**November 13, 2015**

* Laptop was around 37 seconds ahead of clock
* Altitude: 357m
* For next time:
  + Build sheath around iMet sensor
  + Don’t hold Iris down near iMet sensor (hand affects GPS)
  + Don’t have Iris on autopilot (affects throttle)
  + Switch up boards for sondes, one took a long time to get a GPS lock

**iMet Sensor Placement:**

Sensor 1: On top of Iris

Sensor 2: In aspirated chamber

Sensor 3: Originally in the sun under Mesonet tower but moved to a sunnier area

Sensor 4: Not in use

Sensor 5: In shade near Mesonet display

Sensor 6: On the bottom of Iris

**Test 1:**

Iris on ground

Sonde 1: 16 inches away from Iris

Sond 2: 3 inches above Iris

9:16.03 - 9:16.59 half throttle

9:17.28 - 9:18.34 full throttle

* Copter held on ground (affected GPS signal)
* Copter was on autopilot so it was trying to autocorrect the height with throttle (not accurate full/half throttle)

**Test 2:**

Iris on ground

Sonde 1: 16 inches away from Iris

Sonde 2: 6 inches above Iris

9:20.10 - 9:21.57 full throttle

* Sonde 1 lost GPS connection (hand holding copter?)
* Copter no longer on autopilot

**Test 3:**

Iris 6 feet above ground

Sonde 1: 1 foot away from Iris

Sonde 2: 2 feet away from Iris

9:23.58 - 9:24.36 full throttle

Sonde 1: 2 feet away from Iris

Sonde 2: 1 foot away from Iris

9:26.16 - 9:26.51 full throttle

* GPS connection no longer affected by hand

**Test 4:**

Iris 3 feet above ground

Sonde 1: 6 inches above Iris

Sonde 2: 1 foot out from the front of Iris

9:29.50 - 9:30.16 full throttle

Sonde 1: 1 foot out from the front of Iris

Sonde 2: 6 inches above Iris

9:31.19 - 9:31.43 full throttle