

*ARLISS Report*

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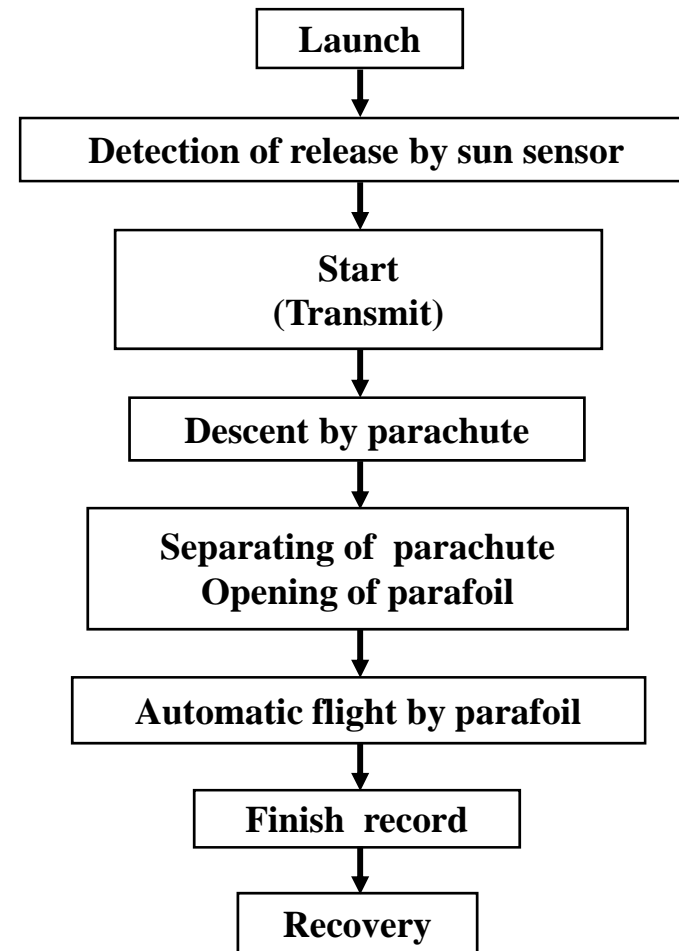
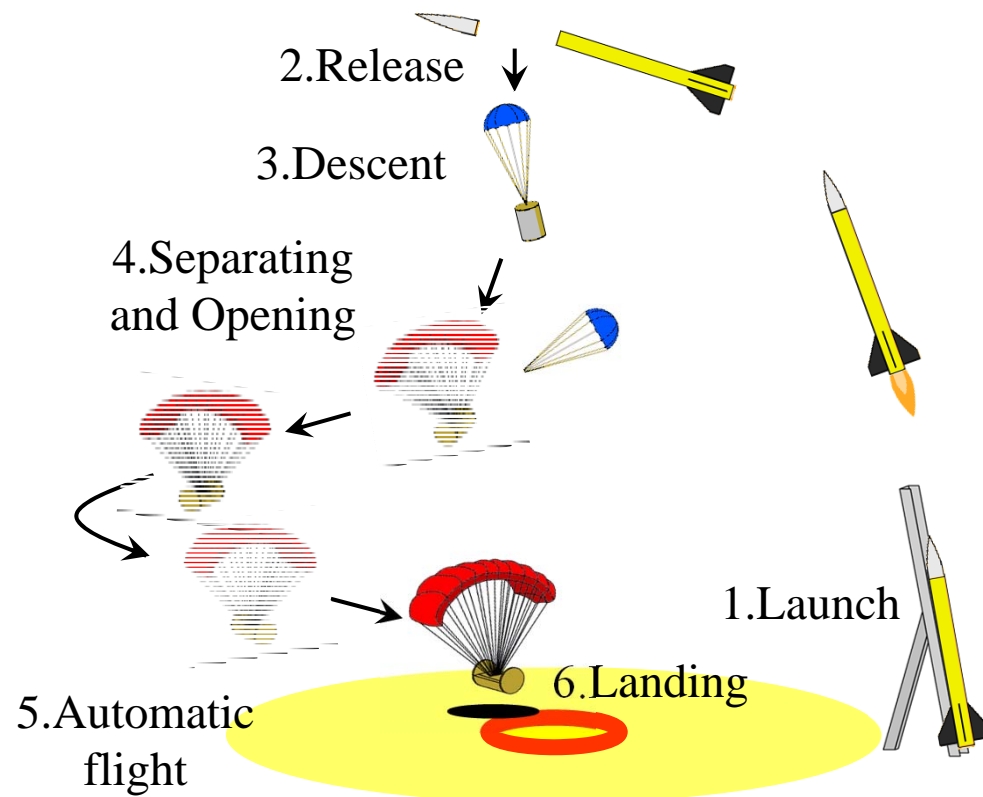
# *KINGS*

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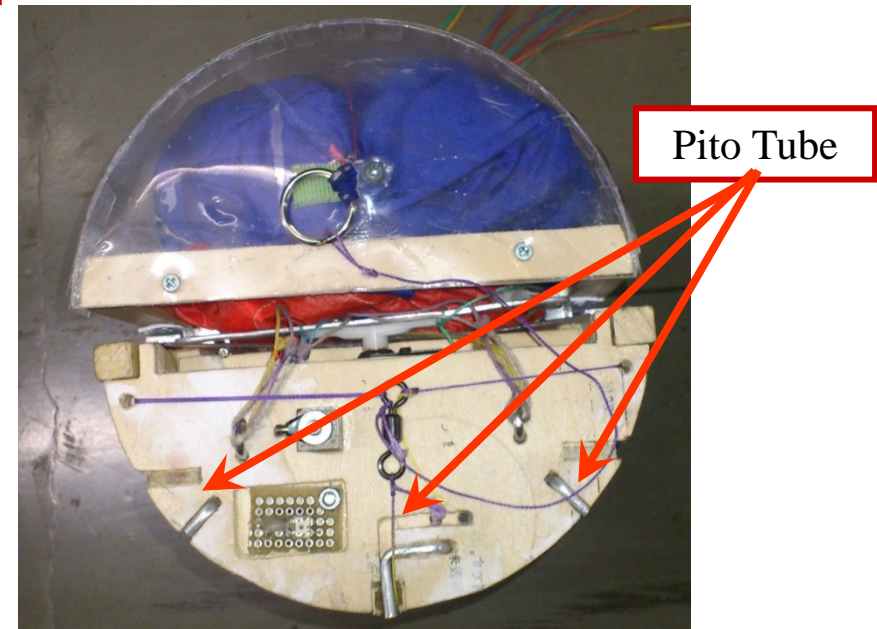
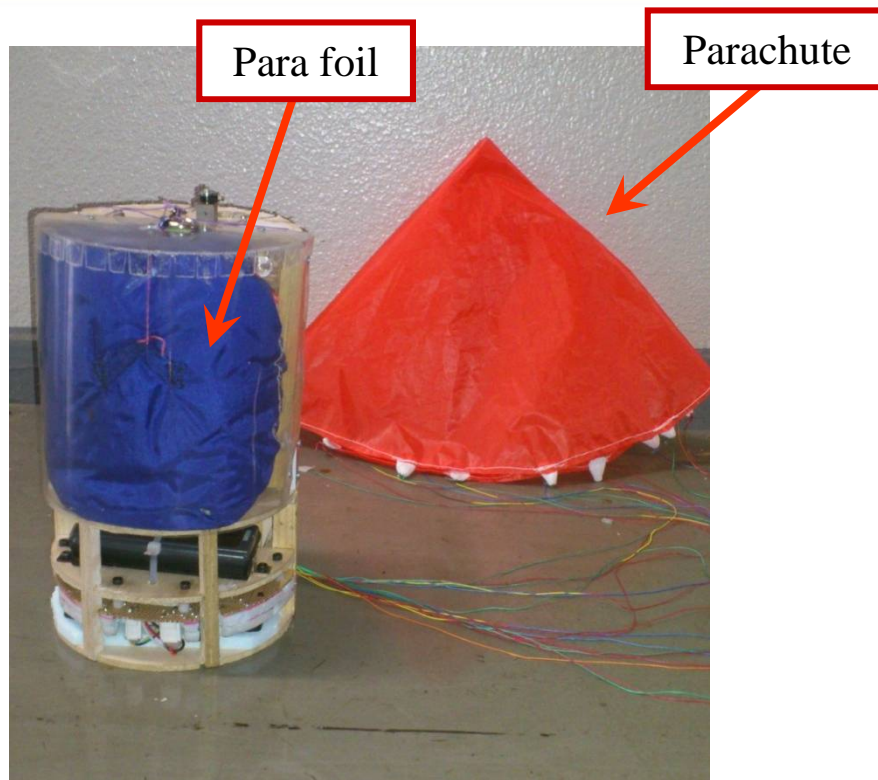
**Kyushu Institute of Technology**

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Seito Tashima, Kazuhiro, Sugitani, Shingo Hayashida,  
Satoshi Moriwaki, Mohmd Haffizuddin,

# Sequence

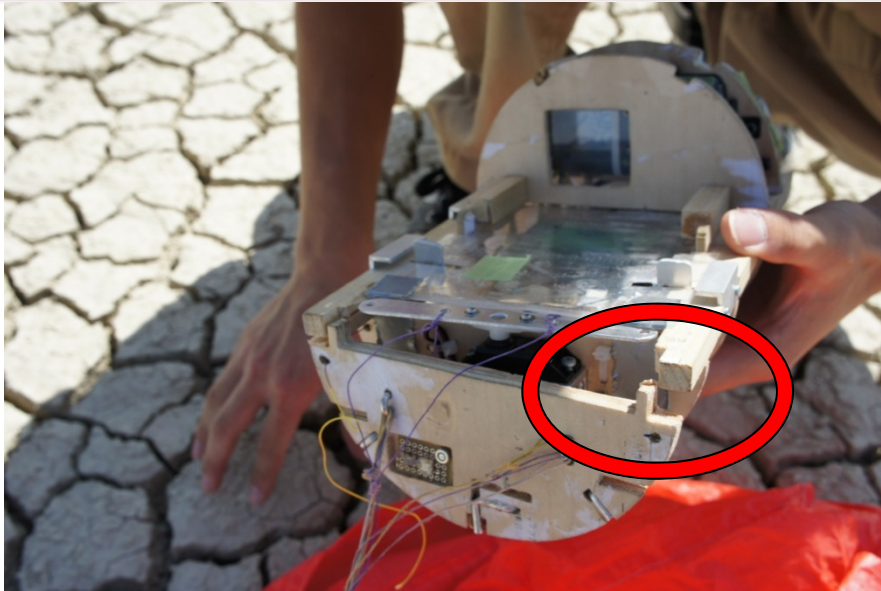


# CanSat



	Body
Diameter × height [mm]	140 × 228
Mass [g]	1008

# Result(1<sup>st</sup> & 3<sup>rd</sup> launch).....Failure



<b>Landing point</b>	<b>1.1km</b>
<b>Flight time</b>	<b>8min</b>
<b>Opening parafoil</b>	<b>Success</b>
<b>Control record</b>	<b>Success</b>
<b>Downlink</b>	<b>Success</b>



<b>Landing point</b>	<b>1.7km</b>
<b>Flight time</b>	<b>5min</b>
<b>Opening parafoil</b>	<b>Failure</b>
<b>Control record</b>	<b>Success</b>
<b>Downlink</b>	<b>Success</b>



# Result(2<sup>nd</sup> and 4<sup>th</sup> launch) )... Failure

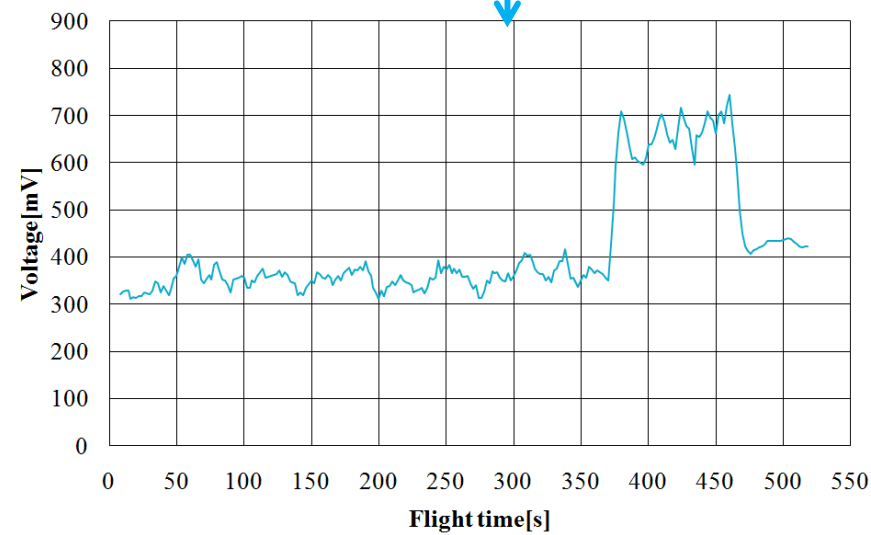
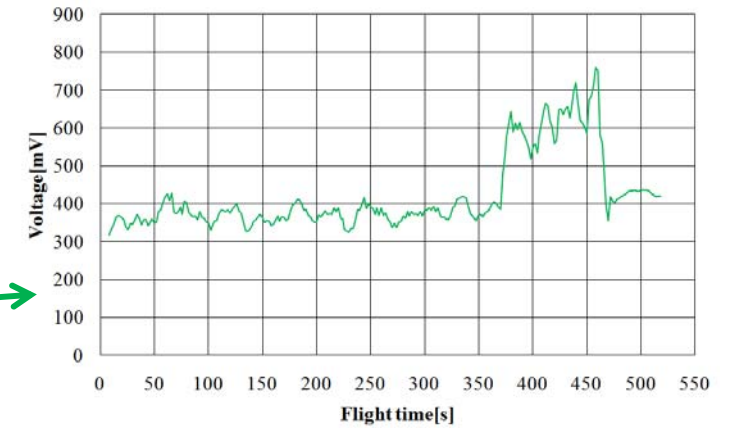
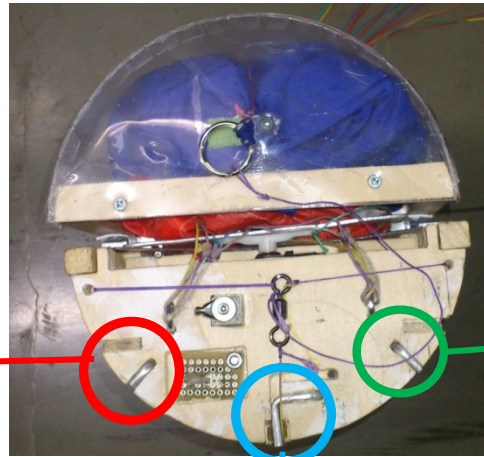
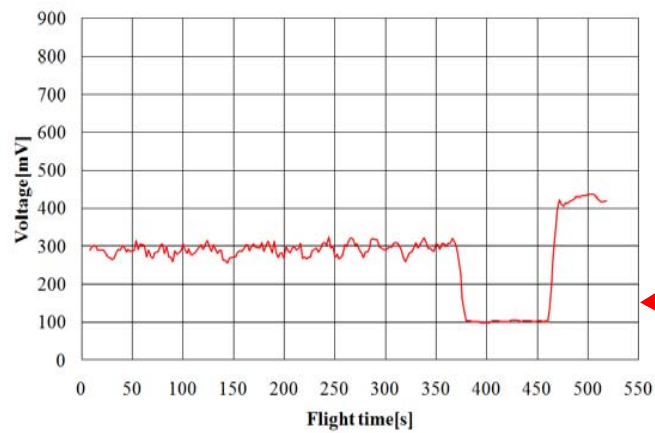


<b>Landing point</b>	<b>0.5km</b>
<b>Flight time</b>	<b>9min</b>
<b>Deployment of parafoil</b>	<b>Failure</b>
<b>Recording control history</b>	<b>Success</b>
<b>Downlink</b>	<b>Success</b>



<b>Landing point</b>	<b>3.3km</b>
<b>Flight time</b>	<b>7min</b>
<b>Deployment of parafoil</b>	<b>Failure</b>
<b>Recording control history</b>	<b>Success</b>
<b>Downlink</b>	<b>Success</b>

# Pito Tube .....under analyzing



# Result

	1st	2nd	3rd	4th
<b>Landing point</b>	<b>1.1km</b>	<b>1.7km</b>	<b>0.5km</b>	<b>3.3km</b>
<b>Flight time</b>	<b>8min</b>	<b>5min</b>	<b>9min</b>	<b>7min</b>
<b>Opening parafoil</b>	<b>Success</b>	<b>Failure</b>	<b>Failure</b>	<b>Failure</b>
<b>Control record</b>	<b>Success</b>	<b>Success</b>	<b>Success</b>	<b>Success</b>
<b>Downlink</b>	<b>Success</b>	<b>Success</b>	<b>Success</b>	<b>Success</b>

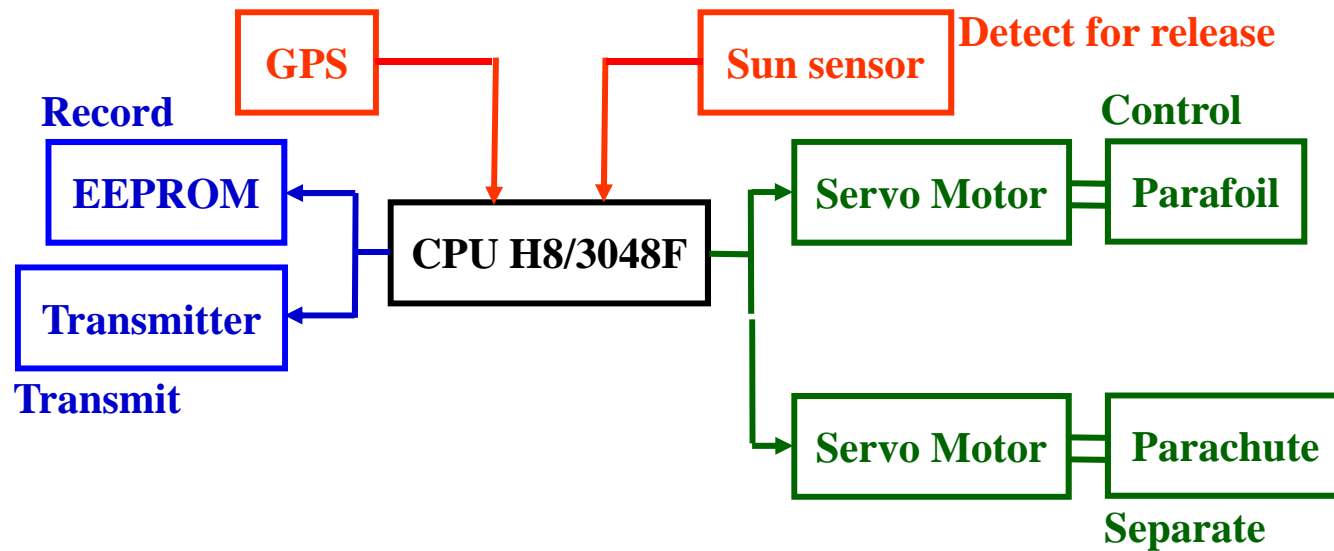
*Thank you for listening !*



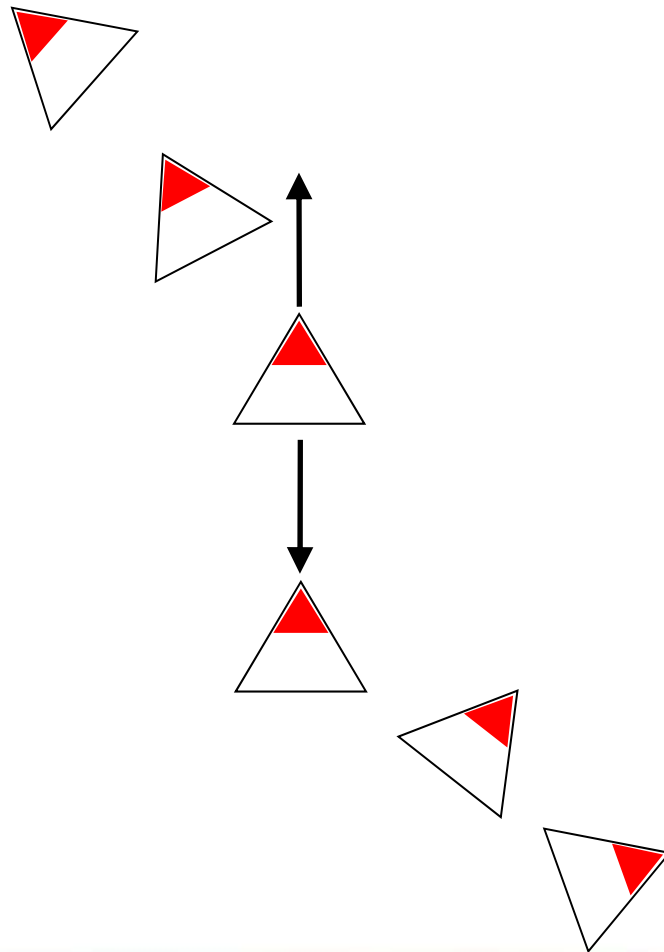
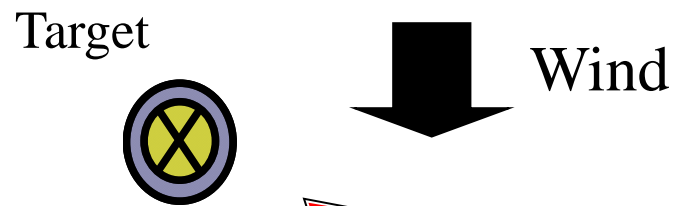
*Thank you for great rocket launch **AERO PACK!***



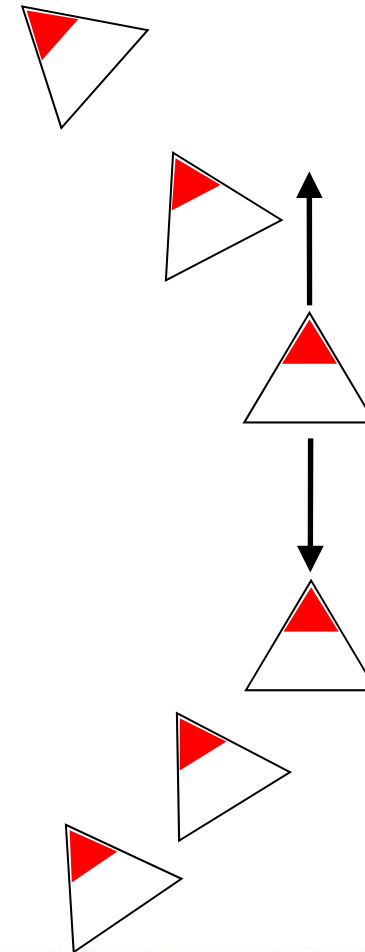
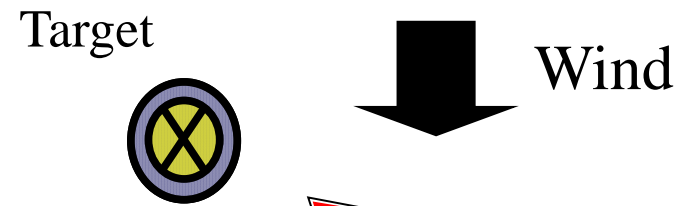
# System Diagram



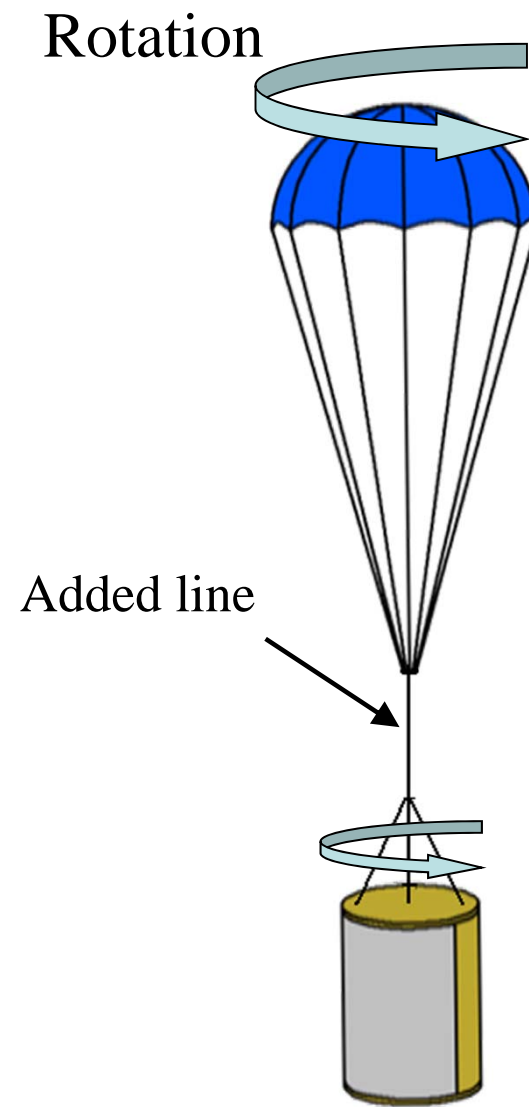
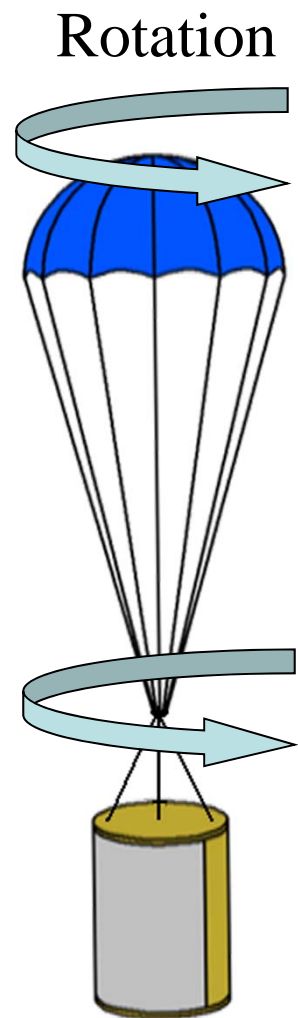
# 電子コンパスによる方向制御

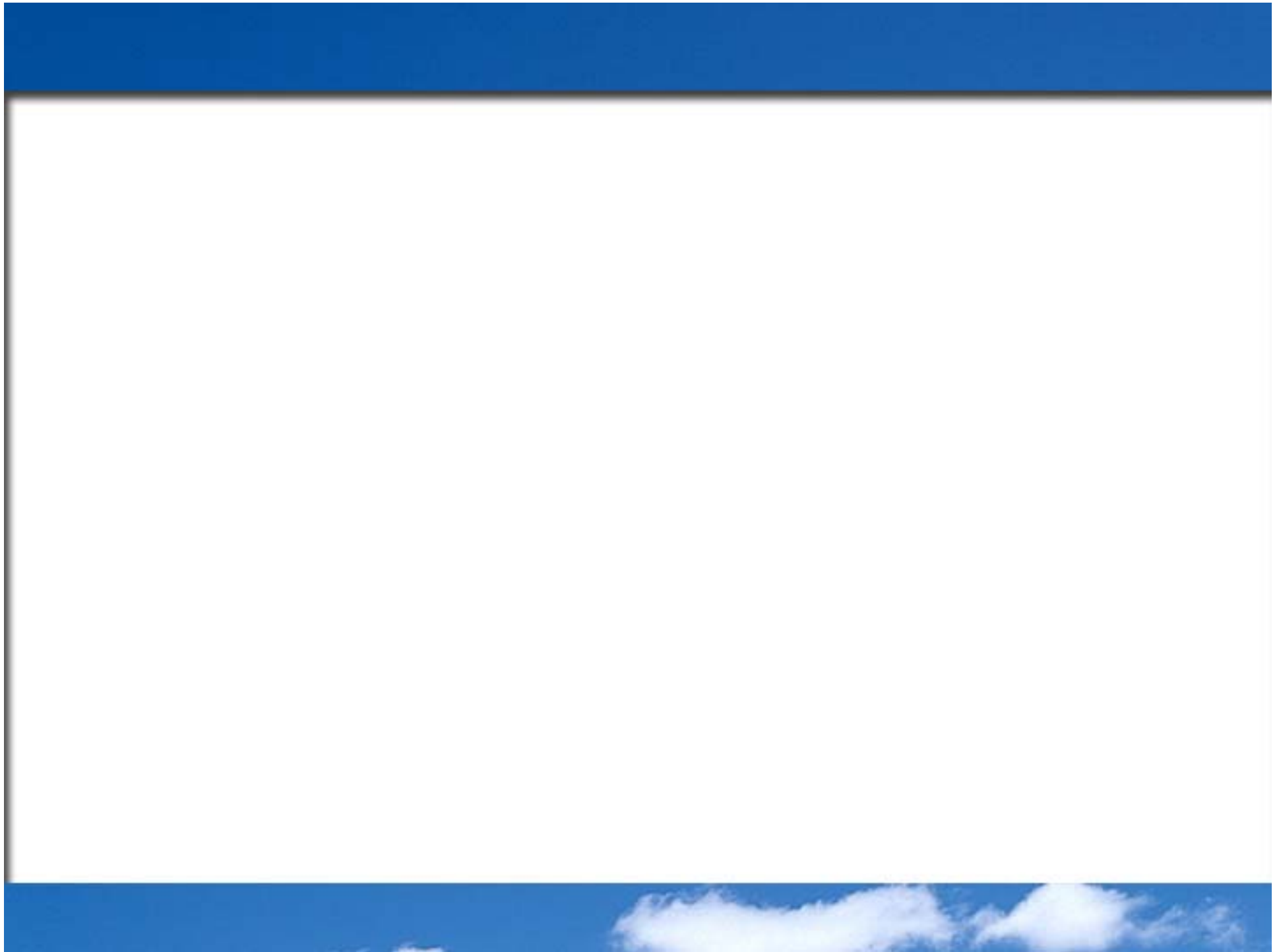


速度ベクトルの場合



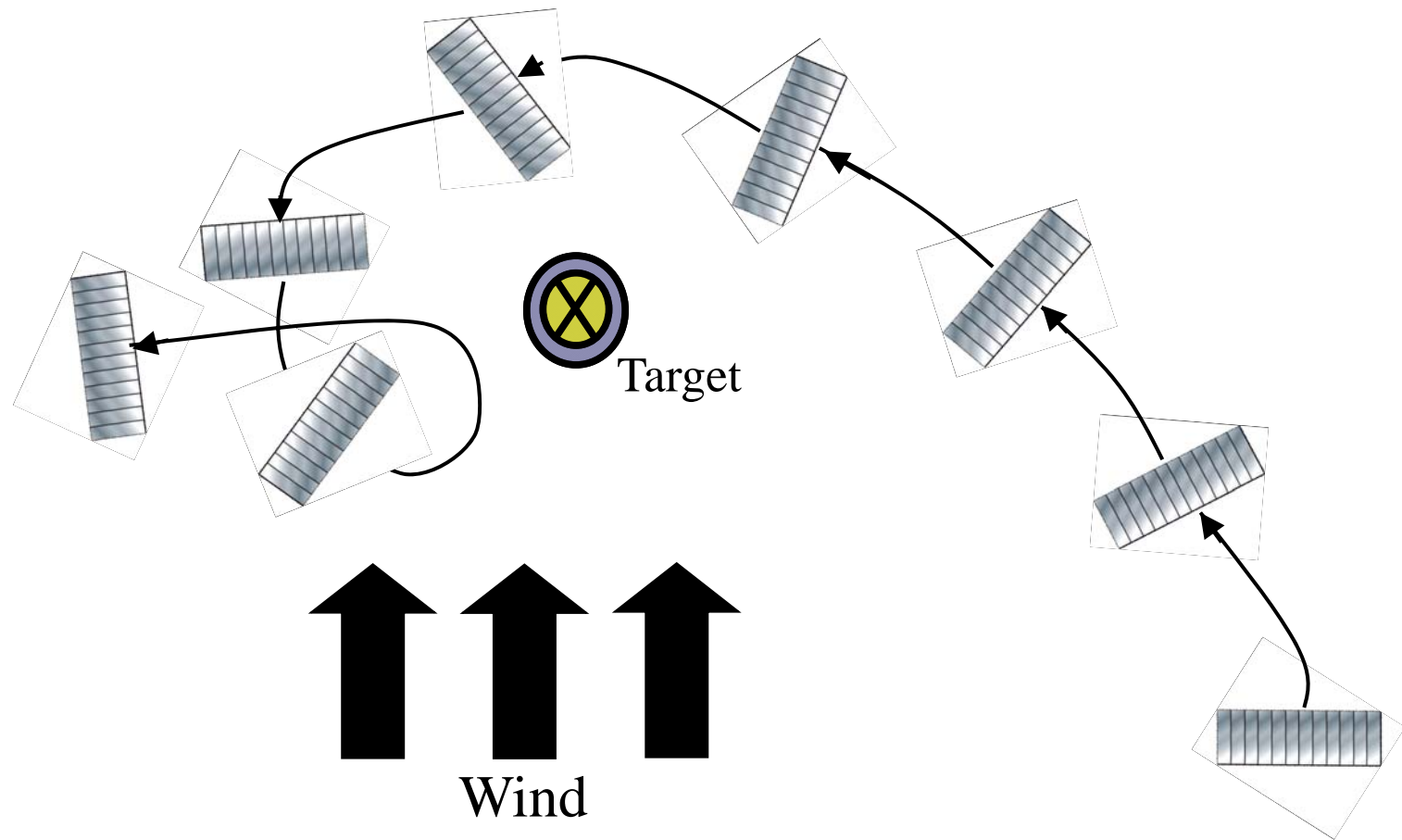
電子コンパスの場合







# 過剰な旋回量の場合



# 緩やかな旋回量の場合

