Results of ARLISS 2012

- ASSP / Akita Univ.
- ARLISS 2012 9-14 SEP, NEVADA

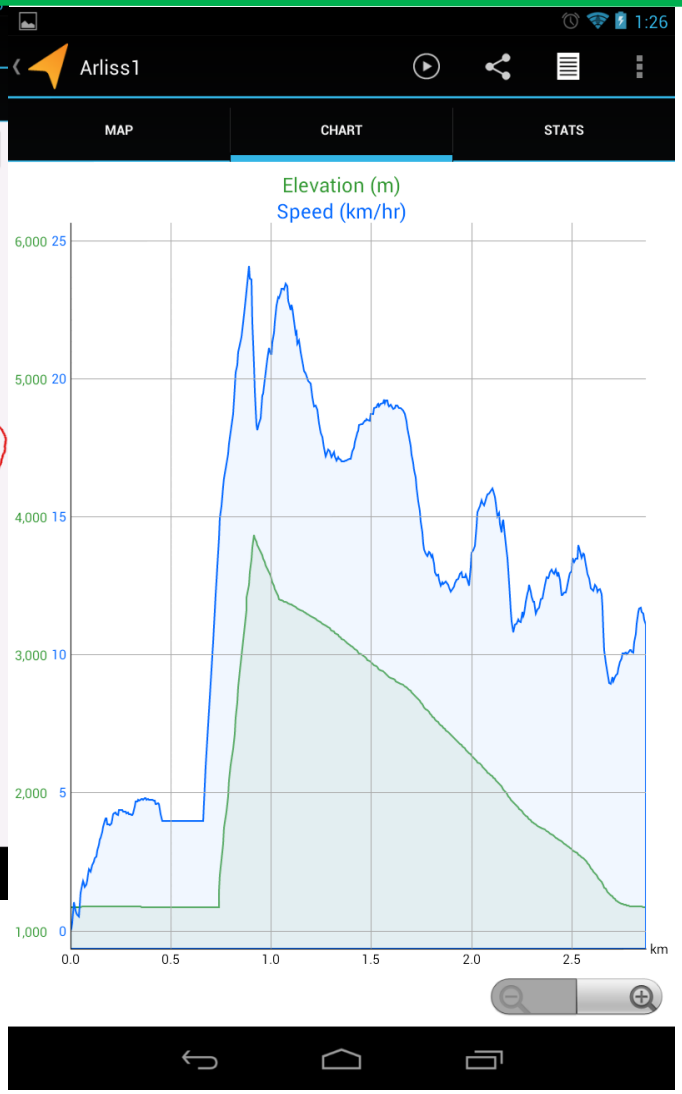
Introduction of our CanSat

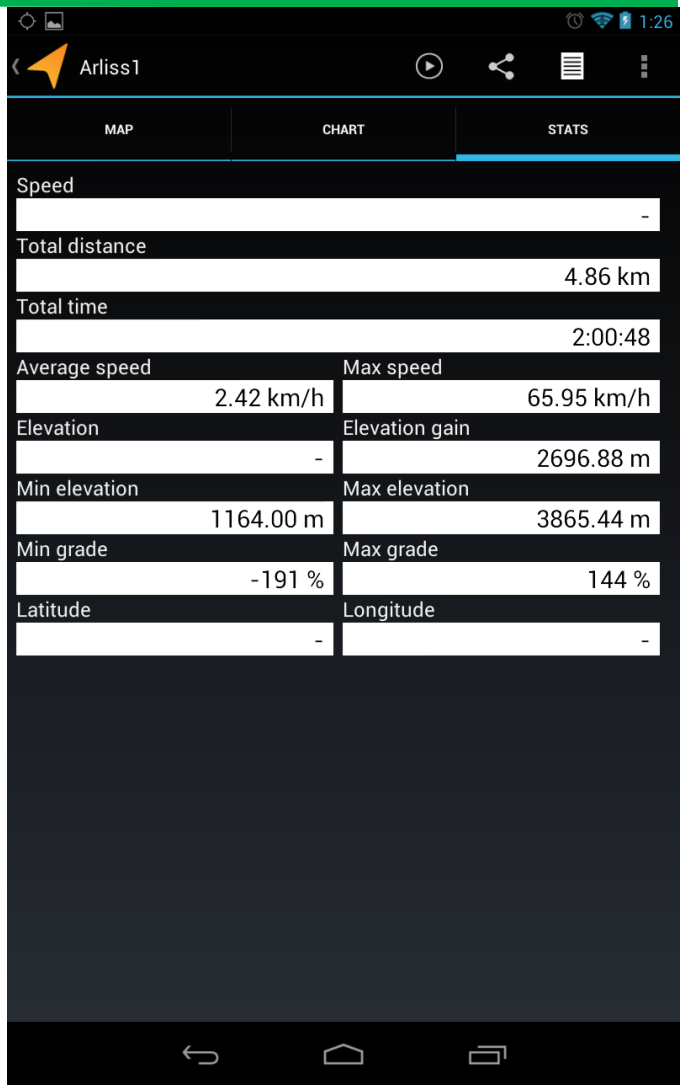
- The purpose of our CanSat is to get the flight data by Android smartphone
- This CanSat equip a parachute. Fall speed is assumed to be 4.5m/s
- Applications installed is based on the open-source project from Google

Structure & Power

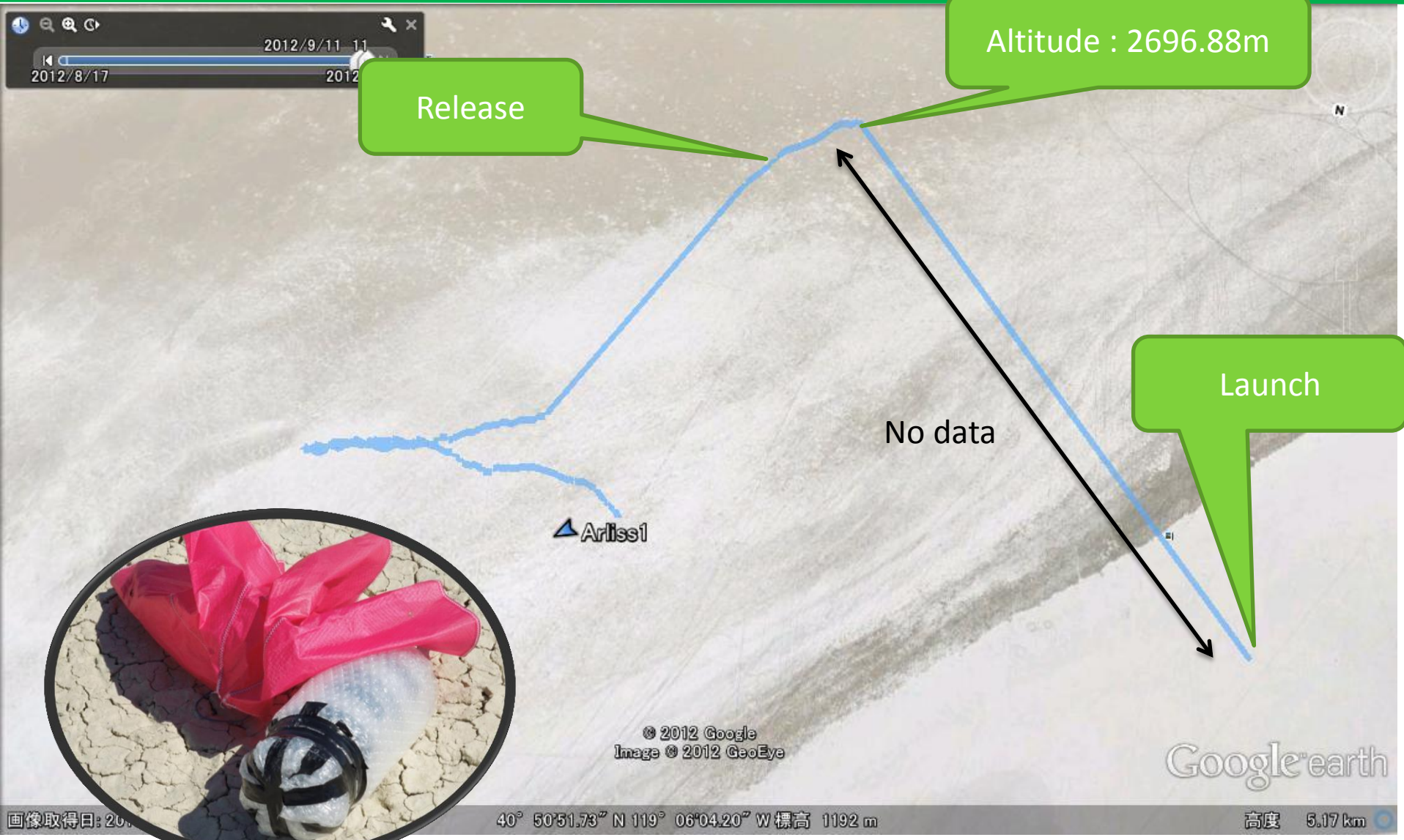
- Size : 120mm x 235mm
- Weight : 267g (1st flight)
  370g(2nd flight)
- Body : GFRP (Glass Fiber Reinforced Plastics)
- Battery : Li-ion (3.7V, 1500mAh, 5.6Wh)

Result of 1st flight

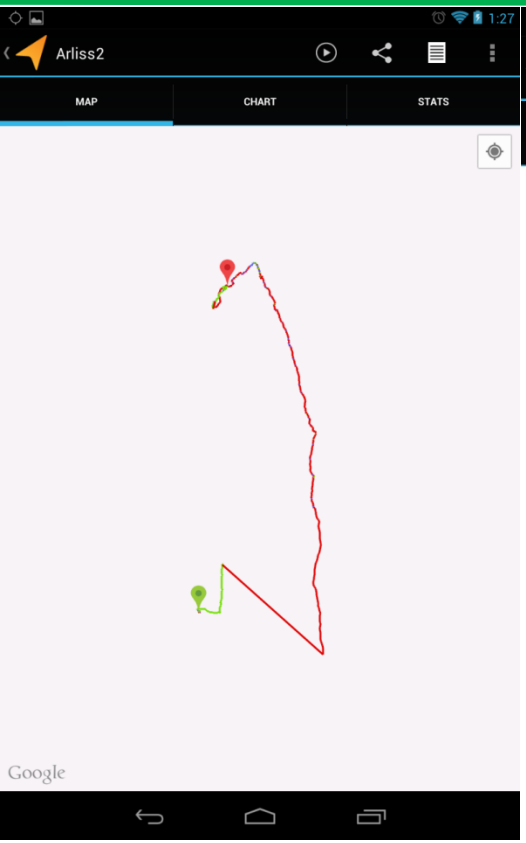


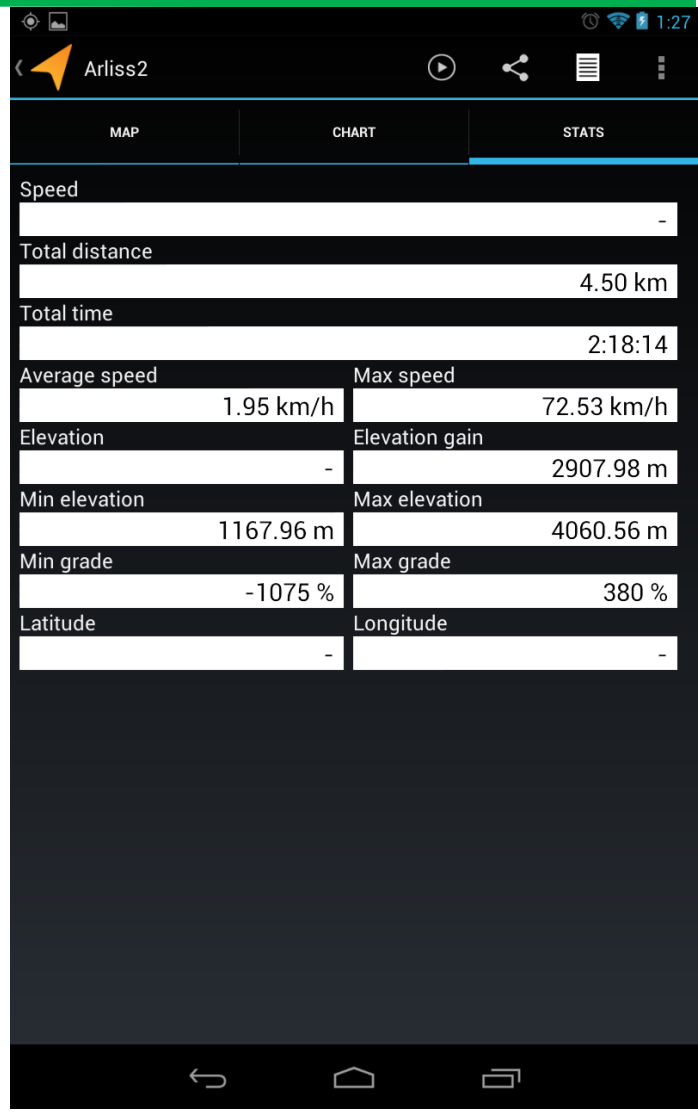


Result of 1st flight

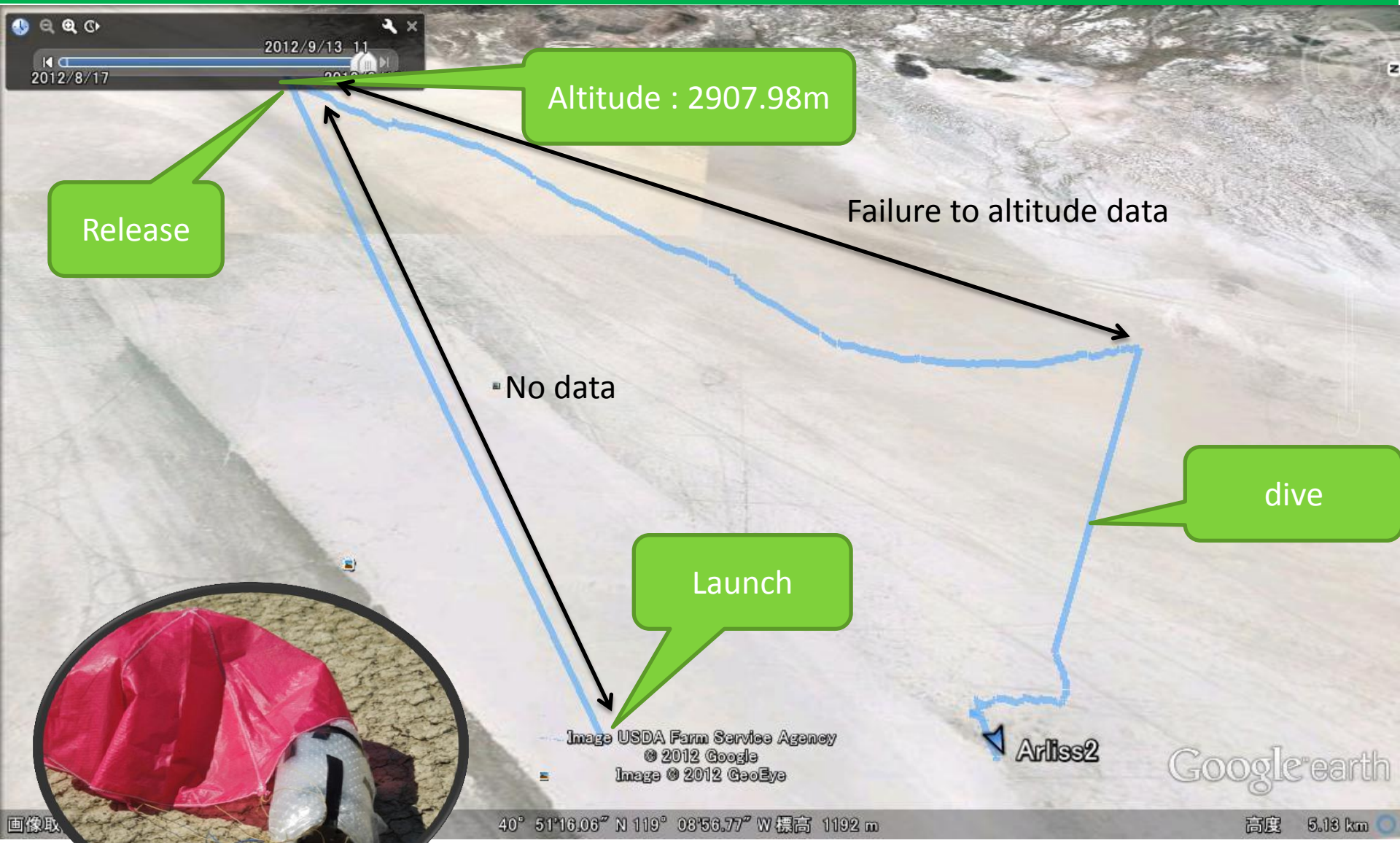


Result of 2nd flight





Result of 2nd flight



Result of 2nd flight (Fix failure to altitude data)

Summary

- Acceleration and gyro data is being analyzed
- our mission achievement is 90% because it can be carried out to analyze the data on the Android smartphone
- For rocket launch speed, lack of acquisition rate of the sensor, which is mounted on the smartphone is an issue.

Thank you for launching

Androidify.com