

Agenda
PLATO Week 09
9th – 11th October 2019



EMD - Management School of Marseille, rue Joseph Biaggi, 13003 Marseille, France
<https://platoweb9.sciencesconf.org/>

PW09 Overview

Time	Tuesday 8 th October 2019 [LAM]
09:00-18:00	Progress Meeting (by invitation only). Premises: LAM

Time	Wednesday 9 th October 2019 [Management School of Marseille]	
09:00-10:30	PMC Plenum / Auditorium	
11:00-12:00	Payload Plenum / Auditorium	PDC/PSM Plenum (I) / Chine
12:00-12:30		
12:30-14:00	Lunch Break	
14:00-15:00	Camera / Auditorium (2.5h)	PCOT + L0/L1 Pipeline / Chine (4.5h)
15:00-16:00		
16:00-17:00		
17:00-18:00		
18:00-19:00	Phases C & D discussion / Auditorium (by invitation only)	

Time	Thursday 10 th October 2019 [Management School of Marseille]			
09:00-10:00	Analog Chain / Auditorium KUL, F-FEE, N-FEE, FPA, THs (3h)	DPS / Narbada (G. Peter)	WP36/WP37 / Cote d'Ivoire (N. Walton)	
10:00-10:30				
11:00-12:00			F-CAM data science / Cote d'Ivoire (P. A. Wilson)	Product Definition / Vietnam (E. Verdugo/R. West)
12:00-12:30				
12:30-14:00	Lunch Break			
14:00-15:00	AIT/AIV / Auditorium KUL, FPA, TOU, THs, CSL, MLI (3.5h)	DPA WG / Mezzanine (R. Samadi)		Board Meeting / Narbada (by invitation only)
15:00-15:30				
16:00-17:00				
17:00-18:00				
	Conference dinner			

Time	Friday 11 th October 2019 Management School of Marseille]		
09:00-10:00	TVAC Test Houses / Auditorium (3h)	WP36/WP11 / Cote d'Ivoire (N. Walton)	GSSOEWG / Narbada (L. O'Rourke)
10:00-10:30			
11:00-12:00		PDC/PSM Plenum (II) / Cote d'Ivoire	
12:00-12:30			
12:30-13:00	Summary and Wrap up/ Auditorium		

Coffee Breaks:

10:30 – 11h

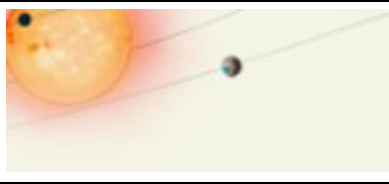
15:30 – 16h

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Day1

Day 1: Wed October 9th, 2019; 09:00-10:30

PMC Plenum		
Room: Auditorium		Chair: M. Deleuil/A. Santerne (LAM)
Time	Title	Presenter
09:00	Welcome & Organisation	M. Deleuil /A. Santerne (LAM)
09:10	PI Welcome / PMC Status	H. Rauer (DLR)
09:30	PL Status	M. Pertenais (DLR)
09:45	PDC Status	R. Burstson (MPSSR)
10:00	PSM Status	P. A. Wilson (U. Warwick)
10:15	S/C Status	B. Johlander (ESA)
10:30	End of Plenum	



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Day 1: Wed October 9th, 2019; 11:00 – 12:30

Payload Plenum		
Room: Auditorium		Chair: M. Klebor (OHB)/M. Pertenais (DLR)
Time	Title	Presenter
11:00	Progress Meeting Unit Level Major Findings	M. Klebor (OHB)
11:20	Phase C/D planning and schedule updates	M. Klebor (OHB)
12:00	Payload MAIV Review Procedure	M. Pertenais (DLR)
12:20	General Discussion	-
12:30	End of Splinter	

Day 1: Wed October 9th, 2019; 14:00 – 17:00

Camera		
Room: Auditorium		Chair: V. Mogulsky(OHB)/M. Pertenais (DLR)
Time	Title	Presenter
14:00	FPA: Actions items follow-up <ul style="list-style-type: none"> ○ Acktar coating way-forward ○ Pressure on flexis ○ Report on 2nd Integration round of prototype ○ Te2v activities (ESA) ○ Schedule 	INTA/DLR/OHB
14:45	TOU: Action items follow-up <ul style="list-style-type: none"> ○ Performance (off-axis transmission, EoL transmission + EE @-70°C) DLR ○ Baffle covers ○ GSE procurement status ○ F- filter ITT status ○ Spherical Washers ○ URD and PGDR Compliance ○ STM/EM MRR status ○ PDR Part 2 readiness 	INAF/UBE/DLR/OHB
15:30	Coffee Break	
16:00	MLI: PDR Action items follow-up	HPS/DLR/OHB
16:30	N-FEE PDR Action items follow-up	MSSL/DLR/OHB
17:00	End of Splinter	



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Day 1: Wed October 9th, 2019; 11:00 – 12:30

PDC/PSM Plenum (I)		
Room: Chine		Chair: PDC/PSM Office
Time	Title	Presenter
11:00		
12:30	End of Splinter	

Day 1: Wed October 9th, 2019; 14:00 – 19:00

PLATO Calibration and Operation Team (PCOT) + L0/L1 Pipeline		
Room: Chine		Chair: C. Martín García (DLR) / D. Keiderling (MPS)
Time	Title	Presenter
14:00	Introduction of members, PCOT management, deliverables	C. Martin (DLR)
14:30	TVAC camera performance tests: <ul style="list-style-type: none"> • Commanding & analysis script team organization 	B. Vandenbussche (KUL)
15:00	Level 0/Level 1 On-Ground Data Processing Chain System Design and Requirements: <ul style="list-style-type: none"> • L0/L1 system design drawings 	D. Keiderling (MPSSR), M. Kidger (ESA)
15:30	Coffee Break	
16:00	Level 0/Level 1 On-Ground Data Processing Chain System Design and Requirements: <ul style="list-style-type: none"> • Review & discussion of L0/L1 pipeline User Requirements Document 	D. Keiderling (MPSSR)
16:30	Consolidation of science data <ol style="list-style-type: none"> 1. Introduction <ol style="list-style-type: none"> a. Motivation. b. In status quo ante. 2. Proposal from DLR OS on Imagette format (Getting rid of meta-data) <ol style="list-style-type: none"> a. Discussion about DLR OS proposal 3. Proposal from DLR OS on routing mechanism (Routing by extra parameter inserted by DPU) <ol style="list-style-type: none"> a. Discussion about DLR OS proposal 4. Discussion about Flux and COB data-products (Permutations needed) 5. Wrap up <ol style="list-style-type: none"> a. Follow on meeting needed? 	C. Ziemke (DLR) + LESIA, INAF, IWF, U. Warwick, MPS, ESA
19:00	End of Splinter	



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Day2

Day 2: Thu October 10th, 2019; 09:00 – 12:30

Analog chain Activities		
Room: Auditorium		Chair: B. Vandenbussche (KUL)
Time	Title	Presenter
9:00	N-FEE : commanding capabilities & interfaces, operating modes, synchronization <ul style="list-style-type: none"> ○ CAM level testing (ambient and TVAC) ○ EMC tests at CAM/Instrument levels 	MSSL
9:30	F-FEE : commanding capabilities & interfaces, operating modes, synchronization <ul style="list-style-type: none"> ○ CAM level testing (ambient and TVAC) ○ EMC tests at CAM/Instrument levels 	DLR
10:00	CCD and Analogue Chain Characterization and Calibration tests	MSSL
10:30	Functional tests & EGSE Requirements (incl. TV Test Houses)	KUL
11:00	Go-no-go EGSE (CAM and CCD)	ESA (TBC)
11:30	Pairing <ul style="list-style-type: none"> ○ CCD pairing into 1 FPA ○ FPA pairing with FEE 	DLR
12:00	DLR/MSSL collaboration (tasks/effort/presence, EGSEs)	DLR/MSSL
12:30	End of Splinter	

Day 2: Thu October 10th, 2019; 09:00 – 12:30

DPS		
Room: Narbada		Chair: G. Peter (DLR)
Time	Title	Presenter
9:00	<ul style="list-style-type: none"> • Major RID/AI conclusion of the SW PDR. • ICU/N-DPU/F-DPU connection test planning. • AOB. Note: coffee break 10:30-11:00.	DLR
12:30	End of Splinter	



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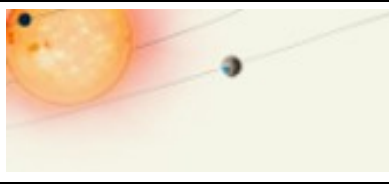
WP36/WP37		
Room: Cote d'Ivoire		Chair: N. Walton (U. Cambridge)
Time	Title	Presenter
9:00	WP36/WP37: Status since PW06 Madrid Splinter	N. Walton (U. Cambridge)/ T. Appourchaux (IAS)
9:10	WP37: Current Data Flow Design	H. Ballans (IAS)
9:25	WP36: Current Data Flow Design	G. Rixon (U. Cambridge)
9:40	WP37: Inputs and interfaces to WP36	T. Appourchaux (IAS)
9:55	WP36: Inputs and interfaces to WP37	S. Hodgkin (U. Cambridge)
10:10	WP38: Demo of tool for the PLATO data visualisation and screening	P. Guterman (LAM)
10:25	Discussion and Next Steps	
10:30	End of Splinter	

Day 2: Thu October 10th, 2019; 11:00 – 12:30

F-CAM Data Science		
Room: Cote d'Ivoire		Chair: P. A. Wilson (U. Warwick)
Time	Title	Presenter
11:00	Overview of F-CAM design and performance	J. Cabrera (DLR)
11:15	Asteroseismology with the PLATO Fast Cameras	G. Davies (U. Birmingham)
11:30	Stellar flares at high cadence with NGTS	P. Wheatley (U. Warwick)
11:45	Stellar characterization with PLATO broadband filters	K. Zwintz (U. Innsbruck)
12:00	Planetary characterization with PLATO broadband filters	L. Grenfell (DLR)
12:15	Discussion	
12:30	End of Splinter	

Day 2: Thu October 10th, 2019; 11:00 – 12:30

Product Definitions		
Room: Vietnam		Chair: E. Verdugo (ESAC), R. West (U. Warwick)
Time	Title	Presenter
11:00	L0/L1 processing output data products	M. Kidger (ESA)
11:30	Key points/standards on product definition	E. Verdugo (ESA)
12:00	PDG members and missing WP representatives	R. West (U. Warwick)
12:10	Discussion	
12:30	End of Splinter	



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Day 2. Thu October 10th, 2019; 14:00 – 18:00

AIT/AIV		
Room: Auditorium		Chair: B. Vandenbussche (KUL)
Time	Title	Presenter
14:00	EM, MTD, STM AIT Flows	OHB
14:30	GSEs: - Manipulation Ring - CAM transport container GSE Development (assignment/sharing/schedule/specifications/certification/bottleneck EGSE)	OHB
15:30	Coffee Break	
16:00	Presentation of KUL/CSL o alignment concept & simulations o FPA-TOU Spacer	KUL/CSL
17:00	Best Image Plane definition, summary and preparation to dedicated meeting (action follow-up)	DLR
17:30	CAM/instrument EMC & ESD, Grounding	OHB
18:00	End of Splinter	

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Day 2: Thu October 10th, 2019; 14:00 – 18:00

DPA WG		
Room: Mezzanine		Chair: R. Samadi (LESIA)
Time	Title	Presenter
14:00	Introductory talk: Summary of the DPA-WG activities, open issues and future plan	R. Samadi (LESIA)
14:15	Specification of the on-ground data processing pipelines: present status and agenda	E. Grolleau (LESIA)
14:30	Prototype version of the on-ground data processing pipelines	E. Grolleau (LESIA)
14:45	Photometry of saturated stars [remotely, TBC]	A. Bodi/R. Szabo (Konkoly Observatory)
15:00	Photometry of imagettes	J. Ballot (IRAP)
15:15	Outlier corrections over imagettes and lightcurves	R. Heller (MPS)
15:30	Coffee Break	
16:00	IPRNU and long-term drift /characterization of the brighter-fatter effect (BFE)	C. Paproth (DLR)
16:15	Calibration of the BFE and impact on photometry	R. Samadi (LESIA)
16:30	Detrending methods	J. McCormac (U. Warwick)
16:45	Camera throughput calibration: preliminary approach	E. Michel (LESIA)
17:00	Calibration of the Image Geometry Modelling (IGM)	E. Duarte (UOL)
17:15	News about PLATOSim	J. DeRidder/S. Regibo (KUL)
17:30	FGS - Mathematical Model and Simulink Implementation	D. Griessbach (DLR)
18:00	End of Splinter	



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Day3

Day 3: Fri October 11th, 2019; 09:00 – 12:30

TVAC Test Houses		
Room: Auditorium		Chair: B. Vandebussche (KUL)
Time	Title	Presenter
9:00	September meeting follow-up (incl. INTA more detailed presentation)	KUL/INTA
10:00	Heaters, sensors and connectors for EM, STM, QM	OHB
10:30	Coffee Break	
11:00	Duration of TV tests	IAS
11:45	Schedule coordination and CAM EM assignment	KUL
12:30	End of Splinter	

Day 3: Fri October 11th, 2019; 09:00 – 10:30

WP36/WP11		
Room: Cote d'Ivoire		Chair: N. Walton (U. Cambridge)
Time	Title	Presenter
9:00	WP36 Status, Timeline and Action update	N. Walton (U. Cambridge)
9:10	WP11: L2/L3 URD status	D. Brown (U. Warwick)
9:35	WP36/WP11: Warwick EAS Workshop Outcomes (Algorithms) - processing cycle cadences - strategies for multiple detection algorithm chains - simulations	S.Hodgkin (U. Cambridge)/ A. Santerne (LAM)
9:50	WP36: Data Model and Data Volume updates	R. West (U. Warwick)
10:00	WP36: Development update, emerging issues	G. Rixon (U. Cambridge)
10:10	WP36: Baseline Algorithm Testbed	D. Ford (U. Cambridge)
10:20	WP38: Internal representation of the Data Model	P. Guterman (LAM)
10:30	End of Splinter	

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Day 3: Fri October 11th, 2019; 11:00 – 12:30

PDC/PSM Plenum (II)		
Room: Cote d'Ivoire		Chair: PDC/PSM Office
Time	Title	Presenter
11:00	Discussion	PDC/PSM
12:30	End of Splinter	

Day 3: Fri October 11th, 2019; 09:00 – 12:30

GSSOWG		
Room: Narbada		Chair: L. O'Rourke (ESA)
Time	Title	Presenter
9:00	Meeting attendee review and agree AOB	L. O'Rourke (ESA)
	Reminder of the location of minutes, actions, etc.	L. O'Rourke (ESA)
	SIRD status including ACTION_GSSOEWG_04, 05, 06, 07, 08	S. Fahmy (ESA)
	Ground segment documentation tree incl ACTION_GSSOEWG_01	L. O'Rourke (ESA)/ S. Fahmy (ESA)
	SOCD update status	L. O'Rourke (ESA)
	SGS Architecture Design document status - Run through the system drawings of the PMC and SOC (ACTION_GSSOEWG_02 and 03)	L. O'Rourke (ESA), D. Brown (U. Warwick), P. A. Wilson (U. Warwick), C. Martín García (DLR)
	Calibration pipeline: - System drawings of the calibration pipeline - Implications on the CPDS	M. Kidger (ESA)
	A review of the ground segment interfaces: (a) High level view of the key ground segment interfaces (incl. PCOT) (b) Ground Segment Interface requirements document contents review	L. O'Rourke (ESA)
	AOB	L. O'Rourke (ESA)
12:30	End of Splinter	

Day 3: Fri October 11th, 2019; 12:30 – 13:00

Close-Out		
Room: Auditorium		Chair: M. Deleuil / A. Santerne (LAM)
Time	Title	Presenter
12:30	Summary and Wrap up	DLR
13:00	End of PW9	