Team Meeting w/ Gary Woo

* Jen- sensing ethylene for plant ripening? Need to be in ppb to be useful
* GW: Talk to Frank Tittel on what’s possible w/ gas sensing
* Rachel- talked to Wettergreen, he knows people from Airlines Houston and Breathe Hosuton, aggregates different air qual sensors around Houston. Might be interesting to talk to (someone is coming to OEDK from Breath Houston next week)
* Robby- emailed Ricardo about ASTRO project air qual, he recommends PM2.5
* Power
  + Could we use heat lamp as the sun? Nah it’s not enough
  + Maybe make a labview program to test
  + Brady is afraid of breaking things, but we would rather break things now and be able to replace
  + MPPT- presents impedance it presents to solar cell to extract max power
    - Rachel- when load is small, max curve. There is some point where you get max power on IV curve, and this mppt finds that
* Comms
  + Getting current draw from featherboard
  + Doing basic tests w/ code from Jen
  + Micro usb to connect. Gonna hook a resistor in with it
  + Next step: migrate Feather → MSP with bluefruit board
* Others
* External Oscillators
  + How many slips would we get a month/
  + Why use SiTime rathe than quartz oscillator? This is significantly less power
  + Buy the SiTime with a single frequency, not a range
* FRAM- fast read-and-write, but it’s a destructive read
* Bluefruit manages the offload, that’s not managed by msp430
* Msp430 can even do an fft