

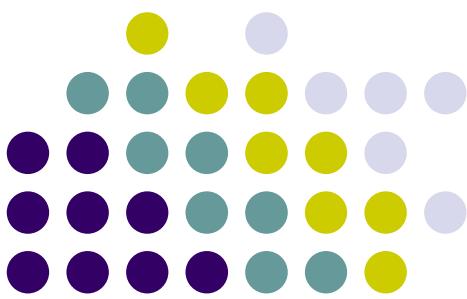
CanSat' 雲雀 (HIBARI)

Open Class : Fly back

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Small Spacecraft System
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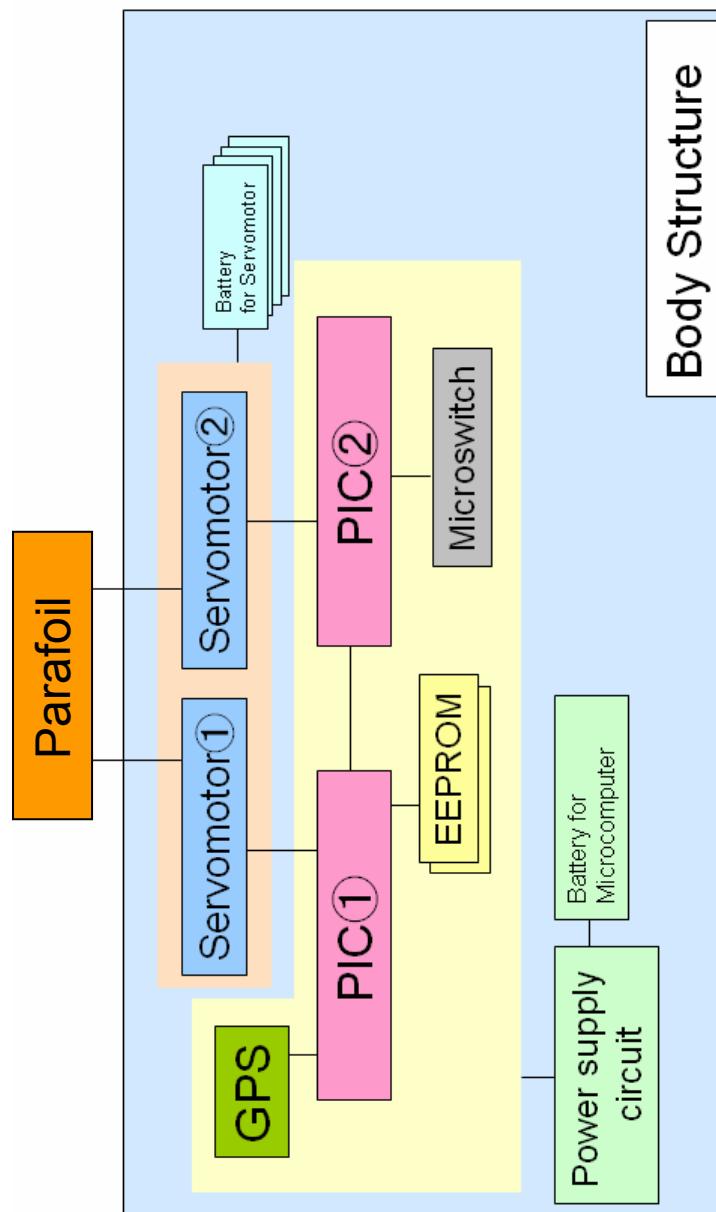
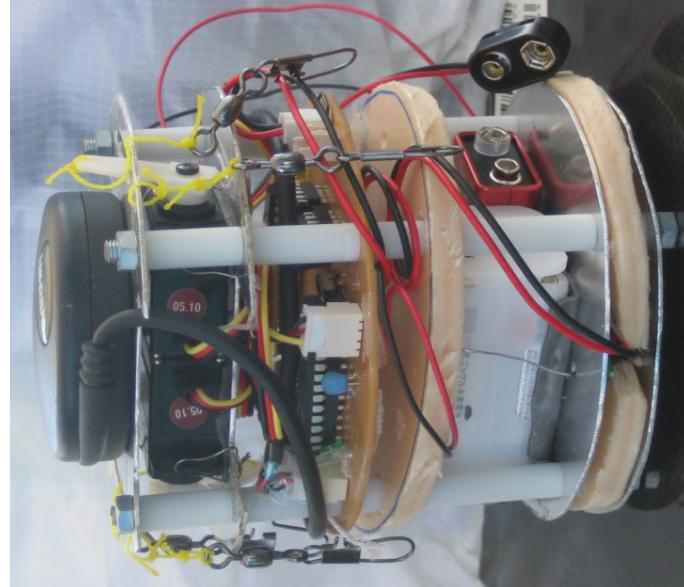


Mission

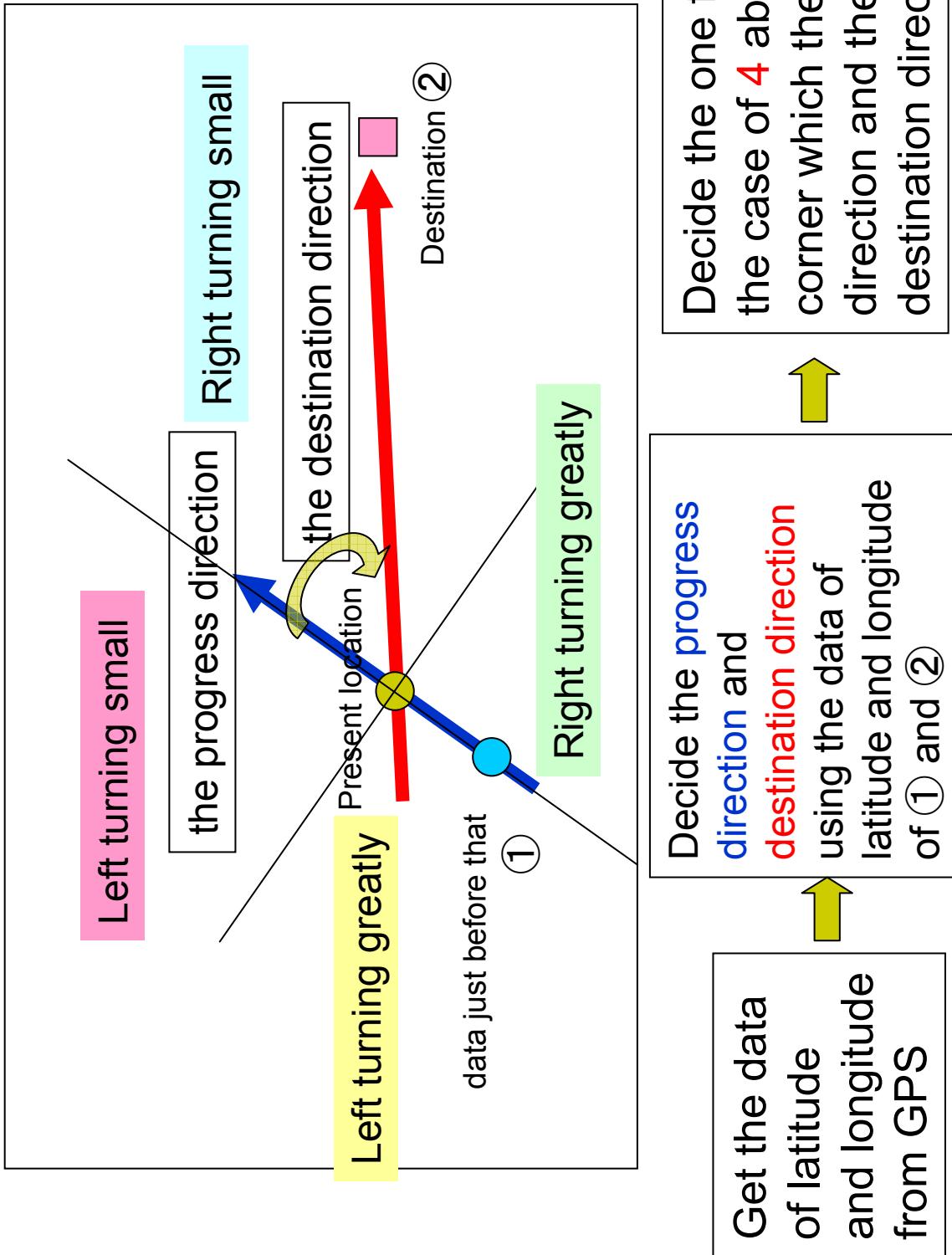
- To develop the Cansat which can control and comeback surely
- To land within 1km from the destination



The System of Cansat “HIBARI”



Control Algorithm

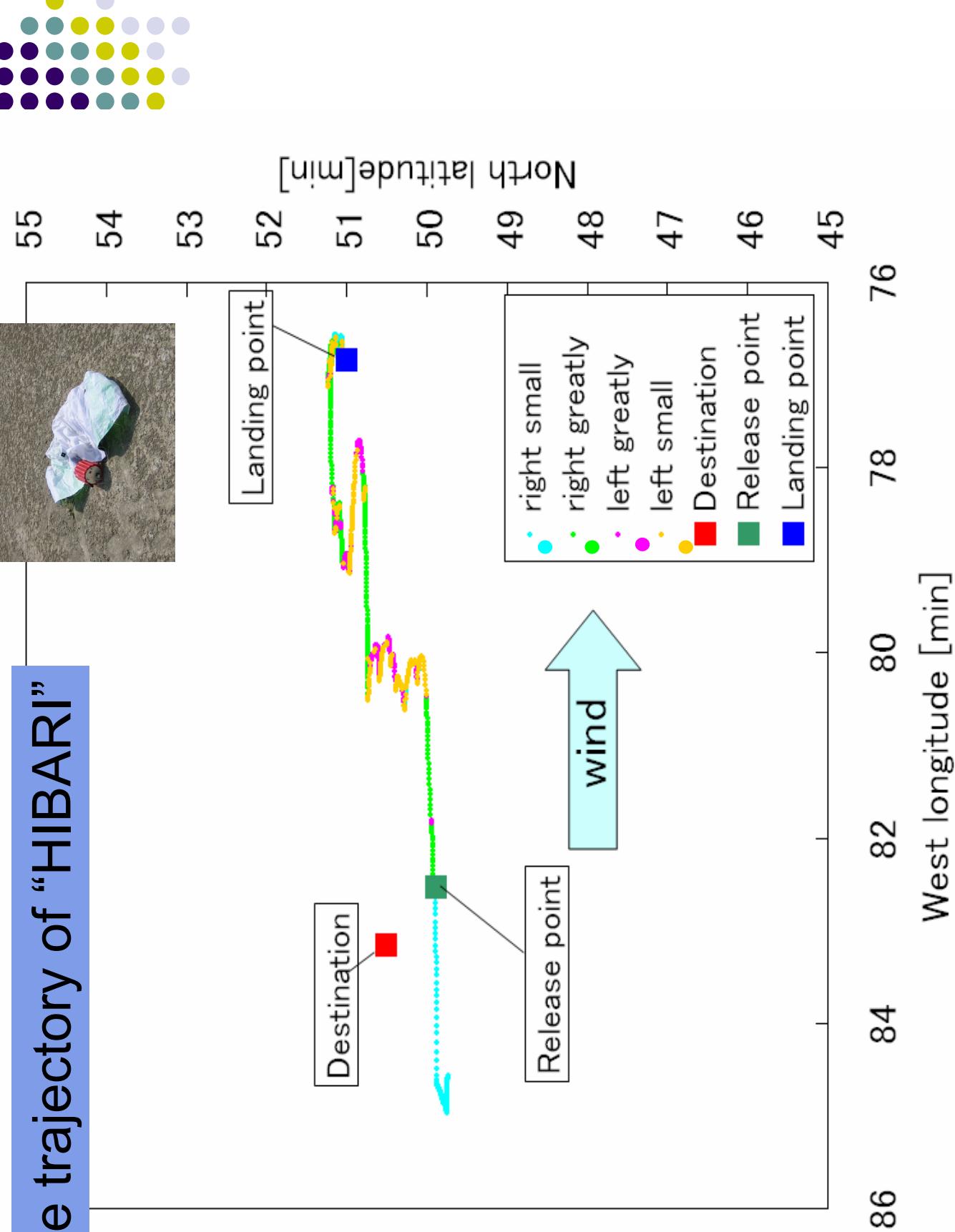




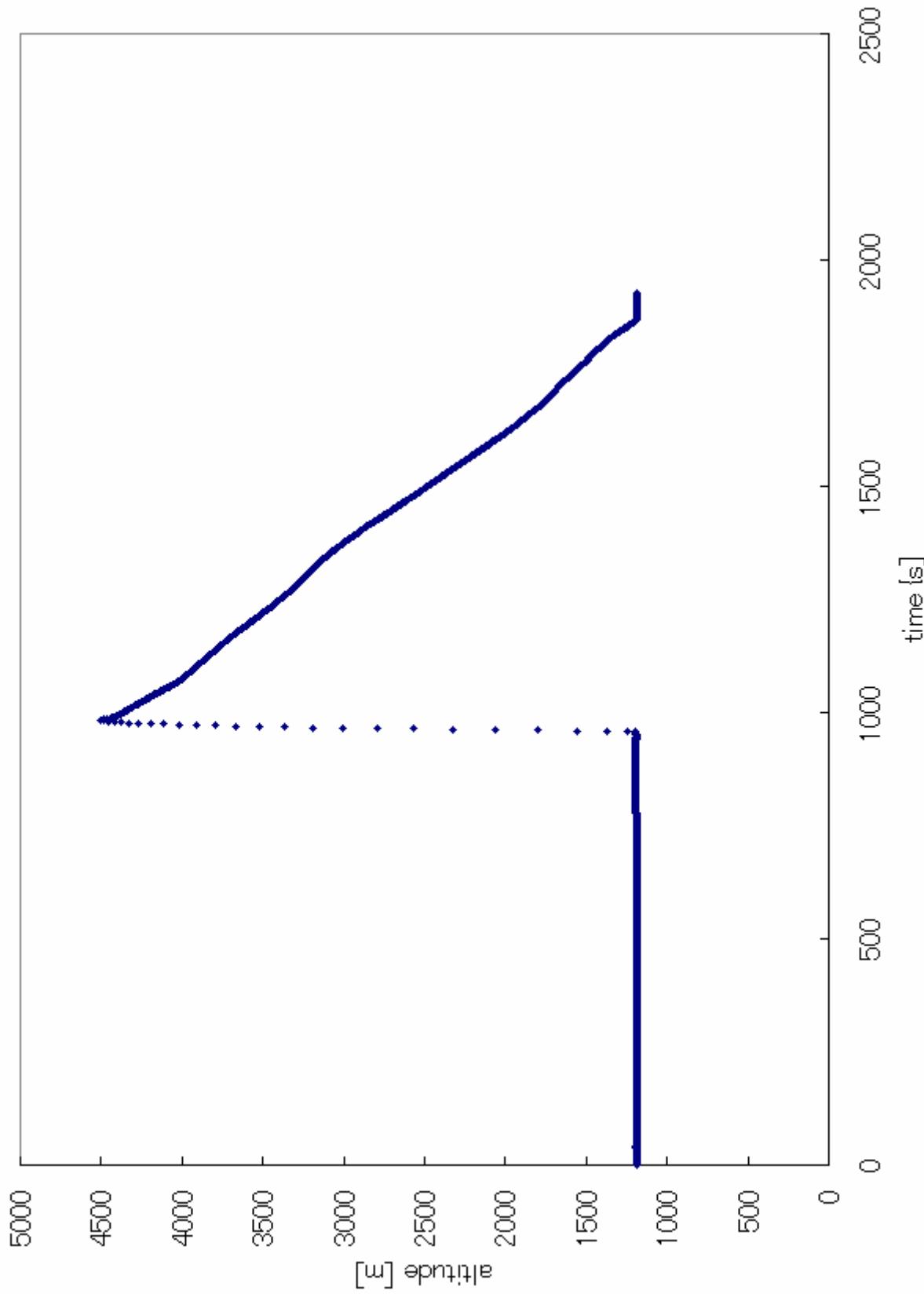
Result (The First Flight)

- The landing point is **1260 meter** (about 0.78 mile) from the destination
- We could get the data of **GPS** and the **control**
- “**HIBARI**” did **autonomous control**

The trajectory of “HIBARI”



The altitude of “HIBARI”



Conclusion

- We could develop the Cansat which **can do autonomous control** surely
- This time HIBARI has just **the simple system** for autonomous control but from next time we try to make it have **the communication system** and more.
- **We keep evolving forever.....**

Thanks to

**the GOD of the rocket for us
“Richard” !!**

