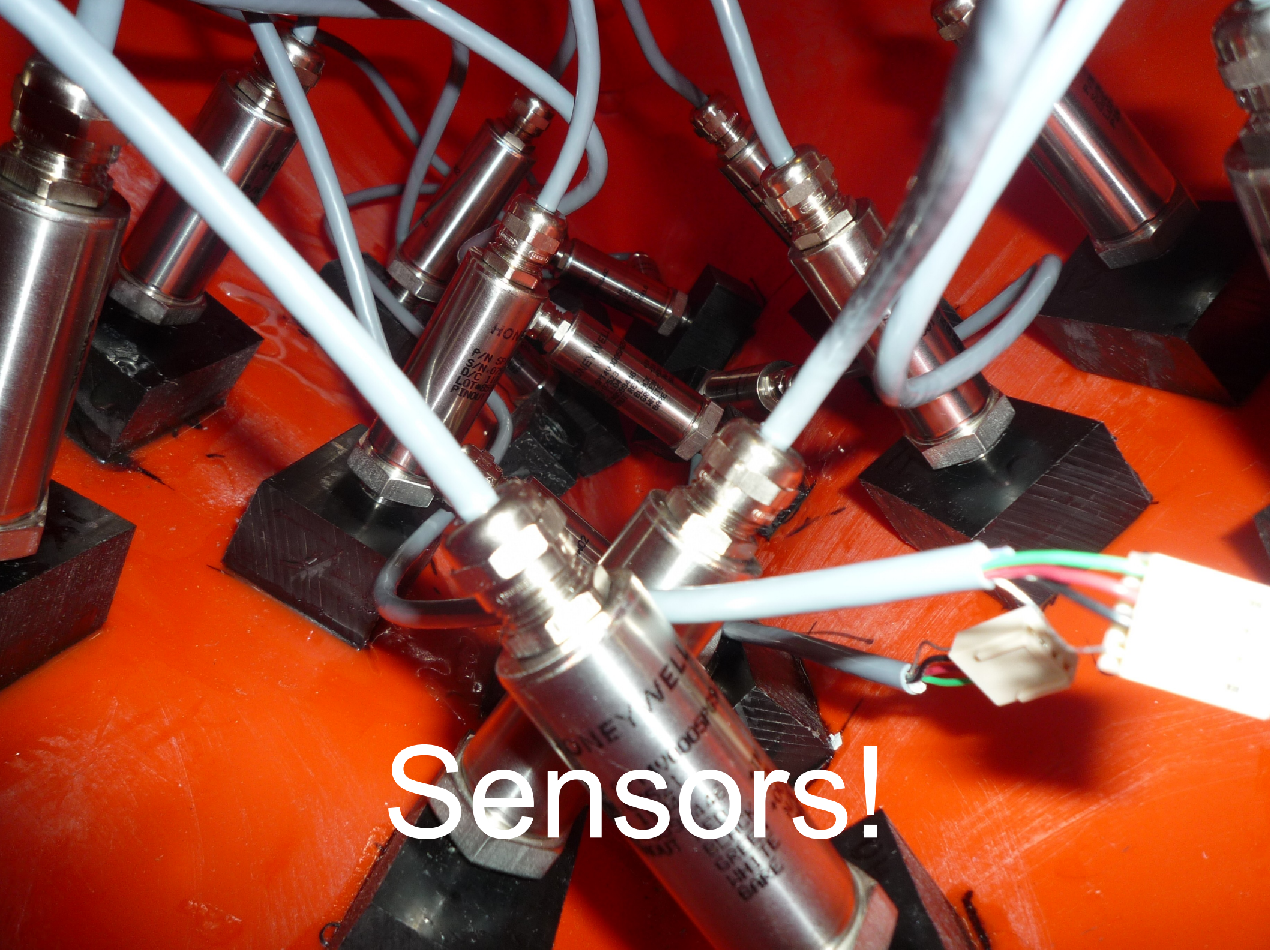
Orange Kayak Update
July 12, 2011

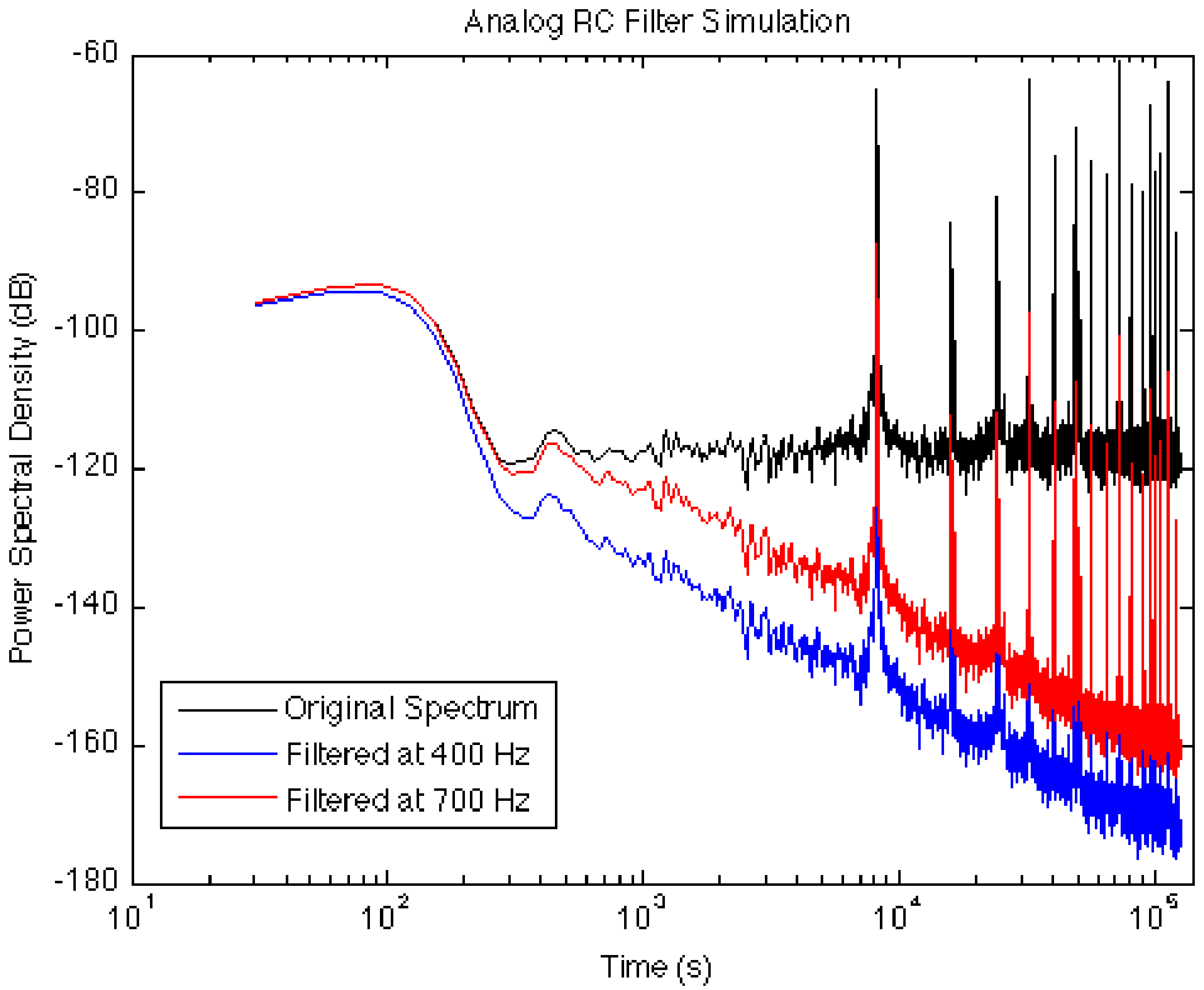
Drilled holes for sensors

sealed leaking tabs


Sensors!

Analog RC filter

to remove aliased noise at > 8kHz



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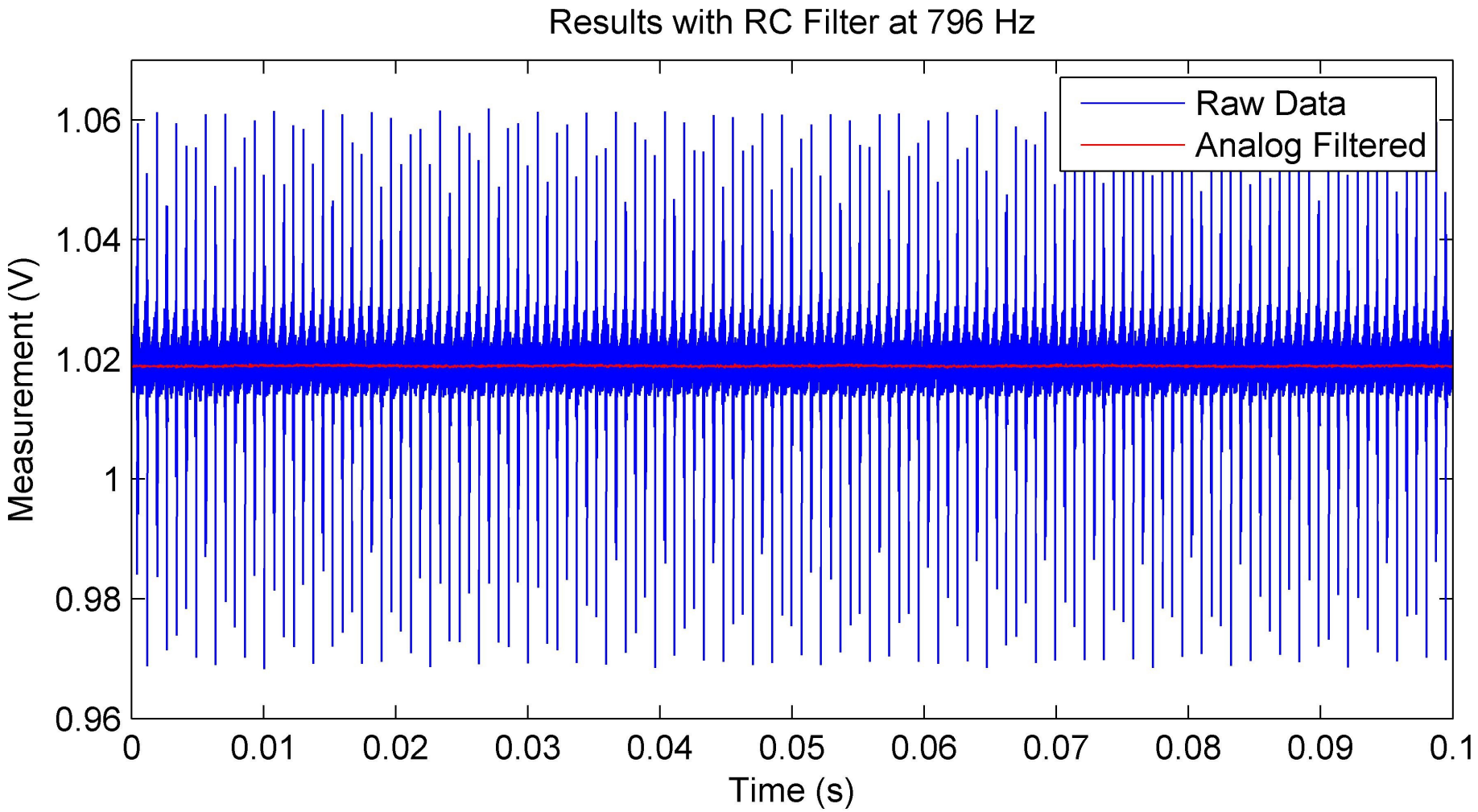
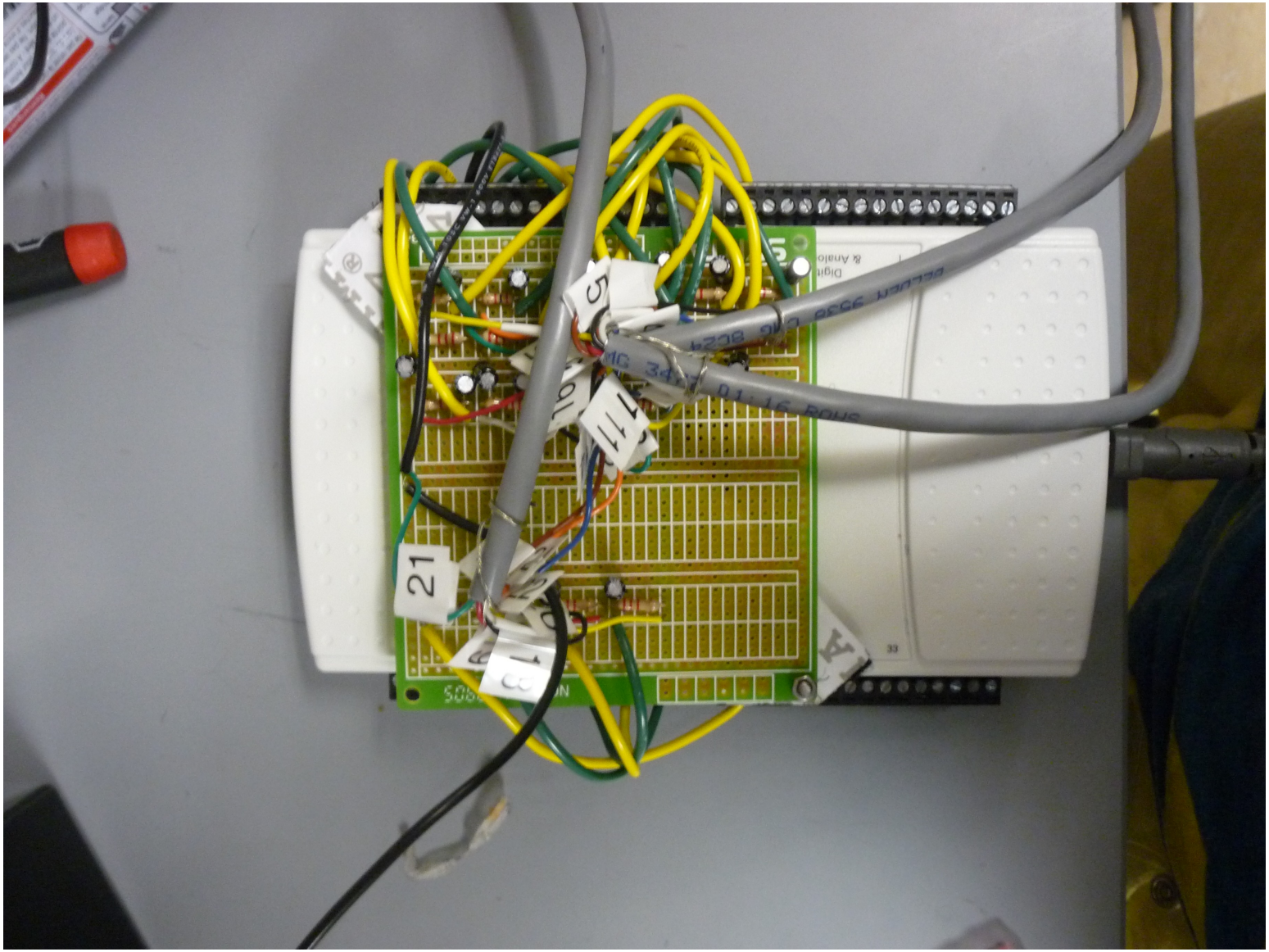
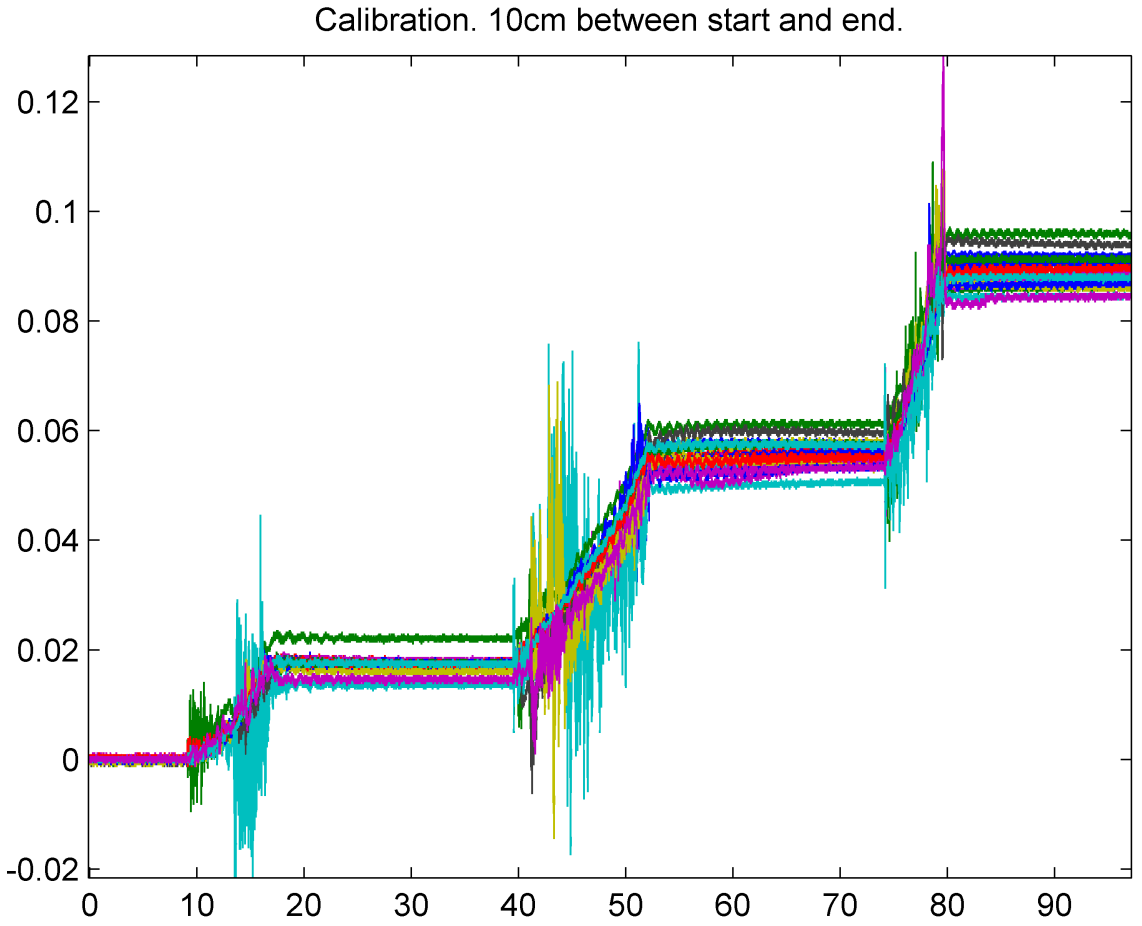


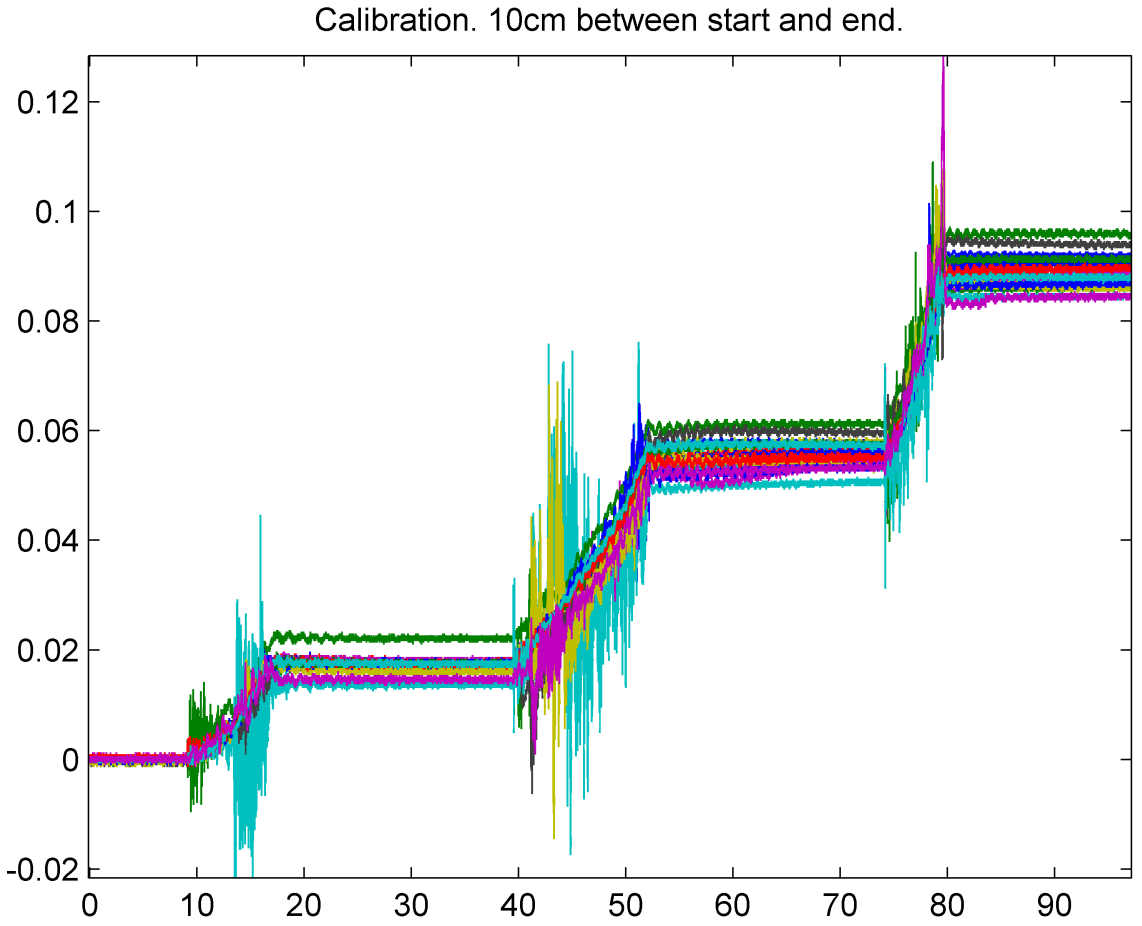
Board populated with filters



Hydrostatic of all sensors with analog filter



Hydrostatic Calibration of all sensors with analog filter



~1V per meter

Kayak Software Update

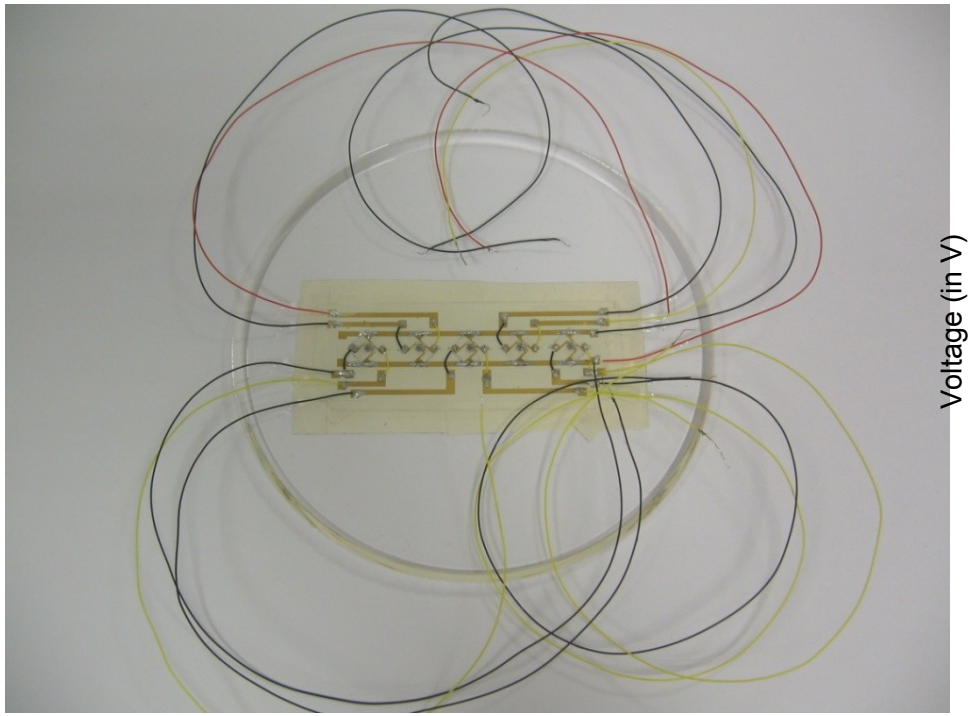
- Windows & Labview installed, with vi
- Remote desktop to windows computer and ssh to linux computer at the same time setup
- Tested logging of GPS, compass, inertial motion unit, and pressure
- To Do:
  - Code to put data into a convenient form

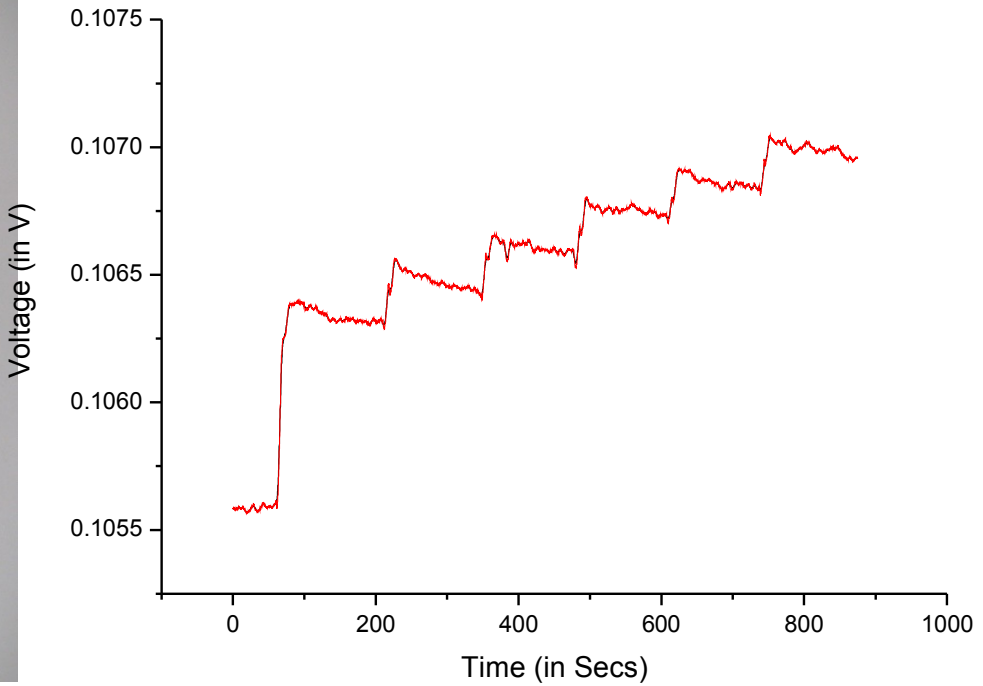
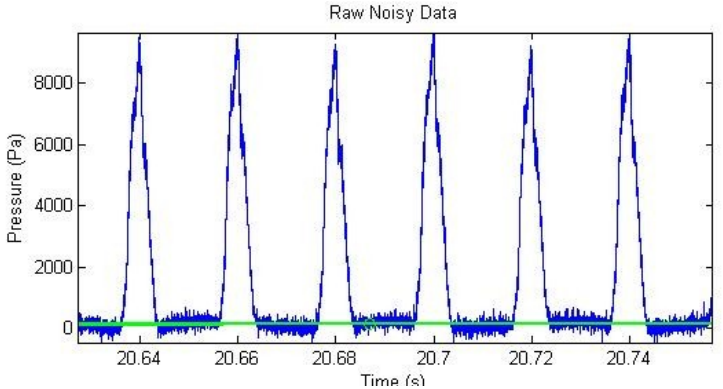
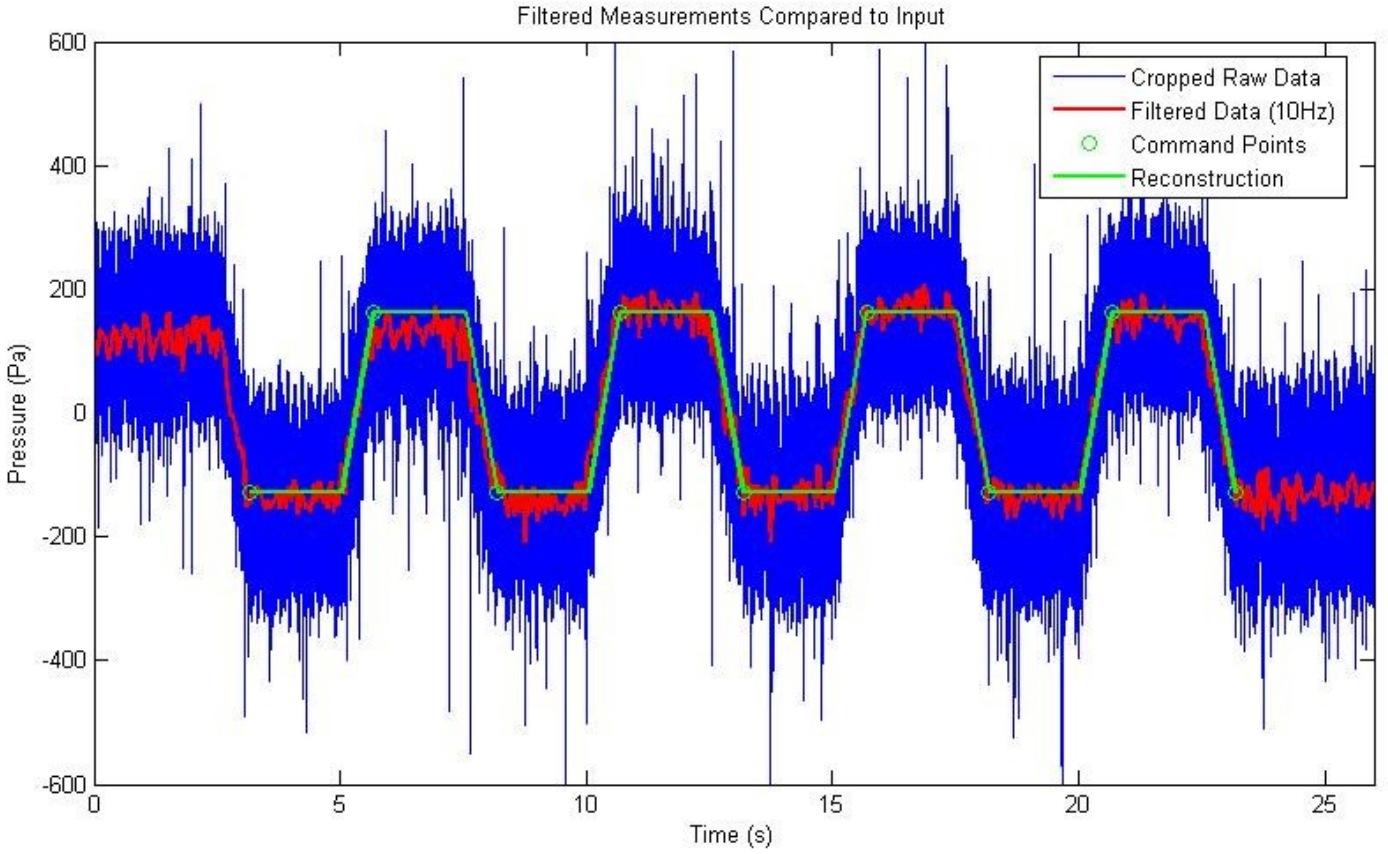
Pool Test

- Tomorrow from 2-5pm
- Will Test:
  - Water-proofing
  - Simultaneous communication and data collection with two computers
  - Measure pressure of typical magnitude stimulus (push kayak around by hand)
  - Roughly verify calibration

Chee Wee's Sensor Array on Kayak

- Array sensor testing on Thursday
- Mount on kayak





Chee Wee's Sensor Processing