Licensing

* Dr. Backus has talked with her people and we are good to go ahead using just an academic license. Commercial licensing can be handled in the future.

Frequency During Recording

* Lillian asked what the frequency of the AC excitation signal is
* Dr. Backus says its 1000 Hz

Outside Information

* Zach / Mehrezat asked about how important information from outside of the waveforms is when annotating.
* Dr. Cooper, Dr. Backus: Outside information is used. In particular, notes are made when gain levels are changed in the Windaq file
* It can be hard to decide when a jump means a state transition without knowing when these gain level are changed
* Slope of a gain change is fairly gradual in comparison to behavioral shift
* Shifts in gain should be able to be found in the Windaq files
* We should interface with the Engineering team on making sure that all the information available from Windaq would also be available in their software.

Deep Learning

* Milo brought up the fact that recordings with multiple probes are much longer and more computational power to use. Is it reasonable to chop up the recordings into individual probes / remove the NP part of the recording
* Dr. Cooper said it could be reasonable to chop up the waveforms into different probes.
* Dr. Reif asked if computational power is expected to be high for inference or if Milo is mostly referring to training.
* Milo clarified that he is mostly referring to training, we expect inference to be much faster / computationally intensive.
* Prof. Hope and Milo discussed making the model more memory efficient, will continue their conversation offline.

Interface

* Mehrezat brought up that we are going to start working on the user interface.

For Next Meeting

* Zach will present the results of transition-based analysis (changepoint detection)