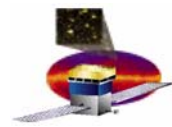


GLAST Large Area Telescope: LAT System Engineering

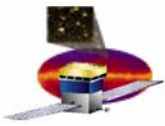
Pat Hascall
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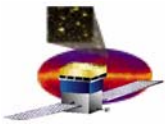
Issues

No.	Title/Description	Description/Status	Due Date	Actionee
2	X-lat to electronics thermal interface not complete	Design nearly complete, still a few issues to work out. Peer review expected by end of October (Nov 5)	Closed, Peer review held 5 Nov	N. Nordby
3	Technical baseline	Drawing Tree completion by end of Oct. All drawings under CM prior to flight build. 1 Jan need date under review	1 Jan 04	P. Hascall
5	EMI/EMC design	Following items will be implemented to mitigate EMI/EMC issues: E Ni plating on metal to metal surfaces, Cal to implement presented design mods EMI gaskets per discussions with Fred, Venting unchanged Design mods in place, implementation audit to follow		F. Blanchette
8/9	GTRC TOT timeouts, GTRC extra clock delay	Cause understood. Fix would require GTRC redesign or correct in TEM. Plan presented at 29 Oct 03 Monthly Review. Revisit when chip is complete	January	R. Johnson



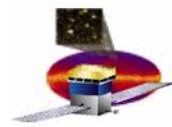
Issues (Continued)

No.	Title/Description	Description/Status	Due Date	Actionee
10	Tracker EM program completion	Mid Nov Vib test results under evaluation (loss of torque in bolts holding flexures to grid simulator) TV test planning in work.	19 Dec 03	R. Johnson
11	ACD TDA flexure / fiber interference	Rerouted fibers, tapered flexures and moved some flexures. Performing final analysis, drawings in review. – Presented in Engineering review in November	Closed	D. Thompson
12	ACD – LAT interface definition not complete (blanket attachment, grounding, cable tie downs, optical survey mounts)	Cable tie downs to be addressed by the LAT. Remainder in work at low priority. (Will be broken into several issues as Martin plans effort) Have new engr assigned to task	19 Dec for plan	M. Nordby



Issues (Continued)

No.	Title/Description	Description/Status	Due Date	Actionee
13	Tracker MCM attachment and wire bonding	Test boards from preproduction group to be sent to Italy for inspection to verify solution	1 Dec 03	R. Johnson
15	Radiator integration clearances not sufficient	Radiator integration approach in process	19 Dec	M. Nordby
16	Fly away instrumentation not finalized	Locations in the instrumentation plan must be finalized to be able to assess impacts to Tracker Grid and DAQ. Thermistors have been defined, internal accel counts bounded, strain guages are only on qual grid. Positions in work.	16 Jan 04	Hascall
17	New coupled loads results may create negative margins	Analysis complete. Results positive – critical loads went down. LAT Structural Analysis Report in work	Closed	J. Ku



Issues (Continued)

No.	Title/Description	Description/Status	Due Date	Actionee
18	EMI/EMC requirements and test	System analysis tool under development, requires subsystems help. Will result in test requirements documented in the Performance Verification Plan	9 Jan 04	F. Blanchette
19	ACD channelization (+X and -X faces)	ACD right FREE card (on the +X and -X) channel numbers are not consistent with the ICD. Change proposed, reviewed in weekly engineering meeting on Nov 4 04. CR in work, work authorized as an emergency change	Closed pending CR sign off	Hascall
20	PMT exposure to helium	The heat pipe pinch off tubes are close to the BEA, with the resulting potential for PMT helium exposure	16 Dec 03	Cullinan