



FIRST/Planck Project

MINUTES OF MEETING

Date : 14/01/1999
Ref : PT-06257
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SUBJECT: FIRST Payload Module/FPU Straylight Model
Kick-off Meeting

PLACE: ESTEC / RAL

Participants	Organ.	Distribution
MM Paßvogel	ESTEC	
N. Hakkanen	ESTEC	
L. Bourillet	ESTEC	
P. de Maagt	ESTEC	
B. Guillaume	ESTEC	
G. Pilbratt	ESTEC	
B. Swinyard	CLRC	
M. Caldwell	CLRC	
T. Richards	CLRC	

AGREEMENTS STATEMENTS	ACTION
Pending to relevant financial approval being given, the RAL activities on this FIRST Payload Module/FPU Straylight Model are kicked-off.	

1. Technical questions from ESTEC related to the offer from CLRC:
 (see SSD-PROP-06020 issue 2 dated December 8, 1999)

- task 1 (p. 5):
 The dimensions of the sunshade are attached to these mom's.
 Assumed dimensions of the 3.5m telescope are (coming from JPL's definition)

D = 3.5 m	Fp = 1.75 m
Vertex of Primary reflector to secondary reflector = 1592.4 mm	Diameter of M2 = 300.1 mm
M2 focal length = 300.1 mm	Central hole in M1 = 264.7 mm

Distance from vertex of M1 to Focal plane is kept at 975 mm as defined in present FIRST telescope specification (PT-RQ-04671).

- Instrument to be taken into account will be SPIRE, which will be off-axis. Provision shall be made in model to implement another off-axis instrument (PACS). Possibly model can be run with a second symmetrical off-axis SPIRE.
- APART model has been delivered with the latest version of the cryostat
- APART model can be read by JPL.
 ESTEC will confirm whether MMS can read an APART model.
- At the end of task 1, RAL will provide a list/questionnaire with clear identification of inputs to be used for the modelling activities + possible missing data to be still provided by ESTEC
- Surface scatter properties: these parameters are already included in the APART model. RAL will, however, verify if they are valid.

2. Technical questions from RAL:

CAD Software: CATIA is used by ESTEC.
 A blank test of electronic delivery of delivery of a 3-D CAD model to ESTEC will be performed in the following days.

3. Schedule:

- Intermediate working meeting (1 day) will be held at ESTEC on 15 or 16 March 1999 (tbc).
- Final presentation meeting (delivery meeting) will be held at ESTEC on 13

April 1999. The model will be placed on an FTP server in RAL for ESA access before the meeting.

- Final report: 27 April 1999. 5 hard copies and 1 pdf copy.

4. Contractual Issues:

- A firm fixed price of 16 857 GBP was agreed for the defined activities
- Contractual milestones as agreed are:

8 429 GBP	Upon time of signature of CCN
8 428 GBP	Upon acceptance by ESTEC of final report

5. AOB:

List of e-mail addresses and phone numbers of involved people:

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ESTEC		
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