Keio University Team Wolve'Z

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Syusuke IZUTA
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2013/9/13 @Community center

Our CanSat

- **Competition**
  - Comeback
  - Mission
  - AXELSPACE Cup

- **Rover**
  - 2 wheels rover
  - Descent by a parachute
  - 1040g weight

- **Base Station**
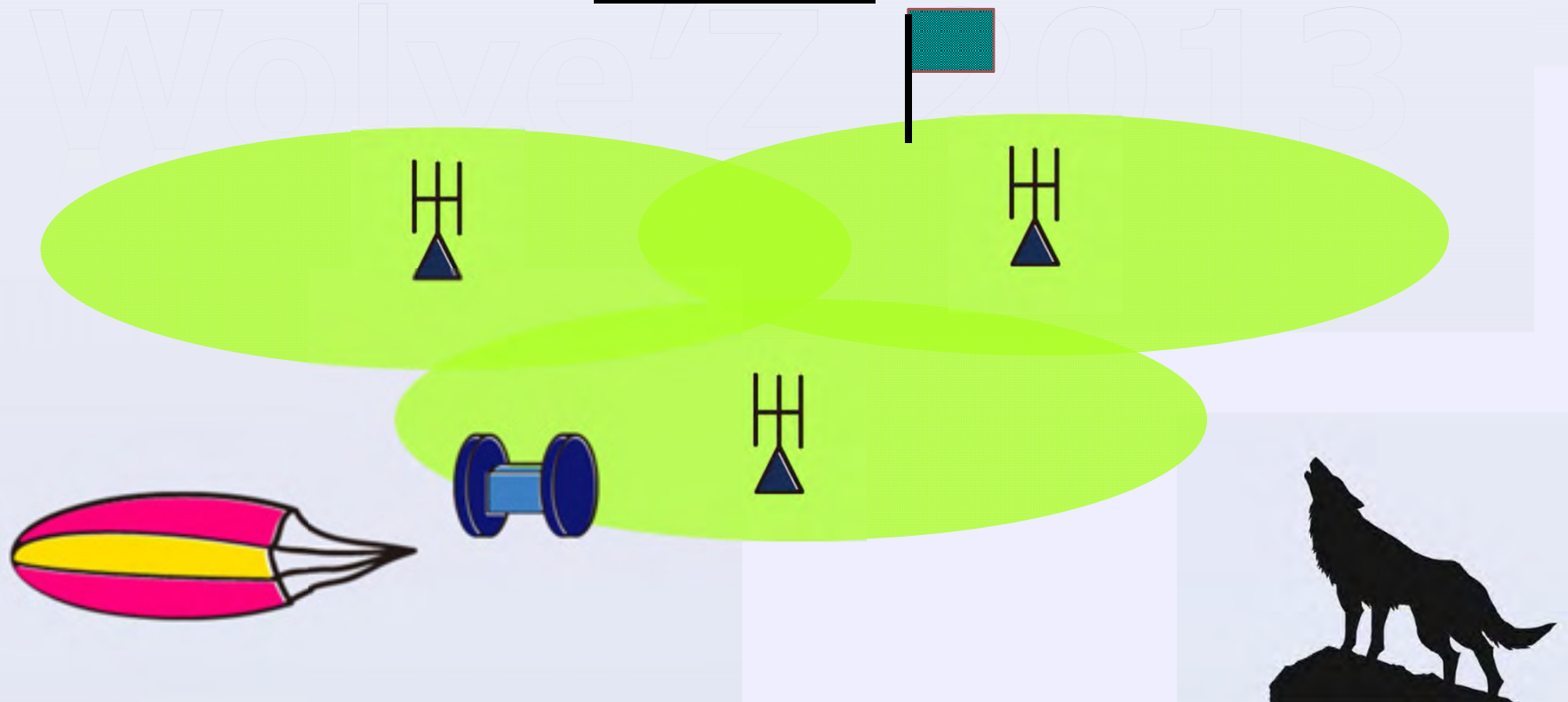 - Send self angle data

Mission

■ Self Position Estimating without GPS

➢ Distance from <u>Encoder</u>

➢ Angle from <u>Digital compass</u>

➢ Wave information from <u>Base station</u>

Mission

■ Self Position Estimating without GPS

➤ Distance from <u>Encoder</u>

➤ Angle from <u>Digital compass</u>
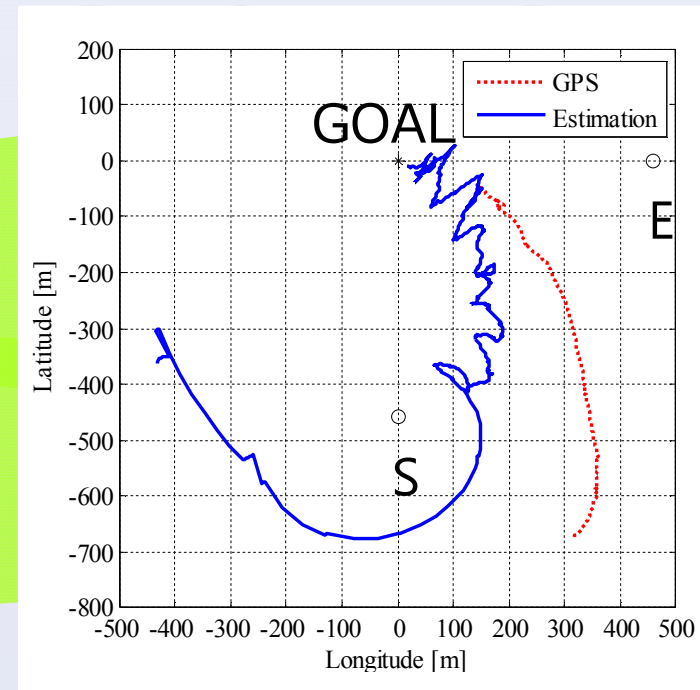
➤ Wave information from <u>Base station</u>

Mission couldn't completed

We can do a lot of Experiment

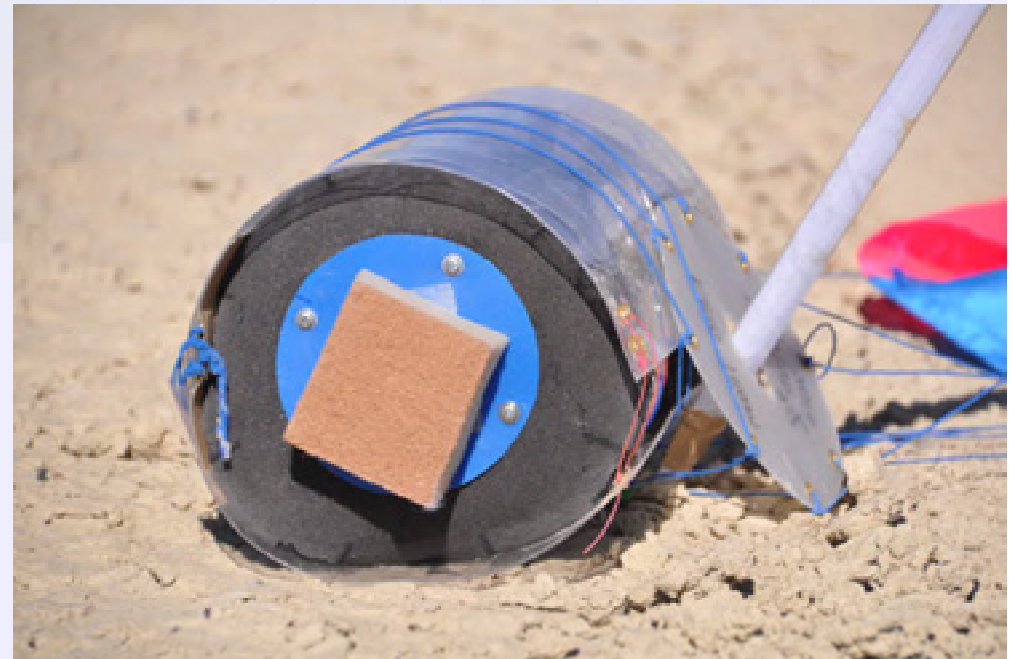　AXELSPACE CUP
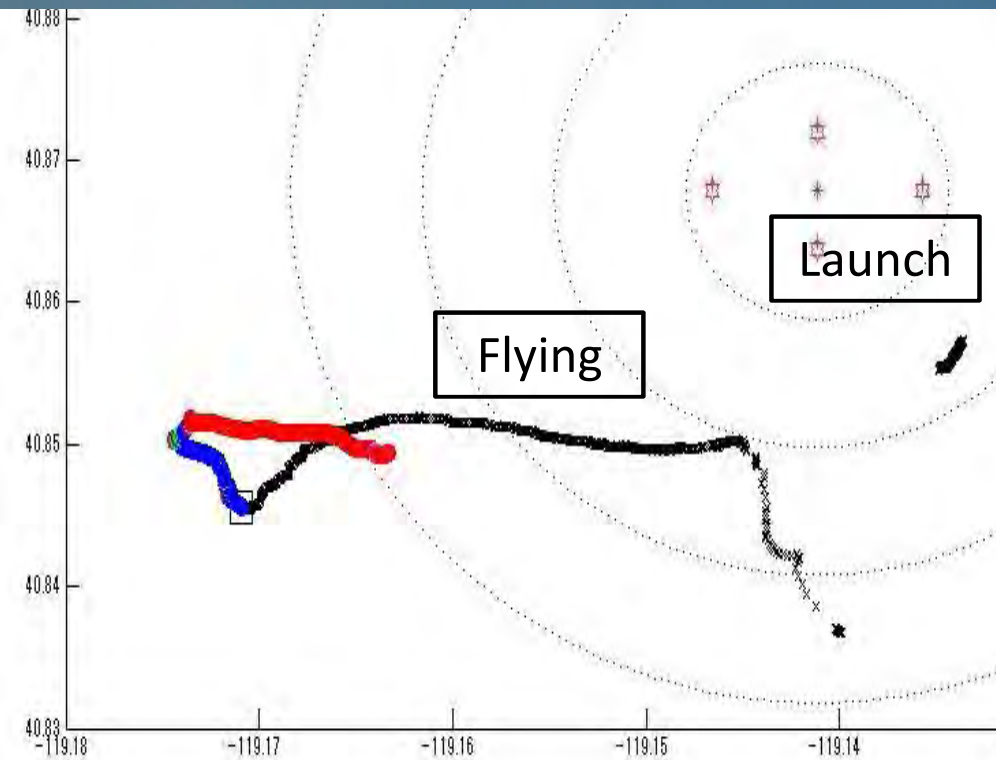
　ARLISS Report meeting

　@Japan, October

1ˢᵗ Launch

- Flying : success!

- Landing : success!

- Separating : failed
  - ➤ Get twisted in Strings
  - ➤ Sheet couldn't open

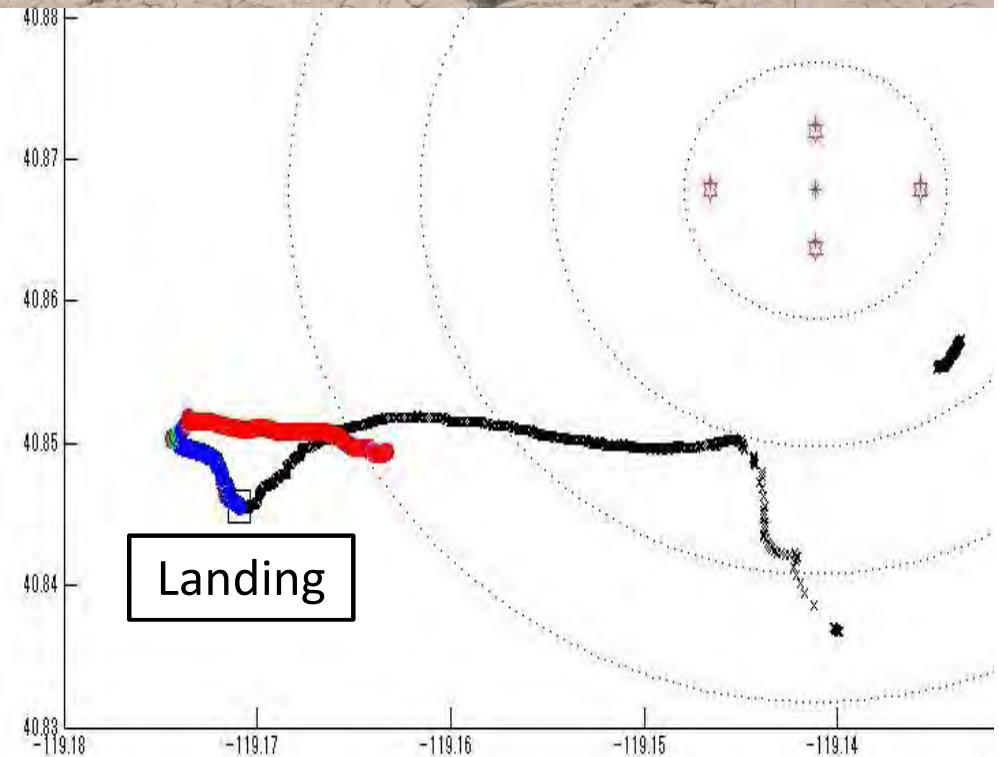- Running : failed

- Goal : failed

2ⁿᵈ Launch

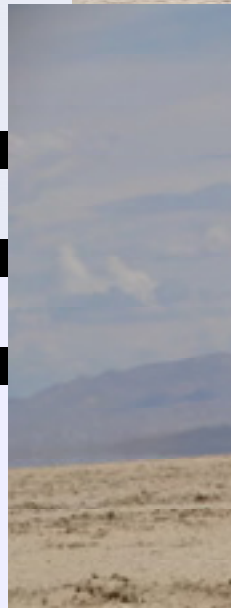- Flying : success!

- Landing

- Separating

- Running

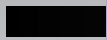- Goal

2nd Launch

- Flying : success!

- Landing : success!

  ➢ Problem with GPS altitude data

  ➢ Wait for 1 min (plan)

  ➢ Wait for 2 hours!

- Separating

- Running

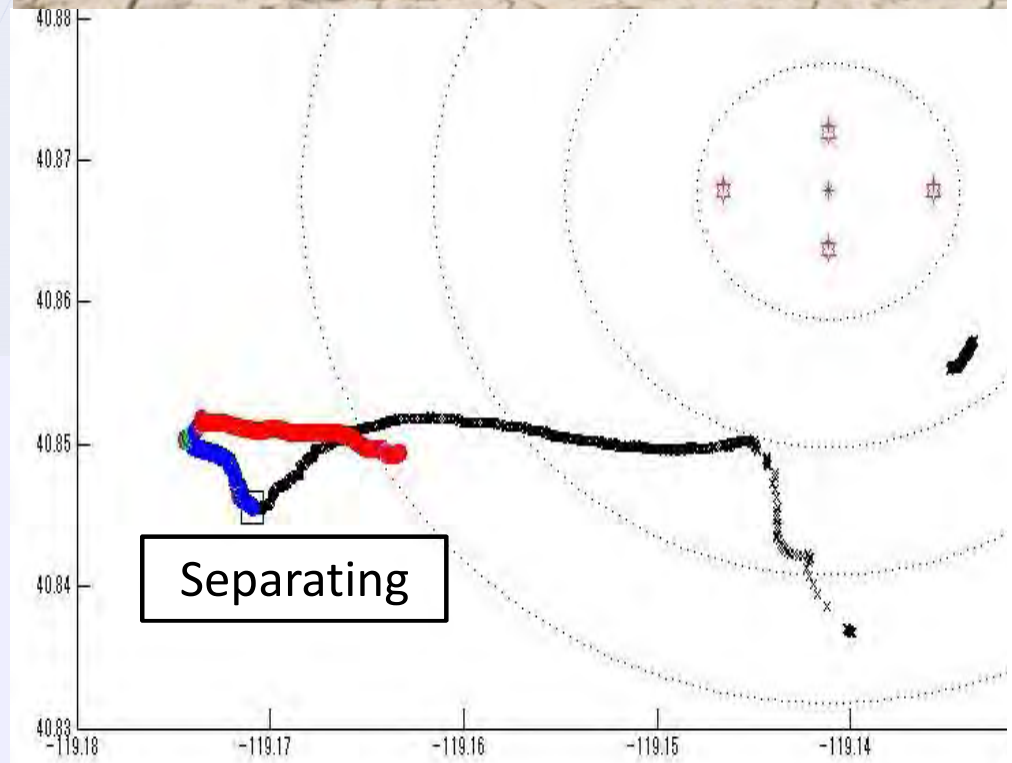- Goal

Landing

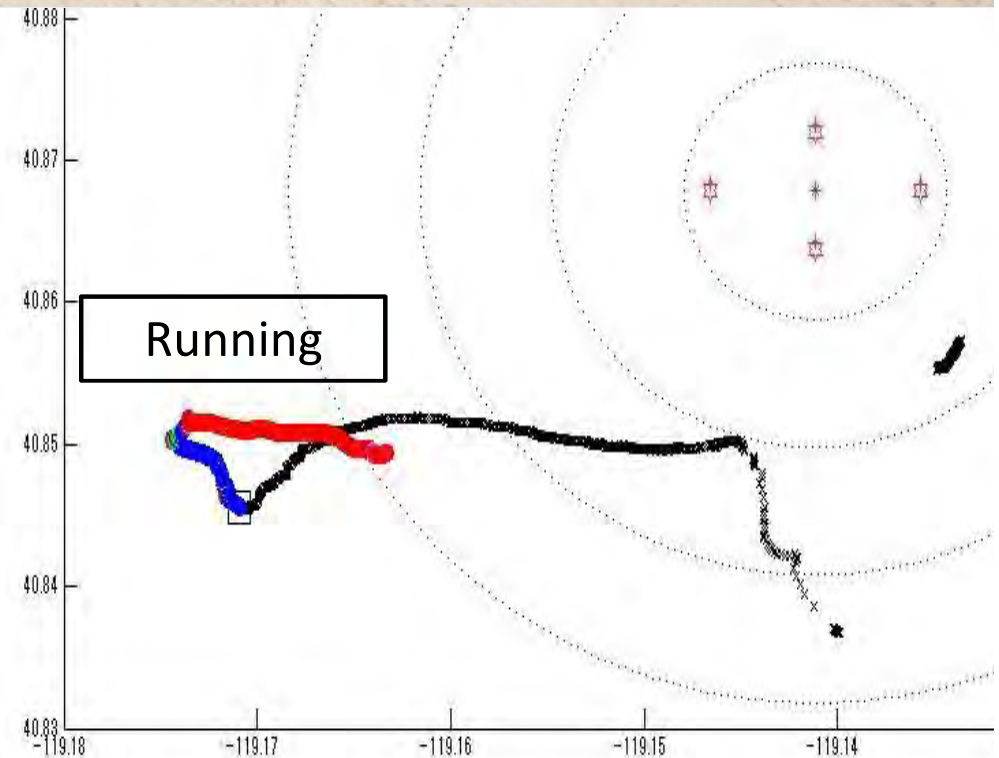# 2ⁿᵈ Launch

2nd Launch

- Flying : success!

- Landing : success!

- Separating : success!

- Running

- Goal

Separating

2nd Launch

- Flying : success!

- Landing : success!

- Separating : success!

- Running :

  ➤ Start!
  ➤ Controlled by GPS
  ➤ Problem with wheel
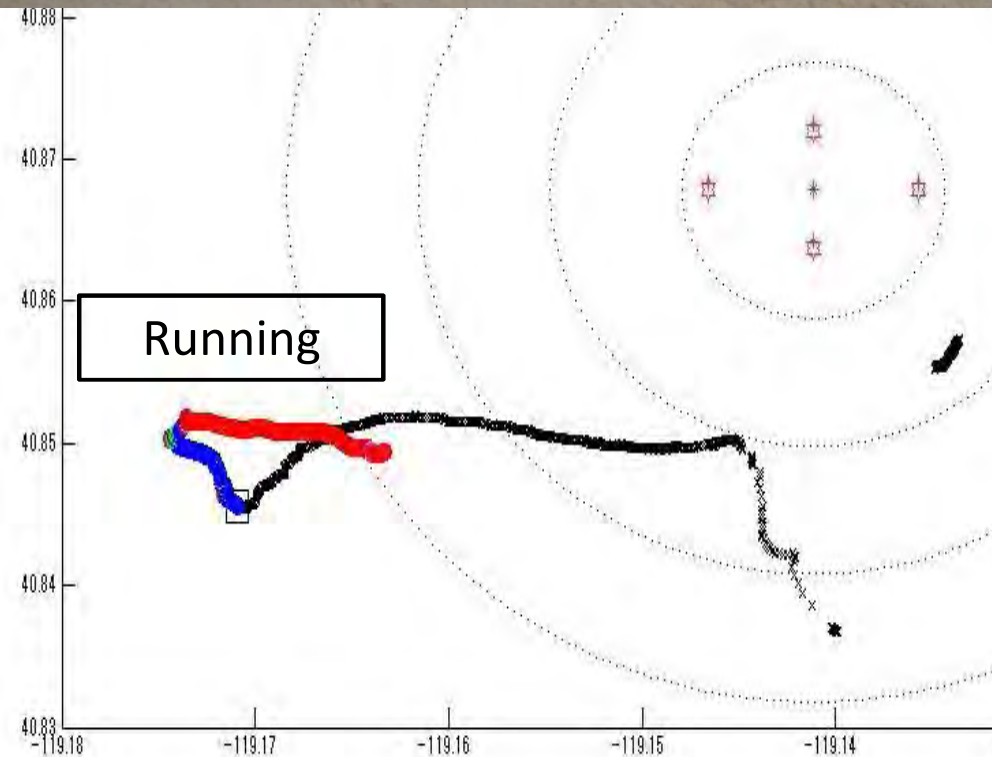   • Difficult to turn
  ➤ Adjust Duty automatically

- Goal :

Running

2ⁿᵈ Launch

- Flying : success!

- Landing : success!

- Separating : success!

- Running : halfway success!

  ➢ Start!
  ➢ Controlled by GPS
  ➢ Problem with wheel
    • Difficult to turn
  ➢ Adjust Duty automatically
  ➢ Stop competition

- Goal : failed

Running

Special Thanks !!

1st: Evan

2nd: Jim

And all other AeroPac Members!