2022-02-15 Science Metric Development Agenda and Meeting notes

Date

15 Feb 2022

Location

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

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

Attendees

Peter Ferguson

Jeffrey Carlin

Keith Bechtol

Regrets

Useful links

Metric tracking dashboards

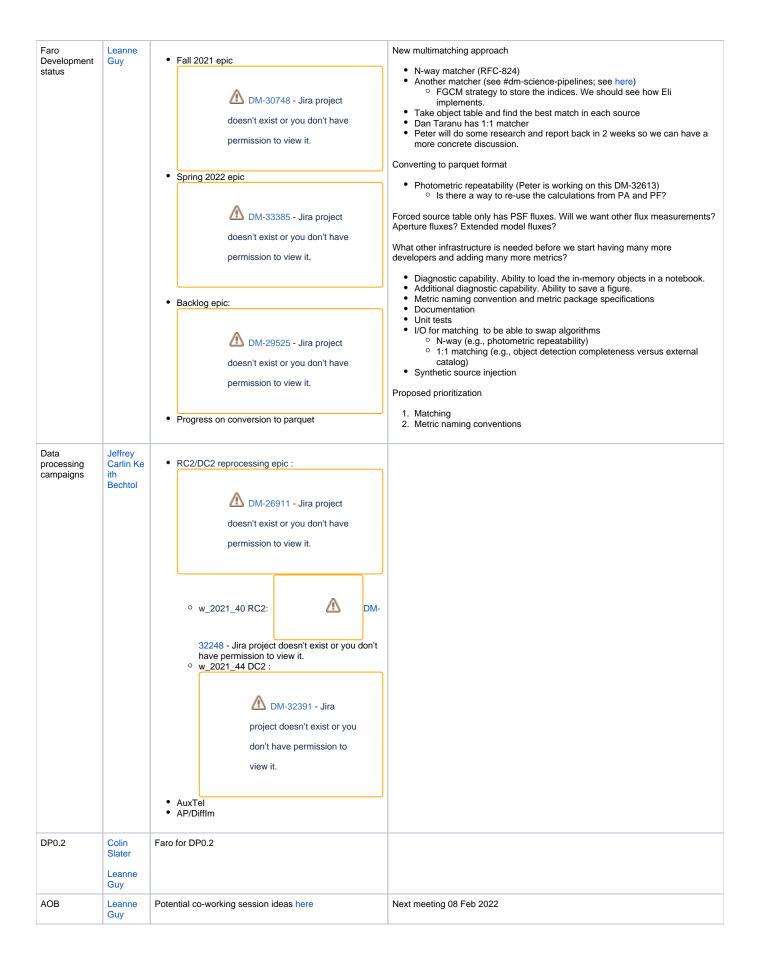
- DC2 and HSC RC2 monthly reprocessing (Gen3 and Gen2/3, faro): https://chronograf-demo.lsst.codes/sources/2/dashboards/75
- Nightly CI (Gen3, faro): https://chronograf-demo.lsst.codes/sources/2/dashboards/70

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, announcemen ts 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 /C011E3ZUZAB/p1643131727008000	The filtering before multi-match branch was merged last week. No feedback yet on memory consumption yet. Is there a way we can test this more directly ourselves? What stats are most useful? See https://github.com/erykoff/fgcm/blob/66f97d1a4ccb31ddf4bd31ac11195c0c0c8b1a4a/fgcm/fgcmUtilities.py#L60-L86 The metric values computed on nighly runs have, in general, slightly improved as evidenced on SQuaSH. Our hypothesis is that we are getting better quality matches. WPerp. Jeff started work on a ticket branch. wPerp is currently loading full tract object catalogs in three bands from FITS files. We think this is the only current task that is loading full tract object catalogs.



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