

DRP Metrics Monitoring 2021-03-01

Mondays 12pm - 12:50pm EST

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

Attendees:

Agenda:

- Review Action items from last week
- Review w_2021_06
 - What was noteworthy in this rerun?
 - It was a rough one. Filter problems with multiband. Memory problems with multiband which needed a config parameter to change in order to get it through. More filterName problems in pipe_analysis. Took 3 weeks instead of 1 week.
 - Slurm issue appears to be there was an update in slurm versions in the most recent maintenance window.
 - Features: (scarlet and filter names)
 - Beware: 9813 uses a different config than 9697 and 9615. setSpectral=False.
 - What changed? Annotate
 - ☐ Investigate rho-stats an ellipticity resides in w_2020_06 post-Scarlet [Arun Kannawadi Fred Moolekamp](#)
 - ☒ Redefine what skyObjects and skySources mean when Scarlet is being used. Use flags to plot measurements on the parent? Fred Moolekamp Lauren MacArthur Lee Kelvin
 - What do we expect from w_2021_10?
 - New features:
 - Beware of: ticket that redefines isPrimary which might change metrics next rerun. maybe next
 - Native Gen3 rerun.
 - For hopes of parity (from upstream to downstream) we need to get the following in by Wednesday:
 - Read Calibs the same way in ISR between Gen2 and Gen3:
- Review w04 DC2
- AOB
 - The result of ci_hsc_gen2 TE1 didn't change when scarlet was added on 1/27. Because Scarlet is not on in processCcd. processCcd still uses the SDSS Deblender. validation_data_hsc/validate_drp only runs validate_drp.
- some plots to consider: https://lsst.ncsa.illinois.edu/~emorgan2/w_2021_06_qaplots/HSC-I/tract-9813/visit-1228/compareVisit-v1228-diff_base_CircularApertureFlux_12_0-sky-gals.png



DM-28985 - Jira project doesn't exist or you don't have permission to view it.

- PsfWcsSelectImagesTask: DM-20695 (Reviewed. Will merge today)
- Apply jointcal/FGCM during makeWarp: DM-17062 or DM-27613 (working today. Need quick review tomorrow)
- ForcedCcd ForcedCoadd: DM-19942
- TransformObjectTable: DM-22277 Is anything downstream of this ready?

- What new metric can we expect next time

https://lsst.ncsa.illinois.edu/~emorgan2/w_2021_06_qaplots/HSC-I/tract-9813/compare-t9813-HSC-I-diff_modelfit_CModel-sky-gals.png

https://lsst.ncsa.illinois.edu/~emorgan2/w_2021_02_qaplots/HSC-I/tract-9813/plot-t9813-HSC-I-skyObjects-hist.png

https://lsst.ncsa.illinois.edu/~emorgan2/w_2021_06_qaplots/HSC-I/tract-9813/plot-t9813-HSC-I-skyObjects-hist.png

https://lsst.ncsa.illinois.edu/~emorgan2/w_2021_06_qaplots/HSC-I/tract-9813/compare-t9813-HSC-I-trace_calib_psf_used-sky-stars.png

Action Items

Description	Due date	Assignee	Task appears on
☐ 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

☐ 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 nine_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