

SPIRE/PACS (CEA-SBT)	Monthly Report – August 2005	Date:	September 5 th , 2005
--------------------------------	-------------------------------------	--------------	-------------------------------------

SPIRE-SBT-REP-002509

Work Package: Cooler

1. Subsystem Progress Since Project Inception		
FM SPIRE unit delivered. FM PACS unit : Pending delivery		
2. Subsystem Progress This Month		
<ul style="list-style-type: none"> - FM1 (SPIRE) : Undergoing tests in flight instrument. - FM2 (PACS) : EIDP available – has been sent to SAp and CNES. “Virtual” delivery held on August 25th: EIDP has been commented and updated accordingly by SBT. Cooler is in its transportation container waiting to be picked up by SAp. - Heat switches : Production of new set in progress (5 “standard” and 5 with new brazing process) - PACS – Level 0 Interface : Work on going. Various prototype straps have been thermally characterized. To be confirmed, but solution with end straps pressure welded, and then TIG welded on interface parts seems the most attractive. - FS PACS: Awaiting availability of heat switches for final integration. - FS SPIRE: Cooler heart to be filled shortly. 		
3. Problem Areas	Remedial Action	
Heat switch brazing process	New process to be validated. Plus current process slightly updated.	
4. Engineering Activities		
5. Design Changes		
Minor modifications on heat switch parts (play). New interface for level 0 strap : pending validation		
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
Mid 2004	FM assembling	Completed
Fall 2004	FM Acceptance program	Completed
Fall 2004	FM1 SPIRE Delivery	Completed
Summer 2005	FM2 PACS Delivery	Partly completed (EIDP reviewed. Cooler still at SBT awaiting to be picked up).
2005	FS program	On going
12. Schedule Changes		