2022-02-01 Science Metric Development Agenda and Meeting notes

Date

01 Feb 2022

Location

Zoom alias : https://ls.st/rsv

Zoom: https://noirlab-edu.zoom.us/j/96120781994?pwd=bCtpT3Q3b2RsU1ZBRUFaSnUrZXo3Zz09#success

Attendees

Regrets

Useful links

Metric tracking dashboards

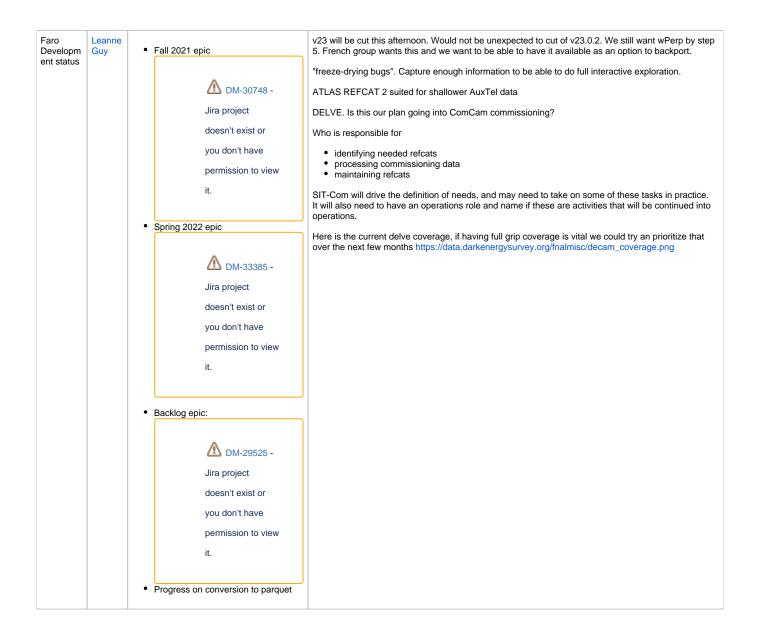
DC2 and HSC RC2 monthly reprocessing (Gen3 and Gen2/3, faro): https://chronograf-demo.lsst.codes/sources/2/dashboards/75
 Nightly CI (Gen3, faro): https://chronograf-demo.lsst.codes/sources/2/dashboards/70

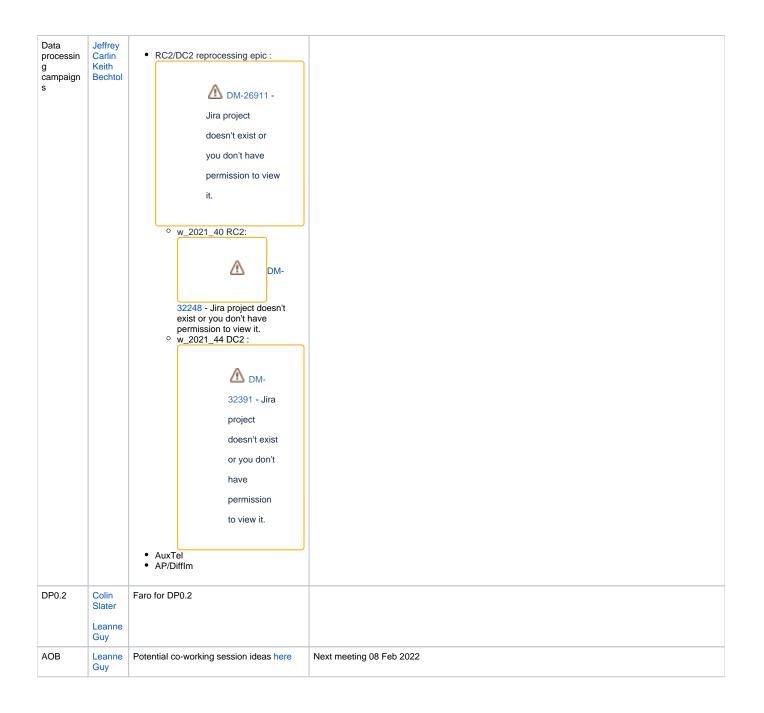
Rubin science pipelines weekly change log and Github repo: https://github.com/lsst-dm/lsst_git_changelog

Status of jenkins jobs and slack channle for notifications: #dmj-s_verify_drp_metrics slack channel

Discussion items

Item	Who	Pre-meeting notes	Minutes
News, announce ments and task review	All		
CI status, bugs, issues of the week	All	 Discussion on slack about wPerp requiring a large amount of memory: https://lsstc.slack.com/archives /C011E32UZAB /p1643131727008000 	 Review of action items from last week: Filtering before matching. This has been waiting on . All activity has been killed on NCSA machines. Failure mode. Introducing new matched catalogs made CI jobs break. If jenkins job completes today, we should be able to merge. wPerp switching over to using parquet tables. Jeff has started working on a ticket branch. Needs the data selectors to be merged first. Discussed with Sophie Reed. Would like to adopt faro as the place where algorithms for calculating metrics live. Port functions into faro. Will need to confirm with Yusra. Don't expect problems. Is there an issue with duplicating selectors? The ones we have implemented so far in faro are similar to analysis_drp, but more general.
			What is the order of operations:
			Matching before filtering in FITS input is separate and trying to finish ASAP.
			Selectors is a per-requisite for the wPerp fix.
			Asking Sophie to review the selectors ticket. Keith will also take a look.
			Jeff noticed that metric values shift by about 5% (in both directions) after the filtering before matching. We are keeping more data because we are throwing out fewer objects due to a single problematic measurement.
			We should make sure that we have the capability to diagnose the behavior when





List of tasks (Confluence)

Description	Due date	Assignee	Task appears on
Leanne Guy to talk to Science Pipelines (Yusra) about when do this transfer 19 Oct 2021	19 Oct 2021	Leanne Guy	2021-09-28 Science Metric Development Agenda and Meeting notes
Leanne Guy arrange to disucss at a future meeting if there are metrics from PDR3 & this paper that we might want to include in faro. 26 Oct 2021	26 Oct 2021	Leanne Guy	2021-08-31 Science Metric Development Agenda and Meeting notes

Colin to ask about capturing ideas for improvement to the stellar locus algorithm 30 Nov 2021	30 Nov 2021		2021-11-09 Science Metric Development Agenda and Meeting notes
Colin Slater to make a preliminary draft agenda for a workshop to clarify visualization use cases for science verification and validation		Colin Slater	2022-04-19 Science Metric Development Agenda and Meeting notes
Jeffrey Carlin to review metric specification package organization and the relationship to formal requirements documents		Jeffrey Carlin	2022-04-19 Science Metric Development Agenda and Meeting notes
Keith Bechtol Schedule a time to have focused discussion on verification package, potentially next status meeting		Keith Bechtol	2021-09-14 Science Metric Development Agenda and Meeting notes
Keith Bechtol to make a ticket to better understand mapping of these camera and calibration products characterization efforts to verification documents and the focus of these efforts. Discuss with the SCLT		Keith Bechtol	2021-09-14 Science Metric Development Agenda and Meeting notes