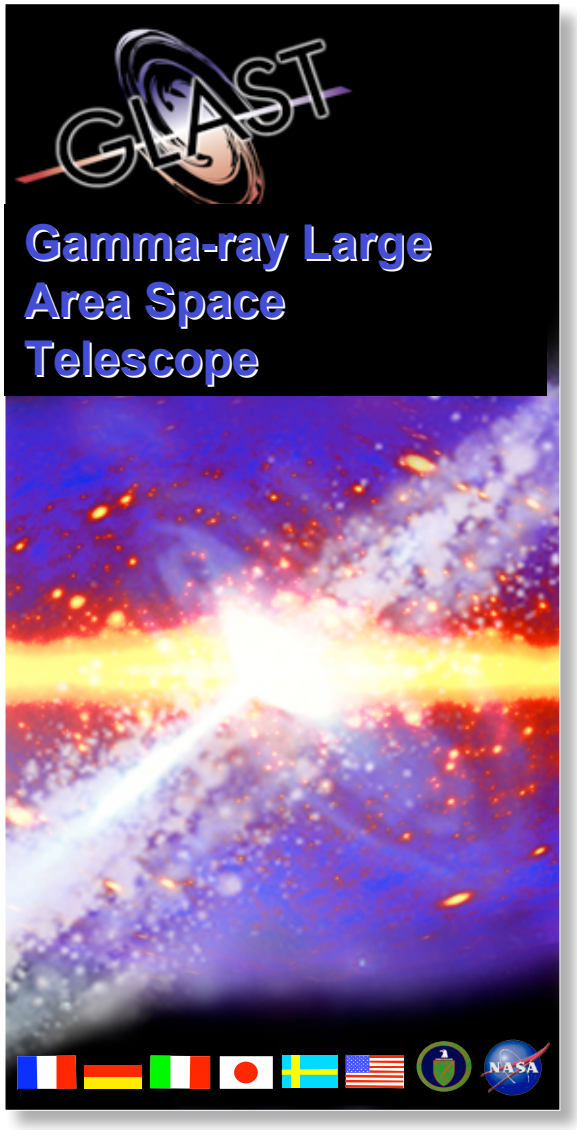

GLAST Large Area Telescope:

TKR Hand-off review for Tower 14

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Power Consumption

- Values for MCM measurements account for the increase due to PS voltage itself, not current increase due to voltage increase.

Tower 14	Pisa	SLAC	MCM
Tower total	10.0 W	9.8 W	9.1 W
Tower + TEM/TPS	19.6 W	19.3 W	N/A
Leak current @100V	84 μA	86.0 μA	N/A

Band Channels (Tower 14)

No major change observed.

Layer	Pre ship (Pisa)				Handoff (SLAC)					Layer
	disconnect	dead	noisy	total	disconnect	dead	noisy	others (offline)	total	
Y17	0	1	1	2	0	1	1	0	2	Y17
X17	0	1	1	2	0	1	3	0	4	X17
X16	0	0	2	2	0	2	6	0	8	X16
Y16	0	0	0	0	0	0	0	0	0	Y16
Y15	1	0	0	1	1	0	0	0	1	Y15
X15	1	3	2	6	1	3	2	0	6	X15
X14	0	0	0	0	0	0	0	0	0	X14
Y14	0	2	1	3	0	2	1	0	3	Y14
Y13	3	1	0	4	3	1	0	0	4	Y13
X13	0	1	4	5	0	1	4	0	5	X13
X12	0	1	0	1	1	1	0	0	2	X12
Y12	0	8	3	11	0	8	3	0	11	Y12
Y11	0	6	1	7	3	6	2	0	11	Y11
X11	0	0	0	0	0	0	0	0	0	X11
X10	0	2	0	2	0	2	0	0	2	X10
Y10	0	2	0	2	0	2	0	1	3	Y10
Y9	0	0	0	0	0	0	0	0	0	Y9
X9	0	2	1	3	0	3	3	0	6	X9
X8	0	2	1	3	0	2	1	0	3	X8
Y8	0	0	0	0	0	0	0	0	0	Y8
Y7	2	0	0	2	2	0	1	0	3	Y7
X7	0	0	1	1	1	0	2	0	3	X7
X6	0	0	0	0	0	0	0	0	0	X6
Y6	0	0	1	1	0	2	3	0	5	Y6
Y5	0	0	0	0	1	0	1	0	2	Y5
X5	0	0	0	0	0	0	0	0	0	X5
X4	0	0	2	2	0	0	2	0	2	X4
Y4	0	0	0	0	0	0	0	0	0	Y4
Y3	0	0	0	0	0	0	0	0	0	Y3
X3	0	1	0	1	0	3	0	0	3	X3
X2	0	0	0	0	0	0	0	0	0	X2
Y2	0	3	3	6	0	3	1	0	4	Y2
Y1	0	0	0	0	0	0	0	0	0	Y1
X1	0	2	0	2	0	2	0	0	2	X1
X0	0	0	0	0	0	1	3	0	4	X0
Y0	0	0	0	0	0	0	1	0	1	Y0
Total	**7**	**38**	**24**	**69**	**13**	**46**	**40**	**1**	**100**	
Fraction	0.01%	0.07%	0.04%	0.12%	0.02%	0.08%	0.07%	0.00%	0.18%	

Hit and Trigger Efficiency

Hit Efficiency

	pre-ship	error	hand-off	error	delta/error
Y0	99.5	0.06	99.37	0.06	-1.3
X0	99.5	0.06	99.31	0.06	-1.9
X1	99.9	0.03	99.80	0.03	-1.0
Y1	99.9	0.03	99.83	0.03	-0.7
Y2	99.5	0.06	99.44	0.05	-0.6
X2	99.8	0.04	99.80	0.03	0.0
X3	99.6	0.05	99.48	0.05	-1.2
Y3	99.7	0.04	99.55	0.05	-1.5
Y4	99.6	0.05	99.64	0.04	0.4
X4	99.5	0.06	99.60	0.05	1.0
X5	99.7	0.05	99.74	0.04	0.4
Y5	99.5	0.06	99.58	0.05	0.8
Y6	99.5	0.06	99.49	0.05	-0.1
X6	99.8	0.04	99.80	0.03	0.0
X7	99.8	0.04	99.70	0.04	-1.0
Y7	99.9	0.03	99.81	0.03	-0.9
Y8	99.9	0.03	99.83	0.03	-0.7
X8	99.8	0.04	99.77	0.04	-0.3
X9	99.8	0.04	99.75	0.04	-0.5
Y9	99.8	0.04	99.84	0.03	0.4
Y10	99.8	0.04	99.78	0.03	-0.2
X10	99.9	0.03	99.89	0.02	-0.1
X11	99.9	0.03	99.82	0.03	-0.8
Y11	99.8	0.04	99.60	0.05	-2.0
Y12	99.6	0.05	99.53	0.05	-0.7
X12	99.8	0.04	99.87	0.03	0.7
X13	99.7	0.04	99.69	0.04	-0.1
Y13	99.8	0.04	99.75	0.04	-0.5
Y14	99.6	0.05	99.73	0.04	1.3
X14	99.9	0.02	99.83	0.03	-0.7
X15	99.7	0.04	99.64	0.04	-0.6
Y15	100	0.00	99.87	0.02	-1.3
Y16	99.9	0.03	99.92	0.02	0.2
X16	99.6	0.05	99.64	0.04	0.4
X17	99.5	0.06	99.41	0.06	-0.9
Y17	99.4	0.06	99.31	0.06	-0.9
average	99.72	0.01	99.68	0.01	-3.1

Trigger Efficiency

trigger combination	handoff
C0-1-2	97.5
C1-2-3	97.8
C2-3-4	97.4
C3-4-5	97.5
C4-5-6	97.8
C5-6-7	98.0
C6-7-8	98.3
C7-8-9	98.6
C8-9-10	98.8
C9-10-11	98.6
C10-11-12	98.4
C11-12-13	98.1
C12-13-14	98.3
C13-14-15	98.5
C14-15-16	98.6
C15-16-17	97.8

Notes and Anomalies

- **No anomaly observed for TKR tower 14.**

- **There were some minor typo in TKR13 hand-off presentation and EIDP.**
  - **Power consumption at SLAC should be 10.1 W instead of 10.5 W.**
  - **EIDP was corrected.**