

# DRP Metrics Monitoring 2021-12-06

**Mondays 12pm - 12:50pm ET**


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

Postponed from Nov 29.

## Attendees:

- [Yusra AlSayyad](#)
- [Lauren MacArthur](#)
- [Eli Rykoff](#)
- [Unknown User \(brendal4\)](#)
- [Clare Saunders](#)
- [Arun Kannawadi](#)
- [Jeffrey Carlin](#)
- [Jim Bosch](#)
- [Leanne Guy](#)
- [Hsin-Fang Chiang](#)
- [Christopher Waters](#)
- [Merlin Fisher-Levine](#)
- [Matthias Wittgen](#)
- [Colin Slater](#)
- [Sophie Reed](#)
- [Lee Kelvin](#)
- [Dan Taranu](#)

## Agenda:

- Announcements:
  - Review Action items from last week
  - [Processing Status](#)
  - Review HSC RC2 rerun w\_2021\_46
    - What was noteworthy in this rerun?
      - Gen2: Still in progress.
      - Gen3: [DM-32563](#)
        - Went smoothly!
        - wPerp still needs to be run on lsst-devl by hand.
        - JFB: We expect this to be fixed by parquet tables.
        - LG: We expect this to be wrapped up imminently.
    - What changed? Annotate
      - stellar\_locus\_width\_wPerp has gone up – not sure why. Leanne Guy suggests that this may be related to the behavior seen in CI Gen3 where the stellar locus fluctuated nightly, but it's not possible that this could be because of something in Science Pipelines (changed are not made on a nightly basis, so this would be impossible). It may not be possible to trust the numbers coming out of faro right now. We also need to investigate why the dates for the stellar locus only go back to October.
    - What do we expect from w\_2021\_50 IN 2 DAYS (last RC2 of the year)?
      - Processing changes:
      - Changes toward Gen2-Gen3 parity:
        - LAM would like a quick discussion on the last few comments on
-  [DM-30284](#) - Jira project doesn't exist or you don't have permission to view it.
- In skyCorr there are very small expected differences.
  - In directWarp the differences are more significant. In Gen3, the sky correction is not getting applied correctly and is not updating the calexp. After correcting this the major differences are gone. There are still small differences which are probably explained by differences in FGCM. It looks like the root issue is that a reference to the maskedImage is getting changed, but the maskedImage is not changed. JFB suggests that the problem is that the maskedImage was not deep-copied.
  - What new metric can we expect next time
    - DC2: [DM-32624](#) (the secret bank of DC2 configs)
    - RC2:
      - check that skyCorr is being applied during makeWarp. w50
- Review DC2
  - w\_2021\_44
    - gen3: [DM-32391](#)

- expected error in step1. also expected error from DM-31777
- gen2:
  - [Gen3 Pipeline for DP0.2](#) (backport-v23 label)
- Why is the astrometry metric so bad for DC2? The photometry metric is better than what we see from HSC. Eli says that jointcal will not help astrometry because the simulation has steps between detectors that do not follow the model of smooth variations over the field of view expected by jointcal or gbdes.
- Processing schedule for the next 6 weeks:
- AOB:

## Action Items

Description	Due date	Assignee	Task appears on
<input type="checkbox"/> Add a plot with fakes stats to the dashboard. <a href="#">Sophie Reed</a> 04 Sep 2020	04 Sep 2020	<a href="#">Sophie Reed</a>	<a href="#">DRP Metrics Monitoring 2020-08-07</a>
<input type="checkbox"/> Sophie to add field in metric definition to hold thresholds. <a href="#">DM-43364</a> - Getting issue details... <span>STATUS</span>			<a href="#">DRP Metrics Monitoring 2024-03-18</a>
<input type="checkbox"/> Clare: add analyzeMatchedVisitsCore to drp_pipe step8			<a href="#">DRP Metrics Monitoring 2023-06-26</a>
<input type="checkbox"/> Sophie: make a new list for outstanding analysis_drp plots that require moving, send to Jim			<a href="#">DRP Metrics Monitoring 2023-06-26</a>
<input type="checkbox"/> turn catchFailures on in calibrate. Add flag to indicate that deblender failed because PSF is bad.			<a href="#">DRP Metrics Monitoring 2022-10-31</a>
<input type="checkbox"/> <a href="#">Yusra AlSayyad</a> Eric's account was deleted; we need to make sure he has all his logs.		<a href="#">Yusra AlSayyad</a>	<a href="#">DRP Metrics Monitoring 2021-06-14</a>
<input type="checkbox"/> <a href="#">Arun Kannawadi</a> Modifv rho stats in nine_analysis to use debiased moments (see <a href="#">DM-30751</a> - Getting issue details... <span>STATUS</span> ).		<a href="#">Arun Kannawadi</a>	<a href="#">DRP Metrics Monitoring 2021-04-19</a>
<input type="checkbox"/> Investigate rho-stats an ellipticity resids in w_2020_06 post-Scarlet <a href="#">Arun Kannawadi</a> <a href="#">Fred Moolekamp</a>		<a href="#">Arun Kannawadi</a>	<a href="#">DRP Metrics Monitoring 2021-03-01</a>
<input type="checkbox"/> <a href="#">Yusra AlSayyad</a> Do a rerun with w50 PS1 refcat and one with shrunk refcat errors.		<a href="#">Yusra AlSayyad</a>	<a href="#">DRP Metrics Monitoring 2021-01-04</a>
<input type="checkbox"/> <a href="#">Jeffrey Carlin</a> Add an absolute astrometry match-to-refcat metric to dashboard <a href="#">DM-34153</a> - Getting issue details... <span>STATUS</span>		<a href="#">Jeffrey Carlin</a>	<a href="#">DRP Metrics Monitoring 2021-01-04</a>

