO	GCCC 2 - Digital	Ref: 3.299 V	Actual: 3.167 V
12/16/04	03:01:59	INFO	GCCC 2 - High Voltage	Ref: 91.93 V	Actual: 92.30 V
12/16/04	03:01:59	INFO	GCCC 3 - Analog	Ref: 3.351 V	Actual: 3.225 V

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12/16/04 03:01:59 INFO GCCC 3 - Digital Ref: 3.299 V Actual: 3.184 V
12/16/04 03:01:59 INFO GCCC 3 - High Voltage Ref: 91.93 V Actual: 91.07 V
12/16/04 03:02:00 INFO All tests successfully completed

temFifo_20041216_030216

12/16/04 03:03:31 INFO All tests successfully completed

-40C/20MHZ

basic_20041216_030346

12/16/04 03:04:34 INFO Test Over: All tests Successful

temFe_20041216_030441

12/16/04	03:04:50	INFO	GTCC 0 - Analog A	Ref: 1.445 V	Actual: 1.377 V
12/16/04	03:04:50	INFO	GTCC 0 - Analog B	Ref: 2.608 V	Actual: 2.588 V
12/16/04	03:04:50	INFO	GTCC 0 - Digital	Ref: 2.568 V	Actual: 2.501 V
12/16/04	03:04:50	INFO	GTCC 0 - High Voltage	Ref: 137.1 V	Actual: 137.1 V
12/16/04	03:04:50	INFO	GTCC 0 - High Voltage by 2		Actual: 48.34 V
12/16/04	03:04:50	INFO	GTCC 1 - Analog A	Ref: 1.445 V	Actual: 1.382 V
12/16/04	03:04:50	INFO	GTCC 1 - Analog B	Ref: 2.608 V	Actual: 2.593 V
12/16/04	03:04:50	INFO	GTCC 1 - Digital	Ref: 2.568 V	Actual: 2.515 V
12/16/04	03:04:50	INFO	GTCC 1 - High Voltage	Ref: 137.1 V	Actual: 133.9 V
12/16/04	03:04:50	INFO	GTCC 1 - High Voltage by 2		Actual: 48.95 V
12/16/04	03:04:50	INFO	GTCC 2 - Analog A	Ref: 1.445 V	Actual: 1.382 V
12/16/04	03:04:50	INFO	GTCC 2 - Analog B	Ref: 2.608 V	Actual: 2.589 V
12/16/04	03:04:50	INFO	GTCC 2 - Digital	Ref: 2.568 V	Actual: 2.511 V
12/16/04	03:04:50	INFO	GTCC 2 - High Voltage	Ref: 137.1 V	Actual: 134.9 V
12/16/04	03:04:50	INFO	GTCC 2 - High Voltage by 2		Actual: 50.06 V
12/16/04	03:04:50	INFO	GTCC 3 - Analog A	Ref: 1.445 V	Actual: 1.396 V
12/16/04	03:04:50	INFO	GTCC 3 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:04:50	INFO	GTCC 3 - Digital	Ref: 2.568 V	Actual: 2.532 V
12/16/04	03:04:50	INFO	GTCC 3 - High Voltage	Ref: 137.1 V	Actual: 134.5 V
12/16/04	03:04:50	INFO	GTCC 3 - High Voltage by 2		Actual: 48.65 V
12/16/04	03:04:50	INFO	GTCC 4 - Analog A	Ref: 1.445 V	Actual: 1.406 V
12/16/04	03:04:50	INFO	GTCC 4 - Analog B	Ref: 2.608 V	Actual: 2.595 V
12/16/04	03:04:50	INFO	GTCC 4 - Digital	Ref: 2.568 V	Actual: 2.539 V
12/16/04	03:04:50	INFO	GTCC 4 - High Voltage	Ref: 137.1 V	Actual: 134.9 V
12/16/04	03:04:50	INFO	GTCC 4 - High Voltage by 2		Actual: 49.57 V
12/16/04	03:04:50	INFO	GTCC 5 - Analog A	Ref: 1.445 V	Actual: 1.409 V
12/16/04	03:04:50	INFO	GTCC 5 - Analog B	Ref: 2.608 V	Actual: 2.593 V
12/16/04	03:04:50	INFO	GTCC 5 - Digital	Ref: 2.568 V	Actual: 2.527 V
12/16/04	03:04:50	INFO	GTCC 5 - High Voltage	Ref: 137.1 V	Actual: 134.6 V
12/16/04	03:04:50	INFO	GTCC 5 - High Voltage by 2		Actual: 52.90 V
12/16/04	03:04:50	INFO	GTCC 6 - Analog A	Ref: 1.445 V	Actual: 1.400 V
12/16/04	03:04:50	INFO	GTCC 6 - Analog B	Ref: 2.608 V	Actual: 2.593 V
12/16/04	03:04:50	INFO	GTCC 6 - Digital	Ref: 2.568 V	Actual: 2.539 V
12/16/04	03:04:50	INFO	GTCC 6 - High Voltage	Ref: 137.1 V	Actual: 134.6 V
12/16/04	03:04:50	INFO	GTCC 6 - High Voltage by 2		Actual: 51.05 V
12/16/04	03:04:50	INFO	GTCC 7 - Analog A	Ref: 1.445 V	Actual: 1.406 V
12/16/04	03:04:50	INFO	GTCC 7 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:04:50	INFO	GTCC 7 - Digital	Ref: 2.568 V	Actual: 2.532 V
12/16/04	03:04:50	INFO	GTCC 7 - High Voltage	Ref: 137.1 V	Actual: 134.4 V
12/16/04	03:04:50	INFO	GTCC 7 - High voltage by 2		Actual: 48.52 V
12/16/04	03:04:56	INFO	GCCC 0 - Analog	Ref: 3.352 V	Actual: 3.206 V
12/16/04	03:04:56	INFO	GCCC 0 - Digital	Ref: 3.301 V	Actual: 3.136 V
12/16/04	03:04:56	INFO	GCCC 0 - High voltage	Ref: 41.06 V	Actual: 40.94 V
12/16/04	03:04:56	INFO	GCCC 1 - Analog	Ref: 3.352 V	Actual: 3.233 V
12/16/04	03:04:56	INFO	GCCC 1 - Digital	Ref: 3.301 V	Actual: 3.164 V
12/16/04	03:04:56	INFO	GCCC 1 - High Voltage	Ref: 41.06 V	Actual: 42.42 V
12/16/04	03:04:56	INFO	GCCC 2 - Analog	Ref: 3.352 V	Actual: 3.228 V
12/16/04	03:04:56	INFO	GCCC 2 - Digital	Ref: 3.301 V	Actual: 3.174 V
12/16/04	03:04:56	INFO	GCCC 2 - High Voltage	Ref: 41.06 V	Actual: 42.29 V
12/16/04	03:04:56	INFO	GCCC 3 - Analog	Ref: 3.352 V	Actual: 3.228 V
12/16/04	03:04:56	INFO	GCCC 3 - Digital	Ref: 3.301 V	Actual: 3.186 V
12/16/04	03:04:56	INFO	GCCC 3 - High Voltage	Ref: 41.06 V	Actual: 41.99 V

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12/16/04	03:05:04	INFO	GTCC 0 - Analog A	Ref: 1.446 V	Actual: 1.377 V
12/16/04	03:05:04	INFO	GTCC 0 - Analog B	Ref: 2.608 V	Actual: 2.588 V
12/16/04	03:05:04	INFO	GTCC 0 - Digital	Ref: 2.569 V	Actual: 2.503 V
12/16/04	03:05:04	INFO	GTCC 0 - High Voltage	Ref: 138.1 V	Actual: 138.1 V
12/16/04	03:05:04	INFO	GTCC 0 - High Voltage by 2		Actual: 48.65 V
12/16/04	03:05:05	INFO	GTCC 1 - Analog A	Ref: 1.446 V	Actual: 1.382 V
12/16/04	03:05:05	INFO	GTCC 1 - Analog B	Ref: 2.608 V	Actual: 2.593 V
12/16/04	03:05:05	INFO	GTCC 1 - Digital	Ref: 2.569 V	Actual: 2.514 V
12/16/04	03:05:05	INFO	GTCC 1 - High Voltage	Ref: 138.1 V	Actual: 134.9 V
12/16/04	03:05:05	INFO	GTCC 1 - High Voltage by 2		Actual: 49.32 V
12/16/04	03:05:05	INFO	GTCC 2 - Analog A	Ref: 1.446 V	Actual: 1.383 V
12/16/04	03:05:05	INFO	GTCC 2 - Analog B	Ref: 2.608 V	Actual: 2.590 V
12/16/04	03:05:05	INFO	GTCC 2 - Digital	Ref: 2.569 V	Actual: 2.512 V
12/16/04	03:05:05	INFO	GTCC 2 - High Voltage	Ref: 138.1 V	Actual: 136.1 V
12/16/04	03:05:05	INFO	GTCC 2 - High Voltage by 2		Actual: 50.50 V
12/16/04	03:05:05	INFO	GTCC 3 - Analog A	Ref: 1.446 V	Actual: 1.396 V
12/16/04	03:05:05	INFO	GTCC 3 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:05:05	INFO	GTCC 3 - Digital	Ref: 2.569 V	Actual: 2.532 V
12/16/04	03:05:05	INFO	GTCC 3 - High Voltage	Ref: 138.1 V	Actual: 135.5 V
12/16/04	03:05:05	INFO	GTCC 3 - High Voltage by 2		Actual: 49.02 V
12/16/04	03:05:05	INFO	GTCC 4 - Analog A	Ref: 1.446 V	Actual: 1.407 V
12/16/04	03:05:05	INFO	GTCC 4 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:05:05	INFO	GTCC 4 - Digital	Ref: 2.569 V	Actual: 2.539 V
12/16/04	03:05:05	INFO	GTCC 4 - High Voltage	Ref: 138.1 V	Actual: 136.1 V
12/16/04	03:05:05	INFO	GTCC 4 - High Voltage by 2		Actual: 49.94 V
12/16/04	03:05:05	INFO	GTCC 5 - Analog A	Ref: 1.446 V	Actual: 1.409 V
12/16/04	03:05:05	INFO	GTCC 5 - Analog B	Ref: 2.608 V	Actual: 2.593 V
12/16/04	03:05:05	INFO	GTCC 5 - Digital	Ref: 2.569 V	Actual: 2.529 V
12/16/04	03:05:05	INFO	GTCC 5 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:05:05	INFO	GTCC 5 - High Voltage by 2		Actual: 53.33 V
12/16/04	03:05:05	INFO	GTCC 6 - Analog A	Ref: 1.446 V	Actual: 1.401 V
12/16/04	03:05:05	INFO	GTCC 6 - Analog B	Ref: 2.608 V	Actual: 2.590 V
12/16/04	03:05:05	INFO	GTCC 6 - Digital	Ref: 2.569 V	Actual: 2.539 V
12/16/04	03:05:05	INFO	GTCC 6 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:05:05	INFO	GTCC 6 - High Voltage by 2		Actual: 51.42 V
12/16/04	03:05:05	INFO	GTCC 7 - Analog A	Ref: 1.446 V	Actual: 1.406 V
12/16/04	03:05:05	INFO	GTCC 7 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:05:05	INFO	GTCC 7 - Digital	Ref: 2.569 V	Actual: 2.532 V
12/16/04	03:05:05	INFO	GTCC 7 - High Voltage	Ref: 138.1 V	Actual: 135.4 V
12/16/04	03:05:05	INFO	GTCC 7 - High Voltage by 2		Actual: 48.89 V
12/16/04	03:05:10	INFO	GCCC 0 - Analog	Ref: 3.352 V	Actual: 3.206 V
12/16/04	03:05:10	INFO	GCCC 0 - Digital	Ref: 3.301 V	Actual: 3.135 V
12/16/04	03:05:10	INFO	GCCC 0 - High Voltage	Ref: 89.71 V	Actual: 88.54 V
12/16/04	03:05:10	INFO	GCCC 1 - Analog	Ref: 3.352 V	Actual: 3.233 V
12/16/04	03:05:10	INFO	GCCC 1 - Digital	Ref: 3.301 V	Actual: 3.164 V
12/16/04	03:05:10	INFO	GCCC 1 - High Voltage	Ref: 89.71 V	Actual: 91.01 V
12/16/04	03:05:10	INFO	GCCC 2 - Analog	Ref: 3.352 V	Actual: 3.228 V
12/16/04	03:05:10	INFO	GCCC 2 - Digital	Ref: 3.301 V	Actual: 3.174 V
12/16/04	03:05:10	INFO	GCCC 2 - High Voltage	Ref: 89.71 V	Actual: 90.08 V
12/16/04	03:05:10	INFO	GCCC 3 - Analog	Ref: 3.352 V	Actual: 3.228 V
12/16/04	03:05:10	INFO	GCCC 3 - Digital	Ref: 3.301 V	Actual: 3.186 V

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12/16/04	03:05:10	INFO	GCCC 3 - High Voltage	Ref: 89.71 V	Actual: 88.85 V
12/16/04	03:05:19	INFO	GTCC 0 - Analog A	Ref: 1.447 V	Actual: 1.378 V
12/16/04	03:05:19	INFO	GTCC 0 - Analog B	Ref: 2.608 V	Actual: 2.589 V
12/16/04	03:05:19	INFO	GTCC 0 - Digital	Ref: 2.569 V	Actual: 2.503 V
12/16/04	03:05:19	INFO	GTCC 0 - High Voltage	Ref: 138.1 V	Actual: 138.1 V
12/16/04	03:05:19	INFO	GTCC 0 - High Voltage by 2		Actual: 48.65 V
12/16/04	03:05:19	INFO	GTCC 1 - Analog A	Ref: 1.447 V	Actual: 1.382 V
12/16/04	03:05:19	INFO	GTCC 1 - Analog B	Ref: 2.608 V	Actual: 2.594 V
12/16/04	03:05:19	INFO	GTCC 1 - Digital	Ref: 2.569 V	Actual: 2.515 V
12/16/04	03:05:19	INFO	GTCC 1 - High Voltage	Ref: 138.1 V	Actual: 134.9 V
12/16/04	03:05:19	INFO	GTCC 1 - High Voltage by 2		Actual: 49.32 V
12/16/04	03:05:19	INFO	GTCC 2 - Analog A	Ref: 1.447 V	Actual: 1.383 V
12/16/04	03:05:19	INFO	GTCC 2 - Analog B	Ref: 2.608 V	Actual: 2.590 V
12/16/04	03:05:19	INFO	GTCC 2 - Digital	Ref: 2.569 V	Actual: 2.512 V
12/16/04	03:05:19	INFO	GTCC 2 - High Voltage	Ref: 138.1 V	Actual: 136.0 V
12/16/04	03:05:19	INFO	GTCC 2 - High Voltage by 2		Actual: 50.50 V
12/16/04	03:05:19	INFO	GTCC 3 - Analog A	Ref: 1.447 V	Actual: 1.398 V
12/16/04	03:05:19	INFO	GTCC 3 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:05:19	INFO	GTCC 3 - Digital	Ref: 2.569 V	Actual: 2.534 V
12/16/04	03:05:19	INFO	GTCC 3 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:05:19	INFO	GTCC 3 - High Voltage by 2		Actual: 49.02 V
12/16/04	03:05:19	INFO	GTCC 4 - Analog A	Ref: 1.447 V	Actual: 1.407 V
12/16/04	03:05:19	INFO	GTCC 4 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:05:19	INFO	GTCC 4 - Digital	Ref: 2.569 V	Actual: 2.539 V
12/16/04	03:05:19	INFO	GTCC 4 - High Voltage	Ref: 138.1 V	Actual: 136.1 V
12/16/04	03:05:19	INFO	GTCC 4 - High Voltage by 2		Actual: 49.94 V
12/16/04	03:05:19	INFO	GTCC 5 - Analog A	Ref: 1.447 V	Actual: 1.411 V
12/16/04	03:05:19	INFO	GTCC 5 - Analog B	Ref: 2.608 V	Actual: 2.593 V
12/16/04	03:05:19	INFO	GTCC 5 - Digital	Ref: 2.569 V	Actual: 2.529 V
12/16/04	03:05:19	INFO	GTCC 5 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:05:19	INFO	GTCC 5 - High Voltage by 2		Actual: 53.33 V
12/16/04	03:05:19	INFO	GTCC 6 - Analog A	Ref: 1.447 V	Actual: 1.401 V
12/16/04	03:05:19	INFO	GTCC 6 - Analog B	Ref: 2.608 V	Actual: 2.593 V
12/16/04	03:05:19	INFO	GTCC 6 - Digital	Ref: 2.569 V	Actual: 2.539 V
12/16/04	03:05:19	INFO	GTCC 6 - High Voltage	Ref: 138.1 V	Actual: 135.6 V
12/16/04	03:05:19	INFO	GTCC 6 - High Voltage by 2		Actual: 51.42 V
12/16/04	03:05:19	INFO	GTCC 7 - Analog A	Ref: 1.447 V	Actual: 1.406 V
12/16/04	03:05:19	INFO	GTCC 7 - Analog B	Ref: 2.608 V	Actual: 2.598 V
12/16/04	03:05:19	INFO	GTCC 7 - Digital	Ref: 2.569 V	Actual: 2.532 V
12/16/04	03:05:19	INFO	GTCC 7 - High Voltage	Ref: 138.1 V	Actual: 135.4 V
12/16/04	03:05:19	INFO	GTCC 7 - High Voltage by 2		Actual: 48.89 V
12/16/04	03:05:25	INFO	GCCC 0 - Analog	Ref: 3.352 V	Actual: 3.206 V
12/16/04	03:05:25	INFO	GCCC 0 - Digital	Ref: 3.301 V	Actual: 3.135 V
12/16/04	03:05:25	INFO	GCCC 0 - High Voltage	Ref: 89.46 V	Actual: 88.29 V
12/16/04	03:05:25	INFO	GCCC 1 - Analog	Ref: 3.352 V	Actual: 3.233 V
12/16/04	03:05:25	INFO	GCCC 1 - Digital	Ref: 3.301 V	Actual: 3.164 V
12/16/04	03:05:25	INFO	GCCC 1 - High Voltage	Ref: 89.46 V	Actual: 90.76 V
12/16/04	03:05:25	INFO	GCCC 2 - Analog	Ref: 3.352 V	Actual: 3.228 V
12/16/04	03:05:25	INFO	GCCC 2 - Digital	Ref: 3.301 V	Actual: 3.174 V
12/16/04	03:05:25	INFO	GCCC 2 - High Voltage	Ref: 89.46 V	Actual: 89.83 V
12/16/04	03:05:25	INFO	GCCC 3 - Analog	Ref: 3.352 V	Actual: 3.228 V

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12/16/04 03:05:25 INFO GCCC 3 - Digital Ref: 3.301 V Actual: 3.186 V
12/16/04 03:05:25 INFO GCCC 3 - High Voltage Ref: 89.46 V Actual: 88.60 V
12/16/04 03:05:26 INFO All tests successfully completed

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12/16/04 03:06:54 INFO All tests successfully completed