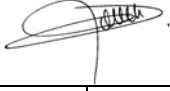


<b>PROJECT : Herschel</b>		<b>NON CONFORMANCE REPORT</b>	
Subsystem : mirrors		Unit : <b>SPIRE</b>	
Model : <b>All the FM mirrors</b>		Identif. Number :	
NCR occured during : Manufacture [ ] Inspec [ <b>X</b> ] Test [ ] Integ [ ] Other [ ]			
NCR Title : Roughness of the optical surface out of specification			
<p>NCR Description : The measured roughness of the optical surface of the mirrors gives a result which is out of spec.</p> <p>For nearly all the mirrors the roughness is contained between 10 nm and 23 nm.</p> <p>This NC does not affect the scientific performances, but could only impact the alignment procedure in the visible light</p>			
Originator Name : G. Rousset		Date 19/03/2004	Signature : 
Cause of the NCR : Deviation during manufacture		Major [ <b>X</b> ]	Minor [ ]
Disposition/Corrective Action :		Corrective action carried out : Name :  Date :	
MRB date :	MRB Minute Ref : No report		
MRB Conclusion : The STM mirrors had the same NC. It was demonstrated, thanks to a dedicated test and also during the STM optical alignment, that this NC did not affect the alignment operations. The roughness characteristics are better on the PFM mirrors than on the STM ones. So the mirrors can be use for flight <p style="text-align: center;"><u>USE AS IS</u></p>			
Responsible for corrective Actions :		Distribution :	
All Corrective Actions Carried Out :	Date : 19/03/2004	Name G. Rousset	Signature 