

SPIRE/PACS (CEA-SBT)	Monthly Report – October 2004	Date: November 3 rd , 2004
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Work Package: Cooler

1. Subsystem Progress Since Project Inception		
FM / FS units acceptance program in progress		
2. Subsystem Progress This Month		
<ul style="list-style-type: none"> - FM1 (SPIRE) : 1st set of thermal tests, 1 week 80°C bake out, 2nd set of thermal test and vibration tests successfully carried out (all results as predicted). Vibration tests report to be issued by CSL shortly. Third and last set of thermal tests currently ongoing : results so far indicate the cooler is operating as before. Anomaly on switch redundant heater which had to be replaced has had no impact on the performance. FM1 expected to be ready for delivery week 46. - EIDP status : building up – first draft expected week 46 - FM2 (PACS) : Same as for FM1 except third set of thermal test to be done in the coming weeks. - Heat switches : New batch of 4 currently being manufactured (for spares and as replacement for PACS FS (1 used for STM titanium)). - Titanium STM : Has undergone the cold Vtest at CSL with no apparent mechanical failure - Cooler Drive Electronic (Lab) : now used for all models in the lab - FS assembling on hold : awaiting thermometers and heaters from SAp 		
3. Problem Areas	Remedial Action	
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 – Delivery by SAp of thermometers and heaters for flight spare units		
9. Status of Previous Actions		
None		
10. Activities Yet to be Achieved		
11. Milestones		Status
Winter 00-01	Coolers Detailed Design	Completed
May 17 th 2001	Coolers DDR (PACS & SPIRE)	Completed
June 26 th 2001	Subcontractor selection for machining	Completed
October 2001	Parts Delivery	Completed
Spring 2003	CQM Coolers assembling	Completed
Nov/Dec 2001	STM Coolers Assembling and Vtest	Completed
Nov. 2002	STM Coolers delivery	Completed
Spring 2003	CQM Coolers Qualification	Completed
Autumn 2003	CQM Coolers Delivery	Completed
Winter 2003	FM manufacturing	Completed
Spring / Summer 2004	FM assembling	Completed
Fall 2004	FM Acceptance program	On going
12. Schedule Changes		