2021-07-27 Science Metric Development Agenda and **Meeting notes**

Date

27 Jul 2021

Location

Browser	Room System	Phone Dial-in
https://bluejeans.com/690803707 or https://ls.st/rsv	 Dial: 199.48.152.152 or bjn.vc Enter Meeting ID: 690803707 -or- use the pairing code 	Dial-in numbers:

Attendees

- Jeffrey Carlin
- Colin Slater
- Erik Dennihy
- Tony Tyson
- Keith Bechtol
- Robert Lupton

Regrets

- Leanne Guy (NSF review)Simon Krughoff (vacation)

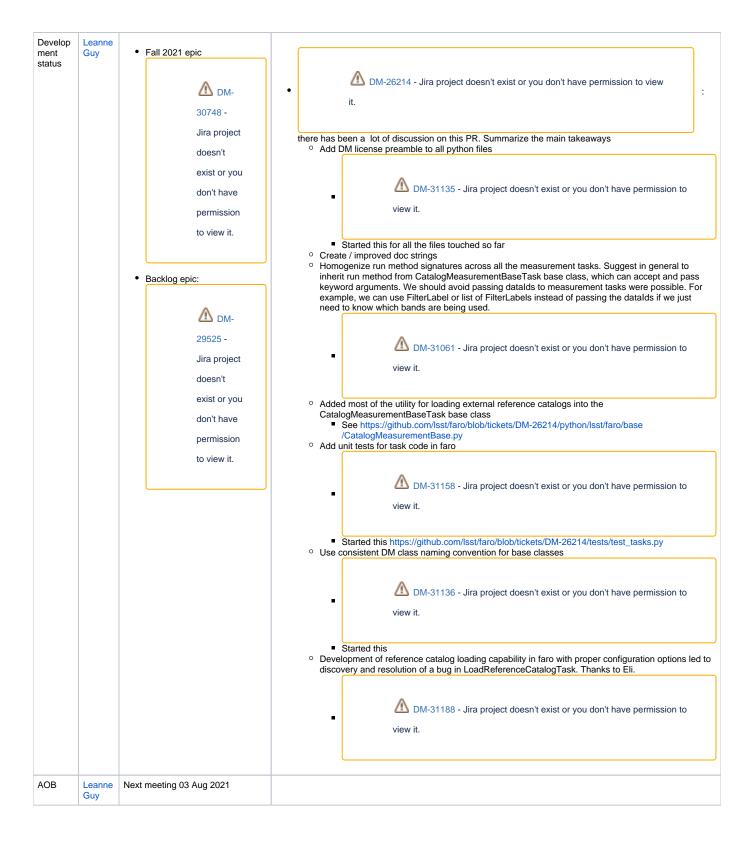
Metric Tracking Dashboard

URL:

Discussion items

Item	Who	Pre-meeting notes	Notes and Action Items
News, announc ements and task review	Leanne Guy	Welcome to Erik Dennihy	

Bugs, issues, topics, etc of the week	All	JSON/sst.verify NaN issue in faro was resolved by turning faro off. We need to a) get a new validation dataset in place and turn it back on and b) work out how to deal with NaN in reporting to squash (we will have to deal with NaN)	Failure due to a change in json reader. Python requests model does not want shape invaild json over http. The datasets being used for validate_drp. Don't compute valid metrics due to changes in implementation. Disable in nighly builds. Longer term solution is to develop a better Cl dataset. Should we stop using NaN as a sentinel value when attempted to compute the metric but insufficient data. Multiple issues Transport layer Do we want to have more classes of failure status? For example: Not enough data
		 validate_drp is also failing due to NaN. Recommend leaving to pipelines to decide what to do as they are still using it for G2/3 parity 	 Algorithm failed What happens when NaN goes to influxDB? Currently treats as those metrics do not exist. There is a distinction between visualization and what is stored in the database. NaN do not show up as entries in table in Chronograph. We want to be aware of results when.
		testing. • RFC-793 : use PyTest in science pipelines. Support! We don't have enough unit tests in faro.	Jeffrey Carlin make a proposal to define failure status for metrics. 31 Aug 2021 Are we concerned that we do not currently have valid metrics values from nightly CI to look on dashboard? Breakages are on CI, not RC2 dataset. Currently thinking about the nightly CI mainly for checking breakages, not looking at performance for nightly CI. We do care about this for larger datasets.
			Simon has been compiling larger dataset that could be a middle ground.
			Simon met with DRP folks. Once Dan Taranu is back from vacation, create dashboard for DRP metrics monitoring meeting. This should change soon. faro development group may need to help with dashboard creation.
Reproce ssing status and metrics	Jeffrey Carlin Keith Bechtol	Dashboards can be found here: htt ps://chronograf-demo.lsst.codes /sources/2/dashboards Monthly reprocessing:	w30 processing in progress. Few errors. Mostly done. Metrics should have been calculated, but are not yet being displayed on a dashboard Jeffrey Carlin Check with Yusra on status of faro dashboard for RC2 03 Aug 2021
review		DRP faro metrics (DRP metrics nightly CI Gen3 (validation_data_*)) (new validation datasets should be added to this dashboard) DRP validate_drp metrics monthly Gen 2 (HSC RC2)	



List of tasks (Confluence)

Due Assignee Task appears on date

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