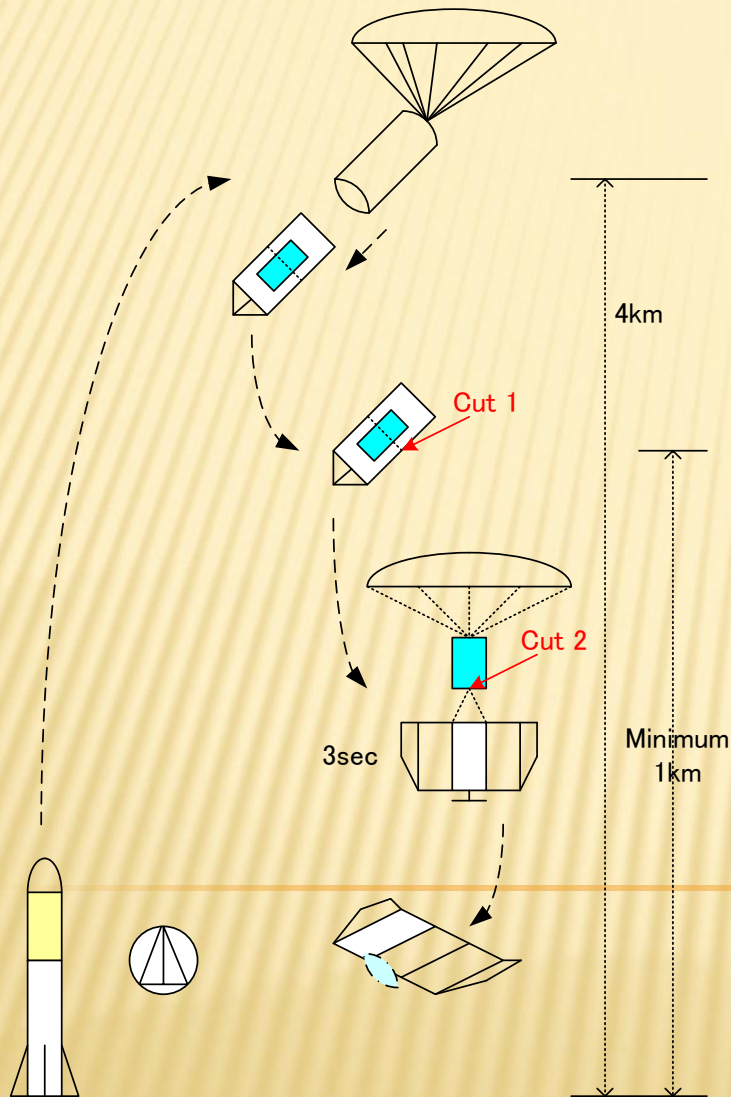




CanSat Come Back Competition

ARLISS2008

Concept of operation



Step 1. Rocket flight and launch

Step 2. CanSat separation

Step 3. High speed, mass-driven descent

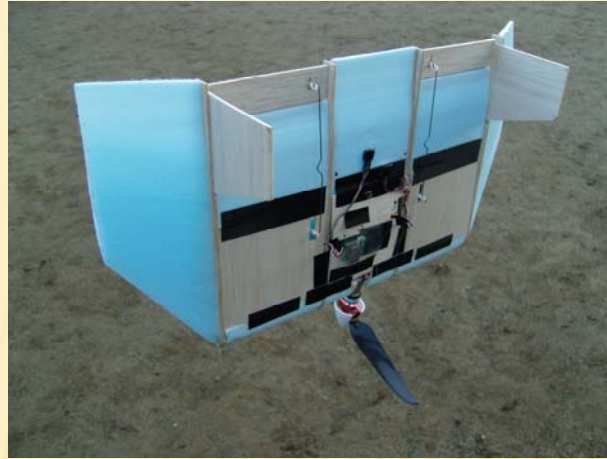
Step 4. Parachute and wing deployment (1st stage deployment)

Step 5. Parachute assisted descent

Step 6. Parachute and mass separation (2nd stage deployment)

Step 7. Active flight

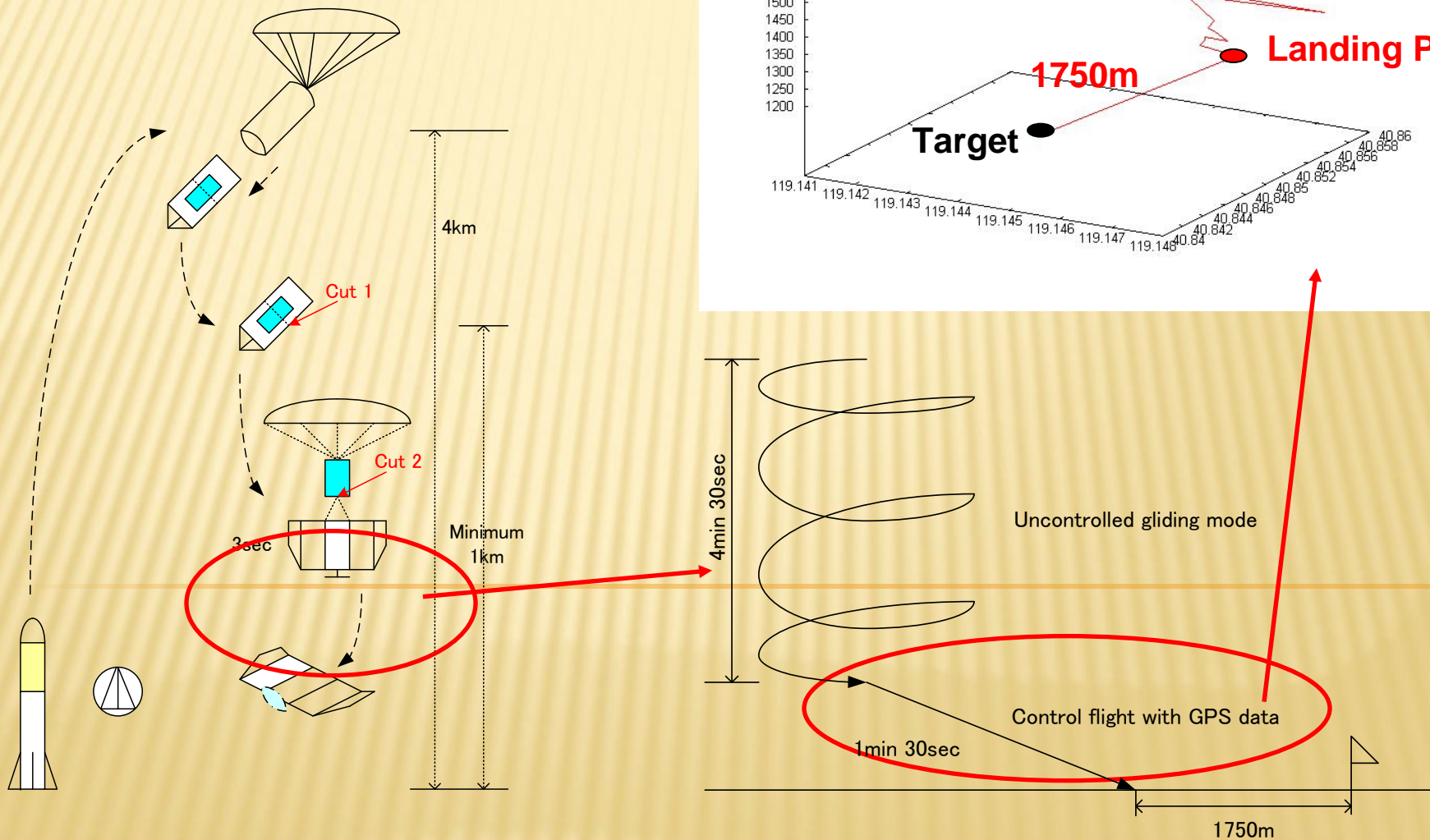
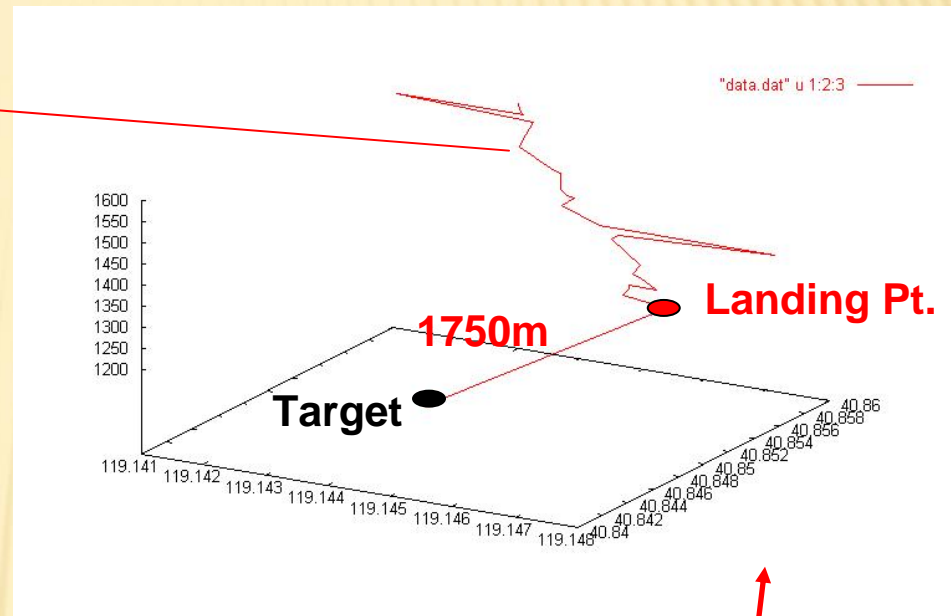
TENRAI ENHANCED



- ✘ Five sections unfolding wing
- ✘ Guidance and control system
 - + Gyro sensors (roll)
 - + Two differential servos controlling elevons
 - + GPS for guidance
- ✘ Single, centrally mounted, propeller
- ✘ TOTAL MASS : 183g(craft) + 365g(seperation system)

First Flight with Erick's rocket

- 1) Navigation angle was too big
- 2) GPS data was not clear



Second Flight with Jonathan's rocket

Coming out

