

AP Pipeline Meeting, 2018-11-19

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

attending: Eric Bellm Ian Sullivan John Swinbank Meredith Rawls Krzysztof FindeisenUnknown User (cmorrison)

Topics for discussion:

- HiTS reprocessing ([Meredith Rawls](#))

- summarizing recent work on



DM-13081 - Jira project doesn't exist or you don't have permission to view it.

, which

spawned



DM-16543 - Jira project doesn't exist or you don't have permission to view it.



DM-16544 - Jira project doesn't exist or you don't have permission to view it.

- Chris suggests that flags labeled "slot" may be more useful than eg using the pixel flags.
- Ian suggests that DM-16544 is due to using PSF-matched coadds—any time the PSF convolution kernel touches a mask. But that's to make the coadd, and the mask growing is happening in diffim.
- Krzysztof says Yusra recommend convolvedTemplate=True last year for use with PsfMatched coadds. This is the default setting for ImageDifferenceTask, so we're currently using it implicitly.
- DES processing ([Unknown User \(emorganson\)](#))
- CI ([Krzysztof Findeisen](#))
 - SQuaRE has been pushing forward on pushing ap_verify metrics to SQuASH. But SQuASH assumes some metadata is present that isn't there. [Simon Krughoff](#) has promised to fix it in
- DCR ([Ian Sullivan](#))
 - gain matching code updated, new unit tests added, small bug found and fixed
 - responding to reviews on three tickets
 - Also made simulated test dataset with variable PSFs and ran through his code; doesn't work as well, as expect. Extremely bad PSFs will drive model to divergence. Just did a simple ~grid of PSF sizes.
 - what's it take to do HiTS?
 - [Meredith Rawls](#) has tried running this, but makeCoaddTempExp is hanging—needs investigation.
 - [Ian Sullivan](#) also has a smaller test DECam dataset
- ap_* development
 - [Unknown User \(cmorrison\)](#) PPDB seems to be running as expected, doing some quick checks to catch any null column handling issues.
 - wrapping up the ticket, then on to flags.
- AOB/table round
 - Eric thinking about matching to HiTS classified variables. Chris suggests could instantiate DIAObject table with those objects and let them collect