

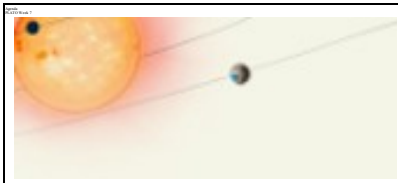
# Agenda PLATO Week 7 05.-07.12.2018



Time	Wednesday 05.12.2018					
09:00	<b>PLENUM</b> SLT				Cleanliness & Contamination Control WG ES	N-FEE RMR
10:00						
11:00						
12:00						
12:30	Lunch					
14:00	Exoplanet Science (WP11) SLT	PLATO Ground Segment System Operations & Engineering WG RMR	Data Analysis Support Tools (WP38) HCR	DPA WG #13 (WP32) SPO	Cleanliness & Contamination Control WG ES	N-FEE OMR
15:00						
16:00						
17:00						
18:00	End of Day 1					

Time	Thursday 06.12.2018			
09:00	Ad-hoc meetings	Product Definition Documents RMR	Stellar Science (WP12) HCR	CCD WG #16 ES
10:00				
11:00				
12:30	Lunch			
13:45	<b>PLENUM</b> SLT			
14:10	Exoplanet Pipeline (WP36) SLT	Ad-hoc meetings	Legacy Code HCR	CCD WG #16 ES
15:00				
16:00		Stellar Analysis System Pipeline (WP37) RMR	Ad-hoc meetings	
17:00				
19:00	Social Dinner			

Time	Friday 07.12.2018			
09:00	L2 & L3 URDs / URJDs ES	Preparation & Follow-Up Data SPO	Calibration, processing and Performance RMR	Board Meeting (closed session) HCR
10:00				
11:00				
12:00	Close-out SLT			
13:00	End of PW7			



## Agenda PLATO Week 7 05.-07.12.2018



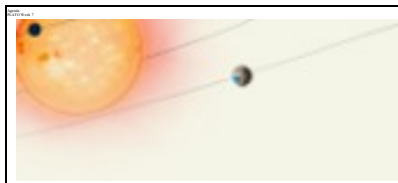
### Room coding:

- SLT Sackler Lecture Theatre (Hoyle Buidling)
- HCR Hoyle Committee Room (Hoyle Buidling)
- RMR Ryle Meeting Room (Kavli Building)
- SPO Meeting room in the SPO building
- ES Earth Sciences meeting room in the Earth Sciences Bullard building
- OMR Observatory meeting room in the Old Observatory building

### Breaks:

- Coffee breaks at 10.30-11.00 and 15.30-16.00 in the Hoyle Building outside the SLT.
- Lunch breaks at 12.30-14.00 (Wednesday)  
12.30-**13.45** (Thursday)

PSM IF splinter meeting → Lunch meeting on Thursday



# Agenda PLATO Week 7 05.-07.12.2018



## PW 07 - Day1

**Wed December 5<sup>th</sup>, 2018; 9:00-12:30**

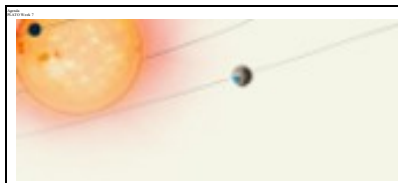
### Plenum

Room: 180prs		Chair: Anders Erikson (DLR)
Time	Title	Presenter
9:00	Welcome & Organisation	N. Walton (IoA)
9:10	PMC Status	H. Rauer (DLR)
9:25	PL Status	M. Klebor (OHB)
9:45	Calibration, Processing & Performance	M. Pertenais (DLR)
10:05	PDC Status	R. Burston (MPSSR)
10:20	PSM Status	P.A. Wilson (Warwick)
10:35	<b>Coffee Break</b>	
11:00	WP 16	A. Tkachenko (KUL)
11:20	SGS talk	L. O'Rourke (ESA)
11:40	PMC-SGS internal reviews	D.J.A. Brown (Warwick)
12:00	AOB & Discussion	All
12:30	<b>End of Plenum - Lunch Break</b>	

**Wed December 5<sup>th</sup>, 2018; 9:00-18:00**

### Cleanliness & Contamination Control WG (C&CC WG)

Room:		Chair: Livio Bianchini (OHB)
Time	Title	Presenter
09:00	Cleanliness basics (Generalities, budget, implementation, samples, verification, procedures, means...)	OHB
09:40	Cleanliness lesson learned	OHB - ESA
10:15	Recall on requirements flow-down principle	OHB
10:30	Requirement status and unit qualification status overview	OHB
10:45	<b>Coffee Break</b>	
11:00	Action status from previous meetings	OHB
11:15	Outcome of the C&CC Platform working group and/or relevant points impacting P/L	ESA
11:45	Units Presentation (*)	All
12:30	<b>Lunch Break</b>	
13:30	Units Presentation (*)	All
15:30	<b>Coffee Break</b>	



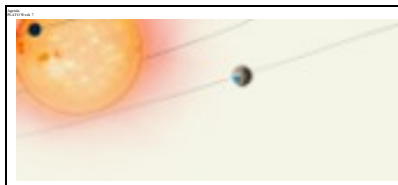
## Agenda PLATO Week 7 05.-07.12.2018



17:00	way forward - conclusions – MoM	
	(*) Topics to address in the units presentation: <ol style="list-style-type: none"> <li>1. Compliance to ISO 14644: 2015               <ol style="list-style-type: none"> <li>a) periodicity of verification by an external company</li> <li>b) used measurement methods                   <ul style="list-style-type: none"> <li>- frequency of calibration</li> </ul> </li> <li>c) monitoring plan (needs to be approved)</li> </ol> </li> <li>2. List of all used PAC and MOC measurements methods at each area               <ul style="list-style-type: none"> <li>- what is the accuracy of each of this method</li> </ul> </li> <li>3. Accuracy of MOC and PAC inspection methods (visual inspection)</li> <li>4. Incoming inspection</li> <li>5. Outgoing inspection (SOC)</li> <li>6. FRR for TVAC test</li> <li>7. Storage and transport conditions</li> </ol>	
18:00	<b>End of Splinter</b>	

### Wed December 5<sup>th</sup>, 2018; 14:00-18:00

N-FEE		
Room:	Chair: Valery Mogulsky (OHB)	
Time	Title	Presenter
09:00	Outcome of the IPDR: action items and way forward	OHB
09:30	FEE PDR: schedule, procedure, ADs, datapacks	OHB
10:15	Statement of compliance to N-FEE URD issue 4 (MSSL) including foreseen requirement changes (OHB)	MSSL / OHB
12:30	<b>Lunch</b>	
13:30	Video chain gain and offset requirements	OHB
14:00	Status of FPGA specs in view of N-FEE URD issue 4 and FFE-to-DPU IRD issue 1.0	MSSL
15:00	Overview of IRDs and ICDs status	
15:45	Compliance to PGDR, SpWire Spec, EMC/RFC requirements etc.	MSSL
16:30	Wrap-up	
17:00	<b>End of Splinter</b>	



## Agenda PLATO Week 7 05.-07.12.2018



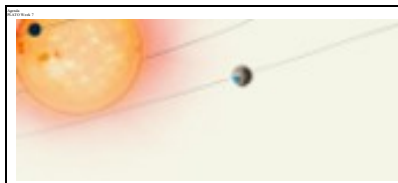
**Wed December 5<sup>th</sup>, 2018; 14:00-18:00**

<b>Splinter: Exoplanet Science (WP 11)</b>		
<b>Detrending &amp; transit light curve fit (WP 114)</b>		
Room:		Chair: N.N. ()
Time	Title	Presenter
14:00	Impact of detrending on PLATO performance: how to reach the 3% radius precision?	Sz. Csizmadia (DLR)
14:20	Impact of stellar activity on the characterization of long period planets	S. Barros (Porto)
14:40	The power-2 limb darkening law	P. Maxted (Keele)
15:00	PLATO filters: limb darkening, stellar spots (flares, plages, spots) and characterization	J. Cabrera (DLR)
15:20	Discussion	All
15:30	<b>Coffee Break</b>	
<b>Baseline Algorithms / Methods</b>		
Room:		Chair: Magali Deleuil (LAM)
16:00	An overview of planet detection tools (WP112)	J. Cabrera (DLR)
16:20	Kepler detrending: applicability to PLATO long-term detrending	J. McCormac (Warwick)
16:40	Ranking of exoplanetary candidates (WP113)	H. Osborn (LAM)
16:50	Short Break	All
17:00	Discussion	
18:00	<b>End of Splinter</b>	

Talks: max 15 min + 4 min questions + 1 min changeover

**Wed December 5<sup>th</sup>, 2018; 14:00-18:00**

<b>Splinter: PLATO Ground Segment System Operations &amp; Engineering WG (PGSSOE WG)</b>		
Room:		Chair: Larry O'Rourke (ESA)
Time	Title	Presenter
14:00	Kick-off of the GSSOEWG & identification of WG members	
14:15	Brief review of Terms of Reference	
14:30	Step by step run through of the expected activities in the coming years up to the GSRQR (and a bit beyond) <ul style="list-style-type: none"> <li>- Requirements baselining &amp; associated documentation</li> <li>- Design activities &amp; associated documentation</li> <li>- Interface activities &amp; associated documentation</li> <li>- Mission Operations Plan document</li> </ul>	



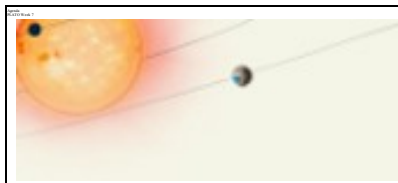
## Agenda PLATO Week 7 05.-07.12.2018



15:00	Review of the requirements flow-down process	
15:15	The GDP L0/L1 URD location in the Documentation tree	
15:45	Detailed discussions on the Science Implementation Requirements Document (SIRD) <ul style="list-style-type: none"> <li>- Review of open PMC points</li> <li>- Review of open ESA points</li> <li>- Next steps</li> </ul>	
17:45	AOB & agree next meeting	
18:00	<b>End of Splinter</b>	

**Wed December 5<sup>th</sup>, 2018; 14:00-18:00**

<b>Splinter: Data Analysis Support Tools (WP 38)</b>		
Room:		Chair: Patrick Gaulme (MPSSR)
Time	Title	Presenter
14:00	Introduction	P. Gaulme (MPSSR)
14:15	EAS: short review of exoplanet pipeline	N. Walton (IoA)
14:30	SAS: short review of Stellar pipeline	T. Appourchaux (IAS)
14:45	Towards a core list of tools	P. Gaulme (MPSSR)
15:10	Adapting the tools to a variety of users	Guterman/Deleuil (LAM)
15:30	<b>Coffee Break</b>	
16:00	Virtual observatory: overview	R. West (Warwick)
16:15	Virtual observatory: specific tools of interest	J. Knoche (MPSSR)
16:30	Interfaces	C. Damiani (MPSSR)
16:45	Discussion centered on 3 aspects: <ol style="list-style-type: none"> <li>1. Tools for data product validation (priorities, needs).</li> <li>2. Tools for data inspection (priorities, needs).</li> <li>3. Implementation: what/who/when/how</li> </ol>	All
18:00	<b>End of Splinter</b>	



**Agenda**  
**PLATO Week 7**  
**05.-07.12.2018**

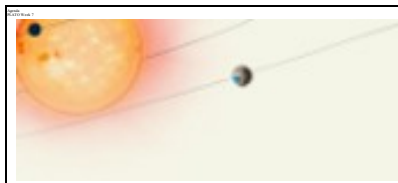


**Wed December 5<sup>h</sup>, 2018; 14:00-18:00**

**DPA WG Meeting # 13 (WP 32)**

Room:		Chair: Reza Samadi (LESIA)
Time	Title	Presenter
14:00	General presentation about the DPA-WG activities	R. Samadi (LESIA)
14:20	On-ground outlier detection algorithms for imagettes & L0 light-curves	R. Heller [remotely]
14:35	Report about the science test cases for the onboard DP pipeline	D.J.A. Brown (Warwick)
14:50	Specification of the on-ground data processing pipelines: present status and future plan	E. Grolleau (CNRS)
15:05	Photometry of imagettes	J. Ballot (IRAP)
15:15	Light-curve de-trending	J. McComarc (Warwick)
15:30	<b>Coffee Break</b>	
16:00	Calibration of the Image Geometry Model: NDPU context	Duarte / Jacquinet [TBC]
16:10	Calibration of the Image Geometry Model: FGS context	D. Griessbach (DLR)
16:20	Best focus determination	M. Pertenais (DLR)
16:30	Field of view and star identification algorithms	E. Saquet (OBSPM)
16:45	PSF modelling: management of the contaminant stars, interpolation scheme	D. Reese (LESIA)
17:00	Discussion	All
<b>End of Splinter</b>		

slots include 2-5 minutes for the questions



# Agenda PLATO Week 7 05.-07.12.2018



## PW 07 - Day 2

Thu December 6<sup>th</sup>, 2018; 09:00-12:30

### Splinter: Product Definition Documents (PDDs)

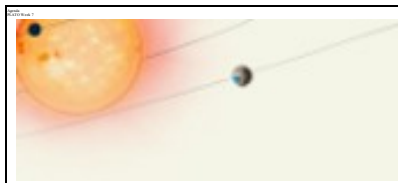
Room:		Chair: Jörg Knoche (MPSSR)
Time	Title	Presenter
9:00	Current Status	R. West (Warwick)
9:30	PDDs in other missions	E. Verdugo (ESA)
10:00	Experience from Kepler	TBD
10:30	<b>Coffee Break</b>	
11:00	State of L2/L3 URDs and implications on PDDs	D.J.A. Brown (Warwick)
11:30	Discussion	All
12:30	<b>End of Splinter - Lunch</b>	

Thu December 6<sup>th</sup>, 2018; 09:00-12:30

### Splinter: Stellar Science (WP12)

Room:		Chair: Mariejo Goupil (OBSPM)
Time	Title	Presenter
09:00	Gyrochronology in WP12	S. Barnes (AIP)
09:30	Spectroscopic observations	T. Morel (Liege)
09:55	Pipeline for determination of classical parameters	C. Allende Prieto (IAC)
10:20	Discussion	
10:30	<b>Coffee Break</b>	
11:00	WP benchmark stars, progress	P. Maxted (Keele)
11:20	Characterisation of M-dwarfs	S. Cassisi (Teramo)
11:40	Red giants: importance of their seismology for galactic archaeology	C. Chiappini (AIP)
12:00	Red giants: seismology with PLATO	B. Mosser (OBSPM)
12:20	Discussion	
12:30	<b>End of Splinter</b>	





## Agenda PLATO Week 7 05.-07.12.2018

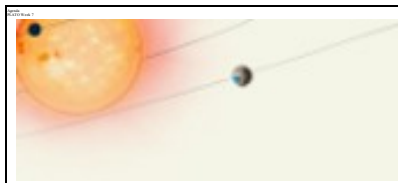


**Thu December 6<sup>th</sup>, 2018; 12:30-13:45 (Lunch meeting)**

<b>Splinter: PSM Interfaces</b>		
Room:	Chair: Rhita-Maria Ouazzani (OBSPM) / Nuno Santos (Porto)	
Time	Title	Presenter
	WP11's / WP12's / WP13's WP14's Interface & Discussion	

**Thu December 6<sup>th</sup>, 2018; 09:00-18:00**

<b>CCD WG Meeting #16</b>		
Room: 15-20 (30)	Chair: Alan 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	Progress reports on CCD testing and facilities: <ul style="list-style-type: none"> <li>• MSSL report</li> <li>• DLR</li> <li>• ESTEC</li> </ul>	Walton/Gow (MSSL) H. Michaelis (DLR) N.N
11:30	CCD – FPA <ul style="list-style-type: none"> <li>• FPA integration and alignment update</li> </ul>	M. Mas Hesse (INTA)
11:45	Report from WGs <ul style="list-style-type: none"> <li>• DPA-WG</li> <li>• Performance Team</li> </ul>	R. Samadi (LESIA) Serrano-Velarde (OHB)
12:15	<b>Lunch Break</b>	
13:15	CTI mitigation: list of mandatory information requested for CTI correction processing (on-ground/in-orbit)	
13:45	CCD Reverse clocking operations	
14:15	CCD FWC tuning and Bright stars photometry: <ul style="list-style-type: none"> <li>• ESA presentation of CCD behaviour Image clock High wrt Charge Handling Capacity;</li> <li>• Science Team presentation of bright Star photometry retrieval process</li> <li>• Discussion on way forward</li> </ul>	Y. Levillain (ESA), PV  PMC: TBA All
16:15	Performance Impact Assessment table review	A. Smith (MSSL)
16:45	AOB	
17:15	Date of future meeting	
17:30	<b>End of Splinter</b>	



## Agenda PLATO Week 7 05.-07.12.2018



**Thu December 6<sup>th</sup>, 2018; 13:45-14:05**

### Plenum

Room:		Chair: David Brown (Warwick)
Time	Title	Presenter
13:45	PIC talk	G. Piotto (U Padova)

**Thu December 6<sup>th</sup>, 2018; 14:10-18:00**

### Splinter: Exoplanet Pipeline (WP36)

Room:		Chair: Nic Walton (IoA)
Time	Title	Presenter
14:10	WP36 Status and Action Updates	N. Walton (IoA)
14:30	PDC-DB and Interfaces with WP36	J. Knoche (MPSSR)
14:50	WP362 Tools and Architecture development	G. Rixon (IoA)
15:10	WP11 Updates from the WP11 Splinter (5 Dec)	P.A. Wilson (Warwick)
15:30	<b>Coffee Break</b>	
16:00	WP36 work package mapping	N. Walton (IoA)
16:15	WP364/365/366: Status of LC processing/ transit detection/ ranking	S. Hodgkin (IoA)
17:00	WP365-300: Update on False-Positive Modelling (also can cover WP366-300)	S. Barros (Porto)
17:15	Tools and Architecture for WP36 - further discussion	G. Rixon (IoA)
17:30	WP367-400: Discussion on rationalization of this sub-WP	N. Walton (IoA)
17:40	Key Actions and preparing for the L2/L3 requirements review	N. Walton (IoA)
18:00	<b>End of Splinter</b>	

**Thu December 6<sup>th</sup>, 2018; 16:00-18:00**

### Splinter: Stellar Analysis System Pipeline (WP37)

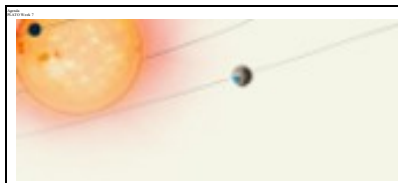
Room:		Chair: H. Ballans (IAS)
Time	Title	Presenter
16:00	Stellar Analysis System: overview, status and plans	H. Ballans (IAS)
16:30	Algorithm architecture from PSM (WP12)	K. Belkacem (LESIA)
16:50	DP3, DP4 and DP5 data products	T. Appourchaux / F. Baudin (IAS)

	<b>Agenda</b> <b>PLATO Week 7</b> <b>05.-07.12.2018</b>	 <b>UNIVERSITY OF CAMBRIDGE</b>
--	---	--

17:10	How to get data products DP4: rotation & activity	A.F. Lanza (INAF)
17:30	Pipeline for producing DP5	J. Christensen-Dalsgaard (AAU)
17:50	Short wrap-Up discussion	All
18:00	<b>End of Splinter</b>	

**Thu December 14<sup>th</sup>, 2018; 14:10-15:30**

<b>Legacy Code Kick-Off</b>		
Room:	Chair: Marie-Jo Goupil (OBSPM)	
Time	Title	Presenter
14:10	Exoplanet legacy codes	TBD
14:20	PSF legacy codes	D. Reese (OBSPM)
14:30	Stellar science legacy codes	M.-J. Goupil (OBSPM)
14:40	Legacy code example: stellar optimisation	D. Reese (OBSPM)
14:55	Discussion	
15:10	<b>End of Splinter – Coffee Break</b>	



**Agenda  
PLATO Week 7  
05.-07.12.2018**



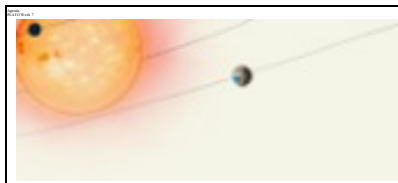
**PW 07 - Day 3**

**Fri December 7<sup>th</sup>, 2018; 09:00-12:00**

<b>Splinter: L2 &amp; L3 URDs / URJDs</b>		
Room:		Chair: David Brown (Warwick)
Time	Title	Presenter
09:00	Current status of the documents	D.J.A. Brown (Warwick)
09:10	SAS requirements overview	K. Belkacem (OBSPM)
09:20	EAS requirements overview	D.J.A. Brown (Warwick)
09:30	PDC needs	TBD
09:40	Working session & discussion	All
10:30	<b>Formal end of the URDs Splinter - Coffee Break</b>	
11:00	Working session, further discussion as needed	All
12:00	<b>End of Splinter</b>	

**Fri December 7<sup>th</sup>, 2018; 09:00-12:00**

<b>Splinter Preparation &amp; FU Data</b>		
Room:		Chair: F. Bouchy (Geneva)
Time	Title	Presenter
9:00	On-going Organisation and Coordination of the TESS FU	F. Bouchy (Geneva)
9:30	Update on European Photometric facilities (WP143)	H. Deeg (IAC)
10:00	Update on European Radial Velocity facilities (WP142)	F. Bouchy (Geneva)
10:30	Optimizing and scheduling FU observations	I. Ribas / J. Colomé (ICE)
11:00	Preparatory Observations for Teff and vsini	S. Sousa / V. Adibekyan (Porto [remote] )
11:30	DACE platform as tool to access, combine and analyse data	D. Ségransan (Geneva)
	<b>End of Splinter</b>	



## Agenda PLATO Week 7 05.-07.12.2018



**Fri December 7<sup>th</sup>, 2018; 09:00-12:00**

### Calibration, Processing & Performance Splinter

Room:		Chair: Martin Pertenais (DLR)
Time	Title	Presenter
	Presentation of the Camera and Processing	
9:00	Short overview of the CAM design and different units	M. Pertenais (DLR)
9:05	Data Processing chain and Operation scenario (incl. Products – imagettes, LC)	J. Cabrera (DLR)
9:20	Performance expected (incl. Pointing and simulators)	Börner/Grießbach/Paprot h (DLR)
	Calibration of Camera and simulation	
9:45	Overview of the Camera calibration setups (TEB, OGSE,...) 10min	B. Vanderbusse (KUL)
9:55	Presentation of the different calibration steps	M. Pertenais (DLR)
10:10	Common EGSE design	R. Huygen (KUL)
10:20	Calibration algorithms (on-board and on-ground)	N.N.
10:35	<b>Coffee Break</b>	
11:00	Data Processing on-ground Responsibilities (incl. Correction algorithm)	Samadi (LESIA) / Börner (DLR)
11:25	Organization and way-forward	A. Erikson (DLR)
11:35	Discussion	All
12:00	<b>End of Splinter</b>	

**Fri December 7<sup>th</sup>, 2018; 09:00-12:00**

### Close-Out

Room:		Chair: Anders Erikson (DLR)
Time	Title	Presenter
12:00	Summary and Wrap up	
13:00	<b>End of PW7</b>	