

SPIRE/PACS (CEA-SBT)	Monthly Report – September 2006	Date:	October 2 nd , 2006
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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> : Vtests successfully carried out. Thermal characterisation of some MPE items to follow at SBT (in particular one flexible strap to check for any thermal performance degradation) - <i>FS PACS and SPIRE</i>: Both units went through HCR401(301), one week bake out and HCR402(302: still on going for SPIRE). No problem spotted for FS PACS. For FS SPIRE, during HCR301 a problem has been spotted on the pump heat switch kinetic: long delay to turn ON. An NCR has been raised and an MRB has been held with RAL. For the time being, we have agreed to go on with the acceptance program and to validate thru extensive testing the solution proposed by SBT, ie raised the temperature of the minipump to 30K to turn ON the switch (can then be set down to 20K). To follow: vibration tests at CSL (no time slot before November) 		
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>The comic strip 'FoxTrot by Bill Amend' depicts a character at a counter asking for various colored bulls. The dialogue is as follows:</p> <ul style="list-style-type: none"> Character: DO YOU SELL ULTRAVIOLET BULL? Counter: EXCUSE ME? Character: WHAT ABOUT REGULAR VIOLET BULL? Counter: NO. Character: BLUE BULL? Counter: NO. Character: GREEN BULL? Counter: NO. Character: YELLOW BULL? Counter: NO. Character: ORANGE BULL? Counter: NO. Character: RATS, OK, I'LL TAKE A RED BULL. Character: I WAS HOPING FOR SOMETHING A LITTLE HIGHER-ENERGY, AT LEAST IT ISN'T INFRARED BULL. 		