

<b>TRR MoM</b>	<b>Date:</b> 17 June 03	<b>NUMBER</b>	<b>SPIRE-RAL-MoM-001713</b>
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<b>Spacecraft / Project</b>	Herschel
<b>Instrument / Model</b>	<i>SPIRE / STM</i>
<b>Sub System / Serial No.</b>	

<b>Type of Test</b>	COLD ALIGNMENT Test
<b>SPIRE Facility Test No-</b>	
<b>Date(s) of Testing</b>	Start in-air (warm) test 18/06/03 provided Level 1 thermal strap / link arrives
<b>Applicable Test Specification (Document No. &amp; Issue)</b>	SPIRE-LAM-PRJ-000445 SPIRE OPTICAL ALIGNMENT PLAN SPIRE-RAL-DOC 001578 Draft 2 COLD ALIGNMENT PLAN
<b>Applicable Test Procedure (Document No. &amp; Issue)</b>	SPIRE-LAM-PRJ-000637 Draft 4 SPIRE ALIGNMENT SEQUENCE

**Assignment of Personnel**

<b>Function</b>	<b>Name</b>	<b>Contact number</b>
Test Director	Dave Smith	Ext 5996
Project Manager	Eric Sawyer	Ext 6385
AIV Facility Manager	Dave Smith	Ext 5996
Safety Officer	Dave Smith	Ext 5996
Product Assurance	Eric Clark	Ext 5662

**Documentation / Inspection Status**

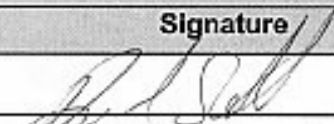

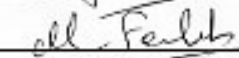
<u>Test Documentation available:</u>	<ul style="list-style-type: none"> <li>AIV Facility Test Plan (if applicable?)</li> <li>Verification Procedures</li> </ul>	<p>Test plan SPIRE-RAL-DOC 001578 COLD ALIGNMENT PLAN to be issued at 1 Currently Draft 2.</p> <p>Thermal conductance of JFET rack feet to be done at the same time SPIRE-RAL-PRJ-001674 refers.</p>
<u>Inspection Status and Records:</u>	<ul style="list-style-type: none"> <li>Cleanliness</li> <li>Unit/Item Bagged</li> <li>Screws Locked</li> <li>Connector Savers</li> <li>Hazards Identified</li> <li>Other</li> </ul>	<p>11 points tested for air born partial SPIRE-RAL-Rep TBW to include spread sheet</p> <p>PFO to be fitted</p> <p>Procedure to be Written for above actions</p> <p>Instrument cleaned and double bagged for transport to SPIRE clean room.</p> <p>Not applicable</p> <p>Not applicable</p> <p>SPIRE calibration facility Risk Assessment performed. RISKS identified are: Large 300mm Vacuum window has cover fitted potential implosion /explosion action to investigate if an acceptable cover that can be left in place during cold alignment can be found. Current cover is only removed for alignment.</p> <p>Cryogenics are used in clean room Oxygen monitors are used always two people in the clean room when filling tanks.</p> <p><i>See hardware comments/observations.</i></p>

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<b>As Built Status</b> <i>(Will the following have an Impact on the test performance / results?)</i>	
Outstanding "NCR's"	Some NCR's are open see SPIRE-RAL-MoM-001717 NCR MRB minutes for actions and closure
Outstanding "Waiver's"	None
"Open Work"	<ol style="list-style-type: none"> <li>1. Thermal links to be fitted</li> <li>2. External heaters and thermometry required</li> </ol>
Other	<ol style="list-style-type: none"> <li>1. Window checked for fit OK accept some fixing holes will require enlarging</li> <li>2. Remove cover on entrance baffle</li> <li>3. Set up OGSE</li> <li>4. Connect Thermal Links</li> <li>5. Close End Caps</li> </ol>

**HARDWARE COMMENTS/ OBSERVATIONS:**

- OGSE Harness:
- JFET Harness:
- Fit Alignment Cube:
- Install PFO:
- Back up solution under vacuum is possible

Decision for test continuation		
Company	Name	Signature
RAL	Dave Smith	
LAM	Alain ORIGNE	
RAL	Mark Ferbit	
RAL	ERIC CLAN	