	MINUTES OF MEETING (MoM)	PRODUCT ASSURANCE Space Science and Technology Department				
Spacecraft/Project	Herschel	Document No	SPIRE-RA	L-MoM-001717		
Instrument/Model	SPIRE	Issue No / Rev	1/0	Page	/ of 6	
Subsystem	MSSL & LAM	Date	17 <sup>th</sup> June	03		

Title / Subject	MSSL & LAM NCR MRB	Chairman	Eric Clark
Meeting Place	CR 3 R61	Secretary	

	Participants	Agenda
(Print Name)	(Signature Required)	Discuss the following NCR's
Alan ORIGNE	A	
Marc Ferlet	d. Feilet	
C BROCKLEY-BUATT	Conflato.	
A. Dibbens A. J. COKER	W. out	
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Nove OLIA	lagas XA	
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Addit	ional Distribution	Attachments
B. Swww.sd	Alt of the	List of NCR's

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Spacecraft/	Project	Herschel	Document No	SPIRE-RAL-	-MoM-001717	,	
Instrument/	ument/Model SPIRE Issue No / Rev		Issue No / Rev	1/0	Page	2 0	f 6
Subsystem		MSSL & LAM	Date	Date 17 <sup>th</sup> June 03			
Action No		Title and Description	fill in dataila	Action Res	sponsibility	Action D	eadline
A01 A02	SM7/SM8 interface – RAL to raise NCRs and LAM to fill in details MSSL do not have configuration 42A. Send MSSL a Copy Source of error needs to be identified					17/06/03 17/06/03	
A03	Requested GS tools NCR should be changed to a RFW					17/06/03	
A04	NCR-27 Interference of 11b with box Rib needs to be machined down by 1mm to give better clearance to fit SM11b – found when mirrors were being installed – probably caused by not having interface drawings.						
A05	Action: Check EIDP for mirror drawings and provide these to MSSL					17/06/03	
<del>A06</del>	NCR also ne	<ul> <li>to check if mirrors are built to drawings – inspection reports</li> <li>needed for 11a (Ref HR-SP-RAL-NCR-040)</li> <li>7 &amp; 040 Accepted close both NCR's</li> </ul>				Completed	17/06/03
	NCR-35 Alignment cube interface Tapped holes in SOB are separated by 22mm, holes in alignment cube are 25mm – cube drawing specifies separation of 22mm. Cube has not been made to specification Temporary alignment mirror used for warm alignment Work around is to make interface plate and fit incorrect alignment cube for cold alignment tests. Cube not good enough for Astrium. Cube to be removed after cold alignment. Not needed again until delivery to Astrium.						

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Instrumen	t/Model	SPIRE	Issue No / Rev	1/0	Page	3 of 6
Subsystem	n	MSSL & LAM	Date	17 <sup>th</sup> June 03		
A07	responsible for	M make 2 cubes to drawing no 52-64-305-16 i or procuring alignment cube. Chris to send dra quotation (cc'd to Eric S).		СВВ	1	9/06/03
A08	have to be let vibrating with	ed	bably not happy with	Doug	2	0/06/03
A09	Action 5: Ope	ed - contingent on action 5 en – <b>MSSL to reissue ICD</b> – needed imminen tart. 2 Dimensions to be added to Drawing.	СВВ	2	3/06/03	
A10	D-Tools ar New Action: I	PI.NCR.030017 issue 1. – D-Tools are in place and do fit. I/F plate should have a slot. n: Bruce to send latest JPL interface showing slot to LAM <b>NCR is to modifiy</b> I/F plate to match JPL interface.		Bruce	1	7/06/03
A11	Cause of pro Mirror is bein	NCR.030045 – CM3 mount blem is understood (described in NCR) g remanufactured – planned to deliver in mid A closed pending completion of actions	Dominique	т	BD	

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A12	LAM.QA.SPI.NCR.030038 – Spectrometer mechanism issue 1 & 2 NCR can be closed	Dominique	TBD
A13	<ul> <li>12 30 Mark &amp; Alain left meeting</li> <li>HR-SP-MSSL-NCR-001 – Gold Plating Incorrect specification for Gold Plating of 300mK bus bars 300mK bus bar – requested specification from Cardiff for gold plating – response was 25µm thick and soft gold. Bus bar plated sent to Cardiff but rejected because it was not nice and shiny.</li> <li>Correct MIL specification has since been sent and bus bar has been stripped and replated to MIL std.</li> <li>Disposition of NCR is to update all drawings. NCR can be closed.</li> </ul>	Eric	17/06/03
A14	HR-SP-RAL-NCR-017v1 Use as is HR-SP-RAL-NCR-022 Use as is Provided that there is no strain on the blades there should be no problem with holes. No strain encountered – holes lined up ok. <b>Close NCR's</b>	Eric Eric Sawyer	17/06/03
A15	HR-SP-RAL-NCR-028 JD has up-issued the NCR to 28v1	Enc oawyer	WE 4 <sup>th</sup> July 03

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A16 A16 A17 A18 A19 A16 A17 A18 A19 A17 A16 A17 A17 A17 A17 A17 A17 A17 A17	ngs have been checked and show an error er is slotted PFM? NCR-031 Screw Sheered off 1D helicoils hence V short – screws called in al strap – but thinner thermal strap was us to rease – however would prefer to use WS <sub>2</sub> for d to re-lubricate screws. to slot very small screws – recommend that d not be done below 6/32UNC. MSSL to ad to inspect helicoils after cold alignment tes innso Are 2 of the 3 screws adequate. to provide check list of torque settings. NCR-038v2 – light traps re being remade and will be inspected prope	in drawing were correct ed hence screws or flight model should below certain diameter vise ts	J Coker CBB Dave Smith CBB		TBA TBA 17/06/03 TBA

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## LIST OF NCR'S

RAL	Action	MSSL	Action	LAM	Action
HR-SP-RAL-NCR017v1	CLOSED	HR-SP-MSSL-NCR-001	Close	LAM.QUA.SPI.NCR.030017 ISSUE 1	CLOSED
HR-SP-RAL-NCR-022	CLOSED			LAM.QUA.SPI.NCR.030038 ISSUE 1 & 2	CLOSED
HR-SP-RAL-NCR-027	CLOSED			LAM.QUA.SPI.NCR.030045 ISSUE 1	CLOSED
HR-SP-RAL-NCR-028	OPEN				
HR-SP-RAL-NCR-029	CLOSED				
HR-SP-RAL-NCR-031	OPEN				
HR-SP-RAL-NCR-035	OPEN				
HR-SP-RAL-NCR-036	OPEN				
HR-SP-RAL-NCR-038v2	OPEN				

## **TO BE RAISED**

		GS Tools NCR	
	SM7 Orientation & mounting		
	SM8 Orientation & mounting		