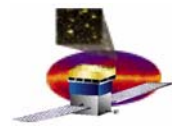


GLAST Large Area Telescope: LAT System Engineering

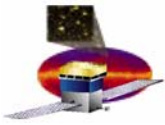
Pat Hascall
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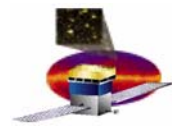
Issues

No.	Title/Description	Description/Status	Need 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)	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	ASAP	F. Blanchette
8	GTRC TOT timeouts	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



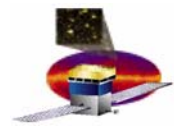
Issues (Continued)

No.	Title/Description	Description/Status	Need Date	Actionee
9	GTRC extra clock delay	Fix to GTRC to correct understood. Fixing clock rise time is not enough. Plan presented at 29 Oct 03 Monthly Review. Revisit when chip is complete	January	R. Johnson
10	Tracker EM program completion	Planned vib test in mid Nov and TV test starting early December using thermal model.	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. –Present in Engineering review in November	Nov	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)	1 Dec for plan	M. Nordby



Issues (Continued)

No.	Title/Description	Description/Status	Need 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	Resolution will impact either Grid wing cutouts or Radiator cut outs.	13 Nov	M. Nordby
16	Fly away instrumentation not finalized	Locations must be finalized to be able to assess impacts to Tracker Grid and DAQ. Radiator thermistors are the first priority due to DAQ schedule. Internal accels and strain gauge counts and locations to be updated by 31 October.	ASAP for thermistors	Hascall
17	New coupled loads results may create negative margins	Analysis nearly complete. Results positive – critical loads went down.	30 Oct	J. Ku



Issues (Continued)

No.	Title/Description	Description/Status	Need 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		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.	ASAP	