DRP Metrics Monitoring 2021-10-11

(postponed from 2021-10-04)

Mondays 12pm - 12:50pm ET

Yusra's Zoom: https://princeton.zoom.us/my/yusra

Attendees:

Yusra, Arun, Nate, Jim, Leanne, Eli, Lauren, Jeff, Brock, Lee, Hsin-Fang, Chris (Waters), Clare, Dan, Merlin, Simon, Robert, Josh, Sophie

Agenda:

Announcements: Monica will be back for 0.15 FTE. Brock will continue indefinitely.

it.

- Review Action items from last week
- Review w_2021_38
 - What was noteworthy in this rerun?
 - Gen2 (DM-31815)
 - LAM: lost some steam on this one with the more pressing DP0.2 issues. Processing is ongoing and should be done with metrics dispatched in the next couple of days.
 - One change I will look into soon is Eli Rykoff 's fix on

M DM-31462 - Jira project doesn't exist or you don't have permission to view

which should get us

(close to) gen2/gen3 parity for fgcm

- Gen3 (DM-31795)
 - most issues were database connection issues.
 - Some errors in image different in step4.
 - bps report claimed that the execution butler failed, but exited with success? Michelle Gower looked into it. Are we worried about it?
 - BB: Metrics produced and may be dispatched. Ping SK and ask why they aren't showing up on the dashboard.
 - Sophie's analysis_drp plots are produced for w34
- What changed? Annotate
- What do we expect from w_2021_42?
 - Post column renaming (DM-31825).
 - faro might be run as part of the steps if tickets gets in before Wed DM-32029
 - ER & LAM: On jointcal, Gen2-Gen3 config differences have to do with column names. Gen2 uses source table. If there are ordering differences, there can be some stochasticity.
 - Changes toward Gen2-Gen3 parity:
 - We also expect some changes (towards parity) on the next run. I will hopefully get the coadd level exposure and source IDs in sync between the two middlewares on

⚠ DM-30284 - Jira project doesn't exist or you don't have permission to view

(thanks again to Jim

- Bosch for his help on that one!), so we won't face random seeding difference issues.
- One question I have relates to jointcal: I've seen some chatter about obs_subaru gen3 configs moving around...are these configs being kept in sync with gen2?
- What new metric can we expect next time

it.

- YA's plan: raw number counts for DIA sources per unit area. I hear John added jointcal metrics a couple weeks ago
 - LG: New SRD metrics. Can take a wishlist of non-SRD metrics.
 - YA: offset with refcat and matches between band please
 - LK: Sky object metrics.
- Review DC2
 - ° w_2021_36
 - Gen3: Boring
 - Gen2: calexps(?) were same between Gen2 & Gen3
 - ° w_2021_40

Gen2: running with all	▲ DM-30284 - Jira project doesn't exist or you don't have permission to view it.	branc
between gen2 & gen3. LAM: Jim says Scarlet c JB: If we can't get identic Gen3: w40 - full focal pla	up to mergeDetections, but see that ticket for details about some nagging coadd PSF difference an be sensitive to numerical differences. Everything except coadd PSFs are identical. cal results, and if we can assert that Gen3 results are good enough, we can still retire Gen2. ane. Especially good for astrometric matches. 300,000ish jobs - finished all jobs except `calibrate` b both fine. On `step4` now. rt-v23 label)	
 LAM: would like eyes on 	M-32128 - Jira project doesn't exist or you don't have permission to view it.	and
■ JC: nightly ci dispatching	29 - Jira project doesn't exist or you don't have permission to view	

- DT showed pull (chi) plots for CModel in DC2 w26. Will show more plots on Wednesday team meeting Oct 20.

Action Items

Description		Due date	Assignee	Task appears on
	Add a plot with fakes stats to the dashboard. Sophie Reed04 Sep 2020	04 Sep 2020	Sophie Reed	DRP Metrics Monitoring 2020- 08-07
	Sophie to add field in metric definition to hold thresholds. DM-43364 - Getting issue details STATUS : We need to talk about this when Sophie is back!			DRP Metrics Monitoring 2024- 04-22
	Sophie to add field in metric definition to hold thresholds. DM-43364 - Getting issue details STATUS			DRP Metrics Monitoring 2024- 03-18
	Sophie: make a new list for outstanding analysis_drp plots that require moving, send to Jim			DRP Metrics Monitoring 2023- 06-26
	Clare: add analyzeMatchedVisitsCore to drp_pipe step8			DRP Metrics Monitoring 2023- 06-26
	turn catchFailures on in calibrate. Add flag to indicate that deblender failed because PSF is bad.			DRP Metrics Monitoring 2022- 10-31

Yusra AlSayyad Eric's account was deleted; we need to make sure he has all his logs.	Yusra AlSayyad	DRP Metrics Monitoring 2021- 06-14
Arun Kannawadi Modify rho stats in pipe_analysis_to use debiased moments (see DM-30751 - Getting issue details STATUS).	Arun Kannawa di	DRP Metrics Monitoring 2021- 04-19
Investigate rho-stats an ellipticity resids in w_2020_06 post-Scarlet Arun Kannawadi Fred Moolekamp	Arun Kannawa di	DRP Metrics Monitoring 2021- 03-01
Yusra AlSayyad Do a rerun with w50 PS1 refcat and one with shrunk refcat errors.	Yusra AlSayyad	DRP Metrics Monitoring 2021- 01-04
Jeffrey Carlin Add an absolute astrometry match-to-refcat metric to dashboard DM-34153 - Getting issue details STATUS	Jeffrey Carlin	DRP Metrics Monitoring 2021- 01-04