

S HIFI	Minutes of Meeting	Hifi no:SRON-U/HIFI/MM/2003-016. Inst.no.: Issue: Date: 25-06-2003 Category:N/A.
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Subject: **Herschel/Planck quarterly PA meeting.**

Agenda:

- 1) Instrument PA status and outlook including the following items
 - NCR status
 - RFW status
 - Parts, materials and processes activities, PADs
 - System FMECA and effect on S/C (propagation of failures)/HSIA
 - Results on derating, WCA status
 - Software PA
 - Critical items status
 - Cleanliness activities
 - Hardware status and qualification planning
 - Future planning
- 2) IHDR preparation
- 3) SW status discussion
- 4) Verification control
- 5) Configuration control, CIDL-ABLC
- 6) AOB

Place of meeting: SRON Utrecht

Date: June 18-19, 2003

Present:

G. Igl.	(PACS)
E. Clark	(SPIRE)
A. Dragoni	(LFI)
T. Larson	(JPL)
S. Rideau	(HFI)
P. Olivier	(Estec)
J. Rautakoski	(Estec)
C. Masse	(Alcatel)
H. Jacobs	(HIFI)

Prepared by: H.M. Jacobs date: 25-06-2003

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	<p><u>1) Instrument PA status and outlook including the following items</u></p> <p>SPIRE presentation</p> <ul style="list-style-type: none"> ❑ No Major or flight NCRs ❑ 2 RFWs are open, signed but not yet submitted formally: CEA-RFW-001/002 ❑ 2 PADs from IFSI. One more expected from CEA ❑ HSIA - not yet available. The approach is to incorporate FDIR fault tree analysis in a document becoming the SW requirements document ❑ VCD has to be reworked due to changed model philosophy ❑ KIP/MIP are identified in the AIT plan. ESA will inform SPIRE which ones ESA will attend. <p>HFI presentation</p> <ul style="list-style-type: none"> ❑ Two major NCRs in preparation on bolometers and DPU PCB ❑ Specification/PAD for fine thermometer not yet available ❑ Derating - doubtful if there is any progress since the meeting in April with ESA <ul style="list-style-type: none"> ○ Derating is mandatory for the IHDR. It is a useful document even after launch to avoid problems with overstressed parts. Parameters can be changed even after launch if it is discovered that the component is overstressed in some situation. ❑ SW PA is still not available. Development is progressing but not verification. <ul style="list-style-type: none"> ○ PA support from ESA requested for the next review in July ○ ESA to request a status report from HFI management on the SW PA issues ○ HFI to provide info on the details of the meeting AI-1 HFI week 26/2003 ❑ AIT plan needs to be updated. The current info is available in different MoMs for the moment. It needs to be compiled in the document. ❑ 1um Ag or 2 um Ag on Cu for SPC braids for EMC protection. 1 um Ag on Cu will be used for the CQM, for the PFM it is possible to procure with 2 um. ❑ Safety: High pressure during filling operations. Problems meeting the 150% proof pressure, 110% seems more likely. 110% will probably not be acceptable by the launch authority. Improvement to meet the 150% requirement is necessary. <p>LFI presentation</p>

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	<ul style="list-style-type: none"> ❑ Purging need has not been confirmed by LFI. ESA conclusion is thus that purging is not required. ❑ DCL, DML, DPL issue 2.1 are available. To be sent to ESA AI-2 LFI end June 2003 <p>PACS presentation</p> <ul style="list-style-type: none"> ❑ Submittal of the RFW on black paint is urgent. At this point it is not clear if the paint can be accepted or not due to its high outgassing properties. Further it needs acceptance from the other instruments too (HIFI, SPIRE). <ul style="list-style-type: none"> ○ This will be brought up at the next consortium meeting #20 AI-3 ESA 24.6.2003 ○ HIFI will bring that point up on the instrument PM teleconference (every second week) ❑ The situation of the CRE/FEE bond wires coming loose is critical <ul style="list-style-type: none"> ○ Meeting 23.6.2003 IMEC/ASTEC/MPE/ESA in Garching to discuss the full situation of the CRE-FEE ❑ RFW-006 on WIMA capacitors will be withdrawn (obsolete after the latest development). <p>JPL presentation</p> <ul style="list-style-type: none"> ❑ The Safety Data Packet has been updated and will be sent out soon. There are significant updates since last year's packet. <p>HIFI presentation</p> <ul style="list-style-type: none"> ❑ Alcatel requests HIFI to keep Philippe Gasnier informed on issues concerning EEE parts AI-4 HIFI ❑ A concern of icing of the CVV windows after telescope bake out in post launch phase is expressed by HIFI. <ul style="list-style-type: none"> ○ AI-5 ESA/Alcatel to present to HIFI what is being done to prevent this problem from occurring ❑ The HIFI web page is freely accessible at http://www.sron.nl/divisions/lea/hifi/

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	<p>Action Items from previous meetings</p> <p>LA-GE-DQ-MN-0006-02, 2nd PA quarterly meeting AI 1, open. HIFI Safety Submission will be delivered for the IHDR. Data packet around mid August.</p> <p>PACS-ME-MM-227, 3rd PA quarterly meeting AI 8, open. AI 10, Closed Overtaken by event AI 11, open. AI 15, Closed. Number of EIDP copies on 5 CDs + 2 on paper</p> <p>SCI-PT/15287, 4th PA quarterly meeting AI 1, Closed. Presented at 6th quarterly PA meeting AI 2, open. AI 3, partly open. RFW-001 withdrawn. RFW-003 open AI 4, open. AI 6, Closed. 6th PA meeting presentations AI 8, open. AI 11, open.</p> <p>SPIRE-RAL-MOM-001557, 5th PA quarterly meeting AI 2, open AI 3, Closed. Closed by event AI 5, open AI 6, open AI 7, open</p> <p>AI-6 All instruments, by next I/F meeting To present the proposed contents of the EIDP.</p> <p>The required contents of the EIDP will then be discussed at the next I/F meetings with the different instruments</p> <p>HIFI EIDP contents are available on the HIFI web site: EIDP version 1.1: 0056.doc.</p> <p>IHDR Details on the documentation will be discussed with the instruments in the instrument dedicated meetings</p> <p>SW The main documentation on SW from LFI (Crisa/IAC) is expected by the end of</p>

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	<p>July 2003.</p> <p>Internal review of HFI OBSW is scheduled for 10 July 2003. J.Quirce Garcia from ESA has been invited.</p> <p>Components Crystek filter connectors have been tested at JPL down to LN2 temperatures without damages. Further testing down to 4K is not planned at JPL. If this type of connectors are used full qualification tests have to be performed by the user, before they can be accepted.</p> <p>PAD meetings with all Instruments and ESA/Alcatel are requested in order to speed up the part approval procedure. On-going for HIFI.</p> <p>Other instruments to suggest suitable dates for such meetings AI-7 SPIRE/PACS/HFI/LFI</p> <p>Materials Materials meetings with Instruments and ESA are suggested to speed up the acceptance process of the Declared Materials Lists.</p> <p>Instruments to suggest suitable dates for such meetings or state if it is seen as not necessary to arrange such a meeting AI-8 ALL</p> <p>AI-9 ESA, end June 2003. Send out the note from ITT Cannon to all Instruments and JPL on the filter connectors for cryo applications.</p> <p>AI-10 ESA, end June 2003. Send the detailed DML comments from the sorption cooler IBDR to LFI and JPL</p> <p>Next meeting week 42 in October 14-15. In Cannes or Pasadena. ESA to verify if it is possible to arrange the meeting in Pasadena AI-11 ESA</p>

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<p>S</p> <p>HIFI</p>	<p>Minutes of Meeting</p>	<p>Hifi no.: ANNEX 1 .</p> <p>Inst.no.:</p> <p>Issue:</p> <p>Date: 28-05-2001</p> <p>Category:N/A.</p>
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SPIRE presentation:



RAL_PA_Man
Meeting 18-JUN 03.pj

HFI presentation:



PA
quarterly#6_hfi.ppt

LFI presentation:



Planck LFI PA
18-06-03.ppt

PACS presentation:



PACS PA Status
Quarterly Meeting 18

JPL presentation:



JPL PA charts for
18June03 PAMgr Mtg

HIFI presentation:



Progress-HIFI-18-06
-03.doc

<p style="text-align: center;">S HIFI</p>	<p style="text-align: center;">Minutes of Meeting</p>	<p>Hifi no.: ANNEX 1. Inst.no.: Issue: Date: 28-05-2001 Category:N/A.</p>
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Checklists:



Acrobat Document