**Pipeline Review 2020 – Issues**

John Data Dump of Issues

* Orientation problem with Courtney and Sara’s data – we have a fix, but why did this occur? AtlasViewer issue?
* Need to document all the front-end decisions about wavelength-specific issues / extinction coeffs and whether extinction coeffs vary by age; also spatial dimension of SD distances (cm vs mm); where does SDgui come in and how precise does that have to be?
* Need imageRecon and RunGLM to run without aborting and write any problems to a log
* How deal with two session NIH data? Imagerecon for each run at present and then run GLM over multiple image recon files…but two runs should use light model for session 1 and two runs for session 2 light model
* Zscore design matrix for GLM? – see Adam’s email
* Input file is unwieldy – can we do anything there or just leave as is – do we need all those columns?
* Fix Vince’s file read; plays ok with my ‘unique’ code; when apply ‘unique’ code
* Set up GLM for Gates so I can do which analyses?
  + Load
  + First look change v nochange?
  + SLF
  + Others? Easy way to edit design matrix down the road?
* Fix code so single subject run works
* Some bits weren’t running first subject – why?
* Any way to streamline some of the AFNI code, or is that as is…
* Re-run Gates time series extraction from 0 – 18s.
* Set up code to extract time series without the average? E.g., from stim1 to stim2? Useful for plots and additional analyses like coherence
* Redo extract code so one file per clust\_order file; files will be smaller and can be added to git
* We used diff files for Y1 and Y2 tform to group space – is that all ok? Needs cleaning?