

AP Pipeline Meeting, 2023-01-30

2pm Pacific Time

Zoom: <https://washington.zoom.us/j/98846655020>

attending:

- [Eric Bellm](#)
- [Ian Sullivan](#)
- [Ari Heinze](#)
- [Krzysztof Findeisen](#)
- [Brianna Smart](#)
- [Erin Howard](#)
- [Kenneth Herner](#)
- [John Parejko](#)
- [Nima Sedaghat](#)

regrets

Topics for discussion:

- Project updates ([Eric Bellm](#) , [Ian Sullivan](#)):
 - JP: if you are traveling with a partner to JTM you can potentially purchase tickets yourself with permission
- Pipelines Infrastructure ([Krzysztof Findeisen](#) , [John Parejko](#)):
 - KF:
 - still working on getting Prompt Processing back up and running–COSMOS dataset didn't have enough template coverage for all the raws
 - updating all of the ap_verify datasets to use the latest repo format–pull if you have local copy
- Precursor processing ([Kenneth Herner](#) , [Erin Howard](#)):
 - Erin: still fighting Saha Bulge templates–output log file is 1 GB and has been running for 5 days
 - Ken wonders if there are jobs that are over the memory requirements, which would hold those jobs and any that depend on them.
 - Ken: ticket for HSM shape changes is now ready for review in ip_diffim
 - one question: slot_shape flag is the general one, SDSSShape and HSMShape have sub-flags. sounds like we'll just propagate them up.
- Image differencing algorithms, DCR ([Ian Sullivan](#) , [Bruno Sanchez](#)):
 - no updates. Bruno hopefully joining ~next week
- transinet ([Nima Sedaghat](#), [Eric Bellm](#)):
 - no update; Ian still owes a code review
- alert distribution ([Brianna Smart](#) , [Eric Bellm](#)):
 - alert brokers running successfully for a week now.
 - A few weird things–e.g., the archiver writer has died. One broker shows access denied, not clear yet what is causing the error
 - Bri happy to invite the brokers to connect to the IDF ~tomorrow once she checks a couple things
 - Eric & Leanne talking about how to commission the brokers–various political minefields. Sending DC2 alerts may be the most straightforward
- Solar-system processing ([Ari Heinze](#)):
 - heliolincc can already digest detections from all of PS1, ATLAS, Catalina, & ZTF–could postprocess and discover new things
 - meeting with Mario tomorrow to talk pythonization of heliolincc
- Review CI (<https://chronograf-demo.lsst.codes/>):
 - DM-32756 was a DRP template bugfix, removed some unassociated DIAObjects from both HSC and DECam (good), slight improvement in fake completeness (good), but adds runtime (bad). [Ian Sullivan](#) to ticket future performance optimization of this step.
 - one of the two HSC images takes twice as long to execute subtractImages as the other--why?
- Review outstanding action items
- QA meeting in February (Ian will lead):
 - HSM shape flag – Ken
 - HSC with convolution mode=auto – Erin
 - potential future:
 - edge flags?
 - preconvolution
 - RB scoring? still too early, want to show it one of the large runs
 - Discussion of AP QA needs in the future that Commissioning/LINCC might assist with
 - Eric on detection thresholds/fakes forced photometry? (still no, Eric expects to miss Feb. meeting)
- AOB
 - JP: created a Slack room related to travel for JTM #chile-jtm-planning

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 it 11 Sep 2023	11 Sep 2023	Eric Bellm	AP Pipeline Meeting, 2023-08-21
☐ Eric Bellm review broker communication channels 25 Sep 2023	25 Sep 2023	Eric Bellm	AP Pipeline Meeting, 2023-08-14