

FIRST/Planck Project

date	reference	SCI-PT/-MN-07691	page	1/3
meeting date	meeting place	20-4-2000	ESOC	
chairman	S. Thürey			
participants	below	copy		

subject 2nd FIP Data I/F Working Group Meeting

description

action

due date

Participants:

- Rino ORSI, IFSI-CNR Rino Orsi
- Ken King, RAL K King
- LUC DUBBELDAM, SRON
- ALBERT NABER, SRON
- Jean-luc Béreau, LAL-ORSAY
- Jacques CHARRA, IAS Jacques Charra
- Chris BUTLER, TESRE
- John Dodsworth, ESOC
- Olho H. Paiva, MPE O. Paiva
- Nestor Peccia, ESOC (part time)
- Pierre Estaria, ESTEC (part time)
- Stefan Thürey, ESTEC Stefan Thürey

Agenda: according attachment 3
Next meeting (no.3): 24-5-2000

ESTEC

description

action

due date

1) Action Items:

A11: LFI-presentation: attachment 1

HFI-presentation: attachment 2

LFI-average is at ~ 37 kbps, HFI is at 35 kbps. Both parties are aware that they have to come within 30 kbps for nominal operations.

A12: Sync/Clock:

- Proposed (DC/DC-Converter) Sync-Frequency: 737 072 kHz.

- Planck: A star Pulse / Message, delivered on-board to instruments is needed, according to HFI, LFI.

HFI-accuracy requirements are less than LFI. A separate telecon will be conducted (LFI, SCI-PT, and SA), organized by ESA (S.T.)

A1 1
ESA

10-5-2000

2) PS-ICD (attachment 3):

- APIDs: ESA to make a proposal for instrument APID allocation for supporting easy routing to SSMM and ground.

A1 2
ESA

Categories: - Events, TC-Verification,
- Periodic HK (S/C, Instruments)
- Science, other data

Instruments should get a range (~ 4 APIDs) for "free" use for Science.

description	action	due date
<p>— CRC - Checksum vs. ISD - Checksum ESOC (M.P.) to check if only one checksum can be used on-board and on ground for all packet-services.</p>	<p>A13 ESOC</p>	<p>5-5-2000</p>
<p>— APIDs: allocation for SCE on Planck shall be included. ESA intends to release a draft 7-issue of the PS-ICD before.</p>	<p>A14 ESA</p>	<p>12-5-2000</p>
<p>3) <u>1553 I/F:</u></p>		
<p>- Presentation of ADV's ongoing work, attachment 4.</p>		
<p>4) Open Issues:</p>		
<p>IID-A - definition of max. data rate = 100/60 kbps for <u>all</u> instrument data. According to PACS the breakdown, in line with IID-Bs, is according to attachment 5.</p>		
<p>ESA will organize a telecon (ESA/PACS/SPIRE/HIFI) on this subject.</p>	<p>A15 ESA</p>	<p>5-5-2000</p>
<p>The Pls/PMs express their concern that development timescale for the 1553 Transfer Protocol will impact the development and schedule of all the FIRST/Planck instruments.</p>		