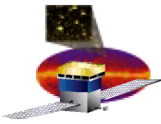


GLAST Large Area Telescope:

TKR Hand-off review for Tower 12

**Hiro Tajima,
Johann Cohen-Tanugi,
Mutsumi Sugizaki
SU-SLAC**

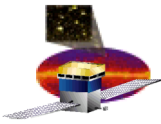
**R. P. Johnson
UCSC**



Power Consumption

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

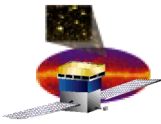
Tower 11	Pisa	SLAC	MCM
Tower total	10.3 W	9.9 W	9.2 W
Tower + TEM/TPS	19.3 W	19.3 W	N/A
Leak current @100V	73.6 μ A	83.5 μ A	N/A



Band Channels (Tower 12)

No major change observed.

Layer	Pre ship (Pisa)				Handoff (SLAC)					Layer
	disconnect	dead	noisy	total	disconnect	dead	noisy	others (offline)	total	
Y17	0	0	0	0	0	0	0	0	0	Y17
X17	0	1	0	1	0	1	3	0	4	X17
X16	0	0	0	0	0	0	0	0	0	X16
Y16	0	0	0	0	0	0	0	0	0	Y16
Y15	0	0	0	0	0	0	0	0	0	Y15
X15	0	0	0	0	0	0	0	0	0	X15
X14	0	0	0	0	0	0	1	0	1	X14
Y14	1	0	0	1	1	0	2	0	3	Y14
Y13	0	0	0	0	0	1	1	0	2	Y13
X13	0	0	0	0	0	0	0	0	0	X13
X12	0	0	0	0	0	0	0	0	0	X12
Y12	0	3	0	3	0	3	1	0	4	Y12
Y11	0	0	0	0	0	0	0	0	0	Y11
X11	0	2	0	2	0	2	0	0	2	X11
X10	0	0	4	4	0	0	2	0	2	X10
Y10	0	1	0	1	0	1	0	0	1	Y10
Y9	0	0	0	0	0	0	0	0	0	Y9
X9	5	0	0	5	5	0	0	0	5	X9
X8	0	0	0	0	0	0	0	0	0	X8
Y8	3	0	0	3	3	0	0	0	3	Y8
Y7	0	0	0	0	0	0	0	0	0	Y7
X7	0	0	0	0	0	0	0	0	0	X7
X6	0	0	0	0	0	0	0	0	0	X6
Y6	0	1	0	1	0	1	0	0	1	Y6
Y5	1	0	0	1	1	0	0	0	1	Y5
X5	6	0	0	6	6	0	0	0	6	X5
X4	0	0	0	0	0	0	0	0	0	X4
Y4	1	0	0	1	1	0	0	0	1	Y4
Y3	0	0	0	0	0	0	0	0	0	Y3
X3	2	0	1	3	2	0	1	0	3	X3
X2	7	0	0	7	7	0	0	0	7	X2
Y2	0	1	3	4	1	1	6	0	8	Y2
Y1	0	2	8	10	0	3	7	0	10	Y1
X1	0	0	0	0	0	0	0	0	0	X1
X0	0	0	0	0	0	0	0	0	0	X0
Y0	0	1	0	1	0	1	1	0	2	Y0
Total	26	12	16	54	27	14	25	0	66	
Fraction	0.05%	0.02%	0.03%	0.10%	0.05%	0.03%	0.05%	0.00%	0.12%	



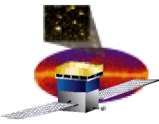
Hit and Trigger Efficiency

Hit Efficiency

	pre-ship	error	hand-off	error	delta/error
Y0	99.4	0.08	99.34	0.06	-0.6
X0	99.6	0.07	99.60	0.05	0.0
X1	99.9	0.03	99.82	0.03	-0.8
Y1	99.6	0.07	99.57	0.05	-0.3
Y2	99.6	0.06	99.66	0.04	0.6
X2	99.8	0.04	99.79	0.03	-0.1
X3	99.6	0.07	99.51	0.05	-0.9
Y3	99.6	0.07	99.51	0.05	-0.9
Y4	99.7	0.06	99.65	0.05	-0.5
X4	99.6	0.07	99.67	0.04	0.7
X5	99.7	0.06	99.62	0.05	-0.8
Y5	99.7	0.06	99.77	0.04	0.7
Y6	99.8	0.05	99.79	0.04	-0.1
X6	99.8	0.05	99.81	0.03	0.1
X7	99.9	0.04	99.88	0.03	-0.2
Y7	99.9	0.04	99.85	0.03	-0.5
Y8	99.9	0.04	99.83	0.03	-0.7
X8	99.9	0.04	99.87	0.03	-0.3
X9	99.7	0.06	99.63	0.05	-0.7
Y9	99.9	0.03	99.86	0.03	-0.4
Y10	99.9	0.03	99.86	0.03	-0.4
X10	99.8	0.05	99.87	0.03	0.7
X11	99.9	0.03	99.87	0.03	-0.3
Y11	99.9	0.03	99.92	0.02	0.2
Y12	99.8	0.05	99.64	0.04	-1.6
X12	99.9	0.03	99.87	0.03	-0.3
X13	99.8	0.05	99.86	0.03	0.6
Y13	99.8	0.05	99.83	0.03	0.3
Y14	99.8	0.04	99.66	0.04	-1.4
X14	99.9	0.03	99.78	0.03	-1.2
X15	99.9	0.03	99.91	0.02	0.1
Y15	99.9	0.03	99.91	0.02	0.1
Y16	99.9	0.03	99.88	0.03	-0.2
X16	99.9	0.03	99.86	0.03	-0.4
X17	99.5	0.07	99.33	0.06	-1.7
Y17	99.5	0.07	99.44	0.06	-0.6
average	99.80	0.01	99.68	0.01	-11.0

Trigger Efficiency

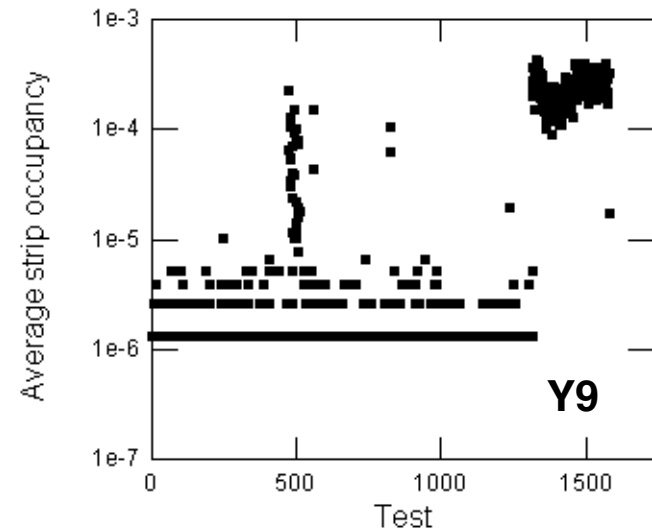
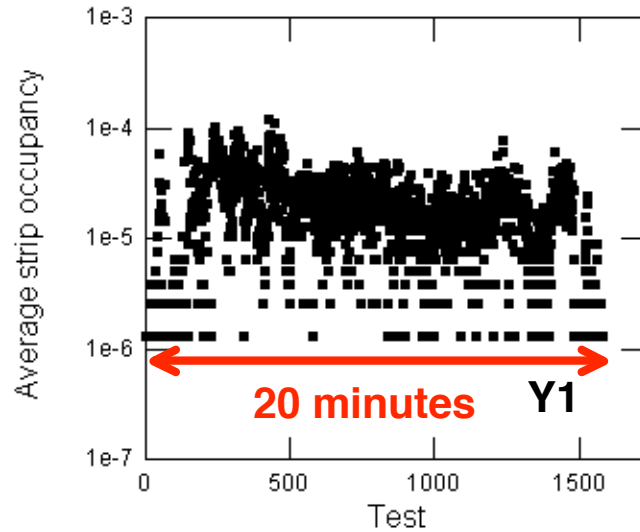
trigger combination	handoff
C0-1-2	97.9
C1-2-3	97.9
C2-3-4	97.7
C3-4-5	97.7
C4-5-6	98.2
C5-6-7	98.6
C6-7-8	98.9
C7-8-9	98.8
C8-9-10	98.8
C9-10-11	98.9
C10-11-12	98.9
C11-12-13	98.9
C12-13-14	98.5
C13-14-15	99.0
C14-15-16	99.0
C15-16-17	98.3



Notes and Anomalies

- Intermittent hot strips observed.

Time profile
10/4 18:15–18:35



Time profile after
masking a few
new hot strips.
10/4 19:58–21:50

