

A look back at the focal plane workshop at LAPP

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LSST-France

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The most important



22 participants

Thibault Guillemin

Overview

LAPP: March 27-29
 2 days in total

• Topic:

The workshop will focus on the activities which enter the in-kind contribution 'Commissioning at pixel level, data quality, and "on-sky" calibration'. A large part of the workshop will be dedicated to the analysis tools (in the way of DM bootcamp).

• Guiding idea:

- Half-time for presentations (introduction of the tools/concepts/methods or discussions)

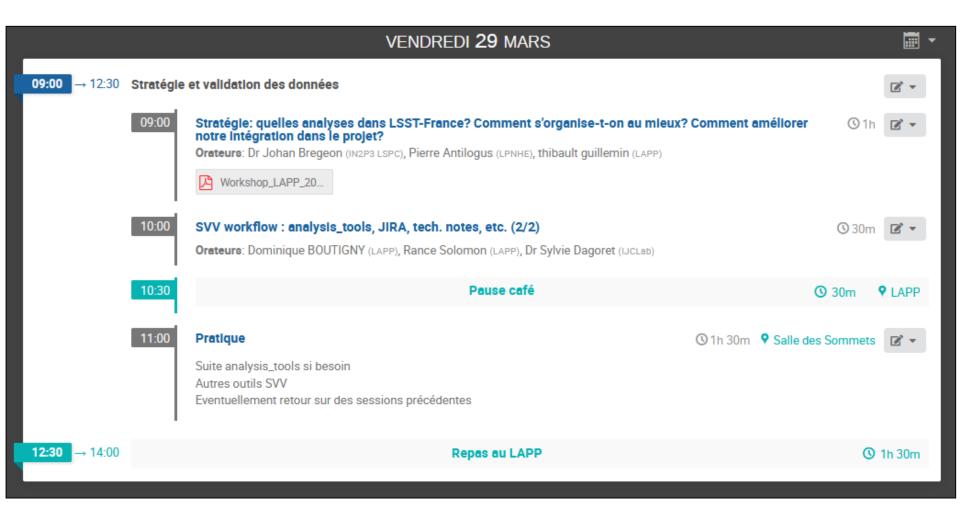
- Half-time for hands-on sessions

Indico: <u>https://indico.in2p3.fr/event/32125/</u>

_	MERCREDI 27 MARS	
12:30 → 14:00	Repas au LAPP	③ 1h 30m
14:00 → 17:30	Introduction	() *
	14:00 Blenvenue au LAPP Orateur: thibault guillemin (LAPP)	3 10m 🗷 🕶
	14:10 Les CCD de LSST et les anomalies Orateur: Claire Juramy (LPNHE/CNRS) CCD-LSST-2024032	3 20m 🗷 🕶
	14:30 Statut général du commissioning plan focal / Nos activités Orateurs: Pierre Antilogus (LPNHE), thibault guillemin (LAPP) Ø Google Slides	3 20m 🗷 🕶
	14:50 Types de données et Butler (réplication, databases, data products, etc.) Orateure: Dominique BOUTIGNY (LAPP), Fabio Hernandez (CC-IN2P3), thibault guillemin (LAPP) 2022-06-29-bootca Ø Inspecting a butler r	𝔅 40m 🗷 ▾
	15:30 Pause café	𝗿 30m ♀ LAPP
	16:00 Pratique Voir: https://github.com/lsst-france/focal_plane_bootcamp. Comptes Butler Visualisation d'images Mosaïques?	O 1h 30m ♥ Salle des Sommets

		JEUDI 28 MARS		-
09:00 → 12:30	Instrumer	ntal Signature Removal		•
	09:00	Stratégie globale de calibration dans LSST Orateur: Pierre Antilogus (LPNHE) Google Slides	③ 30m	₿ ▼
	09:30	Plpetasks, ISR, bps Orateurs: Fabio Hernandez (CC-IN2P3), Quentin Le Boulc'h (CC-IN2P3), thibault guillemin (LAPP)	() 1h	" ◄
	10:30	Pause café	() 30m	LAPP
	11:00	Pratique Pipetasks Slurm, bps	O 1h 30m ♥ Salle des Sommets	₫ -
12:30 → 14:00		Repas au LAPP	0	lh 30m

12:30 → 14:00	Repas au LAPP			③ 1h 30m			
14:00 → 17:30	Calibratio	Calibrations et validation des données 14:00 Calibrations: production, validation, accès et application Orateur: thibault guillemin (LAPP) Calibrations.pdf			© 1h	2° * 2° *	
	15:00 15:30	and the second	s_tools, JIRA, tech. note TIGNY (LAPP), Rance Solom 2024-03-28-MakeTe		JIRA-Tickets-PR-etc	③ 30m Salle des Sommets	
19:00 → 19:30 19:30 → 21:30	Lleu du di	analysis_tools	Dîne	er dans Annecy	③ 30m	Compte-rendu	☑ ▼ ③ 2h
19:30 → 21:30			Dîne	er dans Annecy			O 2h



Github repository

https://github.com/lsst-france/focal_plane_bootcamp

Isst-france / focal_plane_bootcamp Public				
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	(tguillemLSST up	f2a923d · 3 months ago	🕚 108 Commits	
	batch	Update README.md	3 months ago	
	butler	up	3 months ago	
	D pipetask	up	3 months ago	
	svv	update dd svv/analysis_tools/notebooks/data_access_demo	3 months ago	
	🗋 README.md	up	3 months ago	
			i=	
	Package description			
	This package was created for the LSST-France Website of the workshop: <u>https://indico.in2p3</u> Associated slack channel: in2p3-focal-plane	focal plane workshop at LAPP in March 2024. .fr/event/32125/.		

+ a dedicated workshop butler repository at CC

Example 1

Running an ISR task with bps

focal_plane_bootcamp / batch / bps / frdf /

cd /sps/lsst/users/\${USER}/bps
git clone https://github.com/lsst-france/focal_plane_bootcamp

Source the environment

source /pbs/throng/lsst/software/bps-parsl/prod/setup.sh

Local execution of ISR on a single detector using BPS

The first step is to process locally a single detector with the ISR task. Instead of using pipetask , this can be done using BPS:

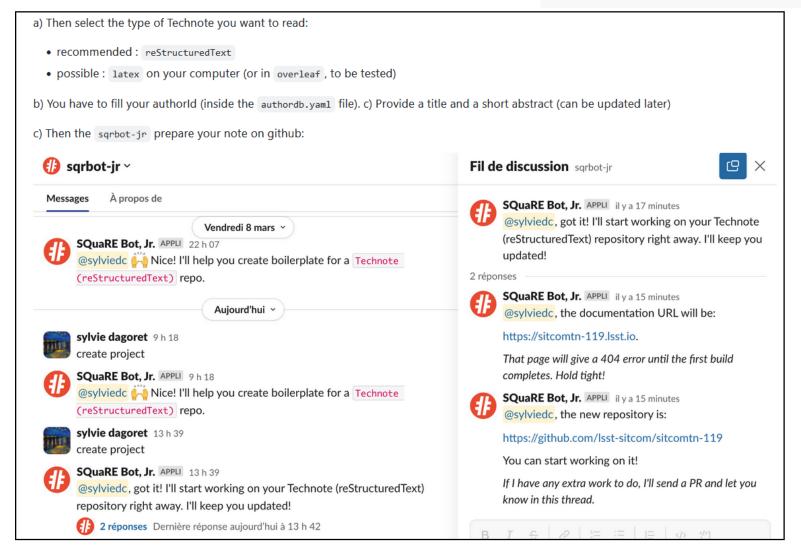
bps_submit.sh --interactive --release w_2024_09 focal_plane_bootcamp/batch/bps/frdf/LSSTCam_isr.yaml

The run should complete in a few minutes.

Example 2

Creating a Technote

focal_plane_bootcamp / svv / technotes /



Conclusion

Workshop material = goldmine of resources to efficiently contribute to Rubin commissioning

Big thanks to the experts who helped me to prepare this material: Fabio, Quentin, Dominique, Sylvie, Rance

Questions:

- Maintenance/update of the repository?
- Similar workshop next year?