



NASA Psyche Mission: Sampling System Team

Meeting Agenda

<p>Start Meeting Determine Meeting Schedule</p>	<p>Monday, February 10, 2020 Library - Room 184 Client & Staff Meeting</p> <ul style="list-style-type: none"> ● Present: <ul style="list-style-type: none"> ○ Dr. Bowman ○ Dr. Trevas ○ Andrew Acosta ○ Sultan Almarzouqi ○ Sam Armstrong ○ Karissa Barroso ○ Scott Sprauer
<p>Upcoming Assignments</p>	<p>Actions/Notes:</p> <ul style="list-style-type: none"> ● Upcoming Building Goals ● Testing Surface
<p>Next Meeting</p>	<p>Next Staff meeting: February 17, 2020 at 1pm in building 98C</p> <p>Next Client Meeting: The next client meeting (for February 24 due to Dr. Bowmans availability - team will communicate over Ryver)</p>

Notes:

This week Scott and I will work on testing the main drill (the original drill motor we had) with the drill battery that we have and powering it through the Arduino. We will also get in contact with you this week to pick up the tetrax to get started on the main base frame. We may need some direction in how to put it all together in a way that you are able to see all the electronics.

Sultan has a drill motor picked out in the case that the old motor does not work. He will order it this week if we are unable to get the old motor running.

Andrew finished the drawings for the electromagnetic base and will be submitting those this week so we can get that order in and get a quote, or know if we can get sponsored or not. If they do sponsor us I will contact Dr. Oman this week about how to do this.

Sam has the parts for the linear actuator already determined. We are just discussing the size and dimensions constraints so he can order the right parts that fit with these finalized dimensions. Our design won't be a 1 to 1 scale, so we are just finalizing how big we want to go with the full system.

DISCLAIMER

This work was created in partial fulfillment of Northern Arizona University's Capstone Course "ME 486C". The work is a result of the Psyche Student Collaborations component of NASA's Psyche Mission (<https://psyche.asu.edu>). "Psyche: A Journey to a Metal World" [Contract number NNM16AA09C] is part of the NASA Discovery Program mission to solar system targets. Trade names and trademarks of ASU and NASA are used in this work for identification only. Their usage does not constitute an official endorsement, either expressed or implied, by Arizona State University or National Aeronautics and Space Administration. The content is solely the responsibility of the authors and does not necessarily represent the official views of ASU or NASA.