



## NASA Psyche Mission: Sampling System Team

### Meeting Agenda

Start Meeting	Monday, February 3 2020 1PM 98C Attendees: <ul style="list-style-type: none"><li>• A. Acosta</li><li>• S. Almarzouqi</li><li>• S. Armstrong</li><li>• K Barroso</li><li>• S. Sprauer</li><li>• Dr. Trevas</li></ul>
Upcoming Assignments	<b>Actions/Notes:</b> <ul style="list-style-type: none"><li>• Hardware Review Memo</li><li>• Building Plans</li></ul>

### Notes:

Diamond Coring bit

- can borrow from geology
- Emailing then with specific specs this week to solidify borrowing

Can we be sponsored by a machine shop in town?

Emailed Badir - working on getting a table in 98C near us (not sure if they're available though)

Motor - Sultan is doing research on motor for drill

- 3 options
- need phase changer

For motor drivers

- ACME thread
- Ball - nut screw

Remote control operation



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### Action List

Sultan - Order hardware (motors, batteries)

- Research motors
- Research battery

Andrew - Contact Geology

- Machining
- Lifting electro-magnets
- Linear actuator

Sam - Talk to Dr. Oman about being sponsored by KM

- Complete drawing for base to send to KM
- Update CAD (Electro and base for machining)
  - Create drawing for KM

Karissa - Machining drawings (contact Dr. Oman about sponsoring)

- Get in touch w Dr. Bowman (about materials to build test setup )
- Plywood for testng

Scott - Written up code

- Going to Arduino club to test code with motor

### DISCLAIMER

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