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):
 - o 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,
- ap_association (Unknown User (cmorrison)):
 - o Chris is out this week
- DCR (lan Sullivan):

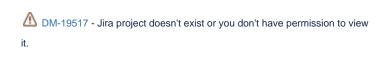
o found & fixed bug when template is finer resolution than science

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



- o 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
 - o wrote to Robert, who requested a short writeup with particular attention to preconvolution
 - o thinking some about interaction between polynomial modifications to the kernel
- Review CI (https://chronograf-demo.lsst.codes/):
 - o Minor decrease (improvement?) in # of unassociated DIAObjects, which we associate with DM-19660
 - o gradual (?!) improvement in runtime; Jenkins has migrated to faster machines at NCSA, but it's not an obvious step function
- o Ian requests another DCR run of DECam HiTS-Meredith will teach him to fish

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