

SPIRE	Project Document	Ref	SPIRE-RAL-PRJ-0001080
		Issue	1.
	Engineering Change Request Status Reports	Date	30 January 2002
			Page 1 of 1

SPIRE

SUBJECT: **Engineering Change Request Status Reports**

PREPARED BY: **E A Clark**

DOCUMENT No: **SPIRE-RAL-PRJ-0001080**

ISSUE: **Issue 1** **Date:** **30 January 2002**

APPROVED BY: **Name** **Date:** **Signature**
Project Manager **K.J. King**

Instrument E. Sawyer
Development
Manager

Product Assurance Eric Clark
Manager

Distribution

Live Link



List of Change Proposals

PRODUCT ASSURANCE
SPACE SCIENCE DEPARTMENT
Rutherford Appleton Laboratory

Spacecraft/Project: HERSCHEL	Originator: RAL/SSTD/PA
Instrument: SPIRE Model: All	Document No.: PIRE-RAL-PRJ-0001080 Issue: 1
Subsystems:	Date: 29-Jan-02

<i>ECR Serial No.</i>	<i>Subsystem / Assembly</i>	<i>Model</i>	<i>ECR Title</i>	<i>Issue Date</i>	<i>Remarks</i>	<i>References</i>	<i>Approved?</i>	<i>Approval Date</i>
HR-SP-CDF-ECR-1	Internal FPU (PCAL & SCAL)	All	Changes to the callibrator specifications in the SPIRE instrument Requirements Document	25-Jul-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date:		No	
HR-SP-CDF-ECR-2	Spectrometer FPU		Changes to the SCAL FPU harness definition	08-Jan-02	Actions Complete Date:		No	
HR-SP-IFSI-ECR-1	DPU		Data compresion and integration	30-Aug-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
HR-SP-IFSI-ECR-2	DPU		Telemetry packets buffering / Data buffering	30-Aug-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
HR-SP-IFSI-ECR-3	DPU		Housekeeping Packets	30-Aug-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
HR-SP-IFSI-ECR-4	DPU		Eternal Stress	30-Aug-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
HR-SP-IFSI-ECR-5	DPU		S/C safety	30-Aug-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02

Spacecraft/Project: HERSCHAL	Originator: RAL/SSTD/PA
Instrument: SPIRE	Document No.: PIRE-RAL-PRJ-0001080
Subsystems:	Issue: 1
Model:	Date: 29-Jan-02

ECR Serial No.	Subsystem / Assembly	Model	ECR Title	Issue Date	Remarks	References	Approved?	Approval Date
6	DPU		Instrument safety	30-Aug-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
1	JPL Detectors		Changes to the BDA Subsystem Specification Document	11-Oct-01	Actions Complete Date: 29/Jan/2002	SPIRE-JPL-PRJ-000456	Yes	29-Jan-02
1	DCU		LIA output low pass filter type	10-Sep-01	CEA were asked to furnish component values for a Bessel response in May/June but the above mentioned simulations have used "generic" Actions Complete Date:	DRCU Spec Issue 0.8	No	
1	Shutter		Rewrite of IRD	18-Sep-01	USK-NOT-000830 Attached gives details of changes. Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
2	OPTICAL		Maximum Chop Throw	14-Sep-01	Issued in ERROR Duplicated see HR-SP-RAL-ECR-016 Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
3	CEA-SBT Cooler		Electrical isolation Active Cooler parts to mounting frame.	29-Oct-01	Actions Complete Date:		No	
4	HSDCU		Bring connectors into line with System Design.	15-Nov-01	Actions Complete Date:	CEA final HSDCU packaging	No	
5	IID-B		SPIRE IID-B UPDATE, #1 and #7 based on Jean Bruston's list. Largely a re-submission of information collated on 26th September under points JD1-31,	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
6	IID-B		SPIRE IID-B UPDATE, #2 based on Jean Bruston's list. Largely a re-submission of information collated on 26th September under points JD1-31,	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	

Spacecraft/Project: HERSCHAL	Originator: RAL/SSTD/PA
Instrument: SPIRE	Document No.: PIRE-RAL-PRJ-0001080
Model:	Issue: 1
Subsystems:	Date: 29-Jan-02

ECR Serial No.	Subsystem / Assembly	Model	ECR Title	Issue Date	Remarks	References	Approved?	Approval Date
7	IID-B		SPIRE IID-B UPDATE, #3 based on Jean Bruston's list. Largely a re-submission of information collated on 26th September under pointsJD1-31,	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
8	IID-B		SPIRE IID-B UPDATE, #4 based on Jean Bruston's list. Largely a re-submission of information collated on 26th September under pointsJD1-31,	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
9	IID-B		SPIRE IID-B UPDATE, #5 based on Jean Bruston's list. Largely a re-submission of information collated on 26th September under pointsJD1-31,	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
10	IID-B		SPIRE IID-B UPDATE, #6 based on Jean Bruston's list. Largely a re-submission of information collated on 26th September under pointsJD1-31,	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
11	IID-B		SPIRE IID-B UPDATE, #8 based on Jean Bruston's list. Largely a re-submission of information collated on 26th September under pointsJD1-31,	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
12	IID-B		SPIRE IID-B UPDATE, based on pointsJD7, from even earlier information	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
13	IID-B		Further SPIRE IID-B UPDATES, based on pointsJD25, 29,30 and 31, from even earlier information	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
14	IID-B		SPIRE AIV Details	19-Nov-01	Actions Complete Date:	SCI-PT-IIDB/SPIRE-02124	No	
15	Cryostat		Addition of port for vacuum pressure gauge head	23-Nov-01	Actions Complete Date:	KG0710-001	No	

Spacecraft/Project: HERSCHAL	Originator: RAL/SSTD/PA
Instrument: SPIRE Model:	Document No.: PIRE-RAL-PRJ-0001080 Issue: 1
Subsystems:	Date: 29-Jan-02

ECR Serial No.	Subsystem / Assembly	Model	ECR Title	Issue Date	Remarks	References	Approved?	Approval Date
16	BSM		Required Chop Throw on BSM	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
17	BDA		Microphonic Susceptibility	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
18	BDA		EMI Susceptibility	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
19	BDA		Ionising Radiation	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
20	FPU RF Filters		Envelope	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
21	RF Filter		Electrical Interface	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
22	Instrument		Instrument Level EMC Requirements	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
23	Thermometers		Required Chop Throw on BSM	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR ue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			
24	SMEC		Required velocity range for SMEC in IRD	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR	PRJ-000034	Yes	11-Jan-02
					Actions Complete Date: 11/Jan/2002			

Spacecraft/Project: HERSCHAL	Originator: RAL/SSTD/PA
Instrument: SPIRE Model:	Document No.: PIRE-RAL-PRJ-0001080 Issue: 1
Subsystems:	Date: 29-Jan-02

<i>ECR Serial No.</i>	<i>Subsystem / Assembly</i>	<i>Model</i>	<i>ECR Title</i>	<i>Issue Date</i>	<i>Remarks</i>	<i>References</i>	<i>Approved?</i>	<i>Approval Date</i>
HR-SP-RAL-ECR-25	SMEC		Velocity Stability	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
HR-SP-RAL-ECR-26	SMEC		Envelope	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
HR-SP-RAL-ECR-27	Structure		Global Alignment Requirement	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
HR-SP-RAL-ECR-28	Structure		Attenuation of RF by Instrument Covers	23-Nov-01	Issue of V1.1 of Spire-RAL-PRJ-000034 closes ECR Actions Complete Date: 11/Jan/2002	PRJ-000034	Yes	11-Jan-02
LAM-QUA-SPL-ECR-200101	LAM.QUA SMEC & BSM H		Current and resistance for launch Latch(es) Harness	12-Jul-01	Actions Complete Date:		No	
LAM-QUA-SPL-ECR-200102	LAM.QUA SMEC & BSM H		Addition of second latch for SMECm	12-Jul-01	Actions Complete Date:		No	

END OF LIST