

ARLISS2013

TMU WÅNDER

- M1 Hideki OGURO
- M1 Sho KAWAKAMI
- B4 Takahiro KUROMOTO
- B4 Yoshitaka SAKAI
- B4 Takeshi SAKUMA

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Team Introduction



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Members

① Hideki OGURO

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④ Yoshitaka SAKAI

⑤ Takeshi SAKUMA

TMU WÅNDER's CanSat

□ Competition

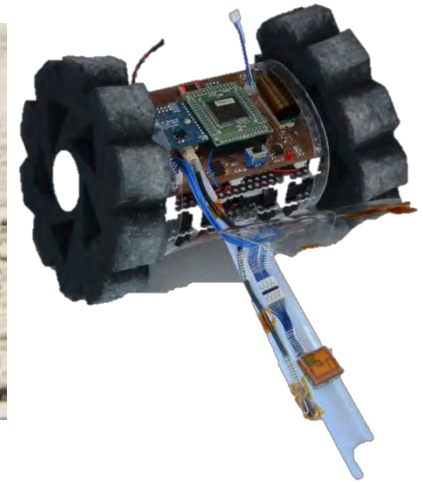
- Comeback
- Mission

□ CanSat

- Weight:1015 g
- Height:240 mm
- Diameter:140 mm

□ Characteristic

Our CanSat is rover type. It is equipped with the negative camber. The merit of negative camber is to improve turning performance.



TMU WÅNDER's rover

Result : 1st Flight



Result	Retire
Control History	No Data
Distance to Goal	1,561m
-Sequence Result-	
Launch	Success
Release	Success
Parachute	Success
Landing	Success
Separation	Failed
Running	-

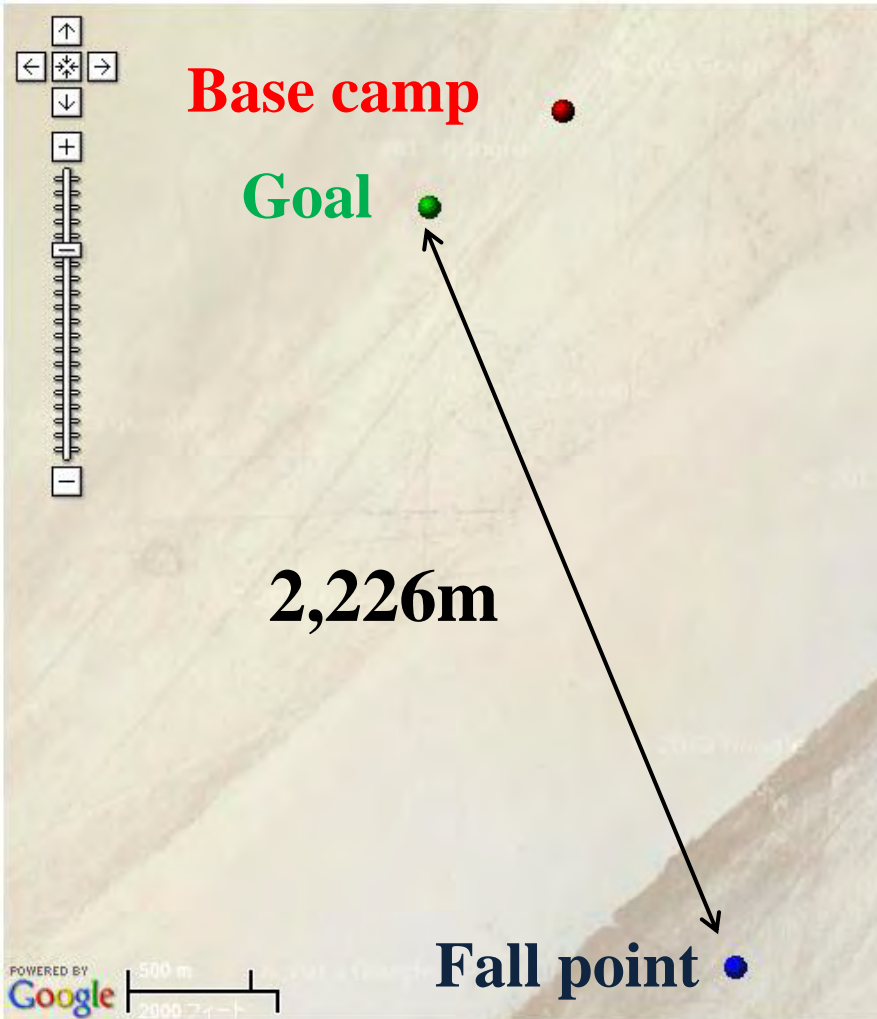
Result : 1st Flight

- Cause of the failure

The **GPS connector** was disconnected!!



Result : 2nd Flight

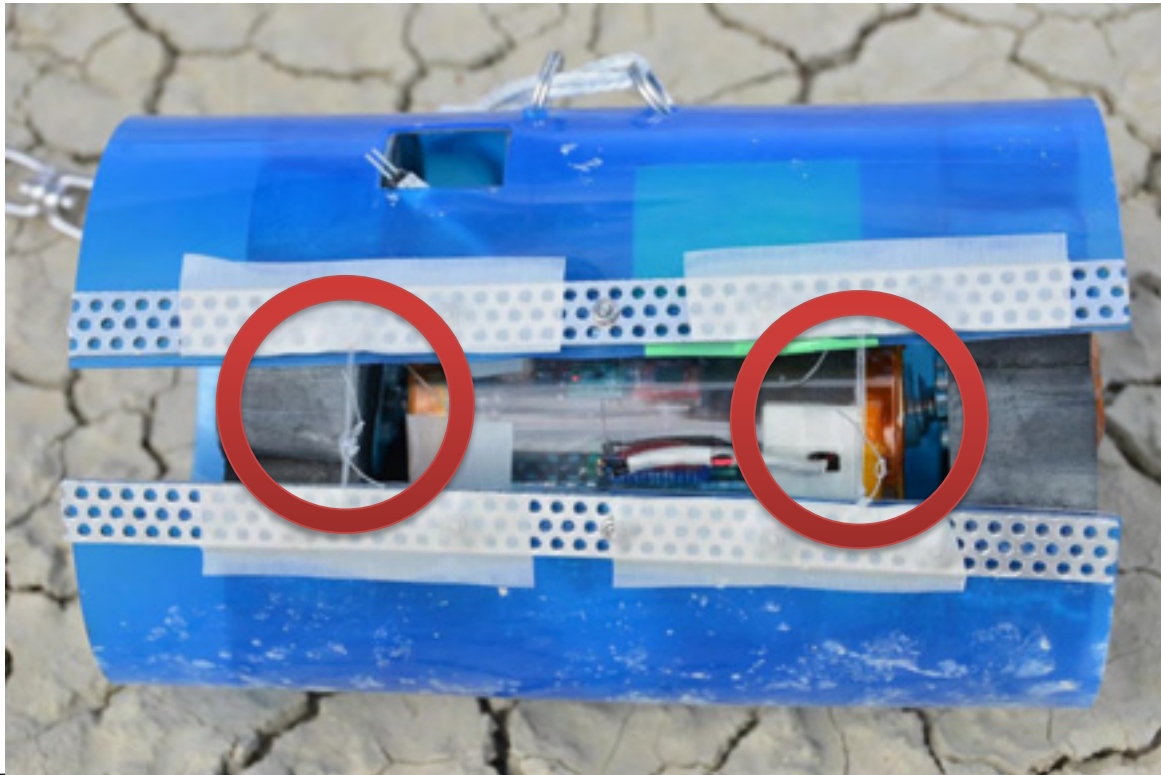


Result	Retire
Control History	No Data
Distance to Goal	2,226m
-Sequence Result-	
Launch	Success
Release	Success
Parachute	Success
Landing	Success
Separation	Failed
Running	-

Result : 2nd Flight

- Cause of the failure

Strings which packed CanSat did not separate.



Conclusion

Success Criteria

❑ Definition of **Minimum Success**

- Success** To open the parachute.
- Failed** CanSat is separated from parachute and running.
- Failed** To demonstrate negative camber.

❑ Definition of **Full Success**

- Failed** CanSat is separated from parachute and running 500m.

❑ **Primary Objective**

- Success** To establish technique of rover type CanSat in Tokyo Metropolitan Univ.



**Thank you fliers for great launches!!
And Thank you AeroPac and ARLISS Staff!!
See you again next ARLISS!!**



Team name

- TMU WÅNDER

WÅNDER = WANDER + WONDER

Secret anymore...