# DRP Metrics Monitoring 2021-06-14

**Mondays 12pm - 12:50pm EST**

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

## Attendees:

Yusra, Arun, Chris (Waters), Clare, Dan, Eli, Fred, Hsin-Fang, Ian, Jim (Bosch), Josh, Lauren, Leanne, Lee, Monika, Merlin, Morgan, Nate, Robert, Sophie

## Agenda:

- Review Action items from last week
    - New refcat loader that will make it easier for faro to load in refcats. DM-30054
- Review w_2021_22
    - What was noteworthy in this rerun?
        - Gen2: Issues with singleFrameDriver related to out-of-bounds psf ticket. Lost 9813 during mulitband driver. SkyCorrection required more time than last rerun. 9615 HSC-G. see if transient. faro on the gen2-gen3 conversion pending Eli's afterburner converter.
        - Gen3: Failures for HSM PSF. and a missing skymap. Some failures with the narrowband filter for filter.
            - ☑ Set up appointment for Simon to teach us how to link faro to squash. Yusra AlSayyad
    - What changed? Annotate
    - What do we expect from w_2021_26?
        - New features:
            - No HSM crashing! DM-30426
                - ER: This is a new feature. Before this would have corrupted memory.
            - New NoWorkFound "expected failures" DM-30649
            - Fix for singleFrame astrometric matching for DC2 DM-30490
            - analysis_drp plots.
        - Changes toward Gen2-Gen3 parity:
            - DRP Gen2 to Gen3 Pipeline Migration Coordination
        - What new metric can we expect next time
- Review DC2
    - w_2021_20:
        - Gen2: Eric
            - ☐ Yusra AlSayyad Eric's account was deleted; we need to make sure he has all his logs.
            - ☐
        - Gen3:
    - w_2021_24:
        - Gen3: Done. Some errors. ShapeHSM error. Two WriteSourceTable jobs failed with no space on disk. Some failures for image difference DM-30649 on its way. Takes only 2 days if there are no code problems.
            - Monika will rerun two writeSourceTable jobs just to see if they're transient. JB: BPS will do automated retries which will fix but also hide these. RL: When? JB: Weren't expecting on having to do retries at these smaller scales reruns. We can tell HTCondor to do this but I'm not sure the details.
        - Gen2: Completely blocked by brighter fatter correction. CZW: Converting the existing kernels to be read in should not be too hard and I'll file a ticket today. DM-30738
            - DT: Then why does the bright star photometry look OK for the older gen2 w_2020_48? LM: we were not doing BF correction in Gen3, we just turned it on. Turning it on broke the Gen2 rerun.
                - ☑ Compare w20 and w24 to confirm that BF is turned on and functioning. This is now confirmed for gen3, see

                    > ⚠ DM-30747 - Jira project doesn't exist or you don't have permission to view it.

                    for details.
    - Gen3 Pipeline for DP0.2
- AOB
    - DT: I'm interested in seeing what the new debiased moments tell us about PSF modeling.
    - SR: The blendedness column in the objectTable is entirely nans.
        - ☑ Sophie Reed will file a ticket

Meet again in 2 weeks:

By then we need:

- faro run on gen2-gen3 converted repos, with Eli's afterburner.

# 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 | | | DRP Metrics Monitoring 2024-03-18 |
| ☐ Clare: add analyzeMatchedVisitsCore to drp_pipe step8 | | | DRP Metrics Monitoring 2023-06-26 |
| ☐ Sophie: make a new list for outstanding analysis_drp plots that require moving, send to Jim | | | 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 Kannawadi | DRP Metrics Monitoring 2021-04-19 |
| ☐ Investigate rho-stats an ellipticity resids in w_2020_06 post-Scarlet Arun Kannawadi Fred Moolekamp | | Arun Kannawadi | 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 |