



**MINUTES OF MEETINGS  
(MoM)**

**PRODUCT ASSURANCE  
Space Science and Technology  
Department**

<b>Subject / Title:</b>	<b>SPIRE NCR NRB</b>	<b>Document No:</b>	<b>SPIRE-RAL-MoM-002849</b>	<b>Date</b>	<b>07-Feb--07</b>	<b>Page 1 of 1</b>
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<b>Spacecraft / Project</b>	Herschel / SPIRE	<b>Meeting Place</b>	SPIRE PROJECT ROOM
<b>Instrument / Model</b>	SPIRE ALL	<b>Subsystem</b>	N/A

<b>Participants</b>		<b>Agenda</b>
<i>Print Name &amp; Company</i>	<i>Signature Required</i>	
RAL <b>Eric Clark</b>		<ul style="list-style-type: none"> <li>• Review RAL NCR's</li> <li>• Review Non RAL NCR's</li> </ul>
RAL <b>Eric Sawyer</b>		
RAL <b>Ken King</b>		
RAL <b>Doug Griffin</b>		
		<b>Additional Distribution</b> <b>SPIRE Project Office (Judy Long)</b>

NCR Serial Code	NCR No	Level	Subsystem	Assembly	Model	Issue Date	Title	Action	Remarks	SPiRE-RAL-MoM-002849 Results
HR-SP-RAL-NCR-	105	Major	MCU	CQM1	QM1 CQM	03-Feb-05	Simultaneous generation of BSM and SMEC frames leads to Frame ID error reports	See NCR	Closed awaiting Ken to Sign We have QM2 MCU now. The NCR was raised on QM1 MCU. Ken reminded to sign it 21-11-06	<b>CLOSED</b> Awaiting Ken to Sign
HR-SP-RAL-NCR-	127	Minor	BDA	PSW	PFM	18-Aug-05	BDA Open circuit	Leave NCR open as the fault may be an intermittent wiring fault.	ref SPIRE-RAL-MoM-002818 NRB: To Be discussed at JPL Visit Feb 07	<b>CLOSED</b> Doug to forward MoMs of Telecon
HR-SP-RAL-NCR-	142.2	Major	Software	OBS	PFM	05-Oct-06	FDIR recovery action protocol in OBS 2.1.E causes the instrument to be put into SAFE mode when it shouldn't.	See NCR	NCR CLOSED Problem no longer present confirmed in PFM4 TEST (ref SPIRE-RAL-MoM-002818 NRB)	<b>CLOSED</b> Awaiting Ken to Sign
HR-SP-RAL-NCR-	146	Minor	DPU		PFM	26-Apr-06	Incorrect type of error reported from the CFM DPU when a DRCU NO Response Error occurred	TBD	ref SPIRE-RAL-MoM-002818 NRB: Ken to Check	<b>OPEN</b> Ken to Check/update
HR-SP-RAL-NCR-	148.1	Minor			PFM	20-Nov-06	Loss of signal from ½ of the PFM SSW array	Initial tests reported in Appendix 1. Changed JFET unit before PFM4. Unit now operates.	ref SPIRE-RAL-MoM-002818 NRB: To Be discussed at JPL Visit Feb 07	<b>CLOSED</b> Doug to forward MoMs of Telecon
HR-SP-RAL-NCR-	151	Minor	DPU/DRC U	CFM DPU/QM2 DRCU	PFM3	30-May-06	The DPU reports DRCU science frame errors	TBD	ref SPIRE-RAL-MoM-002818 NRB: Sunil/Asier to complete Cause and Disposition sections	<b>OPEN</b> Ken to Check/update
HR-SP-RAL-NCR-	152.2	Minor	DPU/DRC U	QM2 DRCU	PFM3	02-Oct-06	The DPU reports wrong response for the Photometer and Spectrometer LIA offsets	See NCR	ref SPIRE-RAL-MoM-002818 NRB: Noted that the Conclusions from NRB SPIRE-RAL-MoM-002727- 02-Oct-2006 Confirmed can be closed - PA to update & Ken to Sign.	<b>CLOSED</b> Awaiting Ken to Sign
HR-SP-RAL-NCR-	156	Minor	MCU		PFM3	10-Aug-06	FM MCU Does not produce the requested number of frames	TBD	ref SPIRE-RAL-MoM-002818 NRB: KEN to Update	<b>OPEN</b> Ken to Check/update
HR-SP-RAL-NCR-	157.3	Major	DPU		PFM3	09-Oct-06	FM DPU primary partition not booting	See NCR	ref SPIRE-RAL-MoM-002818 NRB: Will be done during PFM 5 Test	<b>OPEN</b> Ken to Check/update
HR-SP-RAL-NCR-	158.2	Minor	PJFET		PFM3	24-Aug-06	Temperature of PJFET during Operation		ref SPIRE-RAL-MoM-002818 NRB: Annsoe to Update	<b>OPEN</b> Anneso to Check/update <b>Now Closed awaiting ECS sign off 8/03/07</b>
HR-SP-RAL-NCR-	159.8	Major	FPUC	SMEC	PFM3	07-Feb-07	SMEC unlatched during cryo-vibration test.	See NCR		<b>OPEN</b>
HR-SP-RAL-NCR-	161	Minor	JFET	Sno 13	PFM	03-Oct-06	Open Circuit on JFET Ground	TBD	ref SPIRE-RAL-MoM-002818 NRB: To Be discussed at JPL Visit Feb 07	<b>CLOSED</b> Doug to forward MoMs of Telecon

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HR-SP-RAL-NCR-	163.3	Minor			CQM	30-Jan-07	Shorted contacts measured on SVM-CB (312100 J04)	See NCR	ref SPIRE-RAL-MoM-002818 NRB:Still Open	<b>OPEN</b>
HR-SP-RAL-NCR-	164	Major	OBS		PFM	23-Nov-06	The DPU crashes when the SCAL VM is running	To Be Established	ref SPIRE-RAL-MoM-002818 NRB:Still Open	<b>OPEN</b> Ken to Check/update
HR-SP-RAL-NCR-	165.2	Major	SMEC	SMEC/MCU	PFM	11-Dec-06	Incorrect operation of SMEC on Redundant Side	See NCR	V2 includes minutes from telecon on 7/12/06: ref SPIRE-RAL-MoM-002818 NRB:Still Open	<b>CLOSED</b> Awaiting Eric Sawyer to Sign
HR-SP-RAL-NCR-	168.2	Minor	SCAL		PFM	13-Dec-06	Erroneous data from REDUNDANT SCALTEMP flight temperature sensor	The following actions should be taken (as far as possible/practicable): o Check the sensor	ref SPIRE-RAL-MoM-002818 NRB:Still Open until PFM 5 Tests completed.	<b>OPEN</b> Anneso to Check/update <b>Now Closed awaiting ECS sign off 8/03/07</b>
HR-SP-RAL-NCR-	169	Major	ILT Cryoharness	C2, C4 and C7	CQM	29-Jan-07	Shorted signal lines in ILT cryoharness	•Remove the shorts from the cryoharness (completed for PSW-J7, PMW-G9 and SSW- D7) (Completed)	Update the following documents in document the failure propagation mode and circulate to ESA SPIRE-RAL-NOT-002087-Interface FMECA Qualification Statu	<b>OPEN</b> Doug to update

NCR Serial Code	NCR No	Level	Subsystem	Assembly	Model	Issue Date	Title	Action	Remarks	SPIRE-RAL-MoM-002849 Results
(CEA) NCR-DCU	467	Major	Warm Electronics	DCU	FM	11-Jan-07	RT54SX32S TRST (Jtag input reset pin) not tied to 0v	See NCR	Open	To Be Closed awaiting addition of MoM's Eric Sawyer
(CEA) NCR-FCU	469	Major	Warm Electronics	FCU	FM	17-Jan-07	RT54SX32S TRST (Jtag input reset pin) not tied to 0v	See NCR	Open	To Be Closed awaiting addition of MoM's Eric Sawyer
HP-112000-ASED-NC-	1248	Major			EQM	11-Jul-05	SPIRE SIH PSW_JFETV Gnd open line	See NCR	External to SPIRE: ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-112000-ASED-NC-	1340	Minor	FPU	SIH connectors	EQM	08-Aug-05	SPIRE: FPU SIH connectors not fully fixed after fastening of fix. Screws	See NCR	On Going. ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	OPEN on PRISMA
HP-112000-ASED-NC-	1375	Major			EQM	22-Aug-05	Source Sequence Counter Errors on CCS	See NCR	Ken to Reply. ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	OPEN on PRISMA
HP-112000-ASED-NC-	1662	not listed			EQM	25-Oct-05	High correlation between cryo cover temp and SPIRE L1 temp	See NCR	ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-112000-ASED-NC-	1688	not listed			EQM	07-Nov-05	Evaporator temperature not correct wrt L0 temperature	See NCR	Bruce to check on Temp Status: ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-112000-ASED-NC-	1800	Major		EMC Test	EQM	29-Nov-05	SPIRE EMC H-Field RS Test Results non conformances	See NCR	ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-112000-ASED-NC-	1804	Major			EQM	30-Nov-05	SPIRE EMC E-Field RS test results non conformances	See NCR	ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	OPEN on PRISMA
HP-112000-ASED-NC-	1812	not list			EQM	02-Dec-05	SPIRE detector chain partial failure	See NCR	EAC to Ash Dave Hendry current status, No Reply: ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-112200-ASED-NC-	1083	Major	SPIRE warm units		EQM	15-May-05	SPIRE: MIL bus functional behaviour out of requirement detect. w. IDAS	See NCR	Information only NCR from ESTEC: ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-121432-ASED-NC-	895	not listed		SIH CVV Internal Harness	Information only	06-Apr-05	Error in Spire CVV Internal Harness Definition	See NCR	ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-121432-ASED-NC-	896	not listed		SIH CVV External Harness	Information only	06-Apr-05	Spire SIH CVV External Harness C4 to C9 Pin 47 connection	See NCR	ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-121432-ASED-NC-	912	Major		Scientific instrument Harness	Information only	05-Apr-05	Discrepancy in SPIRE Harness Definition shielding of Gnd wire	See NCR	ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA

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HP-121432-ASED-NC-	941	Major		SIH SVM Internal Harness	Information only	11-Apr-05	SPIRE SIH Double Pin allocation Pin 7 bundle C3	See NCR	ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Closed on PRISMA
HP-153300-ASED-NC-	210	Major	DPU		PACS	06-Apr-04	PACS DPU anomalous behaviour during first test at ASED	See NCR	EC to Ask ESA Status no reply so ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Not found on PRISMA EC to Check with ESA
HP-461100-ASP-NC-	2566	Major		NA(GSE)	AVM	07-Aug-06	Heschel - SPIRE AVM 16082006 - Wrong OCP_RLCHK references		ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Not found on PRISMA EC to Check with ESA
HP-461100-ASP-NC-	2567	Major		NA(GSE)	AVM	07-Aug-06	Heschel - SPIRE AVM 16082006 - CDF_VALUE not correct for Fixed Area		ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Not found on PRISMA EC to Check with ESA
HP-461100-ASP-NC-	2568	Major		NA(GSE)	AVM	07-Aug-06	Heschel - SPIRE AVM 16082006 - Missing OL Expressions		ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Not found on PRISMA EC to Check with ESA
HP-461100-ASP-NC-	2569	Major		NA(GSE)	AVM	07-Aug-06	Heschel - SPIRE AVM 16082006 - Missing S2K files		ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA	Not found on PRISMA EC to Check with ESA
HP-461100-ASP-NC-	2669	Major		NA(GSE)	AVM	09-Oct-06	Herschel - HIFI / PACS / SPIRE - Consistency check on AVM data		ref SPIRE-RAL-MoM-002818 NRB: EAC to Check Status on PRISMA (not a SPIRE NCR)	Not found on PRISMA EC to Check with ESA