

Meeting Minutes

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Client

January 17, 2018 1:30pm-2:00pm

Agenda Notes/Status Report

Status: We wrote the preprocessing algorithm in Python that filters out the noise by calculating the median and then doubling it since the noise is much larger than the dataset. This is all from simulated data.

We plan to do windowing and cross correlation algorithms in the next couple weeks.

We upgraded the target board to 16 MegaHz. We plan to make more simplifications to our boot sequence. We want to place some switches on the box and have the switches toggle between the five different boot configurations.

For the antenna, we are trying to find a good ratio of bandwidth to frequency. We would like to find a professional, good price antenna instead of building one for quality assurance. The probes do the job for now.

The plan for parts and PCIE board (KC 705): Client is trying to acquire a power supply and once they find that, they will ship the whole package.

The Engineering Expo is on April 27 (Friday). The detailed design review is the first week of February (2/7). It will be the same format as the PDR, where other students will attend.

The biggest risks are data acquisition, speed, and sensitivity.

Key Decisions

- * Key Decision: Plan to perform the DDR via teleconference (and share the screen on Skype) on 2/7.
- * Key Decision: Plan to meet once a week with the client on Wednesdays at 1:30 PST (2:30 Client time).

Action Items

- * Team: Send updated milestones and schedule to client.