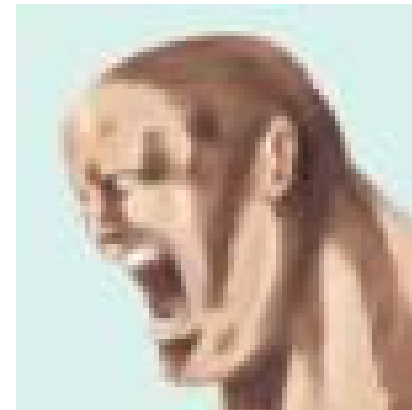
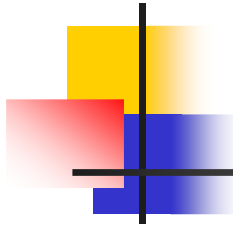
 T.I.TECH ARLISS TEAM

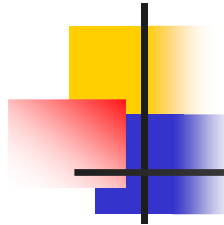
Spopovic



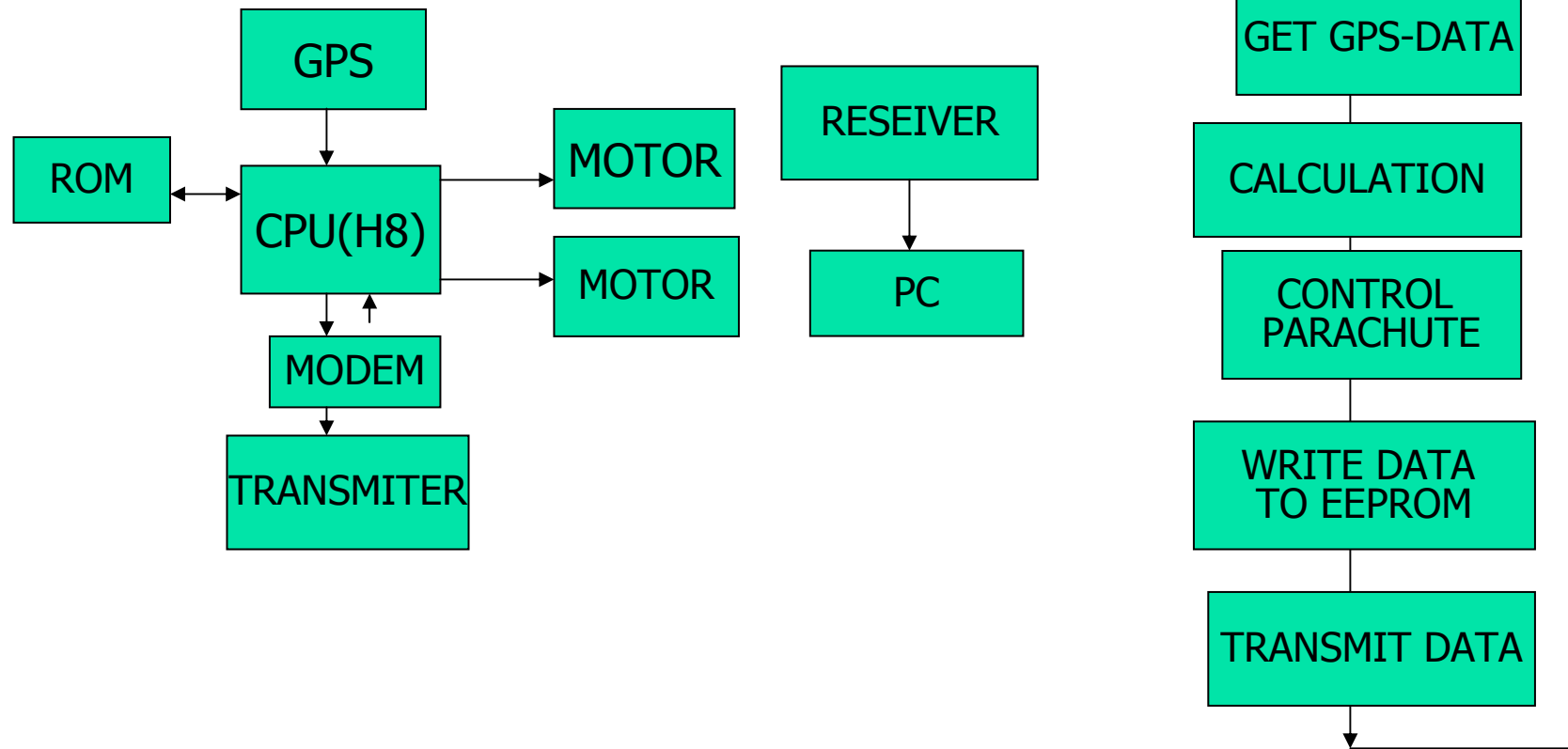


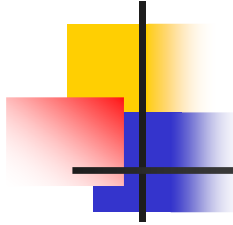
Mission

- Minimum Success
 - Stable unfold and control of parachute
 - Recording GPS data and control history to ROM
- Medium Success
 - Down link information of present position
- Maximum Success
 - Taking picture in digital mode using handmade camera



System

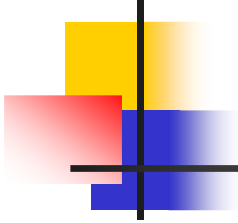




THEORY

- Theory of control parachute

Turning the line of satellite to the target point using result of integral position and velocity vector taken from GPS information



RESULT

- 1st try

control : Because of failure in adjustment of parachute , servo control can't make effect

communication : Failure because power off

camera : Not carried

- 2nd try

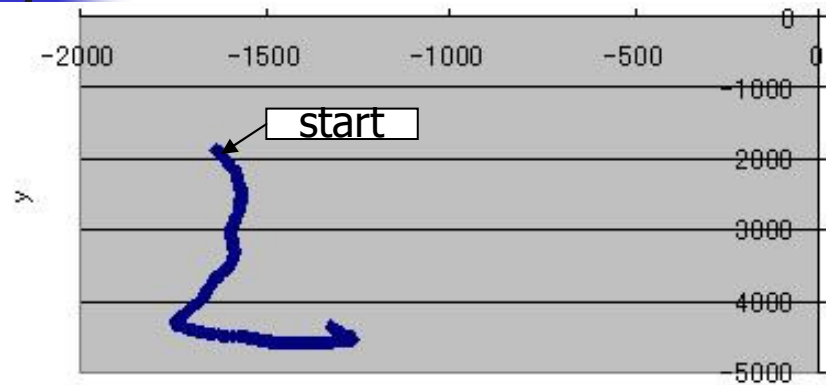
control : Because of strong wind , control was not effective

communication : Succeed in transmitting present GPS date in real time

camera : Carried , but power couldn't switch on



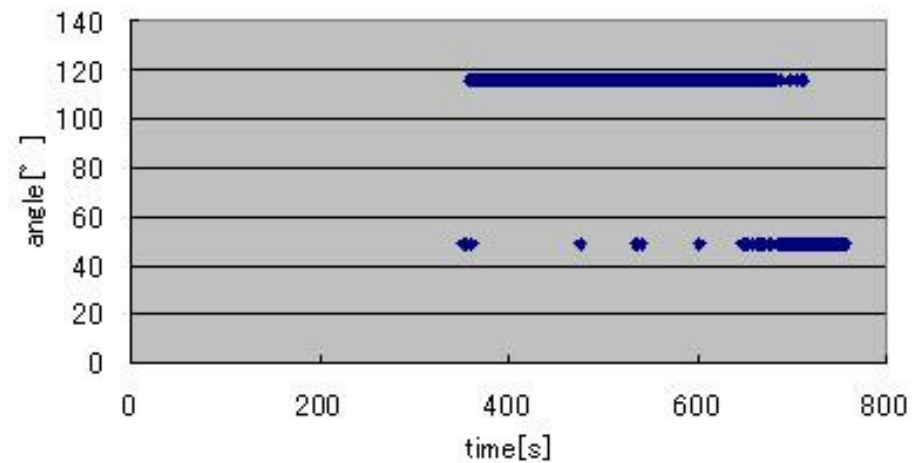
1st try



x
打ち上げ一回目

Servo Control
History⇒

←tracks[unit:m]
arrival point:4571m

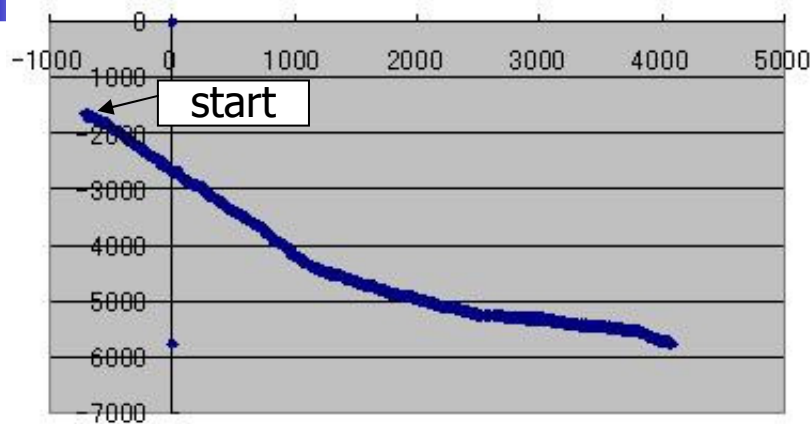


サーボモータ履歴

1st try

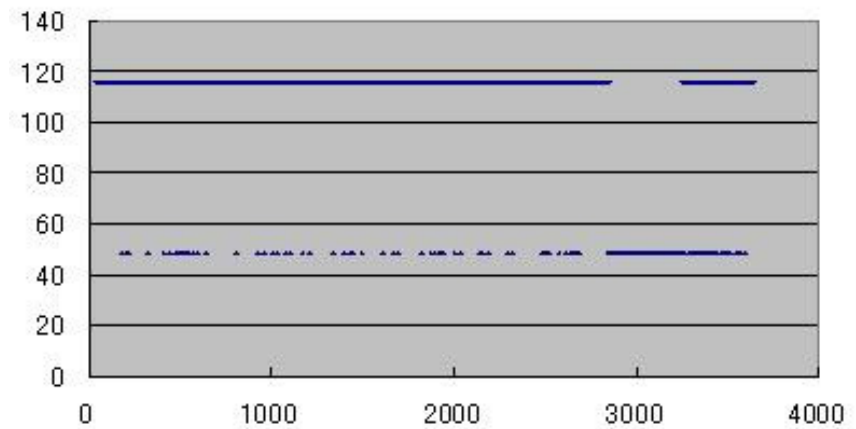


2nd try



←tracks[unit:m]
arrival point: 6480m

Servo control
History⇒



2nd try



Thank you for your
corporation!!

