



# List of RAL Non-Conformances

PRODUCT ASSURANCE  
SPACE SCIENCE DEPARTMENT  
Rutherford Appleton Laboratory

Spacecraft/Project: SPIRE	Originator: RAL/SSTD/PA
Instrument: SPIRE Model: AVM only	Document No U 2 and DRCU simulator Issue : 1.0
Subsystems:	Date: 01-Aug-06

NCR Serial No.	Level	Subsystem Assembly/ Part	Model	NCR Title	Issue Date	Disposition/Corrective Actions	References	Close Out Date
HR-SP-IFSI-NCR-1	Minor	IFSI DPU	AVM	RANDOM ERRORS IN FAST SERIAL DATA LINKS RECEPTION	12-Nov-03	See NCR Introduction of integrating capacitances on the READ pins of the receiving FIFOs has highly mitigated the error rate, but still not completely removed the source of		03-Nov-04
HR-SP-RAL-NCR-30	Minor	LAM FPU CM3	AVM	CM3 interferes with the sub optics bench at its lower edge.	30-Apr-03	Drawing of sub bench A1 5264 305 12 has been updated STM mirror may need to be removed and the mount modified accordingly		14-May-04
HR-SP-RAL-NCR-33	Minor	DPU HSDPU	AVM	Not possible to load OBS via telecommands	29-Apr-03	See NCR Reset CPU Before booting with new Image. IFSI To implement Firmware Change on future models to allow software to reset CPU, thus allowing it to operate		14-Nov-03
HR-SP-RAL-NCR-34	Minor	DPU HSDPU	AVM	DPU Power interface discrepancy	29-Apr-03	NRB MoM's No SPIRE-RAL-MoM-001616 Reclassified as Major at in depth PA meeting 13/14th April 2004 at Ral NRB MoM's No SPIRE-RAL-MoM-001616 -		14-Apr-04
HR-SP-RAL-NCR-34.1	Major	DPU HSDPU	AVM	DPU Power interface discrepancy	14-Apr-04	See NCR Awaiting Closure from ESA: Harness Definition Document: SPIRE-RAL-PRJ-000608 issue 1.2 corrects this. NCR Closed ref SPIRE-RAL-MoM-002250 NCR		20-Dec-04
HR-SP-RAL-NCR-46	Minor	DPU	AVM	JTAG fouls adjacent circuit board	12-Nov-03	See NCR Closed at NCR MRB Number SPIRE-RAL-MoM-001863; JTAG connectors will not be implemented on any other models of the DPU so the problem will not be		14-Nov-03

END OF LIST