

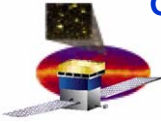
GLAST Large Area Telescope

Systems Engineering

NCRs and Waivers Verification Status

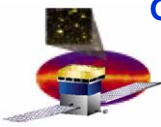
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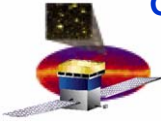
LAT Functional Test Status

- The LAT functional test status
 - Current liens include:
 - 6 Cal and tracker tests did not have data due to playback problems
 - Retest on 2/7 completed 5 of the files, review in process
 - One checksum error during a file upload that is still under investigation
 - Additional checksum error during retest (different run)
 - Retest for that run in work
- Flag status
 - Nearly complete on flag closure
 - 222 were opened (many duplicates)
 - 4 still open
 - Checksum error
 - Limit check caused by script timing – fix in process
 - 2 on spacecraft side (PTP lockup, SSR dump problems)



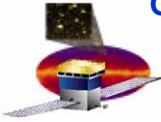
NCR Summary Status

Closure Plan	Definition	Count
Issue resolved, closure plan in place or no impact to LAT		
Closing	Issue resolved, documentation required to close	1
Closure deferred	EGSE issues, low priority to fix or hold open to track repeats	8
Work continuing		
B1.0.0	Resolved with FSW release B1.0.0 or later	2
QAR	CND or other issue expected to be transferred to a QAR	9
In process	Investigation ongoing	5



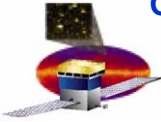
Status of NCRs Promoted to QARs

Open NCR	Corresponding QAR	Description	Resolution
880, 881, 902, 948, 949	1196-4894	EPU, SIU Reboots	CND, hold open
942	1196-4895	+X, -X LAT blanket replacement and final closeout	Close post TV at final closeout
946	1196-4876	ACD FREE board 5 power up	CND, hold open
855, 894	1196-4894	LATC verify and dump errors	CND, hold open



NCR Progress

- **NCRs in process**
 - **NCR 922 LKH stopped**
 - Root cause is likely decremter interrupt issue
 - JIRA FSW-847 prevents LHK lockup in response
 - **NCR 975 EPU timetag 4.2 seconds fast and NCR 989 SIU timetag 4.2 seconds fast**
 - Covered in JIRA FSW-744 and FSW-802
 - Cause identified by E. Siskind and replicated on test bed
 - **NCR 983 LTC file size changed**
 - New LTC files generated and in FMX, still need to integrate with script/MOOT
 - Needed before TV
 - **NCR 990 Watchdog timer**
 - Script change to accommodate watchdog timer settings has been identified
- **NCRs closing**
 - **NCR 992 (TEM phasing errors)**
 - LAT work is done, still need changes to on-line analysis



LAT Level Verification Status

Category	Verification Method					Totals	
	Test	Demo	Analysis	Inspection	Children	Complete	% Comp
	# Comp	# Comp	# Comp	# Comp	# Comp		
Requirement Identified	120	72	208	36	22	458	100.0%
Flow Down Complete	120	72	208	36	22	458	100.0%
Draft Verification Plans	120	72	208	36	22	458	100.0%
Final Verification Plans	120	72	208	36	22	458	100.0%
Verification Plans Executed	86	63	165	22	13	349	76.2%
Verification Reports Submitted	86	55	165	22	13	341	74.5%
Requirements Sold	83	51	150	21	12	317	69.2%
Expect Compliance	16	0	22	12	1	51	11.1%
Verifications Plan Deferred	18	9	19	2	8	56	12.2%
Requirements Issues	0	0	2	0	0	2	0.4%
Total VPs	120	72	208	36	22	458	

- **Progress this month**
 - All 458 VPs are Final
 - All VPs planned for execution to this point have been performed
 - 349 VPs have been executed to date
- **Status**
 - VCRM version 24 released
 - All deferred GRB reqts will be sold post FSW B1.0 installation