

<b>TRR MoM</b>	<b>Date:</b> 01-NOV-2006	<b>NUMBER</b>	<b>SPIRE-RAL-MOM-002767 – Issue 1</b>
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<b>Spacecraft / Project</b>	Herschel / SPIRE
<b>Instrument / Model</b>	PFM
<b>Sub System / Serial No.</b>	N/A

<b>Type of Test</b>	Post Vibration Verification – PFM-4
<b>AIV Facility Test No.</b>	N/A
<b>Location &amp; Date(s) of Testing</b>	SPIRE Test Facility
<b>Applicable Test Specification (Document No. &amp; Issue)</b>	SPIRE-RAL-DOC-002535 – Issue 2.0
<b>Applicable Test Procedure (Document No. &amp; Issue)</b>	SPIRE-RAL-PRC-002748 – Issue 1.0
<b>AIV Facility Test Plan (if applicable?)</b>	N/A

<b>Documentation / Inspection Status</b>	
<b>As Built Status? List of all items /Parts Special Instructions</b>	Currently at issue 2.8 – Numbers of JFET modules to be updated.
<b>Inspection Status and Records:</b>	
<b>Hazards Identified</b>	Ref SPIRE risk assessment ESD precautions to be observed – only trained personnel to access lab.
<b>Cleanliness</b>	Inspected in G56 Test facility to be class 6 (old 1000)
<b>Unit/Item Bagged</b>	N/A
<b>Screws Locked</b>	N/A
<b>Connector Savers</b>	Are being used on FPU and Warm Units
<b>Other</b>	Adaptors fitted to MCU P17 & P18 to correct error in warm test harness.

<b>Assignment of Personnel</b>		
<b>Function</b>	<b>Name</b>	<b>Contact number</b>
<b>Test Director</b>	Dave Smith	Ext 5996
<b>Project Manager</b>	Eric Sawyer	Ext 5385
<b>AIV Facility Manager</b>	Dave Smith	Ext 5996
<b>Safety Officer</b>	Dave Smith	Ext 5996
<b>Product Assurance</b>	Eric Clark	Ext 5662

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**CONTINUATION SHEET**

<b>As Built Status</b> (Will the following have an Impact on the test performance / results?)	
Review of all "NCR's"	To be reviewed offline.
Review of all "Waiver's"	None
"Open Work"	See below
Other	
MIP's or KIP's	

<p><b>ACTIONS / COMMENTS / OBSERVATIONS:</b></p> <p><b>Status</b> All work completed on FPU and cryostat. FPU is now in cryostat and cooling down.</p> <p>Action: Dave &amp; Doug to add JFET module numbers to be updated in ABCL</p> <p><b>SMEC</b> – latching/unlatching has NOT been tested on FPU at low temperatures. This will be tested at the end of the PFM-4 test campaign. <b>IMPORTANT NOTE</b> – current version of OBS might NOT have any of the safety features associated with the latching – or at least they have not been tested.</p> <p>Action: Investigate whether safety features have been implemented in current version of OBS. If not raise an SPR to make sure that this gets into 2.2.E.</p> <p>Action: Update scripts to ensure that latching can only be performed in two stages – i.e. enable unlatching and then send unlatch command.</p> <p><b>OBS</b> Currently on 2.2.D for functional tests and performance tests. Will need to switch to version 2.2.E for PTC tests (due Friday week). Testing of later versions can be done on AVM1 units.</p> <p><b>DCRU</b> No open work – acceptance tests were successful.</p> <p><b>HCSS</b> Acceptance tests of 0.3.6 completed – may need to be updated for AOT tests (to be investigated). Action: Sunil to investigate the need for future update of HCSS for AOTs</p> <p><b>Scripts</b> Need to give a CVS tag before getting cold – in progress. Update to PTC and recycle VMs required. Current cooler recycle VM can be used for this test campaign.</p> <p>Action: Anso and Doug to define updates to VMs – cooler recycle VM needed by end of this week.</p> <p>Action: Snapshot of current system is needed as soon as test scripts have been updated.</p> <p><b>QLA</b> V3.2 installed – has tables for redundant side.</p>
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**Planning**

Dave to produce test rota.

Cool functional test on 3<sup>rd</sup> November (prime & redundant)

Transfer He on 6<sup>th</sup> November

Current plan is to be cold by 7<sup>th</sup> November

Cold functional tests on 7<sup>th</sup> November - note both heat switches to be closed after functional test.

Vss tests before 1<sup>st</sup> cooler recycle.

Will be working a 2 shift system as before. Weekends are maintenance and tests requiring minimum activities (e.g. thermal, AOTs).

Sarah here for next 3 weeks  
Ivan here for end November and start of December  
Henri and Rene' will be here to support cold functional tests.  
Hien and Bernard should be coming over (details TBC)  
Locke will be coming over from Mid November to February.  
LAM will be coming 3<sup>rd</sup> week of November to support SMEC testing.

Doug will be leaving UK for 4 weeks from end of November.

Mechanism tests will be performed early on during the functional tests.

**AOB**

FPGA running times need to be logged

Visitor's PC to be set up in control room.

**Test Readiness**

We are ready to go.

<b>Decision for test continuation:</b>		<b>YES / NO / REVIEW</b>	<b>Review Date:</b>
<b>Company</b>	<b>Name</b>		
RAL	Eric Sawyer Dave Smith Ken King Bruce Swinyard	Tanya Lim Doug Griffin Sunil Sider Asier Aramburu Eric Clark	
Cardiff	Matt Griffin		