

***Kyusyu Institute of
Technology Team A
~ARLISS~***

Cho · Toyoda laboratory

Contents

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- **Member**
- **Overview of CANSAT**
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Member

NO.3

Tetsunori Nagata (M1)

PM, Control algorithm

Yoshihiko Fujiwara (M1)

**CANSAT body &structure,
Parafoil**

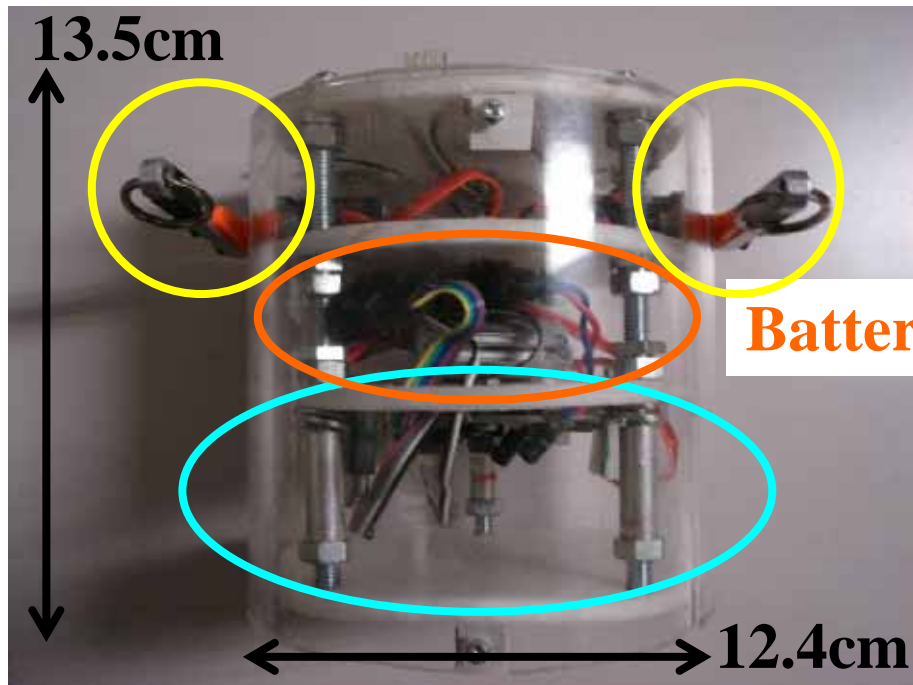
Hiroaki Takeuchi (M1)

Electric circuit, Main program

Overview of CANSAT

NO.4

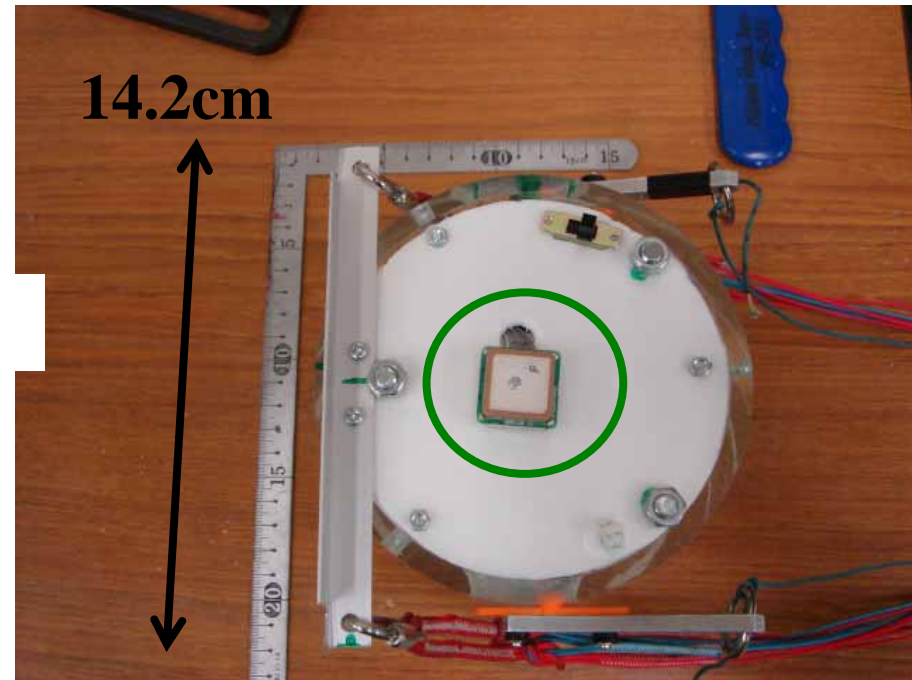
Servo motor



Battery

OBC(On board computer)

Communication system

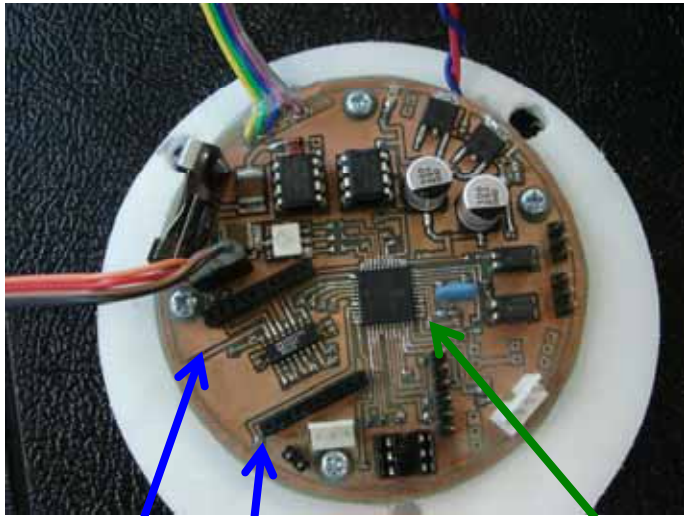


GPS (Furuno)

Weight :700g

Main Circuit

NO.5



Serial data



GPS :GH-81

Drive voltage: 3.3V

Low power consumption

Battery life 2.5 hours

USB connection

OBC :PIC18F452

Drive voltage: 3.3V



Radio transmission

Drive voltage: 3.3V

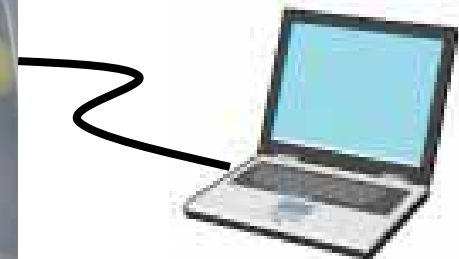


Xbee pro

2.4GHz

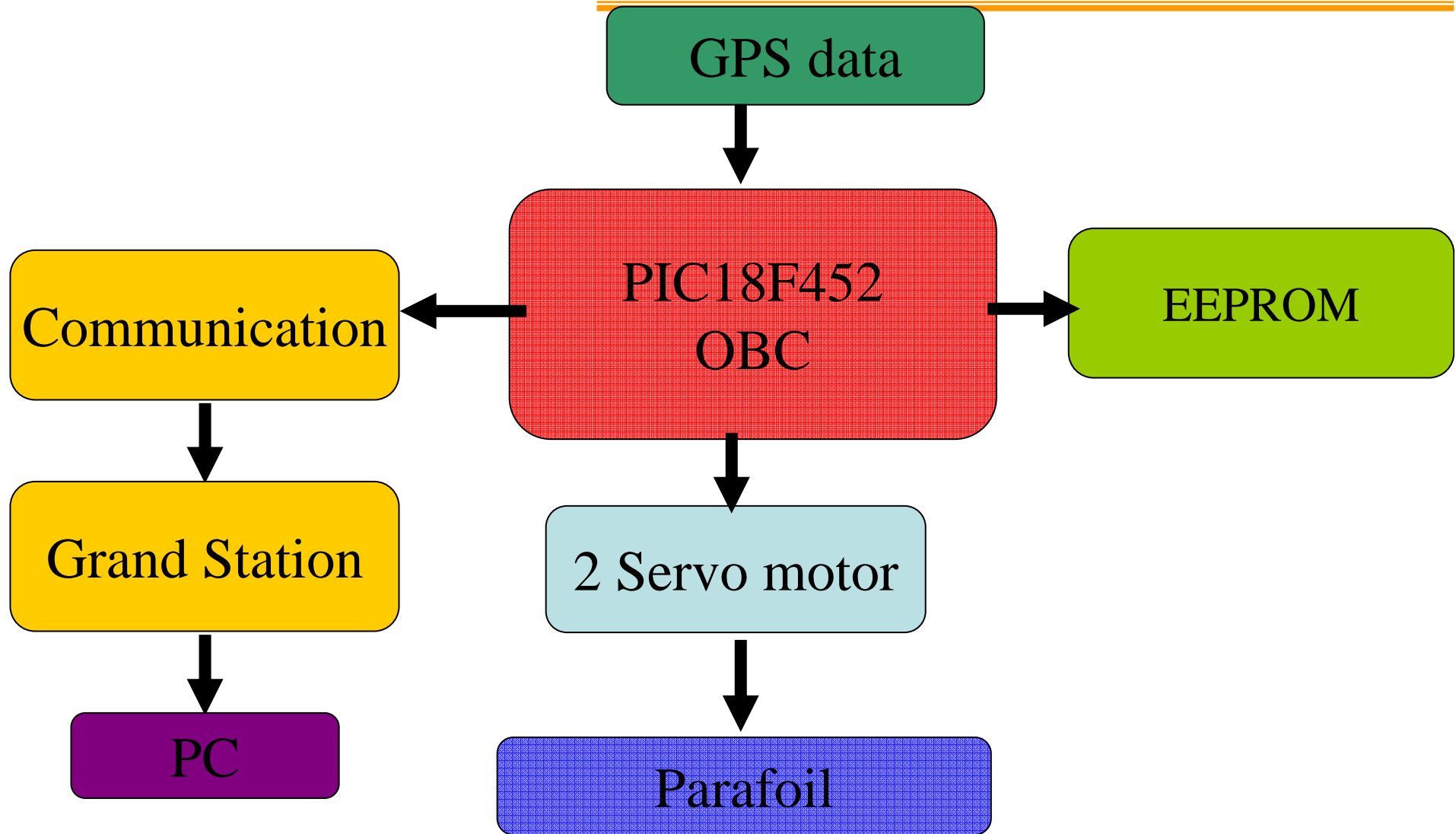


Grand Station



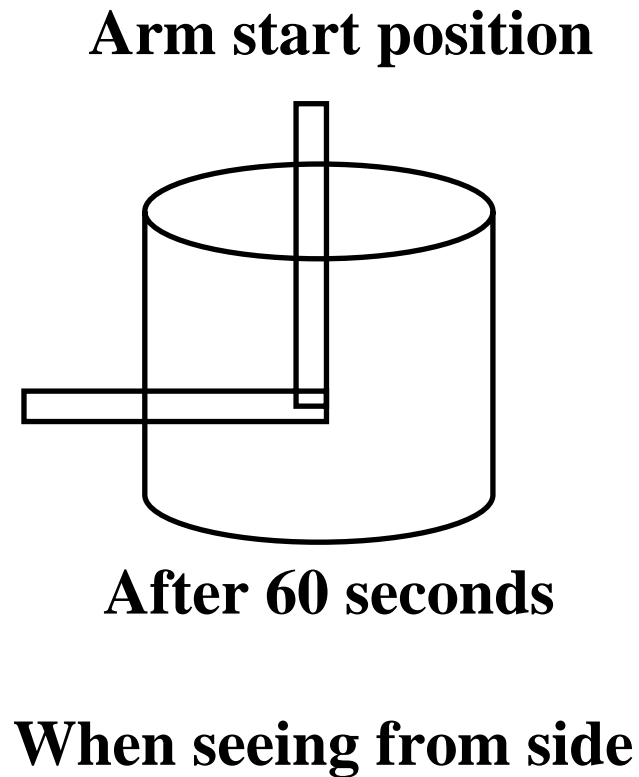
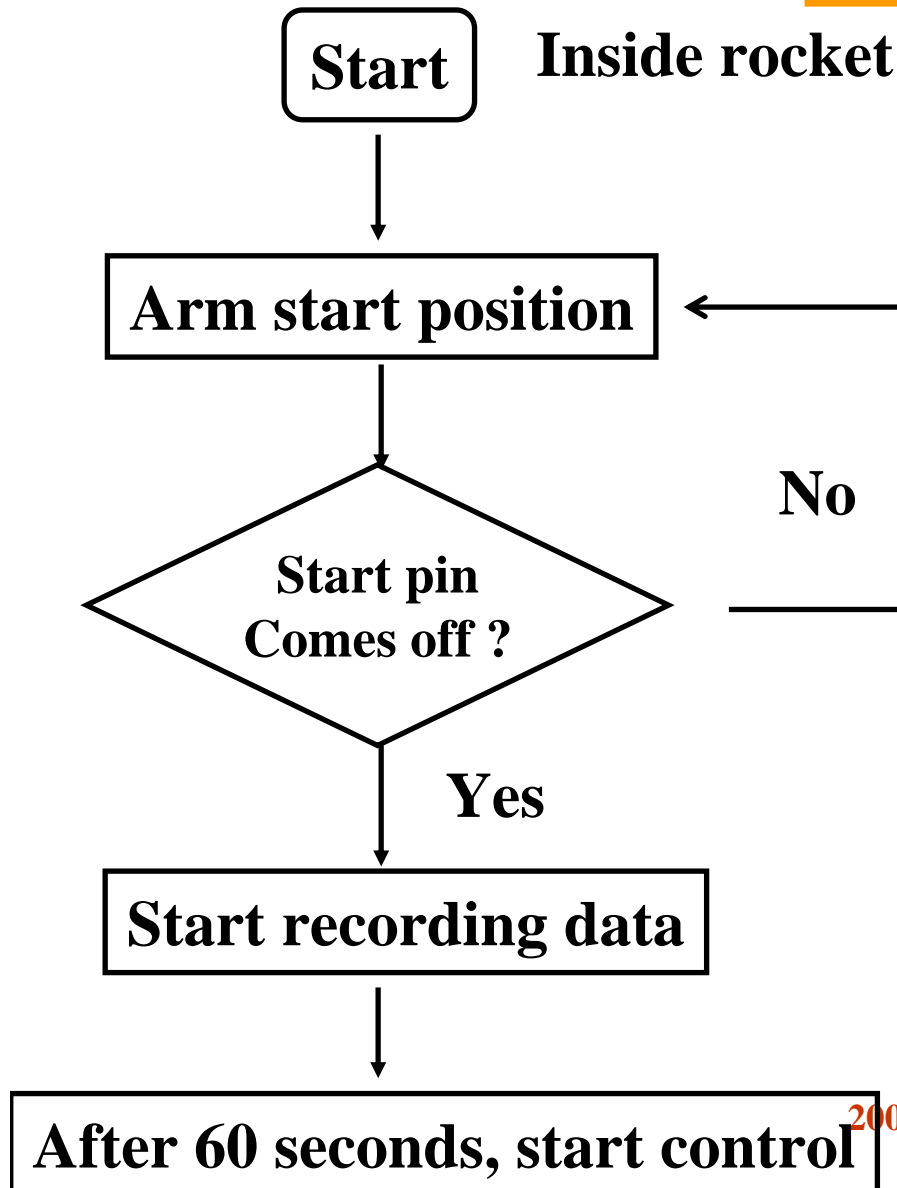
CANSAT System

NO.6



Mission sequence

NO.7



ARLISS record

NO.8

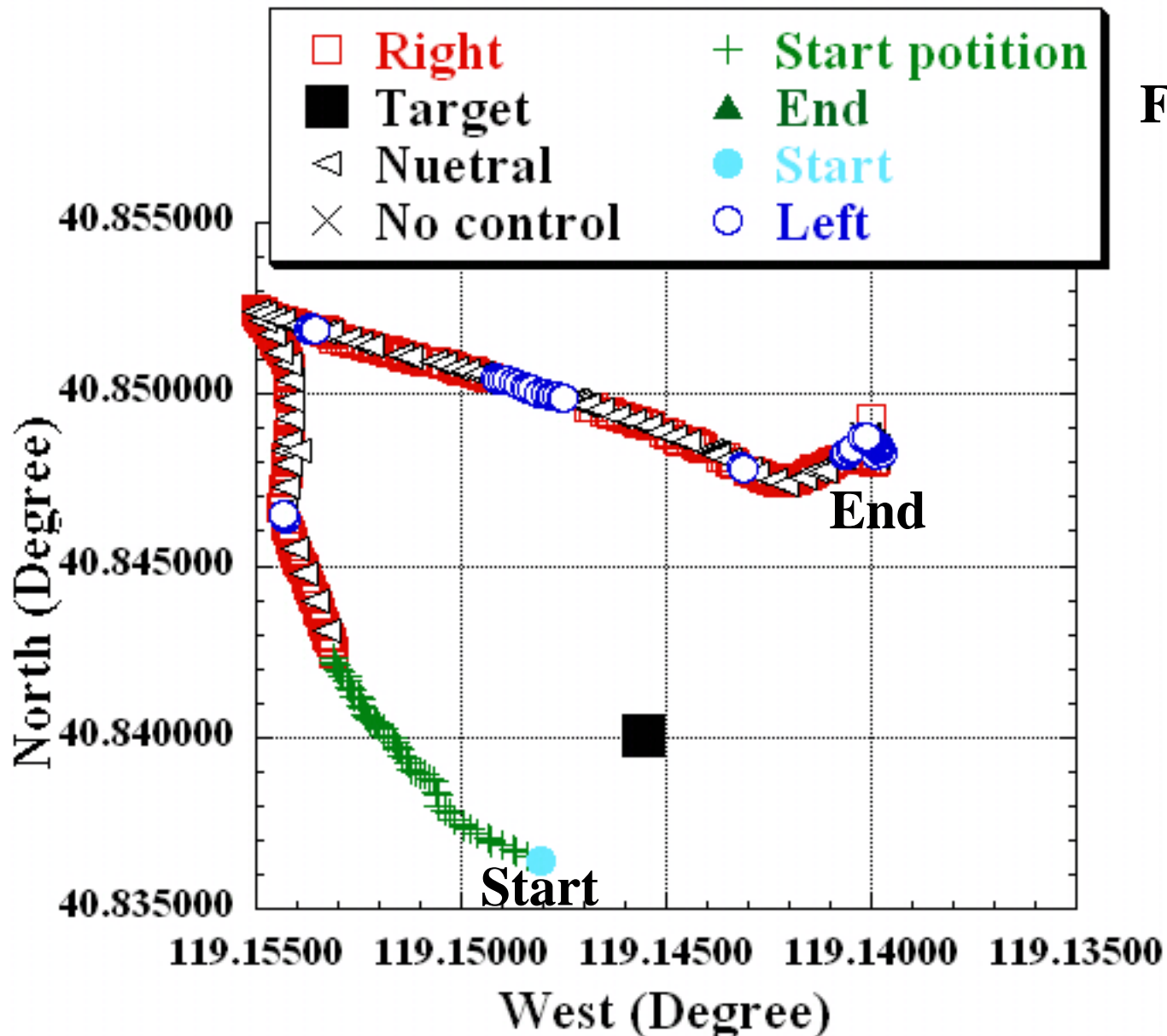
	Distance	Control	Rocket
1st trial	10.3km	No control	Seth
2nd trial	1070m	Control	Dave

2nd trial (1)

Far point :6'04''

NO.9

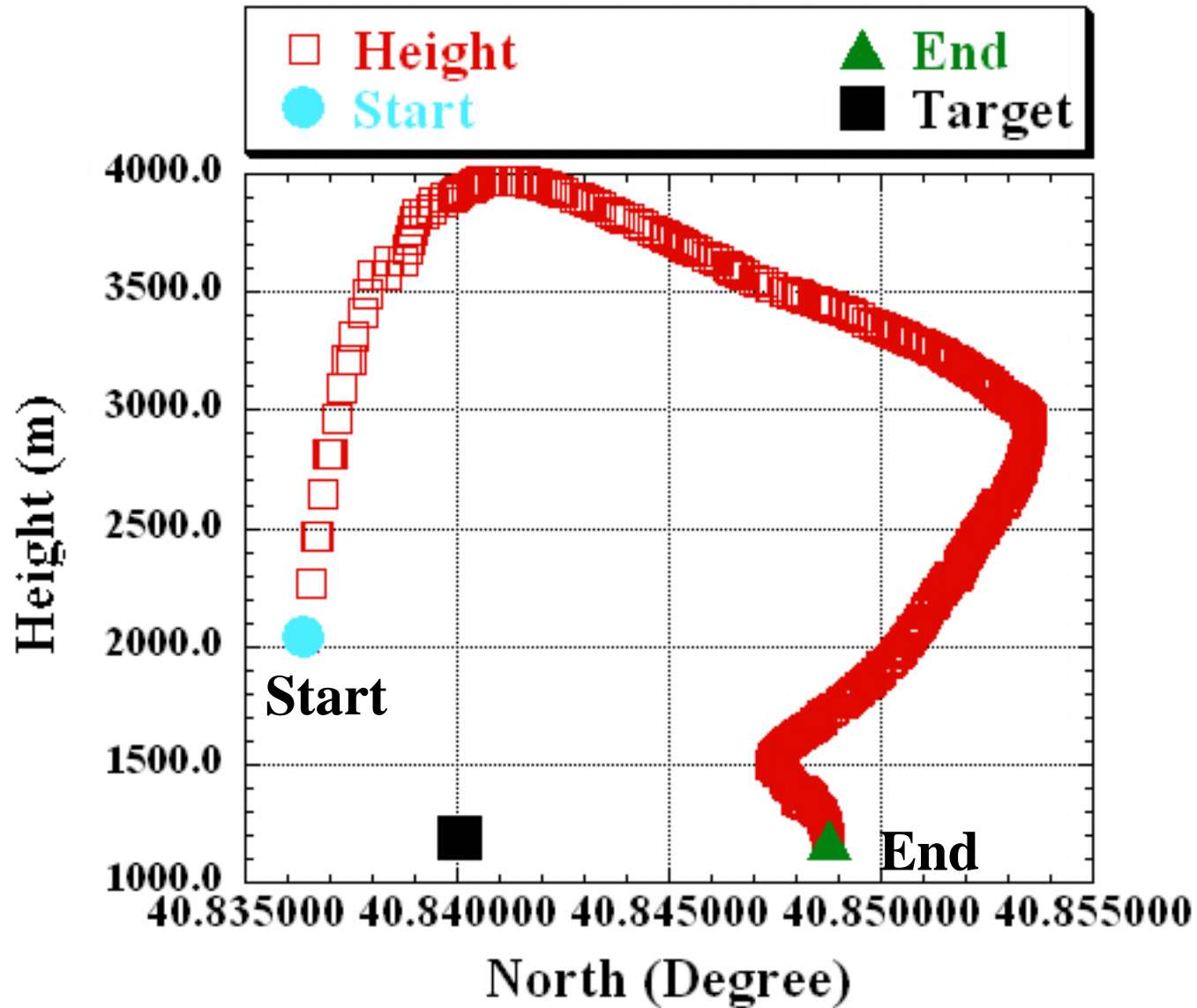
Flight time:10'01''



2nd trial (2)

NO.10

Highest point: 47''



Thank you AeroPac member

NO.11



Thank you Seth and Dave