

SPIRE/PACS (CEA-SBT)	Monthly Report – October 2006	Date:	November 3 rd , 2006
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SPIRE-SBT-REP-002811

Work Package: Cooler

1. Subsystem Progress Since Project Inception		
FM SPIRE and PACS delivered.		
2. Subsystem Progress This Month		
<ul style="list-style-type: none"> - <i>FM1 (SPIRE) and FM2 (PACS)</i> : Delivered. - <i>PACS – Level 0 Interface</i> : 8 Level 0 straps and 4 tripods have been thermally characterized. All results consistent with previous measurements (in particular no effect of Vtest on copper flex link thermal conductance) - <i>FS PACS and SPIRE</i>: Both units successfully went through HCR401(301), one week bake out and HCR402(302). SPIRE recycling kinetic OK with pump heat switch miniature pump raised to 30K (see September progress report). Vibration tests at CSL on week 45. 		
3. Problem Areas	Remedial Action	
SPIRE FS pump heat switch kinetic (OFF to ON)	New procedure proposed. To be validated thru testing	
4. Engineering Activities		
5. Design Changes		
6. PA/QA Activities		
General QA management.		
7. Subsystem Management Issues		
None		
8. Actions Requiring Immediate Attention		
SBT documents approval by SPIRE and PACS projects		
9. Status of Previous Actions		
None		
10. Activities Yet to be Achieved		
11. Milestones	Status	
Spring 2006	FS final assembly	Done
Summer 2006	FS acceptance program	In progress
Autumn 2006	FS delivery	
12. Schedule Changes		
13. Joke of the Month		
<p>A man in a hot air balloon realized he was lost. He reduced altitude and spotted a man below. He descended a bit more and shouted, "Excuse me, can you help me? I promised a friend I would meet him half an hour ago, but I don't know where I am."</p> <p>The man below replied, "You are in a hot air balloon hovering approximately 30 feet above the ground. You are between 40 and 42 degrees north latitude and between 58 and 60 degrees west longitude."</p> <p>"You must be an engineer," said the balloonist.</p> <p>"I am," replied the man, "but how did you know?"</p> <p>"Well," answered the balloonist, "everything you told me is technically correct, but I have no idea what to make of your information, and the fact is I am still lost."</p> <p>The man below responded, "You must be a manager."</p> <p>"I am," replied the balloonist, "how did you know?"</p> <p>"Well," said the man, "you don't know where you are or where you are going. You made a promise which you have no idea how to keep, and you expect me to solve your problem. The fact is you are exactly in the same position you were in before we met, but now, somehow, it's my fault."</p>		