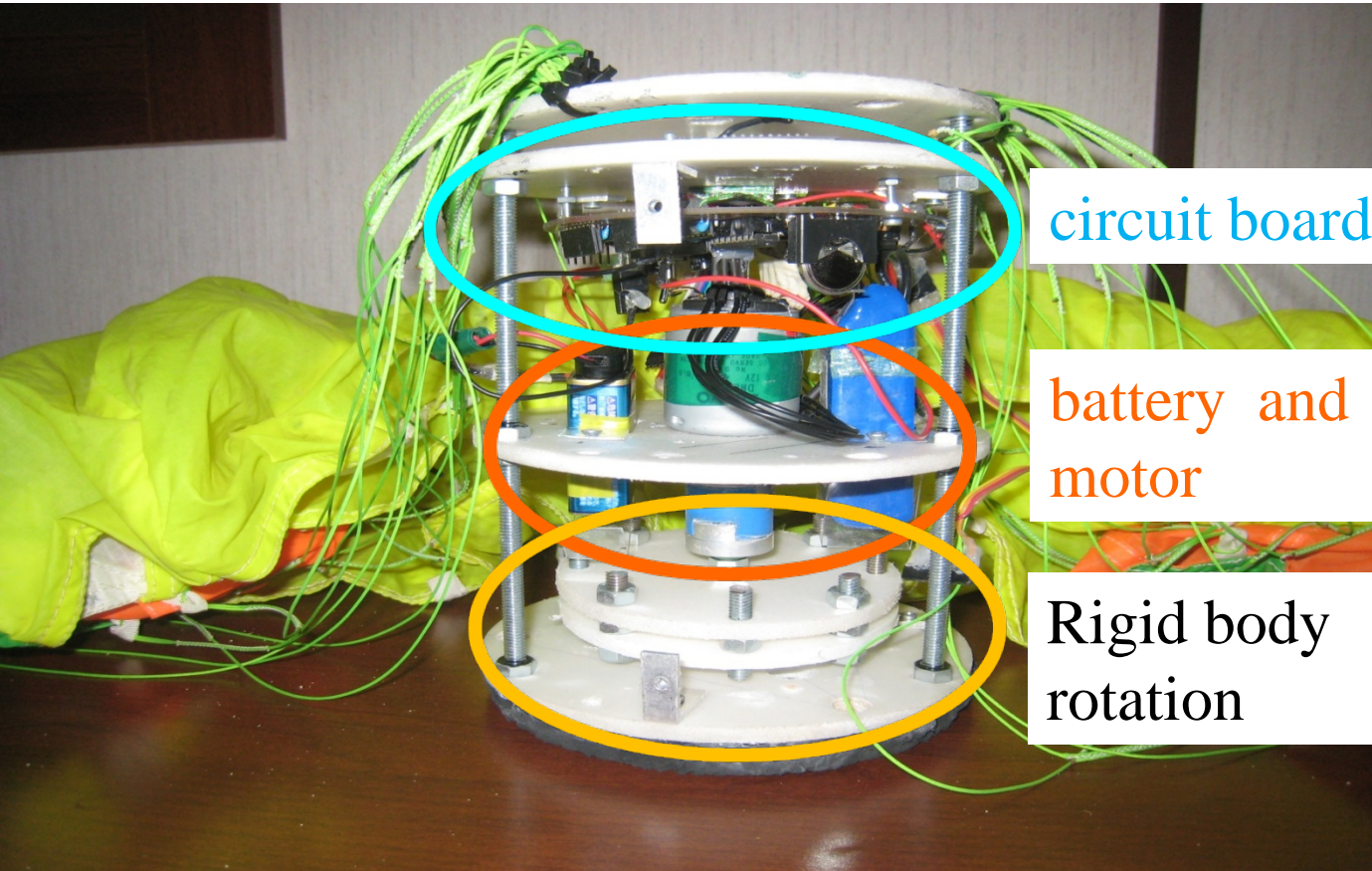


Kyusyu Institute of Technology
CANSAT Project

ARLISS 2010

Team name: Kita☆Kyushu otoko

Structure



- GPS :GH-81
- EEPROM
- Xbee Pro

circuit board

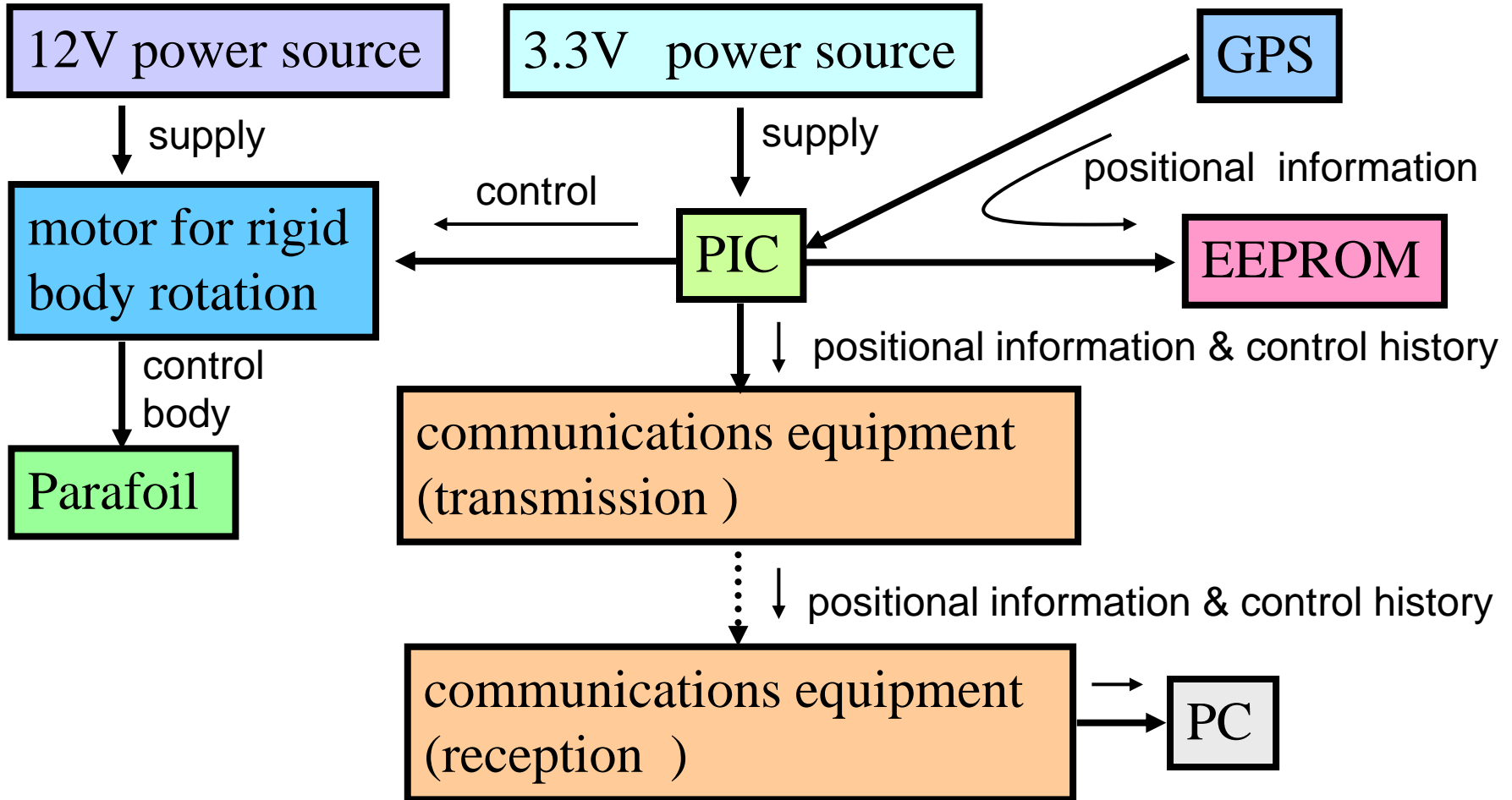
battery and motor

Rigid body rotation

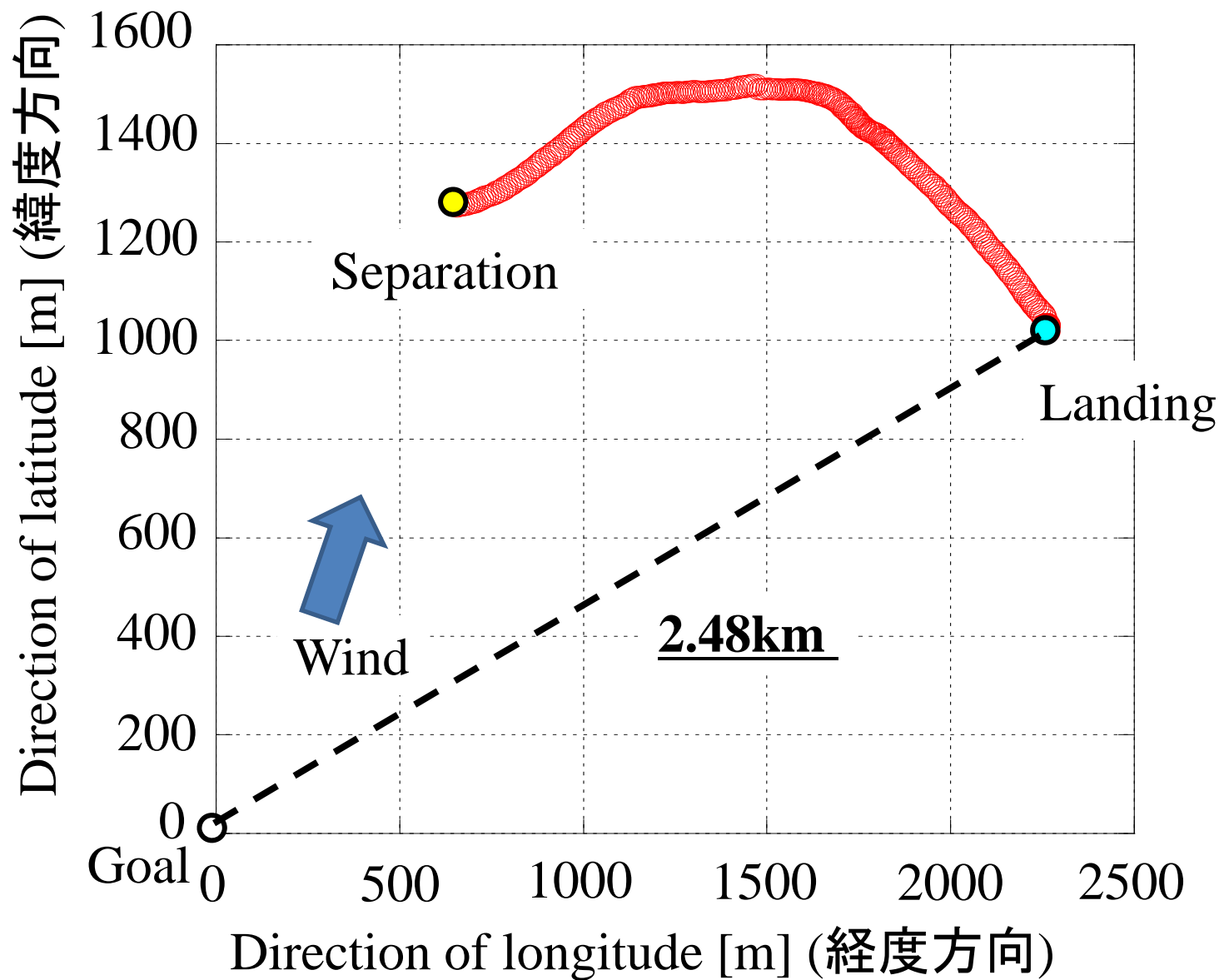
Weight : 1040g

Our cansat change its direction with action and reaction of rigid body rotation.

System Diagram



Distance to goal



Part of raw data

East longitude

A number of
satellite tracking

control history

North latitude

Altitude

N	40.82605	E	328.2511	H	3814.8	9	X
N	40.82603	E	328.2512	H	3809.8	9	X
N	40.826	E	328.2512	H	3804.3	10	X
N	40.82598	E	328.2513	H	3798.4	10	X
N	40.82596	E	328.2514	H	3792.3	10	X
N	40.82593	E	328.2515	H	3785.8	10	X
N	40.82591	E	328.2515	H	3779.2	10	X
N	40.82589	E	328.2516	H	3772.3	8	X
N	40.82587	E	328.2517	H	3765.3	8	X
N	40.82584	E	328.2518	H	3758	9	X
N	40.82581	E	328.2519	H	3750.6	7	X
N	40.82578	E	328.2519	H	3743.1	10	X
N	40.82574	E	328.252	H	3735.4	10	X

The control history always show “right”.

conclusion

Our cansat need more power to control.



- We should use glider type not parafoil type as wing.
- We should lighten our cansat.

- We have to add more mission.
(ex. take a picture or use other sensors)

Thank you for your attention!