

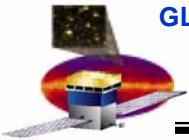
LAT Face to Face Manager's Meeting

1 June 2004

Interface Issues List

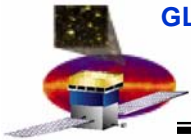
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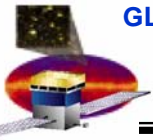
Interface and I&T Issues

- **The list of open issues is getting shorter!**
 - **Interface issues are slowly being driven to closure**
 - **Issues center on 3 issues that have been languishing**
 - **TKR requirements and effect on design: light-tightness and EMI shielding**
 - **Action plan: M. Nordby to work both issues once flight hardware designs are complete for TKR sub-assemblies**
 - **Integrated MLI design: need to pull together all blankets into an integrated design**
 - **Action plan: J. Goodman working this and working to line up blanket designer**
 - **Stay-clears: ACD and Radiators have stay-clear problems; neither is resolved yet**
 - **Action plan: R. Black coming up to speed, then will be working this. R. Bielawski already coordinating any possible impact on SC**
- **I&T planning issues list remains short**
 - **No intractable integration or test issues have been identified that would impact any interface designs**
 - **Integration drawings and procedure writing are in full swing—in two separate groups. These activities will be the likely source for identifying new problems (if any)**



Interface Design Issues List

#	Date	Subsystems	Status	Who	Est Comp Date	Description	Closure Info [Risk of Non-Closure]
Open Flight Hardware Design Issues							
139	13-Apr-04	TKR LAT	Open	R. Johnson		TKR top and bottom surfaces were intended to provide Faraday cage closeout of TKR, but was never planned for in h/ware design	6/1: No status change. Working higher priority internal TKR design and fab issues. [High schedule risk]
110	19-Dec-03	TKR LAT	Closed	M. Foss	1-Jun-02	Evaluate extent of TKR stay-clear violation at top of TKR and if we can accommodate this	6/1: COMPLETE; design and preliminary analysis of Corner Mount Bracket complete; detailing underway; stay-clear violation understood and is acceptable [Low schedule risk]
111	19-Dec-03	TKR LAT	Open	M. Nordby	22-Apr-04 28-May-04 15-Jun-04	Develop details for mounting of instrumentation/cabling on top and sides of TKR	6/1: not started, but all external constraints now identified and this can be resolved [Low technical risk]
112	19-Dec-03	TKR LAT	Closed	M. Nordby	1-Jun-04	Develop details of mounting survey tool and lifting fixture on top of TKR. Add to IDD and modify TKR Top Tray design as-needed	5/11: COMPLETE; designs and analyses largely complete; detailing and remaining analysis underway; no mod's to Top Tray needed [High schedule risk / Med technical risk]
130	13-Jan-04	TKR LAT	Open	M. Nordby		Develop light-tightness req for TKR and sealing method	6/1: no status change; working higher priority TKR internal design issues [High schedule risk]
133	12-Apr-04	ACD LAT	Open	M. Amato		ACD MM Shield bunches at the corners and billows; both produce stay-clear violations	6/1: still waiting for ACD to quantify extent of violation; medium risk [Medium technical risk]
115	19-Dec-03	ACD	Open	J. Goodman	25-Jun-04	Design ACD MLI blanket interface with other LAT blankets, including support and grounding	6/1: no status change; work not started [Medium technical risk, Medium schedule risk]
120	19-Dec-03	Rad	Open	J. Goodman	25-Jun-04	Design Rad MLI blanket interface with other LAT blankets, including support and grounding	6/1: no status change; work not started [Medium technical risk, Medium schedule risk]
123	19-Dec-03	X-LAT	Open	J. Goodman	25-Jun-04	Design X-LAT MLI blanket interface with other LAT blankets, including support and grounding	6/1: no status change; work not started [Medium technical risk, Medium schedule risk]
121	19-Dec-03	Rad	Open	S. Herzberg		Update Rad IDD to include cable routing. Check stay-clear with cables	6/1: no status change; IDD still pending with open interface violation issues regarding MLI seams [Low schedule risk]
128	19-Dec-03	Grid I&T	Open	J. Goodman	1-May-04 29-Jun -04	Finalize ground cooling plans and plumbing and design Chill Bars and their plumbing	6/1: X-LAT cooling routing complete; Grid Chill Bar design not yet started [Low technical risk]



I&T Planning Issues List

#	Date	Subsystems	Status	Who	Est Comp Date	Description	Closure Info [Risk of Non-Closure]
Open Integration and Test Planning Issues							
114	19-Dec-03	ACD Grid	Open	R. Black		Develop procedure for match-drilling ACD-Grid interface holes	6/1: no status change (draft procedure not yet finalized) [Low technical risk]
124	19-Dec-03	X-LAT I&T	Open	S. Herzberg		Develop XLHP shimming process and assembly/disassembly method to ensure design works	6/1: no status change; hardware for process testing completed, but testing not yet started [Low technical risk]
127	19-Dec-03	Grid	Open	R. Black		Qualify TFHP insertion process to ensure that grooves in Grid are correct	6/1: no status change; hardware for process testing completed, but testing not yet started [Low technical risk]
86	4-Oct-02	TKR LAT	Open	M. Nordby	1-Jun-04	Resolve TKR surveying methods, data at subsystem and LAT level	6/1: CLOSED; detail draft plan in process of being implemented by TKR group; process qual plan in place, using EM and re-worked mini-tower [Medium schedule / high technical risk]
134	12-Apr-04	ACD LAT	Open	M. Nordby		Define ACD dimensional inspection data required as part of EIDP at delivery	6/1: no status change; will be wrapped into updated LAT Survey Plan, which has been started [Low schedule risk]
135	12-Apr-04	CAL LAT	Open	M. Nordby		Define CAL dimensional inspection data required as part of EIDP at delivery	6/1: no status change; will be wrapped into updated LAT Survey Plan, which has been started [Low schedule risk]
137	12-Apr-04	LAT	Open	J. Ku	16-Apr-04	Environmental Spec stopped in release cycle--rec'd update random vibe levels from GSFC and they need to be included	6/1: No status [Low technical risk]
138	11-May-04	Elec	Open	J. Ku	25-Jun-04	E-Box vibe test plans are immature, especially analysis to determine if stacked-box testing is needed	6/1: no status [Medium schedule risk]