

AP Pipeline QA Meeting, 2021-05-03

4pm Pacific Time

BlueJeans: <https://bluejeans.com/426716450>

attending:

- [Ian Sullivan](#)
- [Leanne Guy](#)
- [Yusra AlSayyad](#)
- [Unknown User \(cmorrison\)](#)
- [John Parejko](#)
- [Andrew Connolly](#)
- [Colin Slater](#)
- [Zeljko Ivezić](#)
- [Bryce Kalmbach](#)
- [Kenneth Herner](#)
- [Meredith Rawls](#)
- [Unknown User \(gkovacs\)](#)
- [Krzysztof Suberlak](#)
- [Eric Bellm](#)

regrets:

Topics for discussion:

- Precursor processing ([Meredith Rawls](#)):
 - DM-29422: gen3+bps HSC Cosmos run
 - sample of random 50 diasource cutouts
 - Zeljko points out that many of the HiTS sample alerts had single pixels with very negative values—we seem to see similar effects here
 - sky plot with 3+ good DIASources looks pretty good—only a little bright star and edge structure. With all good DIASources it's a bit worse
 - using a larger list of bad flags—but still majority of the
 - plots per visit still showing some per-CCD and edge troubles
 - seems like next step is starting to explore where the weird effects appear in spatial positions/flags/look at cutouts, etc.
 - equivalent HiTS processing awaiting port into shared gen3 repo
- SITCOM team updates ([Andrew Connolly](#) et al.):
 - [Krzysztof Suberlak](#) shared work on ComCam simulations.
 - Simulations of donuts (phosim) using ComCam and LSSTCam, processed using stack Gen 3 pipeline
 - Also processing the equivalent in-focus images
 - Note that crosstalk is not yet turned on
 - Do not need special camera mappers anymore
- PreOps V&V ([Colin Slater](#)):
 - nothing today
- Review CI (<https://chronograf-demo.lsst.codes/>):
 - Observed difference in diaSource to direct source ratio is probably due to diffim variance scaling in DECcam, not clear where the difference comes from in HSC
 - Likely somewhere in single frame measurement
 - For HSC Gen 3, there are differences in the number of sources detected on the calexp and the calexp themselves have differences at the pixel level
 - Yusra: in DRP the Gen 2 and Gen 3 calexp for HSC are now bitwise identical, the fix was changing how the calibs are read in. [Lauren MacArthur](#) would be able to explain more.
 - Lauren here:
 - anyone wanting to follow along/catch up on gen2 vs. gen3 up to SFM is welcome have a look at




DM-28858 - Jira project doesn't exist or you don't have permission to view


it.





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


it.

 [DM-28936](#) - Jira project doesn't exist or you don't have permission to view it.


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

 [DM-29819](#) - Jira project doesn't exist or you don't have permission to view it.

 [DM-29820](#) - Jira project doesn't exist or you don't have permission to view it.

 [DM-29821](#) - Jira project doesn't exist or you don't have permission to view it.

- start of the fgcm and jointcal comparisons, respectively). All are listed under the drp-parity Jira label.
- As for the issue here, at least one cause (and fingers crossed the only) is that gen2 ap_verify has doBrighterFatter=False, whereas it is True in the gen3 version. See updates on

 [DM-29344](#) - Jira project doesn't exist or you don't have permission to view it.

- Feel free to ping me if further details are desired.
- There's also a bump in the ratio of DIASources to science sources on 4/25-4/27 in both cameras in both gens that we don't have annotated...
- Next meetings (all at 4pm Pacific):
 - first Mondays of the month: June 7 is our next meeting
- AOB
 - none today

Action Items

Description	Due date	Assignee	Task appears on
<input type="checkbox"/> Eric Bellm write up retention policy and sizing for APDB 17 Jul 2023	17 Jul 2023	Eric Bellm	AP Pipeline Meeting, 2023-06-26

<input type="checkbox"/> Eric Bellm dig into alert serialization test in ap_association and ticket ways to improve it 11 Sep 2023	11 Sep 2023	Eric Bellm	AP Pipeline Meeting, 2023-08-21
<hr/>			
<input type="checkbox"/> Eric Bellm review broker communication channels 25 Sep 2023	25 Sep 2023	Eric Bellm	AP Pipeline Meeting, 2023-08-14
