

Agenda
PLATO Week 06
13th – 15th March 2018



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PW06 Overview

Time	Tuesday 13.03.2018				
09:00-09:30	Welcome & Organisation AUD				
09:30-10:00	Payload Splinter IPDR & Organisation AUD		PDC/PSM Splinter CF1		
10:00-11:00			Exoplanet-Pipeline I CF1		
11:00-12:00					
12:00-13:00					
13:00-14:30	Lunch				
14:30-15:00	Camera (PSF, opto- mech.) & Cam. Assy & Align. AUD	Electronics (FEE, AEU, DPU) PR	I/F Exoplanet & Stellar Analysis System CF2		DPA WG #11 CF1
15:00-16:00			Exoplanet-Pipeline II CF2		
16:00-17:00					
17:00-18:00					
18:00-19:00					
19:00-20:00	Best focal plane PR				
21:00-	Social Dinner				

Time	Wednesday 14.03.2018					
09:00-10:00	DPS S/W (+ I/F FEE S/W) CF2	Test Houses IR-215	PCOT CF1		CCD WG #13 PR	
10:00-11:00			Stellar Science (WP12) CF1			
11:00-12:00						
12:00-13:00						
13:00-14:30	Lunch					
14:30-15:00	PA H/W+S/W CF2	MAIV AUD	SGS Product Definition Docs CF1		CCD WG #13 PR	
15:00-16:00			Onboard Data Processing Req. Metrics CF1			
16:00-17:00						
17:00-18:00		TOU IR-215				
18:00-18:30						
18:30-	Close-out & ESA/PMC progress meeting preparation AUD					

Time	Thursday 15.03.2018	
09:00-11:00	ESA/PMC Progress Meeting IR-A	
11:00-13:00	IR-A	
13:00-14:00	Lunch	
14:00-16:00	ESA/PMC Progress Meeting IR-A	
16:00-18:30	IR-A	

ESA participants are welcome
PMC closed session

	Agenda PLATO Week 06 13th – 15th March 2018	
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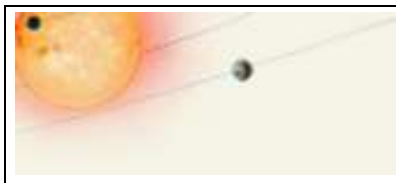
PW 06 - Day1

Tue March 13th, 2018; 9:00-09:30

PMC Plenum		
Room: AUD		Chair: Anders Erikson (DLR)
Time	Title	Presenter
9:00	Welcome & Organisation	M. Mas-Hesse (INTA)
9:10	PMC Status (PL, PDC,PSM)	H. Rauer (DLR)
9:30	End of PMC Plenum	

Tue March 13th, 2018; 9:30-13:00

Payload Splinter		
Room: AUD		Chair: Schweitzer / Klebor (OHB)
Time	Title	Presenter
9:30	General + short payload overview, status & achievements	
	Requirements status & Roadmap	
	AD list status	
	Specification tree	
	iPDR documents status (DDL, DRL), DLR, OHB, PMC documents	
	Feedback to already delivered iPDR documents / system level review	
	iPDR procedure (schedule, documents transfer...)	
	BB Review (what is the PMC state?)	
	Planning of co-engineering phase altogether with unit experts	
	TRL template	
	ESA Progress Meeting	
	Is all information available to units? Questions from consortium?	
	Next steps	
	10:30 – 11:00 Coffee Break	
13:00	End of Payload Splinter - Lunch	



Agenda
PLATO Week 06
13th – 15th March 2018



Tue March 13th, 2018; 9:30-11:30


PDC/PSM Splinter		
Room: CF1		Chair: Burston (MPSSR) / Brown (U. Warwick)
Time	Title	Presenter
9:30	PDC/PSM Status and Plans for PW6	Burston / Brown
10:00	Communications Policy	D. Brown (Warwick)
10:30	Coffee Break	
11:00	Internal Reviews: Scope and Documents	J. Knoche (MPSSR)
11:30	End of PDC/PSM Splinter - Lunch	

Tue March 13th, 2018; 11:30-13:00

Splinter: Exo-Pipeline I (WP36/11)		
Room: CF1		Chair: Nicholas Walton (IoA)
Time	Title	Presenter
11:30	Introduction and Action Updates	N. Walton (IoA)
11:45	WP36/11 Inputs for PMC-Internal Reviews	J. Knoche (MPSSR)
12:15	WP11 Status	D. Brown (Warwick)
12:30	Intro and Management	N. Walton (IoA)
12:40	Tools plus Architecture	Rixon/ West/ De Angeli
13:00	End of WP36/11 Splinter - Lunch	

Tue March 13th, 2018; 14:30-19:00

Splinter: Camera		
Room: PR		Chair: Valery Mogulsky (OHB)
Time	Title	Presenter
14:30	PSF requirements update	OHB /DLR
15:15	Update of optical transmission requirement	OHB
15:25	N and F-FEE thermal and structural status	OHB
15:40	FEE mode requirements for ambient testing	OHB /KUL
16:00	N-FEE connector status (MSSL)	MSSL
16:15	Coffee Break	
16:30	TOU presentations: <ul style="list-style-type: none"> • radiation tests • plan for measurements of glass refraction indexes • update on the aspheric lens • TOU characterization needs and their accuracies plus 	INAF

	Agenda PLATO Week 06 13th – 15th March 2018	
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	tolerances (TBC)	
17:30	FPA alignment budgets update following Camera AIT meeting discussions	INTA/OHB
18:00	Straylight / MLI light tightness test / design options (OHB/KUL	OHB/KUL
18:20	End of Camera Splinter	

Tue March 13th, 2018; 18:20-19:30

Splinter: Best Focal Plane		
Room: PR		Chair: Martin Pertenais (DLR)
Time	Title	Presenter
19:00	Proposed definition for the best image plane	M. Pertenais (DLR)
	Discussion and feed-back from concerned parties (INAF/LDO, CSL, INTA, Test Houses, ESA, Science/performance team)	All
20:00	End of Best Focal Plane splinter	

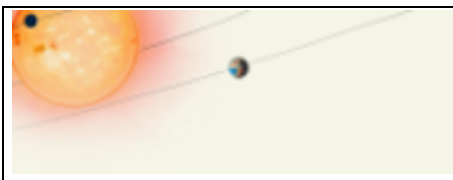
Tue March 13th, 2018; 14:30-19:00

Splinter: Electronic		
Room: IR-300		Chair: Würker (OHB)/ Westerdorff (DLR)
Time	Title	Presenter
14:30	Status of electronic box : N/F FEE, DPU, AEU, ICU	
16:00-16:30 Coffee Break		
19:00	End of the Electronic Splinter	

See next page for complete agenda

Tue March 13th, 2018; 14:30-15:30

Splinter: I/F Exoplanet-Stellar Analysis System (WP36/37)		
Room: CF2		Chair: Nicholas Walton (IoA)
Time	Title	Presenter
14:30	Introduction	N. Walton (IoA)
14:50	Inputs from EAS into SAS for transit removal,	S. Hodgkin (IoA)
15:05	L1 Correction from known Transits	R. Alonso (IAC)
15:20	Discussion	All
15:30	End of the WP36/37 Splinter	



Full Agenda
 PLATO Week #03
 13th-15th March 2017

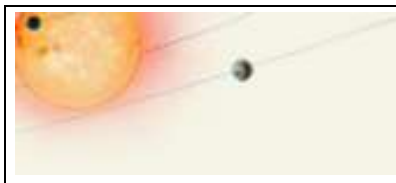


MPI for Solar System Research

Day 1, Tuesday 13th March 2018

Time: 14:30-19:00

Splinter: Electronics		
Room: IR-300		Chair: Würker (OHB) / Westerdorff (DLR)
Time	Title	Presenter/Affiliation
14:30	Systems aspects, double SpaceWire link failure, AEU power concept, HK acquisition in FEEs	Jörg Würker
14:50	Status ICU, power, mass, software, LVDS failure modes, RDCU N/R simultaneous operation	Mauro Focardi
15:30	Status ICU RDCU, SpaceWire I/F, SpaceWire Redundancy configuration, data formats for transfer of imageres	Manfred Steller
16:00	Coffee Break	
16:30	Status AEU, redesign of AEU's,	Agoston Srp
16:50	Status FEE requirements	Markus Hofbauer
17:00	Status N-FEE, structure, breadboard 2, ADCs, CPPA,	Thomas Kennedy
17:30	Status F-FEE, breadboard, CCD simulator, VASP, mechanics, thermal aspects, CEA activities, PLL tests, power, mass, timings	Alexander Koncz
18:00	Coffee Break	
18:20	Status MEU, prototypes, models, power budget, activities	Julio Rodriguez Gomez
18:40	Status FEU, ICU-AEU/MEU-PSU IRD, RMAP FDIR	K. Westerdorff
19:00	End of electronics splinter	



Agenda
PLATO Week 06
13th – 15th March 2018




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Tue March 13th, 2018; 15:30-17:30

Splinter: Exo-Pipeline II (WP36/11)		
Room: CF2		Chair: Nicholas Walton (IoA)
Time	Title	Presenter
15:30	Intro and Management	N. Walton (IoA)
15:35	Tools plus Architecture	Rixon/ West/ De Angeli
15:45	WP364/365/366: LC processing/ transit detection/ ranking	Hodgkin (IoA)
16:30	Coffee Break	
17:00	WP363 Interfaces	Deleuil/ Santerne (LAM)
17:15	WP367: parameter determination	Deleuil/ Santerne (LAM)
17:25	Key Actions	N. Walton (IoA)
17:30	End of WP36/11 cont. Splinter	

Tue March 13th, 2018; 14:30-19:00

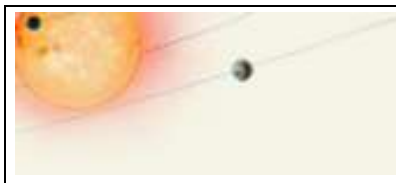
DPA WG Meeting # 11		
Room: CF1		Chair: Reza Samadi
Time	Title	Presenter
14:30	DPA concepts: current status	R. Samadi (OBSPM)
15:00	On-board mask-based photometry solutions	V. Marchiori (USP)
15:20	Impacts of the CTI and evaluation of the systematic	A. Deru (LESIA)
15:40	On-board ATBD: progress report	E. Grolleau (LESIA)
16:00	On-board outliers detection algorithms	R. Heller (MPSSR)
16:20	Coffee Break	
17:00	On-board calculation of the camera attitude and COB measurements	E. Duarte (FCUL)
17:15	Photometry of imaggates: present status	S. Deheuvels or J. Ballot
17:30	Photometry of saturated stars: present status	T. White [TBC]
17:45	Science test cases: PSM feedbacks	D. Brown (Warwick)
18:00	On-ground data processing pipelines: preliminary architecture and data flow design	E. Grolleau (LESIA)
18:15	Update on status of PLATOSim	J. De Ridder (KUL)
18:25	Discussion	All
18:30	End of DPA WG #11 Meeting	

	Agenda PLATO Week 06 13th – 15th March 2018	
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PW 06 - Day 2

Wed March 14th, 2018; 09:00-13:00

Splinter: DPS S/W		
Room: CF2		Chair: Gisbert Peter (DLR)
Time	Title	Presenter
9:00	Welcome	
9:15	On-Board SW Requirements (SSS) <ul style="list-style-type: none"> • Status (DLR), major points to be discussed (All) Topics: TM budget update, HK handling/processing, Instrument mode/Sub-system modes, OBCPs • Comments, questions, etc. 	DLR DLR/ALL
10:15	TM/TC ICD <ul style="list-style-type: none"> • Status, major points to be discussed 	DLR ALL
10:30	Coffee Break	
11:00	FEE SimuCam requirements <ul style="list-style-type: none"> • F-SimuCam Requirements status • N-SimuCam Requirements status Topics: FGS close loop simulation, procurement plan • Status at IMT 	DLR LESIA
11:30	FEE to DPU, ICU to AEU & MEU/PSU IRDs and ICD <ul style="list-style-type: none"> • Updates / status IRDs • ICU to AEU and to MEU, Topic: RMAP write replies • FEE to DPU ICDs, Topics: way forward, HKs, partial read-out • Comments, questions, etc 	DLR DLR MSSL/DLR ALL
11:45	SW Development Plan (DPS level) <ul style="list-style-type: none"> • Discussion about first Draft (will be provided until end of February) • Comments, questions 	DLR LESIA, INAF, DLR, ...
12:15	Margin, AOB	
13:00	End of DPS S/W Splinter - Lunch	



Agenda
PLATO Week 06
13th – 15th March 2018



CENTRO DE ASTROBIOLOGÍA
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Wed March 14th, 2018; 09:00-13:00

Splinter: Test House

Room: IR-215		Chair: Bart Vandebussche (KUL)
Time	Title	Presenter
9:00	<ul style="list-style-type: none">• TEB preliminary design• TEB - Manipulation ring - hexapod/gimbal interface	SRON IAS
10:30	Coffee Break	
11:00	<ul style="list-style-type: none">• TV OGSE specification, way forward for design & procurement• Other test house status updates• Schedule	Bart (KUL) SRON, IAS,INTA
13:00	End of Test House Splinter – Lunch	

Wed March 14th, 2018; 09:00-10:30

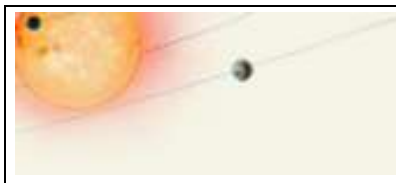
Splinter: PCOT

Room: CF1		Chair: Anders Erikson (DLR)
Time	Title	Presenter
9:00	Introduction PCOT	Erikson/Rauer (DLR)
9:30	General discussion	All
10:30	End of PCOT Splinter – Coffee Break	

Wed March 14th, 2018; 11:00-13:00

Splinter: WP 12

Room: CF1		Chair: Marie-Jo Goupil (OBSPM)
Time	Title	Presenter
11:00	News about WP12	WP12 office
11:15	Simulation of light curves for stellar analyses	R. Samadi, (TBC)
11:45	Signal to noise ratio	J. Cabrera (DLR)
12:15	Stellar cycles	R. Garcia
12:45	wrap up discussion	All
13:00	End of WP12 Splinter - Lunch	



Agenda
PLATO Week 06
13th – 15th March 2018



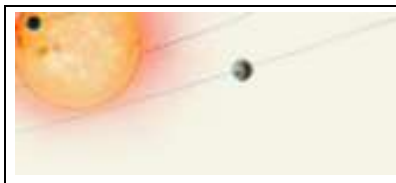
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Wed March 14th, 2018; 09:00-18:30

CCD WG Meeting #13		
Room: PR	Chair: A. Smith (MSSL)	
Time	Title	Presenter
9:00	Introduction/Welcome/Apologies	A. Smith (MSSL)
9:05	Project overview	Y. Levillain (ESA)
9:15	e2V contract status overview	Y. Levillain (ESA)
9:30	Action review (not Radiation damage related)	A. Smith (MSSL), All
10:00	Action review (Radiation damage related)	A. Smith (MSSL), All
10:30	Coffee Break	
11:00	Progress reports on CCD testing and facilities <ul style="list-style-type: none"> • MSSL report (DW/JG) • DLR (HM) • ESTEC (TP) 	
12:30	Report from DPA-WG	A. Deru
13:00	Lunch	
14:30	CTI mitigation	
15:00	Other CCD related issues <ul style="list-style-type: none"> • Calibration plan • DSNU Results & Specification discussion (ESA PV) • Flexi connection to N-FEE (DW) • Partial Readout mode (JG) • Trap Pumping (JG) • Readout Noise (JG) • EMC testing 	
16:30	Coffee Break	
17:00	AOB	
17:45	Date of future meeting (26 June 2018)	
18:00	End of CCD WG Meeting #13	

Wed March 14th, 2018; 17:00-18:30

Splinter: TOU		
Room: IR-215	Chair:	
Time	Title	Presenter
17:00	AI status	
	INAF & LDO status on OMG-BB campaign	
	update on the OMG qualification process (post Florence meeting)	
18:30	End of TOU Splinter	



Agenda
PLATO Week 06
13th – 15th March 2018



CENTRO DE ASTROBIOLOGÍA
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Wed March 14th, 2018; 14:30-19:00

Splinter: PA (H/W+S/W)

Room: CF2		Chair: Wimmer (OHB) / Maibaum (DLR)
Time	Title	Presenter
14:30	eNCTS	
15:30	IPDR preparation and documents	
16:00	PA requirements for units	
16:30	Coffee Break	
17:00	MPCB approach & planning	
17:30	EEE components (open points from CPPA kick-off)	
17:45	Cleanliness & Contamination	
18:00	AOB & Questions from PMC	
18:30	End of the PA Splinter	

Wed March 14th, 2018; 14:30-17:30


Splinter: MAIV

Room: AUD		Chair: Alessandro Orlandi (OHB)
Time	Title	Presenter
14:30	General topics update (incl. MTD/STM build standard)	
	Coordination schedule update	
	Specification tree (focus on AIV)	
	Procurement approach and provision of harnesses	
	Readiness for series (CAM sequencing, learning phase, training)	
	GSE – (CAM Lifting and Stander + Hoisting ring (CSL, IAS, INTA, SRON: constraints presentation, OHB preliminary concepts)	
	16:30- 17:00 Coffee Break	
17:30	End of MAIV Splinter	

Wed March 14th, 2018; 17:30-18:30

Splinter: EGSE

Room: AUD		Chair: Rik Huygen (KUL)
Time	Title	Presenter
17:30	Follow-up Leuven meeting actions	
	Status update bread boarding	
	Status update specification	
	Incoming inspection EGSE	
18:30	End of EGSE Splinter	

	Agenda PLATO Week 06 13th – 15th March 2018	
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Wed March 14th, 2018; 14:30-16:00

Splinter: SGS Product Definition Documents		
Room: CF1		Chair: J. Knoche (MPSSR)
Time	Title	Presenter
14:30	SGS Product Definition Documents	R. West (Warwick)
16:00	End of PDD Splinter	

Wed March 14th, 2018; 16:00-16:30

Splinter: Requirement Metrics		
Room: CF1		Chair: David Brown (Warwick)
Time	Title	Presenter
16:00	PSM expectations for onboard processing	D. Brown (Warwick)
16:15	Scientific testing of onboard algorithms	D. Brown (Warwick)
16:30	Coffee Break	
17:00	Discussion and development of metrics	
18:30	End of Requirement Metrics Splinter	

Wed March 14th, 2018; 18:30

Close-Out & Progress Meeting preparation		
Room: AUD		Chair:
Time	Title	Presenter
18:30	Feedback from the splinters	All
	Progress Meeting preparation	All
	End of Close-Out & Progress Meeting preparation	



Agenda
PLATO Week 06
13th – 15th March 2018



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PW06 - Day 3

Thu March 15th, 2018; 09:00-19:00

ESA/PMC Progress Meeting		
Room: IR-A		Chair: Bengt Johlander (ESA)
Time	Title	Presenter
9:00	Opening & Welcome	DLR
9:10	Project status update incl. CCD and CPPA	ESA
9:40	Planning for co-engineering & IPDR	ESA
10:10	Science status update	DLR
10:30	Coffee Break	
11:00	Payload overview (management & engineering) <ul style="list-style-type: none"> • Schedule • System overview (activities/achievements) • Budget • PA • Open points to be addressed to attention of ESA <ul style="list-style-type: none"> - S/C ITT news - Co-engineering phase organisation - BB review - IPDR process 	OHB
12:00	Data processing: status update, performed/planned activities & FGS	LESIA/DLR
12:25	Unit supplier presentation (25 min each) <ul style="list-style-type: none"> • management, PA/QA status • performed & planned activities • schedule update; design status • budgets update • bread board etc. status • GSE status • risk update 	
18:10		
12:25	DPS	DLR
12:50	Lunch	
14:00	FPA	INTA
14:25	TOU	INAF
14:50	N-FEE	MSSL
15:15	F-FEE	DLR
15:40	AEU (N&F)	C3S
16:05	Coffee Break	
16:30	ICU incl. SW	INAF
16:55	MEU incl. DPU & SW+DPA	IAA/LESIA
17:20	FEU incl. DPU & SW	DLR
17:45	Camera AIT/AIV	KUL/CSL
18:10	Minutes, Wrap up	All
18:30	End of Progress Meeting	