



# ARLISS 2011

University of Hawaii  
Windward Community college

# Challenges:

- Flying to the target
- Battling headwinds
- mid-decent deployment

# Solutions to challenges:

- Rapid Decent Phase
- Steering Ring
- Gliding Decent Phase
- Raven 2 flight controller
- Parasail

# Plummeter Design

GPS Flight: ST900 Unit

Raven 2 Flight Controller

Parallax Propeller Proto Board w/ Temp Sensor

Parallax GPS Antenna

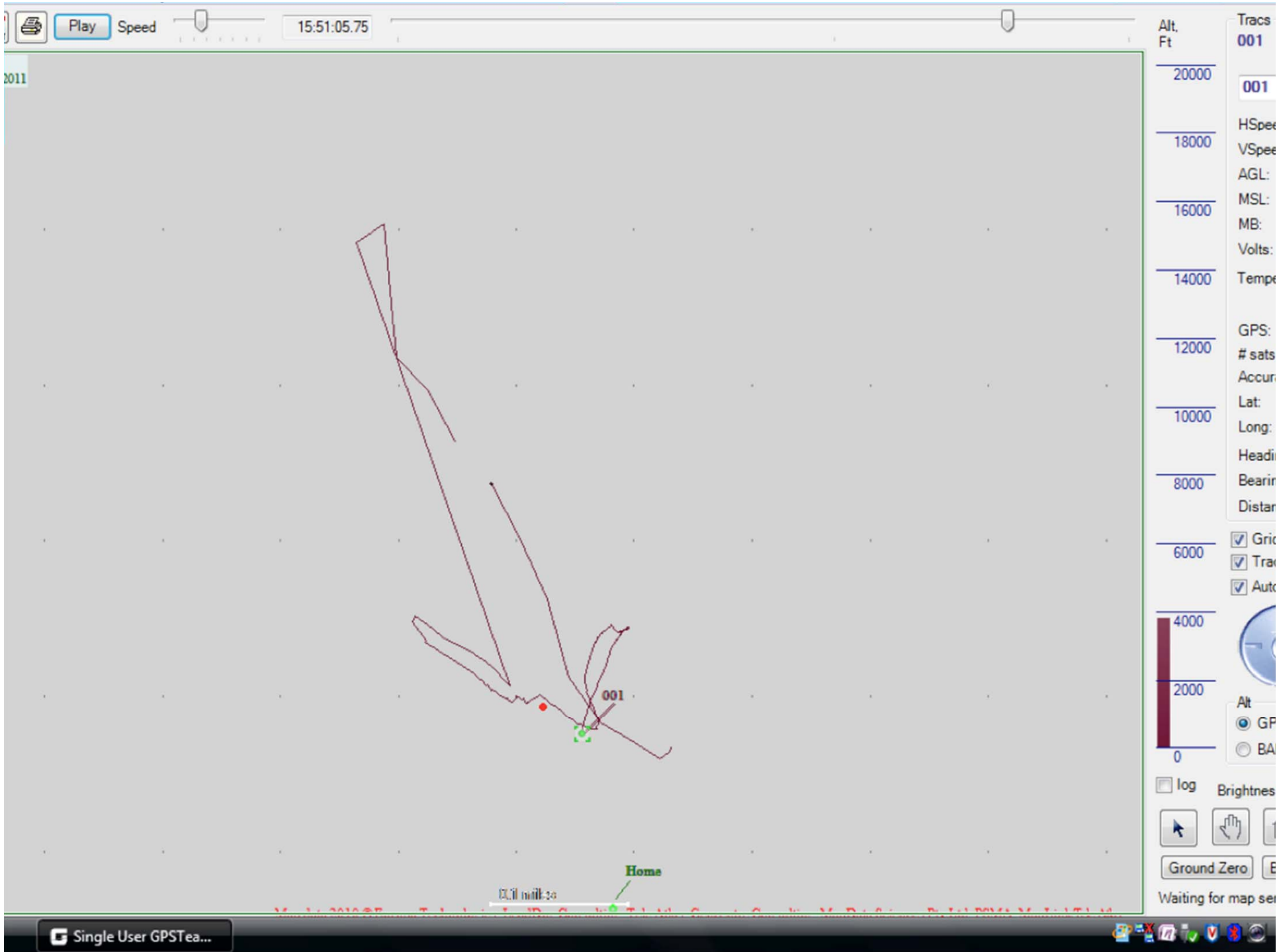
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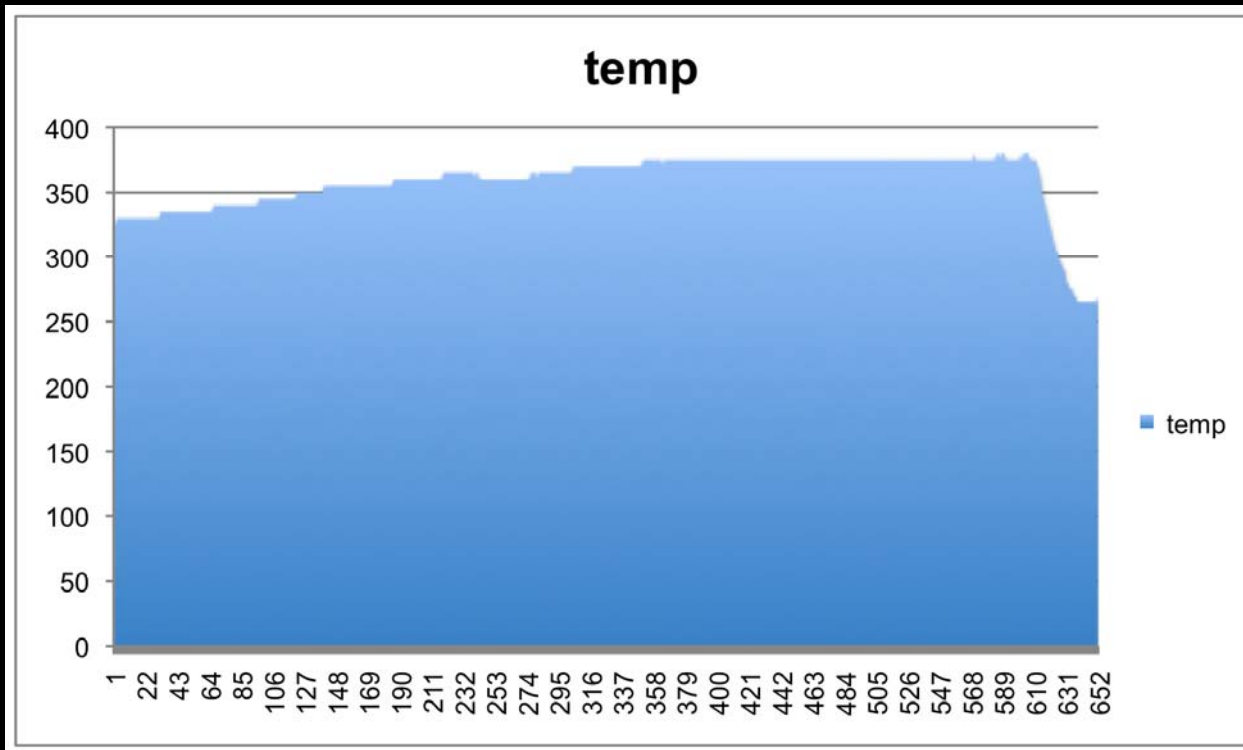


# Results

- 160.96 meters / 525 ft from target







# Special Thanks!

- Hawaii space grant consortium
- Dr. Jacob Hudson
- Jim and Becky Green
- Aeropac