SPIRE/PACS (CEA-SBT)	Monthly Report – March 2006	Date:	April 6th, 2006

SPIRE-SBT-REP-002665

Work Package: Cooler

1. Subsystem Progress Since Project Inception

FM SPIRE and PACS delivered.

2. Subsystem Progress This Month

- ***FM1 (SPIRE) and FM2 (PACS)*** : Delivered. Undergoing tests (RAL and SAp).
- ***Heat switches*** : The 9 switches went through the selection process (thermal tests, vibration tests, geometrical characterization). Out of these 9 switches, 6 have been accepted and 4 (out of these 6) have been selected for the spare units. These 6 switches will be gold plated on April 7th. The thermometers and heaters (flight grade) will then be mounted. ***PACS – Level 0 Interface*** : Manufacturing in progress. EB welding phase / Gold plating / Thermal tests to follow. First set expected for delivery to MPE end of May.
- ***FS PACS and SPIRE***: Both cooler hearts are mounted in their structure. Kevlar strings have been installed and trained. Awaiting availability of heat switches to pursue assembly

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

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	Completed
2005/2006 (?)	FS program	On going

12. Schedule Changes

13. Joke of the Month

An engineer, a physicist, and a mathematician are trying to set up a fenced-in area for some sheep, but they have a limited amount of building material. The engineer gets up first and makes a square fence with the material, reasoning that it's a pretty good working solution. "No no," says the physicist, "there's a better way." He takes the fence and makes a circular pen, showing how it encompasses the maximum possible space with the given material.

Then the mathematician speaks up: "No, no, there's an even better way." To the others' amusement he proceeds to construct a little tiny fence around himself, then declares:

"I define myself to be on the outside."