

AP Pipeline Meeting, 2018-10-15

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

attending: [Eric Bellm](#) [John Swinbank](#) [Unknown User \(emorganson\)](#) [Unknown User \(cmorrison\)](#) [Ian Sullivan](#) [Meredith Rawls](#)

Topics for discussion:

- HiTS reprocessing ([Meredith Rawls](#))
 - still fighting the coadds. [Eric Bellm](#) to tag up separately
- DES processing ([Unknown User \(emorganson\)](#))
 - g-band coadds were the only ones being constructed; some weirdness happening with jobs just hanging
- CI ([Krzysztof Findeisen](#))
 - #dmj-s_ap_verify channel reports nightly status
 - time to explore Squash integration? TBD
- DCR ([Ian Sullivan](#))

- fixed subfilter bug (



DM-15638 - Jira project doesn't exist or you don't have permission to view

it.

), which fixed the

sign error (some WCS flips) and a DECam longitude bug

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DM-15634 - Jira project doesn't exist or you don't have permission to view

it.

variance plane bug is not coming from

Ian's code: coadding messes up variance planes but only for Ian's data product

- tried more things: matching filter throughputs more closely to input sims. Suspects throughputs are a significant source of remaining mismatch
- some discussion of next steps:
 - new code to handle finite bandwidth effects?
 - running on real data
 - (variable PSFs...)
- ap_* development
 - Chris has filled out all columns in the DPDD in a schema ([DM-15588](#))
 - propagating changes through ap_pipe
 - propagation of DIASource flags to association DB (this will happen automatically with above changes). [John Swinbank](#) points out there is still a mapping task here to "DPDD-ify" which flags get stored per bit
 - some long discussion of whether to map flags onto bitmaps or add named boolean columns per flag
 - discussion of DIAObject flag set (<https://jira.lsstcorp.org/browse/DM-15929>) Eric made a confluence page [DIAObject flags](#)
 - [Meredith Rawls](#) suggests looking at flags that come out of DRP coadds—both images and Objects
 - question of excluding DIASources; use flags to say when
 - DES SN team had a flag for is "at least one" and "at least two" DIASource selections reliable—unflagged, > 5 sigma etc.
 - was this image taken on two separate areas of the camera? so rules out artifacts at single sky position.
 - presence of nearby bright star/galaxy
- AOB/table round
 - [Unknown User \(emorganson\)](#) has been poking at Maria's alert distribution system.