



ARLISS 2013

TBY

Space Systems Laboratory

Tokyo Metropolitan University

K. Nakajima / M. Masuda

K. Nishi / T. Ohira

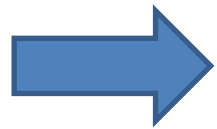
D. Tsutsumi / M. Watanabe

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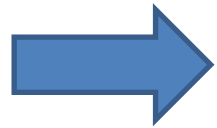
What is our mission ?

Satellites or robots have to move independently
when it's on an unknown planet

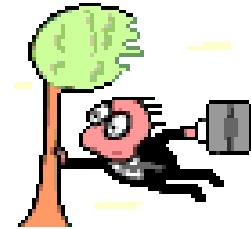


Come back competition

The **strong** wind was a big **problem**
for fly back type CanSat



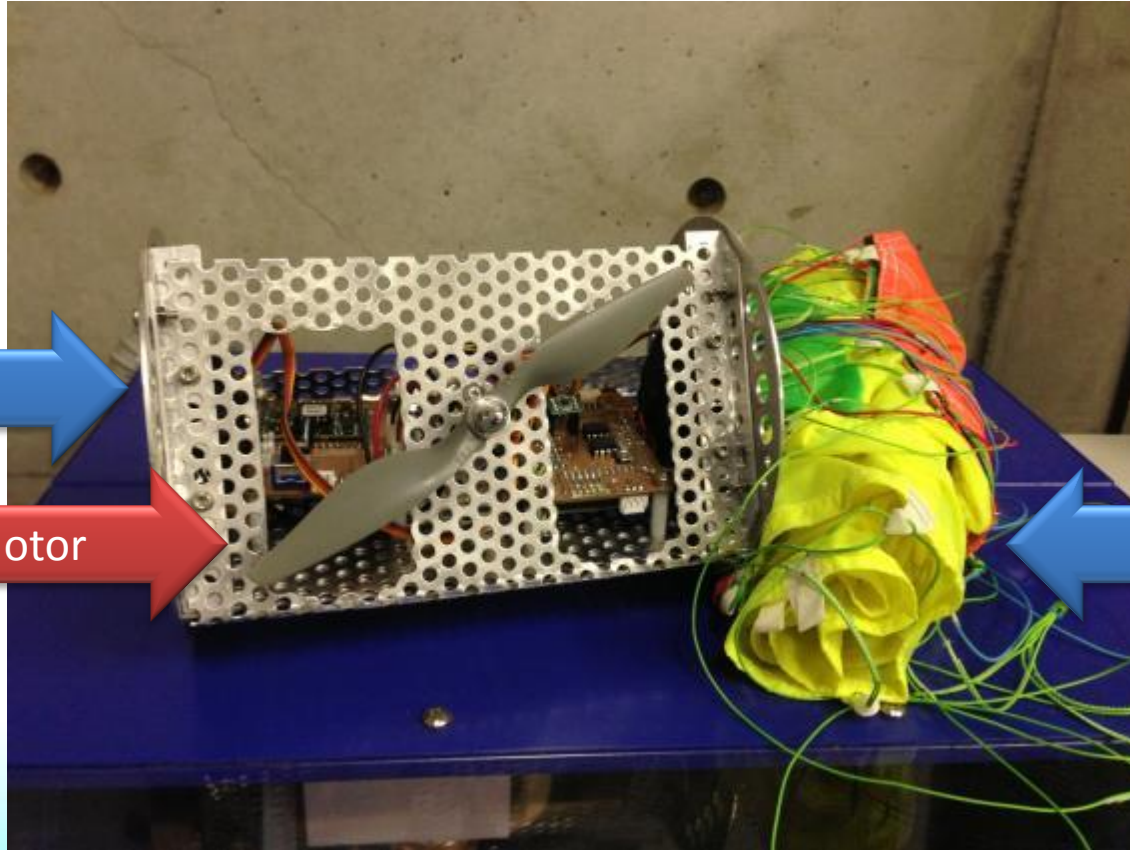
Mounting a propeller



While Taking a Movie

COOL

TBY's CanSat

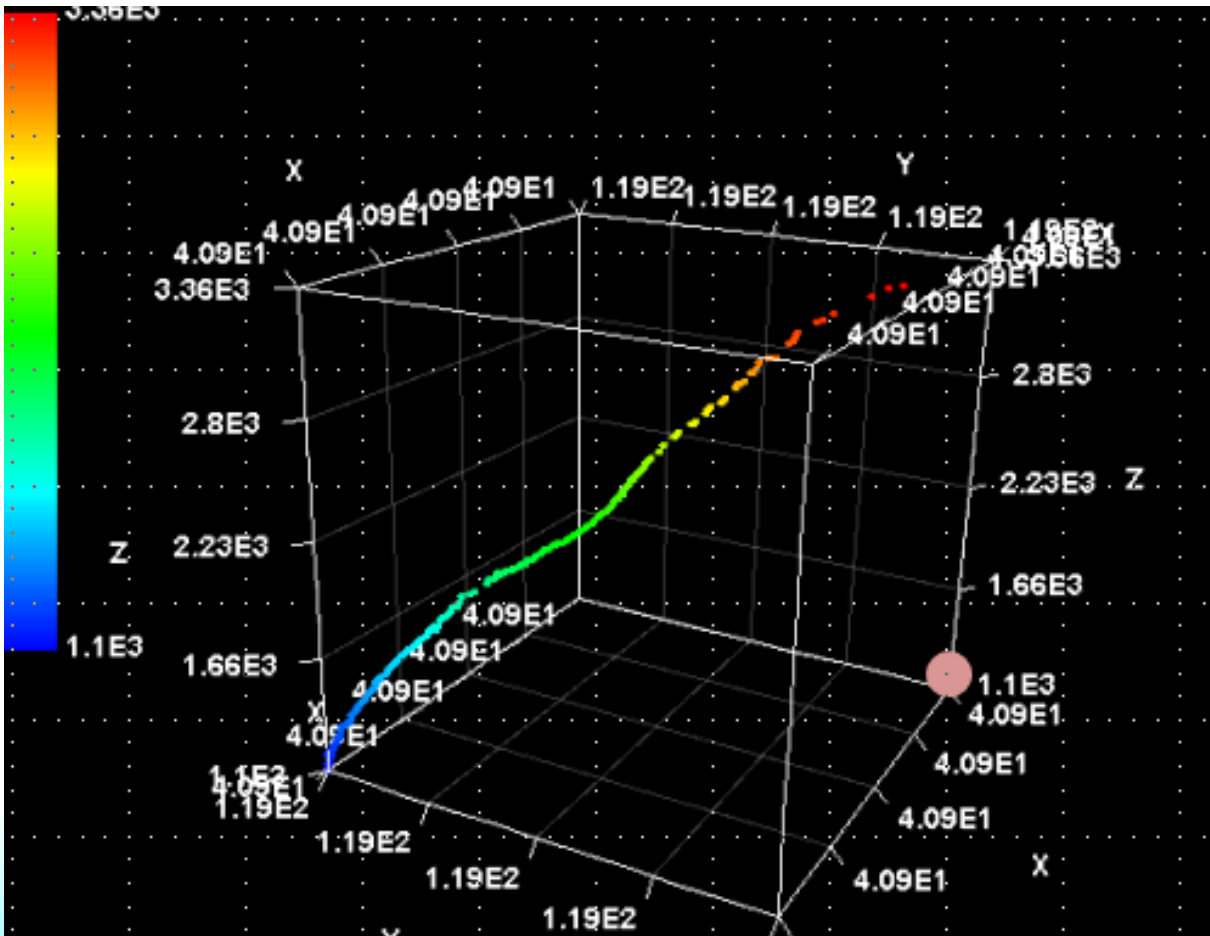


Servo motor

Propeller & Motor

Parafoil

Result of ARLISS



1st Launch

- distance to the target
2412 m
- could take a control logs
yes

Mark : NONE

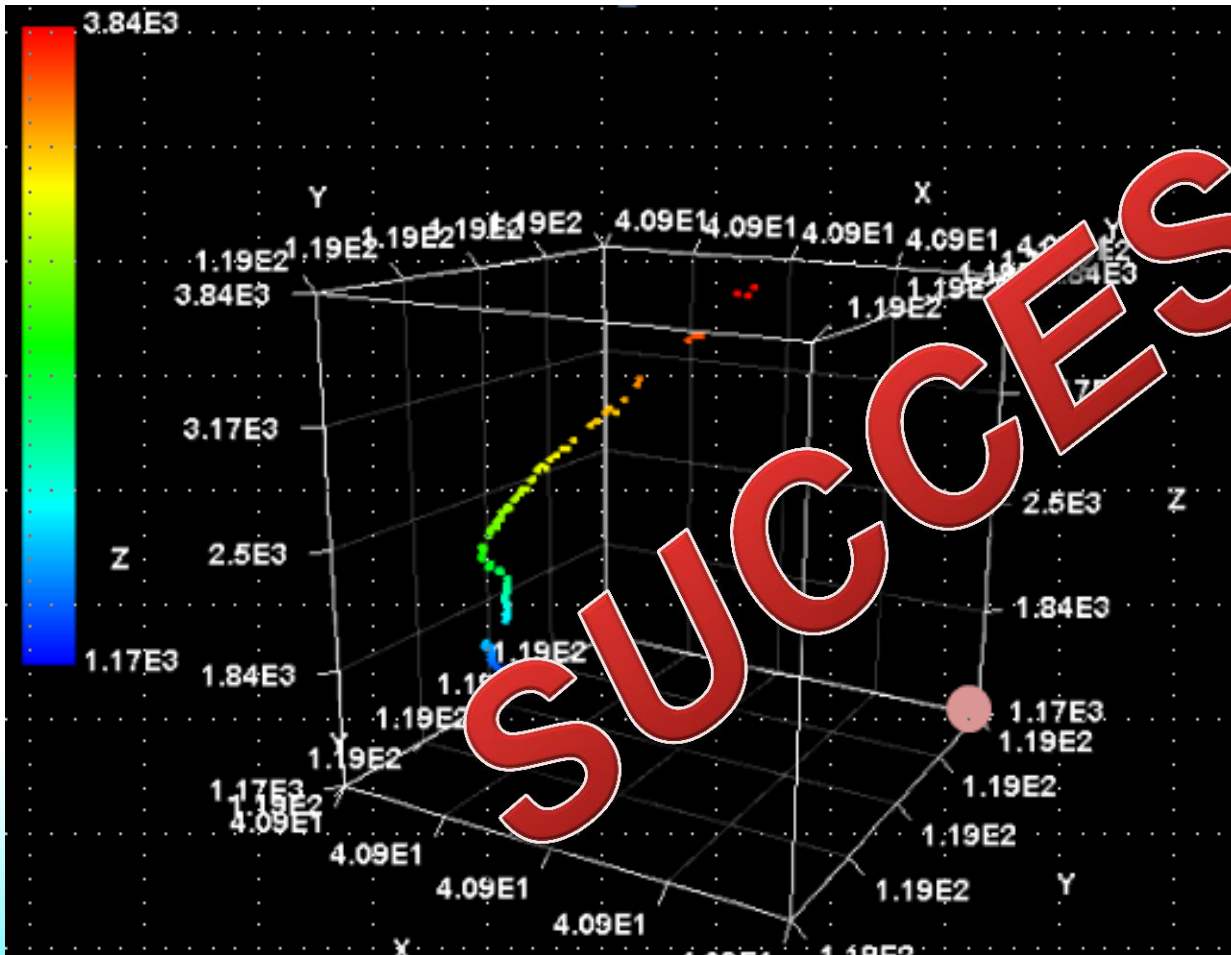
● : target

Result of ARLISS

1st Launch



Result of ARLISS



2nd Launch

- distance to the target
1786 m
- could take a control logs
yes

Mark : 1786m

● : target

Conclusion

Success criteria

▷ Definition of **Full Success**

- Done** ▪ CanSat lands on **less than 3km** from the target
- Done** ▪ Camera **takes a movie**

▷ Definition of **Minimum Success**

- Done** ▪ The parafoil is **deployed**
- Done** ▪ Propeller is **driven**
- Done** ▪ CanSat records **location data and control logs**

TBY

We really thank Aeropac for launching our CanSat!!

