The image features a stylized, low-poly mountain range silhouette in shades of brown and tan, positioned at the bottom. The background is a smooth gradient from a deep blue at the top to a lighter cyan at the bottom, where the mountains are located. The text "TENRAI # 2010" is centered at the bottom of the image, overlaid on the mountain range.

TENRAI # 2010

TENRAI

The University of Tokyo,
TENRAI# Team

Jun'ichi Takisawa Satoshi Ikari Ryuhei Hamaguchi

Takumasa Ochi Takayuki Hosonuma Qiao Kun

Kim Jiyeon

Missions

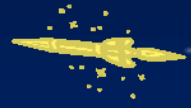


- Primary Mission
 - Fly Back More Accurately
- Secondary Mission
 - Track and Chase the Aircraft

TENRAI # -Flying Wing-



Result



- Primary Mission: Fly Back
 - Unsuccessful
- Secondary Mission: Track and Chase
 - Unsuccessful

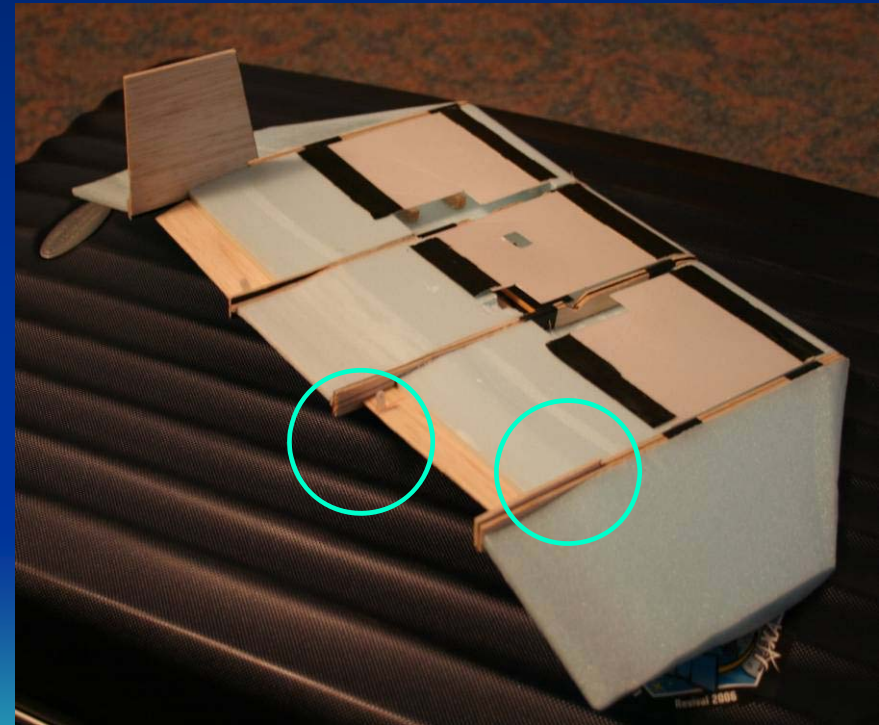
Result -1st Flight-

- Launch
 - Success thanks to SuperARLISS Made by Mr. Bob
- Deployment
 - Success
- GNC
 - Fail
- Result
 - 2.62 km from the Flag



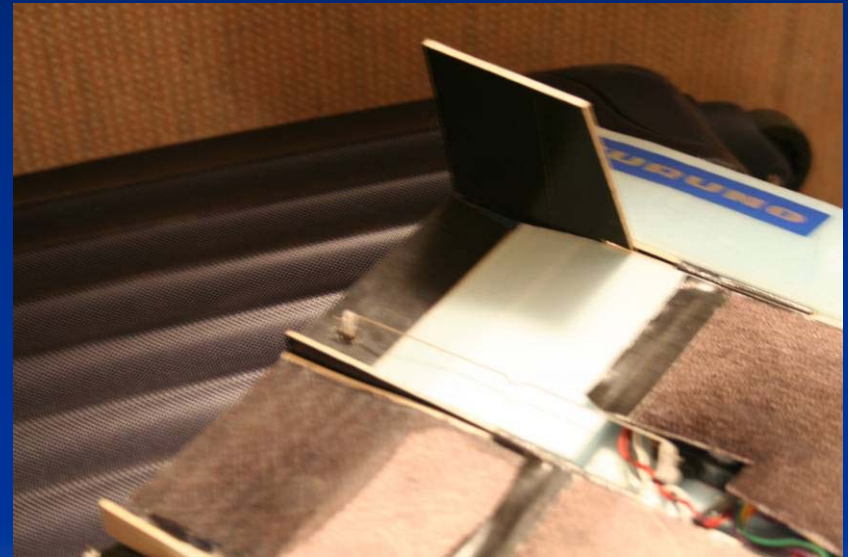
Result -1st Flight-

- Elevon & Tail Wing Damaged
 - Attitude Control Failure
 - GPS Satellite Unlocked
- Small Radio Range
 - Downlink Failure



Improvement from 1st to 2nd Flight

- Structure
 - Tail Wing & Elevons Made of Sandwich Structure
- Ground Station
 - Stand by at Expected Deployment Point

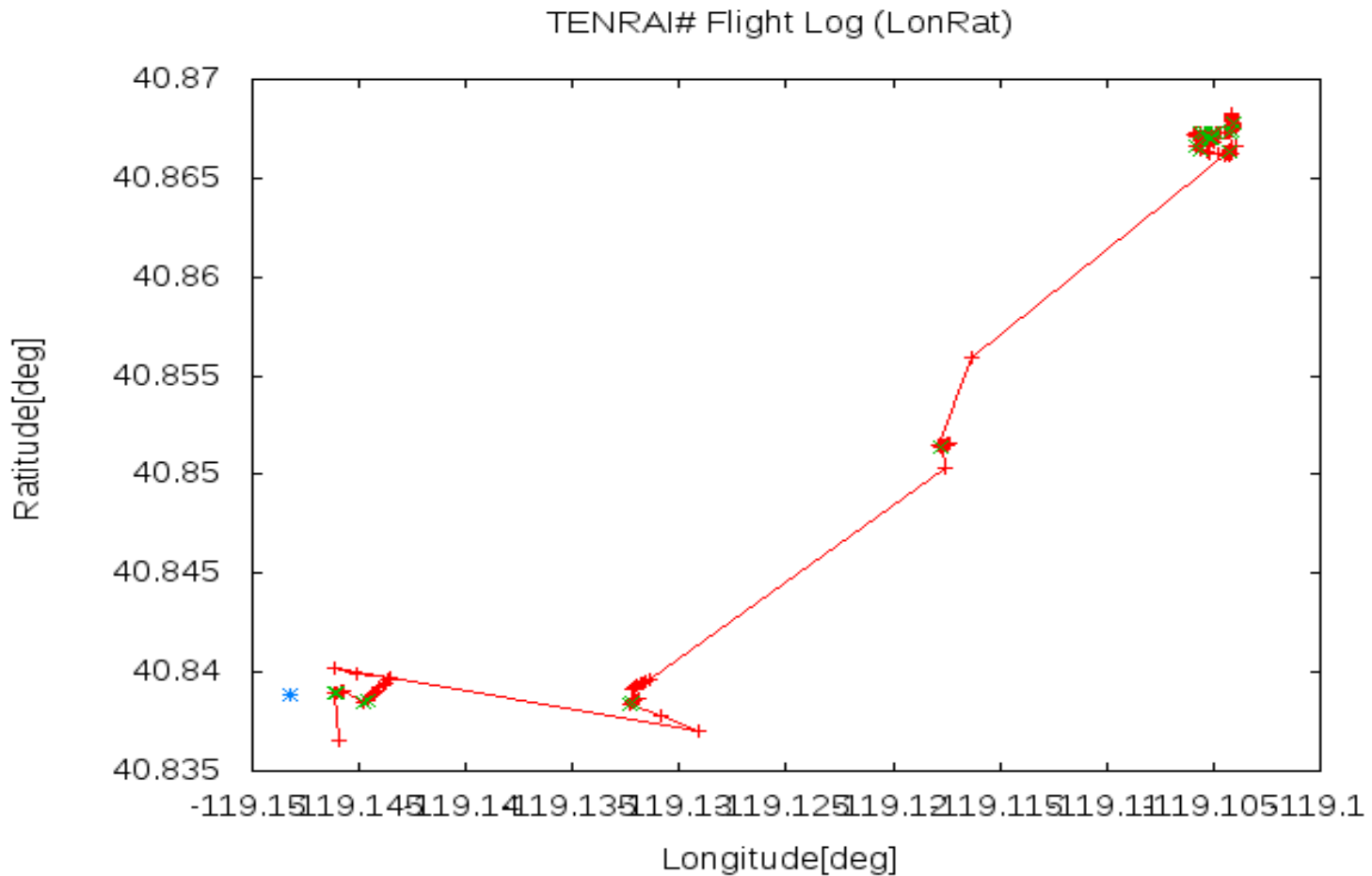
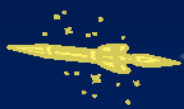


Result -2nd Flight-

- Launch
 - Success thanks to SuperARLISS Made by Mr. Bob
- Deployment
 - Success
- GNC
 - Partly Success
- Result
 - 4.67 km from the Flag



Flight Path



Future Plan



- AOCS
 - Equip Accelerometers to Backup GPS
- Ground Station
 - Enlarge Transmitter & Receiver Range

Thank you very much.