

DRP Metrics Monitoring 2022-04-04

Mondays 12pm - 12:50pm ET

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

Attendees:

- [Yusra AlSayyad](#)
- [Colin Slater](#)
- [Nate Lust](#)
- [Jim Bosch](#)
- [Robert Lupton](#)
- [Lauren MacArthur](#)
- [Jeffrey Carlin](#)
- [Lee Kelvin](#)
- [Eli Rykoff](#)
- [Leanne Guy](#)
- [Fred Moolekamp](#)
- [Dan Taranu](#)
- [Christopher Waters](#)
- [Andrés Alejandro Plazas Malagón](#)
- [Arun Kannawadi](#)

Agenda:

- Meeting recorder? (last 5 meetings were: Fred, Lee, Keith, Clare, Jim)
- Announcements:
- Review Action items from last week
 - Why did TE1/TE2 look bad in DC2 w10. Scarlet-lite change, "in that sense more correct", Fred was looking into building a "deblender-friendly star selector" (current selection includes things that were ruled out as primary sources).
 - Arun working on tract-level ellipticity residual plots. Goal to have it by weekly 13.
- [Processing Status](#)
- Review HSC RC2 rerun w_2022_12
 - What was noteworthy in this rerun? How did processing go?
 - DM-34125, error in a makeWarp tract (std::bad_alloc). Worked on Yusra's retry, will hopefully work on a rescue submission.
 - Gen2 reruns are officially done.
 - What changed in the metrics?
 - wperp dashboard broken due to "tellar_wPerp" misspelling. Ticket for Angelo.
 - Why there was a wPerp dispatch on Feb 16 and Feb 17, with different values? Have to change the date manually, could have been a typo(?).
 - TE1 y and i missing? Suspect a transient memory issue.
 - Where is bad_alloc coming from? Infrastructure issue, bad ram? Eli: I only see that if I accidentally try to allocate 10TB of ram...
 - Don't have metrics that would be sensitive to amp-to-amp matching that was turned on. Things did not get worse, but have to do more specific checks. Eli did a thing that showed no difference.
 - Does that mean that there's some remaining badness in BG subtraction? No, probably RC2 not big enough to test with Eli's test.
 - Also longer exposures make the effect less significant, and RC2 is all long exposures.
 - Would RMS of sky objects show this? Could, would be good to add this back into the gen3 dashboard.
 - Small change in nightly RC2 subset that might have corresponded to amp-amp offsets? Jeff added an annotation.
 - rc2_subset March 17th increase in wPerp? Then it went back down March 30, when piff was turned on.
 - Probably changed star selection, both through PSF mags and extendedness?
 - Will see this in DC2 in two weeks, RC2 in four weeks.
 - Plots are now part of the review
 - RHL would like vectors that show a star moving from one position on a plot to another position in a different run. Technically difficult.
 - Where did the Tier1/Tier2 plot list go? Yusra will post to the agenda.
 - Annotate
 - What do we expect from w_2022_16? (Tagged April 13)
 - What new metric or plot can we expect next time?
 - New features: PIFF
 - Metrics: Sky Objects! Maybe some deblender metrics (e.g. Number of parents skipped)
 - Review DC2
 - w_2022_10 already reviewed 2 weeks ago
 - AOB:
 - New flags getting added to deblender, could affect selections used for metrics. Do we need to do something to distinguish these changes from new features like Piff?
 - No, if we need to do retrospective analysis, then we'll do retrospective.
 - Next meeting 18 Apr 2022

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... STATUS</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... STATUS</div>			DRP Metrics Monitoring 2024-03-18
<input type="checkbox"/> Clare: add analyzeMatchedVisitsCore to drp_pipe step8			DRP Metrics Monitoring 2023-06-26
<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"/> 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 <div>DM-30751 - Getting issue details... STATUS</div>).		Arun Kannawadi	DRP Metrics Monitoring 2021-04-19
<input type="checkbox"/> Investigate rho-stats an ellipticity resides 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
<input type="checkbox"/> Jeffrey Carlin Add an absolute astrometry match-to-refcat metric to dashboard <div>DM-34153 - Getting issue details... STATUS</div>		Jeffrey Carlin	DRP Metrics Monitoring 2021-01-04

