

TRR MoM	Date: 23 rd August 2005	NUMBER	SPIRE-RAL-MoM- 002497 v2
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Spacecraft / Project	Herschel / SPIRE
Instrument / Model	<i>SPIRE / PFM2</i>
Sub System / Serial No.	N/A

Type of Test	<i>PFM2 Test</i>
AIV Facility Test No.	
Location & Date(s) of Testing	<i>RAL 15th August 2005</i>
Applicable Test Specification (Document No. & Issue)	SPIRE –RAL-NOT 001652 Iss 1.4
Applicable Test Procedure (Document No. & Issue)	SPIRE –RAL-PRC-002468
AIV Facility Test Plan (if applicable?)	
Procedure Control Document (if applicable?)	To Be Added. DS to Check with KK

Documentation / Inspection Status

• As Built Status? <i>List of all items /Parts</i>	PFM Build Standard Issue 2
• Special Instructions	None
Inspection Status and Records:	
• Hazards Identified	RAL Safety Code
• Cleanliness	SPIRE-RAL-DOC 001070
• Unit/Item Bagged	N/A
• Screws Locked	Not Applicable for this test
• Connector Savers	Fitted
• Other	None

Assignment of Personnel

Function	Name	Contact number
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

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CONTINUATION SHEET

<p align="center">As Built Status (Will the following have an Impact on the test performance / results?)</p>	
Review of all "NCR's"	<p>Two need to be raised Allocated HR-SP-RAL NCR 127 BDA open CCT, Allocated HR-SP-RAL NCR 128 Prime PHOT DET Box temp sensor.</p> <p>OPEN NCRs HR-SP-RAL NCR 126 JFET Labeling HR-SP-RAL NCR 125 Back Harness HR-SP-RAL NCR 123 Phot box Black tiles Foul on Dichroics. HR-SP-RAL NCR 121 L0 straps fouls on integration due to Slight distortion HR-SP-JPL-NCR 006 Yield Degradation of JFET Module ? HR-SP-RAL NCR 108 Autonomous Shut Down of LIAs closed by QM2 delivery HR-SP-RAL NCR 103, 100, 93 & 67 To be closed. HR-SP-RAL NCR 114, Air Leak GSE Open HR-SP-RAL NCR 112 Faulty Regulator GSE Open HR-SP-RAL NCR 111 Vacuum Gauge failure GSE Open HR-SP-RAL NCR 086v1 Temp sensor failure During cool down GSE Open HR-SP-RAL NCR 084v1 Facility Heater failure on L0 Thermal Straps during cool down GSE Open</p> <p>HR-SP-RAL NCR 119 The CDMS Simulator clock drifts with respect to system time of Computer. can be closed not a problem. HR-SP-RAL NCR 105 Simultaneous generation of BSM and SMEC frames leads to Frame ID error reports SS to check HR-SP-RAL NCR 115 The TFTS rejected all commands from SCOS during PFM1 testing close SS to Update HR-SP-RAL NCR 117 Anomalous HK Parameter Values are observed during DCU science generation at some bias and sampling frequencies SS to check HR-SP-RAL NCR 118 Separate Switch on commands for DRCU, MCU, SPEC & PHOT LIA's rejected SS to update</p> <p>NCR's from CEA DRCU QM2 Data Pack NCR 368 DCU QM2 RAL, Noise at LIA input exceeds budget. NCR 369 DCU & FCU QM2 RAL, not compliant with FM type MICD use as is, NCR 360 Reset Bias.</p> <p>No Blocking Items</p>
Review of all "Waiver's"	<p>RFW 005 JFET dissipation (does not hold up testing) No Blocking Items.</p>
"Open Work"	<p>Comments from Review meeting v2 in Green Fit Black Body. Fitted & tested O/K Insert Instrument in Cryostat. Done Complete Warm Functional Test. Done TFCS check out before close up. Done Warm Thermometry Harnesses need to be sorted out Still Open Control Procedure for PTC required. Still Open Close up Telescope simulator Box. Still Open DPU CFM will not be used for this 1st stage of Test. Test work around for generating SPIRE command List ??? Test procedure , cold functional test to be updated, AOT test procedures to be written, ??? Performance test procedures to be written. ??? FPU Heaters to be Checked</p>

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Other	Check RGA status Dave to Check Check if Cleanliness report done TBD EC to Check with Mike Trower
MIP's or KIP's	This TRR is a MIP

ACTIONS / COMMENTS / OBSERVATIONS:

Report/log from Sunil to be referenced in this MoM's

ECR 076 Swapping of commands for codes for Cooler HS Heaters. At an Impasse. Documentation does not reflect Hardware add corrective note to DRCU ICD, DPU ICD. DATA ICD

As long as TFCS test and warm tests are OK Cryostat can be closed and pump down started

Decision for test continuation:		REVIEW	Review Date:	22/08/05
Company	Name		Signature	
RAL	KEN KING			
RAL	ERIC SAWYER			
RAL	BRUCE SWINYARD			