

DRP Metrics Monitoring 2021-05-17


Mondays 12pm - 12:50pm EST

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


Attendees: Arun, Chris (Waters), Dan, Fred, Hsin-Fang, Jeff, Jim (Bosch), Josh, Lauren, Leanne, Lee, Morgan, Nate, Robert, Sophie, Yusra

Agenda:

- Review Action items from last week
- Review w_2021_18
 - What was noteworthy in this rerun?
 - Gen2: Missing matchedVisitMetrics, objectTable_tract. https://lsst.ncsa.illinois.edu/~yusra/RC_QA/w_2021_18/
 - Gen3: Yay! First version to complete. Includes diffim.
 - (does not include 9813 narrow-band) DM-29944
 - What changed? Annotate
 - What do we expect from w_2021_22?
 - New features:
 - debiased HSM moments
 - parquet ForcedPhotTable
 - Changes toward Gen2-Gen3 parity:
 - [DRP Gen2 to Gen3 Pipeline Migration Coordination](#)
 - a few lingering SFM differences revealed in w14 RC2 runs: see


 [DM-29881](#) - Jira project doesn't exist or you don't have permission to view it.

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 [DM-30030](#) - Jira project doesn't exist or you don't have permission to view it.

- LM: How do account for padding in raw vs jointcal wcs. HSC default is 250. default default is 0. There are a bunch of places where padding is defined "pixelMargin" should be < 250 padding default. Proposal: set all the defaults to 250. Not a big deal for DC2. Might be for DECam.
- Want to be able to run faro on both gen2 and gen3 reruns of w_2021_18. Monika ran faro on the Gen3 repo. Haven't run the the gen2-gen3 converted repo yet.
- Clare noticed a satellite trail is missing in the gen3 version that's still in the gen2 version. Get patch number from Clare: 9813, i-band, patch, '4,8'=76


- ✓ Generate a sky frames that are more similar to the ones that NAOJ are using (created

 [DM-31401](#) - Jira project doesn't exist or you don't have permission to view it.

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- ✓ Copy Lauren's Gen2 SkyFrames to the Gen3 repo (awaits decisions to be made on and execution of

 [DM-31401](#) - Jira project doesn't exist or you don't have permission to view it.

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hich may moot this task if we opt to wait for post-Gen2) Jim Bosch

- What new metric can we expect next time
- Review DC2
 - w_2021_16:
 - DT: Surprising OK. We were missing configs so we definitely won't have parity between gen2-gen3 w16. w20 SHOULD have the same parity that HSC does.

- Ran faro the gen3 w16 and started the gen2 w16. Noticed some patches are missing. Need to check if there's anything missing.
 - There's a script that Simon wrote: "makeJobDoc" which will make the json.
 - DT: how are we going to Manage all the dashboards.
- LM: If you see differences between gen2 and gen3 is probably configs.
 - ☒ Go through dashboards and see if we can prune any or mark them legacy
- [Gen3 Pipeline for DP0.2](#)
- AOB

Action Items

Description	Due date	Assignee	Task appears on
<input type="checkbox"/> Add a plot with fakes stats to the dashboard. Sophie Reed 04 Sep 2020	04 Sep 2020	Sophie Reed	DRP Metrics Monitoring 2020-08-07
<input type="checkbox"/> Sophie to add field in metric definition to hold thresholds. <div> DM-43364 - Getting issue details... <div>STATUS</div> </div> : We need to talk about this when Sophie is back!			DRP Metrics Monitoring 2024-04-22
<input type="checkbox"/> Sophie to add field in metric definition to hold thresholds. <div> DM-43364 - Getting issue details... <div>STATUS</div> </div>			DRP Metrics Monitoring 2024-03-18
<input type="checkbox"/> Sophie: make a new list for outstanding analysis_drp plots that require moving, send to Jim			DRP Metrics Monitoring 2023-06-26
<input type="checkbox"/> Clare: add analyzeMatchedVisitsCore to drp_pipe step8			DRP Metrics Monitoring 2023-06-26
<input type="checkbox"/> turn catchFailures on in calibrate. Add flag to indicate that deblender failed because PSF is bad.			DRP Metrics Monitoring 2022-10-31
<input type="checkbox"/> 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
<input type="checkbox"/> Arun Kannawadi Modifv rho stats in pipe_analysis to use debiased moments (see DM-30751 - Getting issue details... <div>STATUS</div>).		Arun Kannawadi	DRP Metrics Monitoring 2021-04-19
<input type="checkbox"/> Investigate rho-stats an ellipticity resids in w_2020_06 post-Scarlet Arun Kannawadi Fred Moolekamp		Arun Kannawadi	DRP Metrics Monitoring 2021-03-01
<input type="checkbox"/> 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
