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Betreff/Subj.: Draft Agenda: Instrument Thermal Interface Meeting, 10 April 2002, Astrium, FN

Dear Sirs,

Please find attached

- a) Instrument meeting plan for April 2002.
- b) The proposed draft agenda for the Thermal Interface Meeting which will take place on 10./11.) April 2002 at Astrium in Friedrichshafen.

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Main objectives of the Thermal Interface Meeting are to improve the understanding of Instrument and H-PLM needs and design features. Furthermore, to clarify and finally agree the I/F temperature requirements in orbit and on ground.


Please, feel free to propose further points/changes of the agenda you consider important.

Note: It is planned to conclude the meeting on April 10. However, it may turn out, that it is not possible to cover all foreseen issues that day. Therefore, please make arrangements such, that the meeting can be continued on April 11.

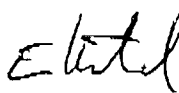
We are looking forward welcoming you in Friedrichshafen.

Kind regards,

Astrium GmbH



i. V. Dr. K. Moritz



i. A. Dr. E. Hölzle

Instrument Meeting Plan April 2002.

Date	Objectives	Location	Participants
09.04.02	Review of thermal interfaces of instruments: Preparatory meeting	ASED	ESA, Alcatel, ASED
10.04.02	Review of thermal interfaces of instruments	ASED	ESA, Alcatel, ASED, HIFI, PACS, SPIRE,
11.04.02 (if necessary)	Continuation of review of thermal interfaces of instruments	ASED	ESA, Alcatel, ASED, HIFI, PACS, SPIRE,
16./17.04.02	Instrument harness review/ clarification: PACS	MPE	PACS, ESA, Alcatel, ASED
18./19.04.02	Instrument harness review/ clarification: SPIRE	RAL	SPIRE, ESA, Alcatel, ASED
23./24.04.02	Instrument harness review/ clarification: HIFI	SRON	HIFI, ESA, Alcatel, ASED

Instrument Thermal Interface Meeting
Astrium, Friedrichshafen, 10 April 2002
(Building 8, 1st floor, Meeting Room 8105)

Proposed Draft Agenda:

- | | | |
|--|---------------|---------------|
| 1. Introduction | (ASPI/ASED) | 09:00 – 09:15 |
| 2. Instrument Thermal Design and Critical Areas (PACS, SPIRE, HIFI) | | 09:15 – 10:15 |
| (20 min. each) | | |
| 3. Presentation of current Cryogenic S/S baseline and constraints | (ASED) | 10:15 – 10:35 |
| Coffee Break | | 10:35 – 10:50 |
| 4. Presentation of current H-PLM thermal design baseline and constraints | (ASED) | 10:50 – 11:15 |
| 5. Presentation of potential design improvements, such as | (ASED) | 11:15 – 11:40 |
| ⇒ better thermal decoupling between temperature levels | | |
| ⇒ lower surface emissivity (e.g. gold plating) | | |
| ⇒ others | | |
| 6. Clarification of I/F Temperature Requirements and Goals | (all) | 11:40 – 12:30 |
| Lunch Break | | 12:30 – 13:45 |
| 7. Conclusions of point 5 and selection of promising concepts to be implemented in baseline HPLM design and to be investigated in detail | (all) | 13:45 – 14:20 |
| 8. Preliminary Definition of “Reference Instrument Operating Timeline” for transient analyses | (ASPI, ESTEC) | 14:20 – 15:00 |
| 9. Definition of Requirements for Instrument Functional Check on Ground during PFM testing | | 15:00 – 15:30 |
| Coffee Break | | 15:30 – 15:45 |
| 10. H-EPLM TMM and Instrument TMM’s | | 15:45 – 17:00 |
| ⇒ Planned (available) update of PACS, SPIRE; HIFI Interface TMM | | |
| ⇒ H-EPLM TMM update planned for Herschel PDR | | |
| ⇒ H-PLM (reduced) TMM for Instrument transient analyses | | |
| 11. AOB | | |