



DCR / ECR Number:

HR-SP-RAL-ECR-013

Spacecraft / Project	Herschel-Planck	Originator's Name	JD
System / Experiment / Model	SPIRE	Signature	John Delderfield.
Sub-System	Instrument level I/F	Date	19th November 2001
Assembly		Classification	<b>Urgent</b>
Sub-Assembly		Ref. Doc. / Drwg No.	Spire IID-B 2/0
Item		Reference	SCI-PT-IIDB/SPIRE-02124

ECR Title	Further SPIRE IID-B UPDATES, based on points JD25, 29,30 and 31, from even earlier information
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ECR Description			
Matters needing adding to IID-B			
Need /Justification For Change			
They are missing			
Affected Items / Work package (Title, Number, Issue, Para)			
a. Put electrical I/Fs' section back in	<p>In it include conditioning circuit for cryogenic launch latch switch as follows:</p> <p>Thus the required relay contact's derated capability is 0.5mA.</p>		
b. IID-A or IID-B	Need formulate how to specify and test uniformity of the telescope's emission to avoid spurious chopping as the used area on primary shifts with BSM scanning.		
c. Section 5.3	Alignment budget values between the instrument and the HERSCHEL telescope at in-flight operating temperatures, as well as outline of Spire specific procedure for when warm, are needed.		
d. In at end of section 5.7.1.	The inside of the cryostat, including its lid, shall provide a usable radiative flux both down the Spire optical path and on to the top of the instrument so that on ground in the all-up integrated configuration good functional tests can be performed without using the instrument's shutter and good radiometric tests can be achieved by using the shutter. Fluxes are subject to agreement, but they could be more driven by the need to control radiative loads in flight than this test constraint itself.		
INDUSTRY ASSESSMENT / IMPACT OF CHANGE			
System design			
Schedule			
Cost			
Industry Assessor Signature			
Related Factors			
Spacecraft	Performance	Power	Others (Specify)
Ground Segment	Elect. Interfaces	Weight	I/F.
Launch Vehicle	Mech. Interfaces	Schedule	



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Payload	Test/Verification	Cost	
<b>Attachments</b>		<b>Distribution</b>	
None		See covering Sheet	
<b>Change Approved</b>		<b>Signature / Date</b>	