AP Pipeline Meeting, 2021-09-27

2pm Pacific Time

BlueJeans: https://bluejeans.com/426716450

attending:

- Eric Bellm
- Ian Sullivan
- Krzysztof Findeisen
- Kenneth Herner
- Unknown User (cmorrison)
- Spencer Nelson
- Meredith Rawls

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regrets

Topics for discussion:

- Project updates (Eric Bellm , Ian Sullivan):
 O JSR next week
- Pipelines Infrastructure (Krzysztof Findeisen):

RFC-807 - Jira project doesn't exist or you don't have permission to view

it.

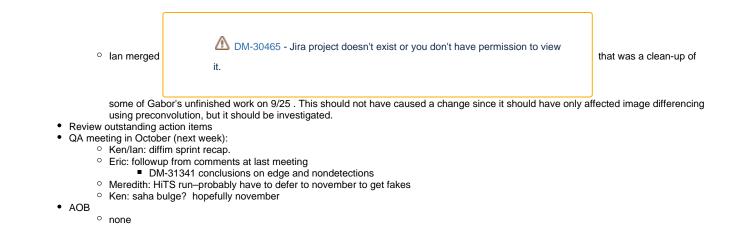
naming

template

- this is DRP focused, but we should expect to have to propagate changes back to AP-e.g., psFlux psFlux
- bitmasks packed or not or will depend on implementation, doesn't affect us
 - Schema translator is the same between AP and DRP
 - KF: Do we need to keep the APDB schema as is?
 - CM: That is a guestion for DAX. This could change their timing metrics.
 - CM: Does not consider this too bad of a problem, since CM wrote the DRP and AP code. The two do not share code
 after the transform step.
 - The pipeline on our end would get caught by CI pretty quick if DRP changes things that effect AP.
- Precursor processing (Meredith Rawls, Kenneth Herner):
 Meredith
 - at present can't do both fakes and multi-tract:
 - multiple tracts trying to write the same dataset type with the same dataID
 - https://lsstc.slack.com/archives/C01FBUGM2CV/p1632769640247100
 - · some discussion of how this may or may not differ from other products
 - Chris thinks there may be some workarounds with loadMulti-they will chat during pair coding
 - easiest would be to drop fakes
 - or use a single tract-but that would require too much time, still has to rebuilt calibs
 - Eric suggests: don't push on being ready for QA meeting, let's resolve the fakes loading before running HiTS (either by fixing fakes loading for multi-tract, or defining a single tract as a fallback)
 - Diffim sprint reprocessing (Ken)
 - Lots of extra DiaSources showing up in patch-like regions around the outside of the diffims using the best seeing-selected coadds
 - The DiaSources look good (and the same as before) using the middle seeing selected coadds
 - Suggestion is that there is a possibility that the wrong coadds are being grabbed for the best seeing case, and these might have few constituent images
- Image differencing algorithms (lan Sullivan):

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	ve science image convolution	

- vs science image convolution.
- association/SDM/fakes/astrometry (Unknown User (cmorrison)):
- real-bogus (Eric Bellm, John Parejko):
 - no updates
- alert distribution/performance tuning (Spencer Nelson):
- Preops DP0.2 preparation (all):
 - Review CI (https://chronograf-demo.lsst.codes/):
 - There is a change in the DiaObjects metric for both Cosmos and HiTS starting 9/26.



Action Items

Description	Due date	Assignee	Task appears on
Eric Bellm write up retention policy and sizing for APDB 17 Jul 2023	17 Jul 2023	Eric Bellm	AP Pipeline Meeting, 2023-06-26
Eric Bellm dig into alert serialization test in ap_association and ticket ways to improve	11 Sep	Eric	AP Pipeline Meeting,
it 11 Sep 2023	2023	Bellm	2023-08-21
Eric Bellm review broker communication channels 25 Sep 2023	25 Sep	Eric	AP Pipeline Meeting,
	2023	Bellm	2023-08-14