

AP Pipeline Meeting, 2019-05-13

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

attending: Eric Bellm Meredith Rawls Krzysztof Findeisen Ian Sullivan Unknown User (emorganson) Unknown User (gkovacs) John Swinbank

Topics for discussion

- HiTS reprocessing (Meredith Rawls):
 - working on the excess detections due to background problem
- DES processing (Unknown User (emorganson)):
 - ops rehearsal last week: data transfer, (simulated) images were processed through SFP. Main learning was about communication
 - New faster computers that will eventually go to Chile; Eric will run ap_pipe timing estimates on them for comparison: faster disk reads, more RAM, etc.
- ap_association (Unknown User (cmorrison)):
 - Chris is out this week
- DCR (Ian Sullivan):
 - found & fixed bug when template is finer resolution than science



DM-19660 - Jira project doesn't exist or you don't have permission to view

it.

. Probably this didn't affect HiTS

processing since unlike the DCR sims the spatial sampling of HiTS science and data are the same

- also wrote code to correctly calculate PSFs from DCR models



DM-19517 - Jira project doesn't exist or you don't have permission to view

it.

- gets somewhat cleaner results now (e.g. in total number of sources) since deconvolution artifacts have decreased
- image differencing (Unknown User (gkovacs)):
 - worked on backlog tickets
 - wrote to Robert, who requested a short writeup with particular attention to preconvolution
 - thinking some about interaction between polynomial modifications to the kernel
- Review CI (<https://chronograf-demo.lsst.codes/>):
 - Minor decrease (improvement?) in # of unassociated DIAObjects, which we associate with DM-19660
 - gradual (!) improvement in runtime; Jenkins has migrated to faster machines at NCSA, but it's not an obvious step function
- AOB
 - Ian requests another DCR run of DECam HiTS—Meredith will teach him to fish



DM-18394 - Jira project doesn't exist or you don't have permission to view

it.

needs an expert (maybe

Yusra) to evaluate a possible config change. other option is to fix ip_diffim

- ✓ Unknown User (gkovacs) is assigned to investigate