**February 5, 2016**

General Information:

* Sondes 248, 249
* iMet 5, 6

Original Position: 15-20 yards away from Washington Mesonet

Sonde 248

iMet 6

Iris

iMet 5

Sonde

249

**UAV BATTERY VOLTAGE = 12.22 V**

Test 1(260° W – away from us):

\* Had trouble getting the drone calibrated.

* On – 8:23.05
* Ascent Start – 8:23.21
* Reached Max Height – 8:23.40
* Max Height – 10 m
* Descent Start (low battery) – 8:35.43
* Landed – 8:36.01

**UAV BATTERY CHANGE = 12.59 V**

Test 2 (170° S – towards Mesonet):

* On – 8:49.49
* Ascent Start – 8:49.54
* Reached Max Height - 8:50.12
* Max Height – 10 m
* Descent Start (low battery @ 10.2 V) – 9:05.20
* Landed – 9:05.30

**UAV BATTERY CHANGE = 12.00 V**

**SONDE BATTERY CHANGE**

Test 3 (same as test 2):

* On – 9:17.44
* Ascent Start – 9:17.50
* Descent Start – 9:17.58

Test 4 (same as test 1):

* On – 9:18.17
* Ascent Start – 9:18.22
* Out of Control – 9:18.42
* Landed – 9:19.24

Test 5:

* On – 9:20.29
* Ascent Start – 9:20.36
* Reached Max Height – 9:21.20
* Max Height – 10 m
* CCW 90° - 9:22.01
* CCW 90° - 9:22.55
* CCW 90° - 9:23.56 (facing Mesonet)
* CCW 90° - 9:25.02 (facing us)
* CCW 90° - 9:26.08
* Descent Start – 9:27.20
* Landed – 9:27.40