

MIP-1

	DATE	INSPEC.	PASS	FAIL	%	Comments	Weekly	
							Avg. / Day	Units / Week
	4/22/2004	43	30	13	70%	From start to 4/22		
	5/3/2004	44	30	14	68%	From 4/22 - 5/3		
	5/13/2004	3	3	0	100%			
	5/14/2004	2	2	0	100%			
Monday	5/17/2004	2	2	0	100%			
Tuesday	5/18/2004	8	7	1	88%	flex fail alignment		
Wednesday	5/19/2004	8	6	2	75%	more than 8 open traces		
Thursday	5/20/2004	5	4	1	80%			
Friday	5/21/2004	7	6	1	86%	Damaged traces	5.0	25
Monday	5/24/2004	3	0	3	0%	delamination fiberglass		
Tuesday	5/25/2004	6	6	0	100%			
Wednesday	5/26/2004	4	4	0	100%			
Thursday	5/27/2004	4	4	0	100%			
Friday	5/28/2004	8	6	2	75%	more than 8 open traces	4.0	20
Monday	5/31/2004	0	0	0		Holiday		
Tuesday	6/1/2004	0	0	0				
Wednesday	6/2/2004	1	1	0	100%			
Thursday	6/3/2004	6	4	2	67%	more than 8 open traces		
Friday	6/4/2004	11	8	3	73%	open power trace/more than 8 open	2.6	13
Monday	6/7/2004	3	2	1	67%	flex fail alignment		
Tuesday	6/8/2004	1	1	0	100%			
Wednesday	6/9/2004	4	4	0	100%			
Thursday	6/10/2004	4	3	1	75%	flex epoxy ran onto P.C.B & lift it so		
Friday	6/11/2004	5	5	0	100%		3.0	15
Monday	6/14/2004	6	5	1	83%	delamination fiberglass		
Tuesday	6/15/2004	6	5	1	83%	delamination fiberglass		
Wednesday	6/16/2004	5	5	0	100%			
Thursday	6/17/2004	6	4	2	67%	more than 8 open traces/delamination		
Friday	6/18/2004	6	5	1	83%	open power trace	4.8	24
Monday	6/21/2004	5	5	0	100%			
Tuesday	6/22/2004	5	5	0	100%			
Wednesday	6/23/2004	6	3	3	50%	print flex epoxy with new screen/del		
Thursday	6/24/2004	3	2	1	67%	delamination fiberglass		
Friday	6/25/2004	6	5	1	83%	delamination fiberglass	4.0	20
Monday	6/28/2004	5	5	0	100%			
Tuesday	6/29/2004	7	3	4	43%	more than 8 open traces/misalignme		
Wednesday	6/30/2004	5	3	2	60%	flex fail alignment/missing power tra		
Thursday	7/1/2004	5	4	1	80%	flex fail alignment		
Friday	7/2/2004	6	2	4	33%	more than 8 open traces/delamination	3.4	17
Monday	7/5/2004	0	0	0		Holiday		
Tuesday	7/6/2004	10	9	1	90%	open / broken power trace		
Wednesday	7/7/2004	4	4	0	100%			
Thursday	7/8/2004	7	6	1	86%	open power trace		
Friday	7/9/2004	6	6	0	100%		5.0	25
Monday	7/12/2004	11	5	6	45%			
Tuesday	7/13/2004	6	5	1	83%	flex fail alignment		
Wednesday	7/14/2004	7	4	3	57%	Open power trace/ Damged trace or		
Thursday	7/15/2004	3	3	0	100%			
Friday	7/16/2004	6	3	3	50%	open power trace/more than 8 open	4.0	20
Monday	7/19/2004	13	11	2	85%	more than 8 open traces / open pow		
Tuesday	7/20/2004	6	4	2	67%	more than 8 open traces/delamination		
Wednesday	7/21/2004	8	5	3	63%	open power trace/delamination fiber		
Thursday	7/22/2004	7	5	2	71%	flex fail alignment/ more than 8 trace		
Friday	7/23/2004	6	5	1	83%	open power trace	6.0	30

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Monday	7/26/2004	12	11	1	92%	delamination fiberglass		
Tuesday	7/27/2004	5	5	0	100%			
Wednesday	7/28/2004	4	2	2	50%	open power trace		
Thursday	7/29/2004	8	5	3	63%	delamination fiberglass/open power		
Friday	7/30/2004	7	5	2	71%	open power trace		
Monday	8/2/2004	4	2	2	50%	more than 8 open traces/delaminati		
Tuesday	8/3/2004	3	3	0	100%			
Wednesday	8/4/2004	5	2	3	40%	more than 8 open traces/ lifting flex/		
Thursday	8/5/2004	7	6	1	86%	flex fail alignment		
Friday	8/6/2004	10	10	0	100%			
Monday	8/9/2004	1	1	0	100%		New Pitch Adapter Qualification Process	
Tuesday	8/10/2004	5	2	3	40%	2 unit with lifting flex, did rework./op		
Wednesday	8/11/2004	3	1	2	33%	open power trace/crack & open trac		
Thursday	8/12/2004	3	3	0	100%			
Friday	8/13/2004	13	0	13	0%	Qualification Process Stopped		
Monday	8/16/2004	4	4	0	100%			
Tuesday	8/17/2004	11	5	6	45%	2 open power traces/ 2 delaminati		
Wednesday	8/18/2004	13	3	10	23%	delamination to fiberglass / open po		
Thursday	8/19/2004	13	5	8	38%	delamination to fiberglass / open po		
Friday	8/20/2004	12	3	9	25%	delamination to fiberglass/more than		
Monday	8/23/2004	6	5	1	83%	delamination to fiberglass		
Tuesday	8/24/2004	5	2	3	40%	delamination to fiberglass/more than		
Wednesday	8/25/2004	6	3	3	50%	more than 8 open traces/delaminati		
Thursday	8/26/2004	8	4	4	50%	delamination to fiberglass		
Friday	8/27/2004	8	2	6	25%	delamination to fiberglass		
Monday	8/30/2004	9	5	4	56%	delamination to fiberglass		
Tuesday	8/31/2004	6	5	1	83%	open power trace		
Wednesday	9/1/2004	11	5	6	45%	Open power trace/flex fail alignment		
Thursday	9/2/2004	5	5	0	100%			
Friday	9/3/2004	7	5	2	71%	more than 8 open traces		
Monday	9/6/2004	0	0			Holiday		
Tuesday	9/7/2004	6	2	4	33%	delaminati		
Wednesday	9/8/2004	4		4	0%	more than 8 open traces		
Thursday	9/9/2004							
Friday	9/10/2004							
Monday	9/13/2004							
Tuesday	9/14/2004							
Wednesday	9/15/2004							
Thursday	9/16/2004							
Friday	9/17/2004							
Monday	9/20/2004							
Tuesday	9/21/2004							
Wednesday	9/22/2004							
Thursday	9/23/2004							
Friday	9/24/2004							
Monday	9/27/2004							
Tuesday	9/28/2004							
Wednesday	9/29/2004							
Thursday	9/30/2004							
Friday	10/1/2004							
Monday	10/4/2004							
Tuesday	10/5/2004							
Wednesday	10/6/2004							
Thursday	10/7/2004							
Friday	10/8/2004							

MIP-1

	DATE	INSPEC.	PASS	FAIL	%	Comments	Weekly	
							Avg. / Day	Units / Week
Monday	10/11/2004							
Tuesday	10/12/2004							
Wednesday	10/13/2004							
Thursday	10/14/2004							
Friday	10/15/2004							
Monday	10/18/2004							
Tuesday	10/19/2004							
Wednesday	10/20/2004							
Thursday	10/21/2004							
Friday	10/22/2004							
		588	395	193	67%			

Overall Average per Day 4.0

MIP-2 Iterations - Historical

10-Jun-04		
# MCMs	105	
1st Time Pass	58	55%
2nd Time Pass	23	22%
≥ 3 Times Pass	24	23%
Average	2.10	

77% Success after 2nd pass

29-Jun-04		
# MCMs	167	
1st Time Pass	105	63%
2nd Time Pass	32	19%
≥ 3 Times Pass	30	18%
Average	2.02	

82% Success after 2nd pass

29-Jul-04		
# MCMs	272	
1st Time Pass	189	69%
2nd Time Pass	46	17%
≥ 3 Times Pass	37	14%
Average	1.65	

86% Success after 2nd pass

31-Aug-04		
# MCMs	329	
1st Time Pass	231	70%
2nd Time Pass	55	17%
≥ 3 Times Pass	42	13%
Average	1.61	

87% Success after 2nd pass

MIP-3

	DATE	INSPEC.	PASS	FAIL	%	Comments	Weekly	
							Avg. / Day	Units / Week
	Previous	44	44	0	100%	All units prior to 5/19/04		
Monday	5/17/2004	0	0					
Tuesday	5/18/2004	0	0					
Wednesday	5/19/2004	5	5	0	100%			
Thursday	5/20/2004	4	3	1	75%			
Friday	5/21/2004	0	0				1.6	8
Monday	5/24/2004	5	5	0	100%			
Tuesday	5/25/2004	8	8	0	100%			
Wednesday	5/26/2004	0	0					
Thursday	5/27/2004	8	8	0	100%			
Friday	5/28/2004	5	4	1	80%	#451	5.0	25
Monday	5/31/2004	0	0					
Tuesday	6/1/2004	0	0					
Wednesday	6/2/2004	0	0					
Thursday	6/3/2004	5	5	0	100%			
Friday	6/4/2004	5	5	0	100%		2.0	10
Monday	6/7/2004	0	0					
Tuesday	6/8/2004	6	4	2	67%	#331, #609		
Wednesday	6/9/2004	6	6	0	100%			
Thursday	6/10/2004	5	5	0	100%			
Friday	6/11/2004	5	5	0	100%		4.0	20
Monday	6/14/2004	0	0					
Tuesday	6/15/2004	6	6	0	100%			
Wednesday	6/16/2004	5	5	0	100%			
Thursday	6/17/2004	0	0					
Friday	6/18/2004	11	11	0	100%		4.4	22
Monday	6/21/2004	0	0					
Tuesday	6/22/2004	6	6	0	100%			
Wednesday	6/23/2004	6	5	1	83%	#688		
Thursday	6/24/2004	5	5	0	100%			
Friday	6/25/2004	0	0				3.2	16
Monday	6/28/2004	6	5	1	83%			
Tuesday	6/29/2004	0	0					
Wednesday	6/30/2004	5	5	0	100%			
Thursday	7/1/2004	7	6	1	86%	#11498		
Friday	7/2/2004	7	7	0	100%		4.6	23
Monday	7/5/2004	0	0			Holiday		
Tuesday	7/6/2004	0	0					
Wednesday	7/7/2004	5	4	1	80%	#734		
Thursday	7/8/2004	4	3	1	75%	#11420		
Friday	7/9/2004	2	2	0	100%		1.8	9
Monday	7/12/2004	0	0					
Tuesday	7/13/2004	4	4	0	100%			
Wednesday	7/14/2004	6	5	1	83%			
Thursday	7/15/2004	6	6	0	100%			
Friday	7/16/2004	5	5	0	100%		4.0	20
Monday	7/19/2004	4	4	0	100%			
Tuesday	7/20/2004	0	0					
Wednesday	7/21/2004	0	0					
Thursday	7/22/2004	5	4	1	80%			
Friday	7/23/2004	5	4	1	80%		2.4	12

MIP-3

	DATE	INSPEC.	PASS	FAIL	%	Comments	Weekly	
							Avg. / Day	Units / Week
Monday	7/26/2004	4	3	1	75%			
Tuesday	7/27/2004	5	4	1	80%			
Wednesday	7/28/2004	6	6	0	100%			
Thursday	7/29/2004	5	5	0	100%			
Friday	7/30/2004	5	5	0	100%		4.6	23
Monday	8/2/2004	0	0					
Tuesday	8/3/2004	0	0					
Wednesday	8/4/2004	5	5	0	100%			
Thursday	8/5/2004	6	5	1	83%	#11077		
Friday	8/6/2004	5	4	1	80%	#11359	2.8	14
Monday	8/9/2004	4	4	0	100%			
Tuesday	8/10/2004	5	5	0	100%			
Wednesday	8/11/2004	4	4	0	100%			
Thursday	8/12/2004	3	3	0	100%			
Friday	8/13/2004	3	3	0	100%		3.8	19
Monday	8/16/2004	3	3	0	100%			
Tuesday	8/17/2004	0	0					
Wednesday	8/18/2004	10	10	0	100%			
Thursday	8/19/2004	0	0					
Friday	8/20/2004	0	0				2.6	13
Monday	8/23/2004	0	0					
Tuesday	8/24/2004	0	0					
Wednesday	8/25/2004	4	4	0	100%			
Thursday	8/26/2004	11	10	1	91%			
Friday	8/27/2004	4	4	0	100%		3.6	18
Monday	8/30/2004	0	0					
Tuesday	8/31/2004	6	5	1	83%			
Wednesday	9/1/2004	0	0					
Thursday	9/2/2004	0	0					
Friday	9/3/2004	0	0				1.0	5
Monday	9/6/2004	0	0			Holiday		
Tuesday	9/7/2004	8	7	1	88%			
Wednesday	9/8/2004	2	2	0	100%			
Thursday	9/9/2004							
Friday	9/10/2004						3.0	9
Monday	9/13/2004							
Tuesday	9/14/2004							
Wednesday	9/15/2004							
Thursday	9/16/2004							
Friday	9/17/2004							
Monday	9/20/2004							
Tuesday	9/21/2004							
Wednesday	9/22/2004							
Thursday	9/23/2004							
Friday	9/24/2004							
Monday	9/27/2004							
Tuesday	9/28/2004							
Wednesday	9/29/2004							
Thursday	9/30/2004							
Friday	10/1/2004							
Monday	10/4/2004							
Tuesday	10/5/2004							

MIP-3

	DATE	INSPEC.	PASS	FAIL	%	Comments	Weekly	
							Avg. / Day	Units / Week
Wednesday	10/6/2004							
Thursday	10/7/2004							
Friday	10/8/2004							
Monday	10/11/2004							
Tuesday	10/12/2004							
Wednesday	10/13/2004							
Thursday	10/14/2004							
Friday	10/15/2004							
Monday	10/18/2004							
Tuesday	10/19/2004							
Wednesday	10/20/2004							
Thursday	10/21/2004							
Friday	10/22/2004							
		329	310	19	94%			

Scrap Rates

MIP-3 Failures

5.8% Percentage of Failure
49 Estimated failures over life of Project

MIP-2 Failures

360 Total Units
13 Failed
3.6% Percentage of Failure
31 Estimated failures over life of Project

MIP-1 Failures

30.8% Percentage of Failure
262 Estimated failures over life of Project

Units Needed for GLAST	648
Units Ordered by SLAC	850

= Theoretical Goal

	Built Units / Month	Remaining Units	Remaining Months	Calendar Month	Average Units /
FY 2004	0	850	N/A	N/A	
	44	806	18.3	April	2.0
	33	773	23.4	May	1.5
	78	695	8.9	June	3.5
	77	618	8.0	July	3.5
	69	549	8.0	August	3.1
	100	449	4.5	September	
FY2005	100	349	3.5	October	
	100	249	2.5	November	
	100	149	1.5	December	
	100	49	0.5	January	
	49	0	0.0	February	