

<b>SPIRE/PACS</b> (CEA-SBT)	<b>Monthly Report – September 2005</b>	<b>Date:</b> October 4 <sup>th</sup> , 2005
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SPIRE-SBT-REP-002559
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**Work Package: Cooler**

<b>1. Subsystem Progress Since Project Inception</b>		
FM SPIRE and PACS delivered.		
<b>2. Subsystem Progress This Month</b>		
<ul style="list-style-type: none"> <li>- <i>FM1 (SPIRE)</i> : Undergoing tests in flight instrument.</li> <li>- <i>FM2 (PACS)</i> : Delivered. Picked up by SAP on September 20<sup>th</sup>.</li> <li>- <i>Heat switches</i> : Production of new set in progress (5 “standard” and 5 with new brazing process). Again problems with the subcontractor in charge of the brazing. Brazing failed on first standard switch (HS dead now); Also failure on first switch made following new process (proposed by subcontractor). New process revisited (again) by subcontractor. Technical meeting planned on October 5<sup>th</sup> to square things out with subcontractor.</li> <li>- <i>PACS – Level 0 Interface</i> : Set of parts for level 0 straps at cooler level manufactured (ie straps between switch I/F and Vespel holder). TIG welding of copper strands in progress. Vespel parts also manufactured.</li> <li>- <i>FS PACS</i>: Awaiting availability of heat switches for final integration.</li> <li>- <i>FS SPIRE</i>: Cooler heart filled and pre thermal tests successfully carried out. Awaiting availability of heat switches for final integration</li> </ul>		
<b>3. Problem Areas</b>	<b>Remedial Action</b>	
Heat switch brazing process	New process revisited. Plus current process slightly updated.	
<b>4. Engineering Activities</b>		
<b>5. Design Changes</b>		
Minor modifications on heat switch parts (play). New interface for level 0 strap : pending validation		
<b>6. PA/QA Activities</b>		
General QA management.		
<b>7. Subsystem Management Issues</b>		
None		
<b>8. Actions Requiring Immediate Attention</b>		
SBT documents approval by SPIRE and PACS projects		
<b>9. Status of Previous Actions</b>		
None		
<b>10. Activities Yet to be Achieved</b>		
<b>11. Milestones</b>		<b>Status</b>
Mid 2004	FM assembling	Completed
Fall 2004	FM Acceptance program	Completed
Fall 2004	FM1 SPIRE Delivery	Completed
Summer 2005	FM2 PACS Delivery	Completed
2005/2006 (?)	FS program	On going
<b>12. Schedule Changes</b>		