Attendees: Jen Hellar, Nathaniel Morris, Rachel Nguyen, Brady Taylor, Robyn Torregrosa, Robby Flechas, Gary Woods

“Things are going, but they’re going slowly”

* Brady- converters, fuel gauge.
  + Data unaliased, once filtered, it’s misleading. We need to know the highest voltage
  + BT- it would keep going to 4.2
  + RN- want to use solar so leave laptop outside, get data faster. Use big tupperware, possibly use older laptop
  + GW- terrible fuzz on data, sure it’s not aliased?
  + BT- have anti-alias filter, and there is twiddle. When you LPF it, you have a single line that’s misleading
  + GW- maybe you can show me what an actual scope trace looks like?
  + GW- why’s it going negative there? RN- that’s where we were setting up the circuit
  + 100mAhr battery
  + GW- maybe put good scope on it with 4 traces
    - ~25% efficient
    - Drawing @\_\_\_ and charging @
  + RN- ~13% efficient when cloudy
  + BT- found fuel gauge (which knows chemistry of battery), buck-boost converter (to deliver 5V but keep lines constant)
  + RN- need separate current supply for BLE and msp
  + Rachel- LDOs
  + GW- not clear that need LDO for separate
  + Do we need 2 clean lines for voltage? We’re making a platform so we should try to support whatever.
  + Rate limiting step is BLE- that would bring down voltage of battery
  + GW- do what we can to reduce parts list to keep down on space
    - Evaluation board is ~$100
    - “Just order it”
* RT talks about power cycle of temp/hum sensor
* Cycle 2 objectives
  + Wants to see power document- how much power expected from solar under X conditions, how much power needed by each thing
  + Haven’t gotten the dust sensor thing going yet, so no promises on that yet?
* Brady wants a power class