



**AXELSPACE**



# 超小型衛星

# 宇宙利用の敷居を 下げる超小型衛星



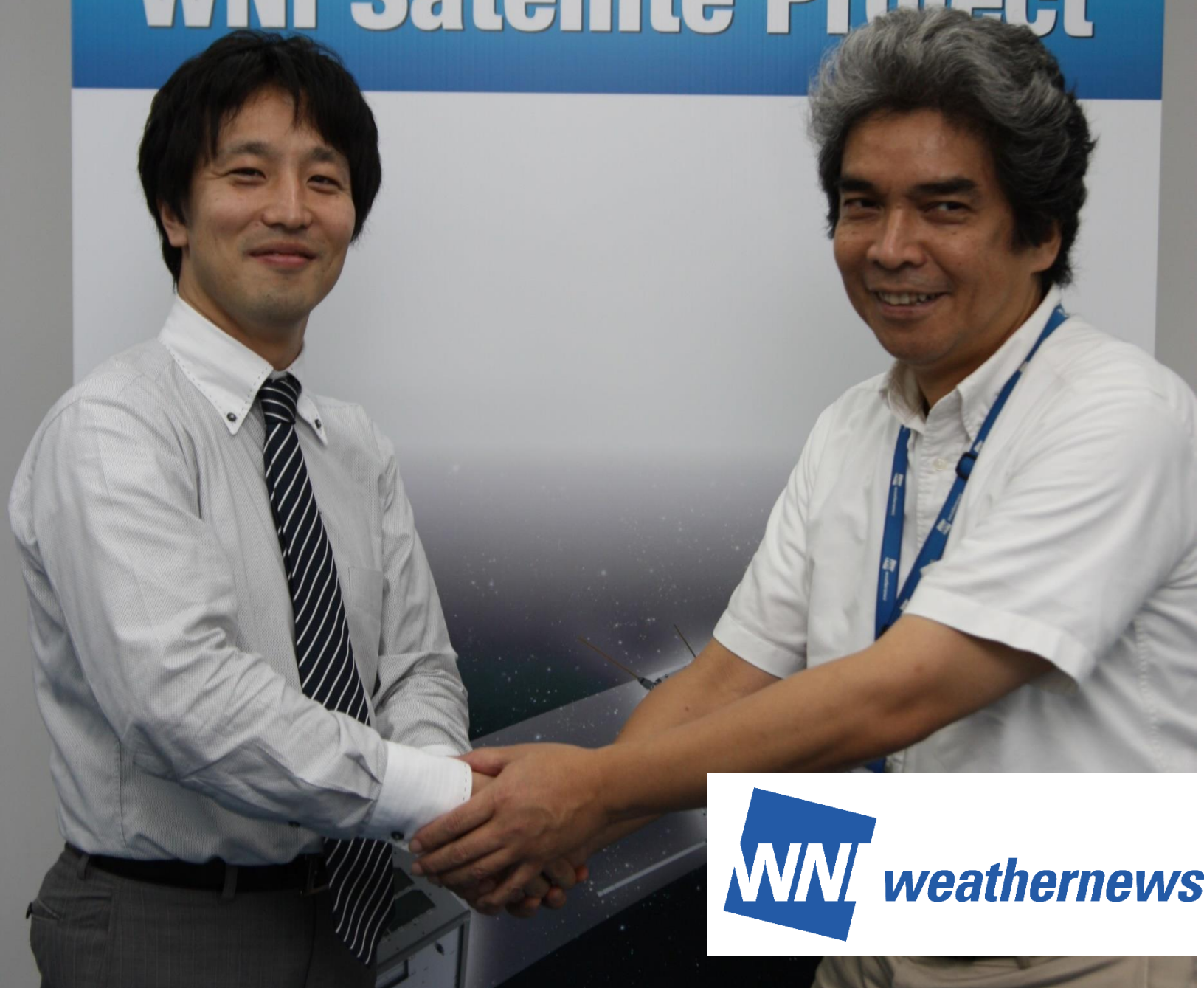
開発期間

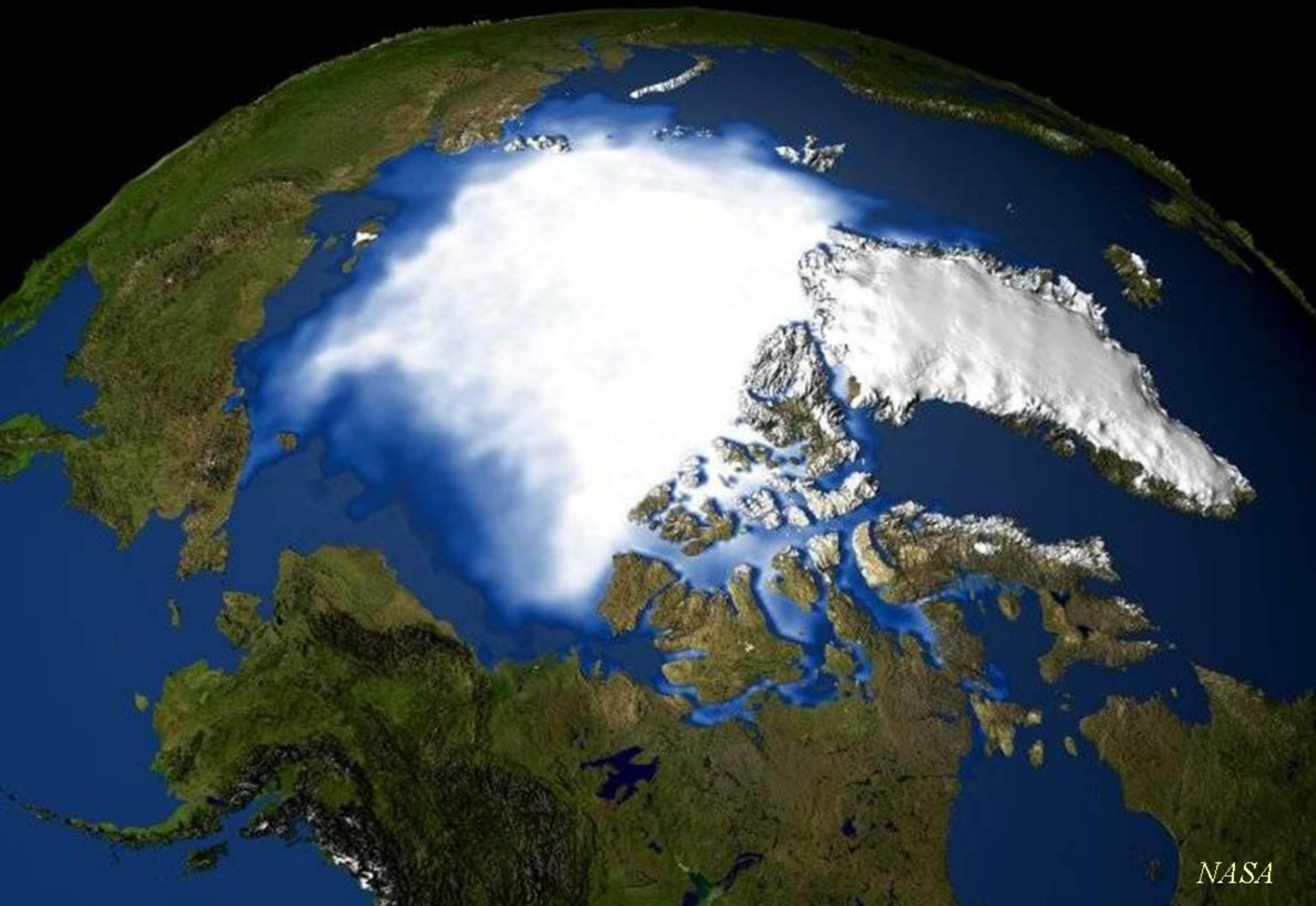
1~2年

開発コスト

3~5億円

# WNI Satellite Project



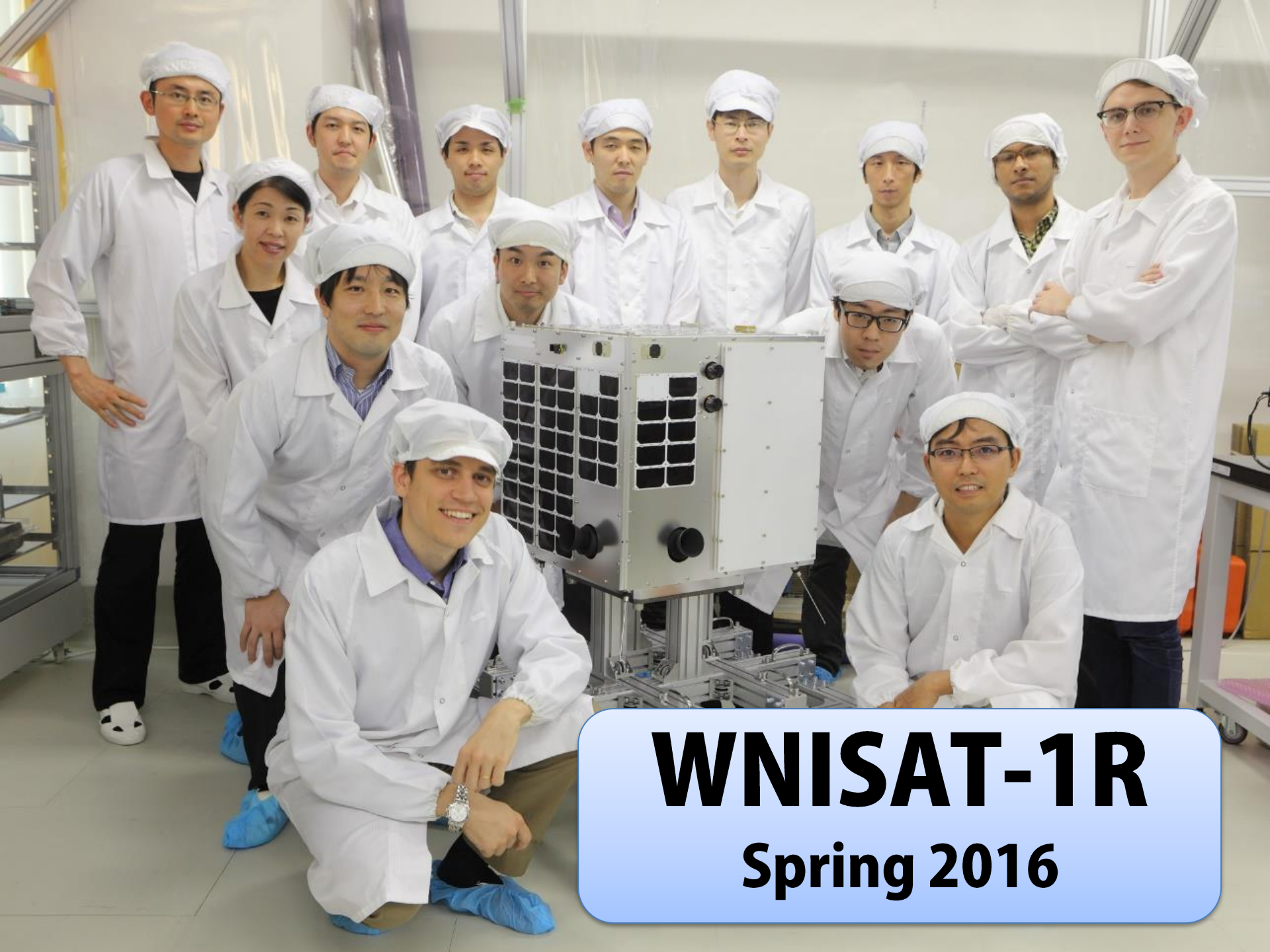


NASA



# **WNISAT-1**

**November 21, 2013**



**WNISAT-1R**

**Spring 2016**

**Our first step is...**





なっちゃん!

砂糖を加えず、カロリー30%オフ

オレンジ

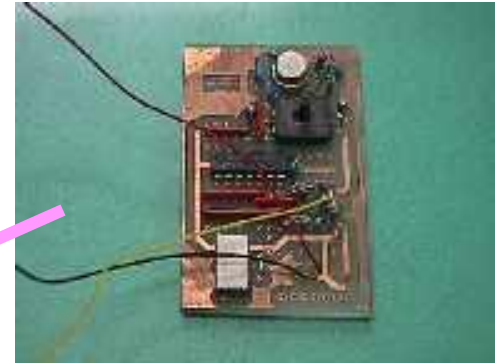
# Canned satellite?



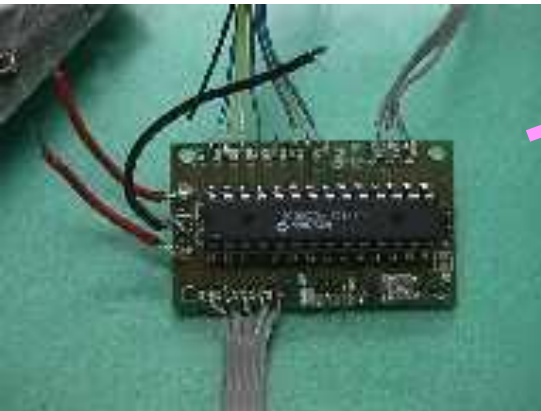
**Computer**

**Parachute**

**Battery**



**Sensor**

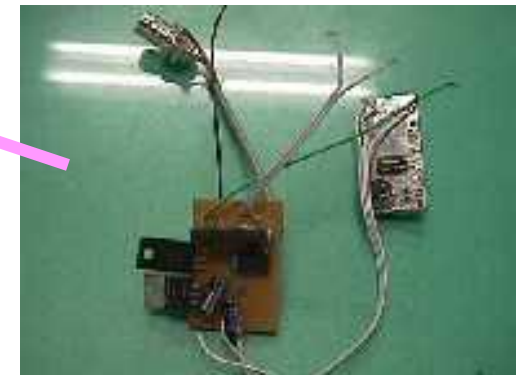


**Modem**



**350ml Aluminum can**

**Antenna**

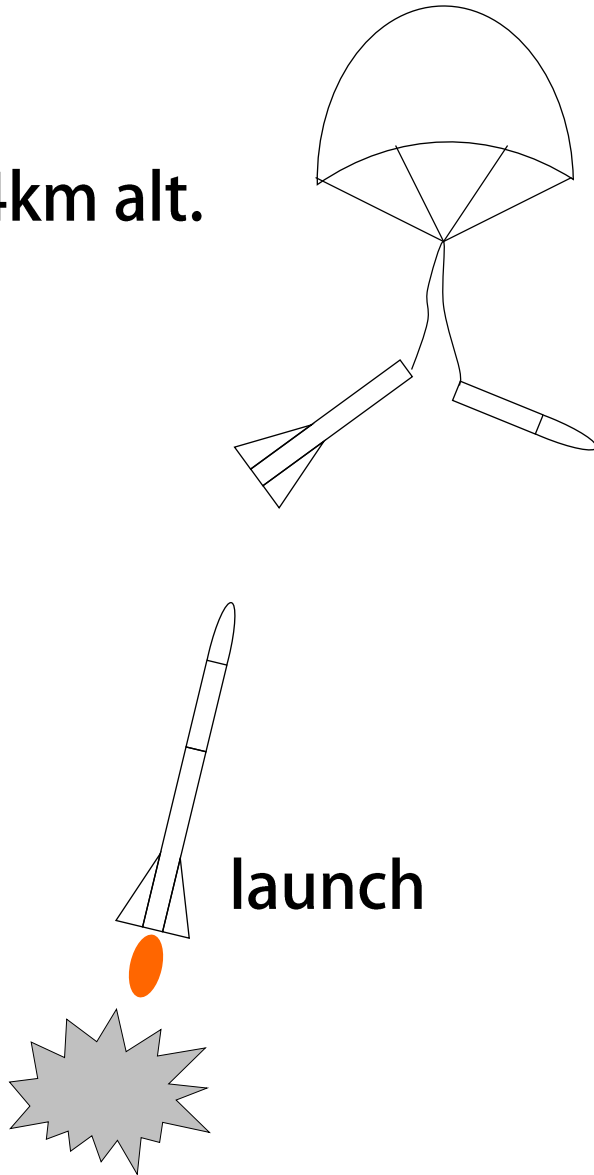


**Transmitter**

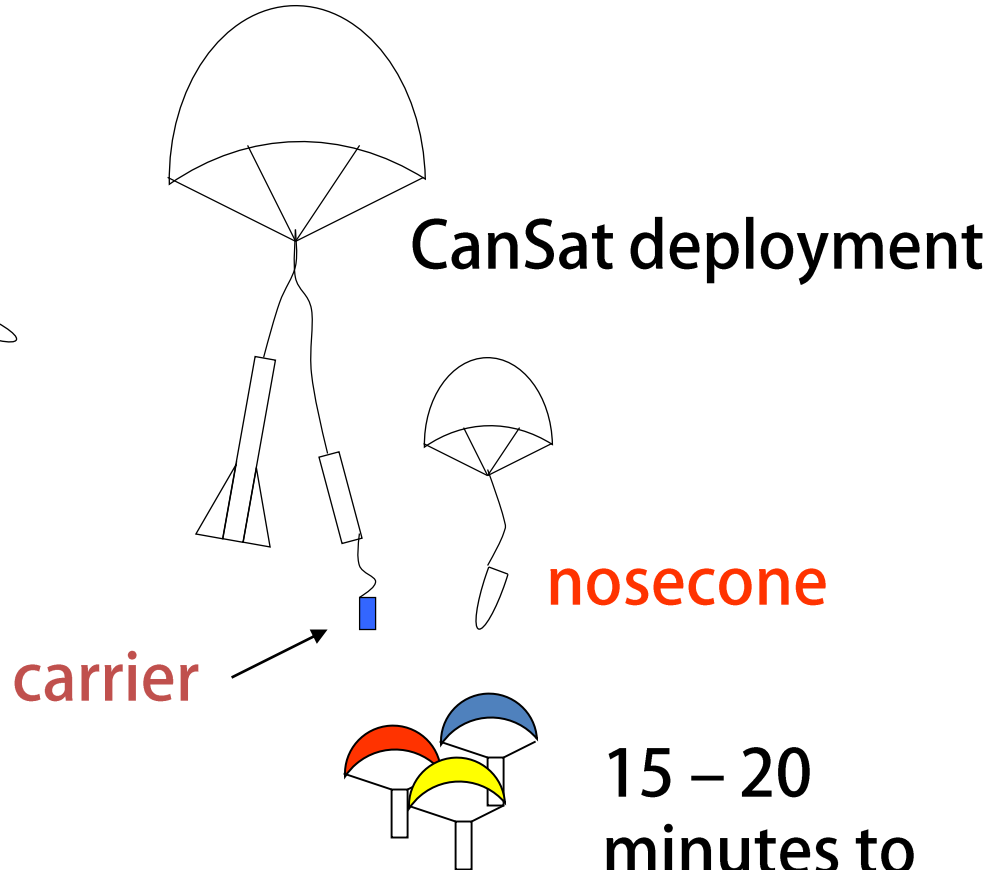
**This is a launch vehicle!**



Up to 4km alt.



launch



CanSat deployment

nosecone

carrier

15 – 20  
minutes to  
land





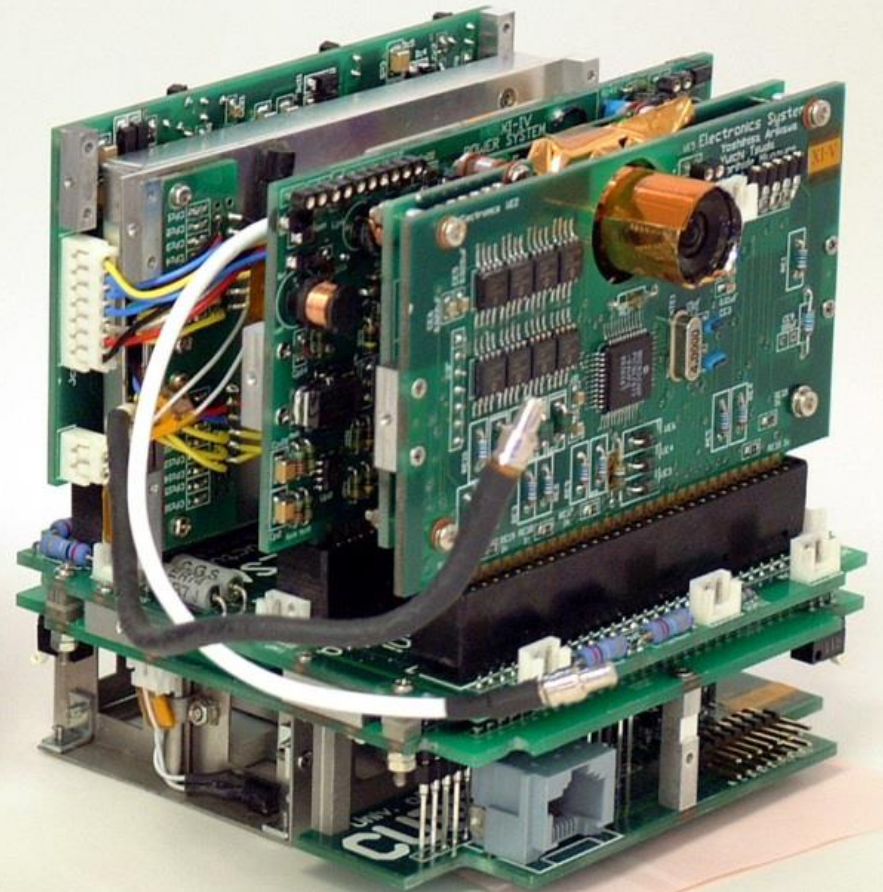
# Failed again!

But we learned a lot through failures



**次こそ、  
本当の宇宙に行く  
衛星を！**

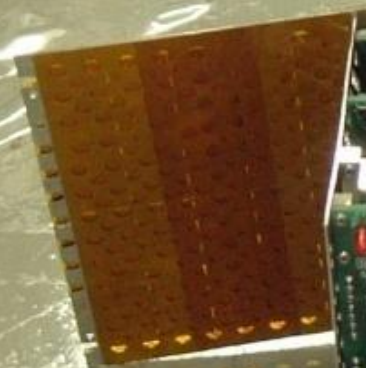
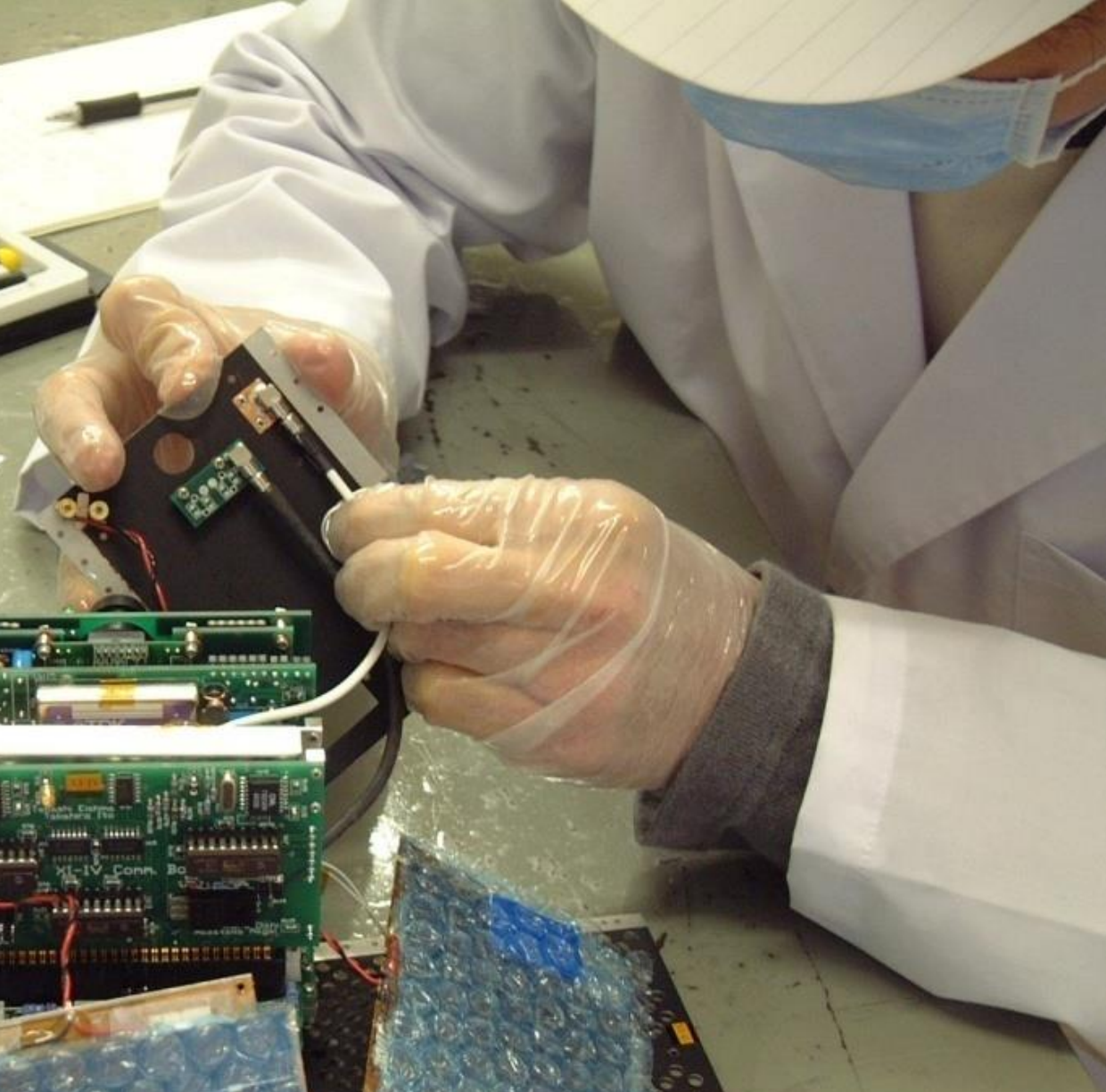




**UT's CubeSat XI**



**KIMWIPES**  
Product 5-200  
<http://wiplog.west.com/>





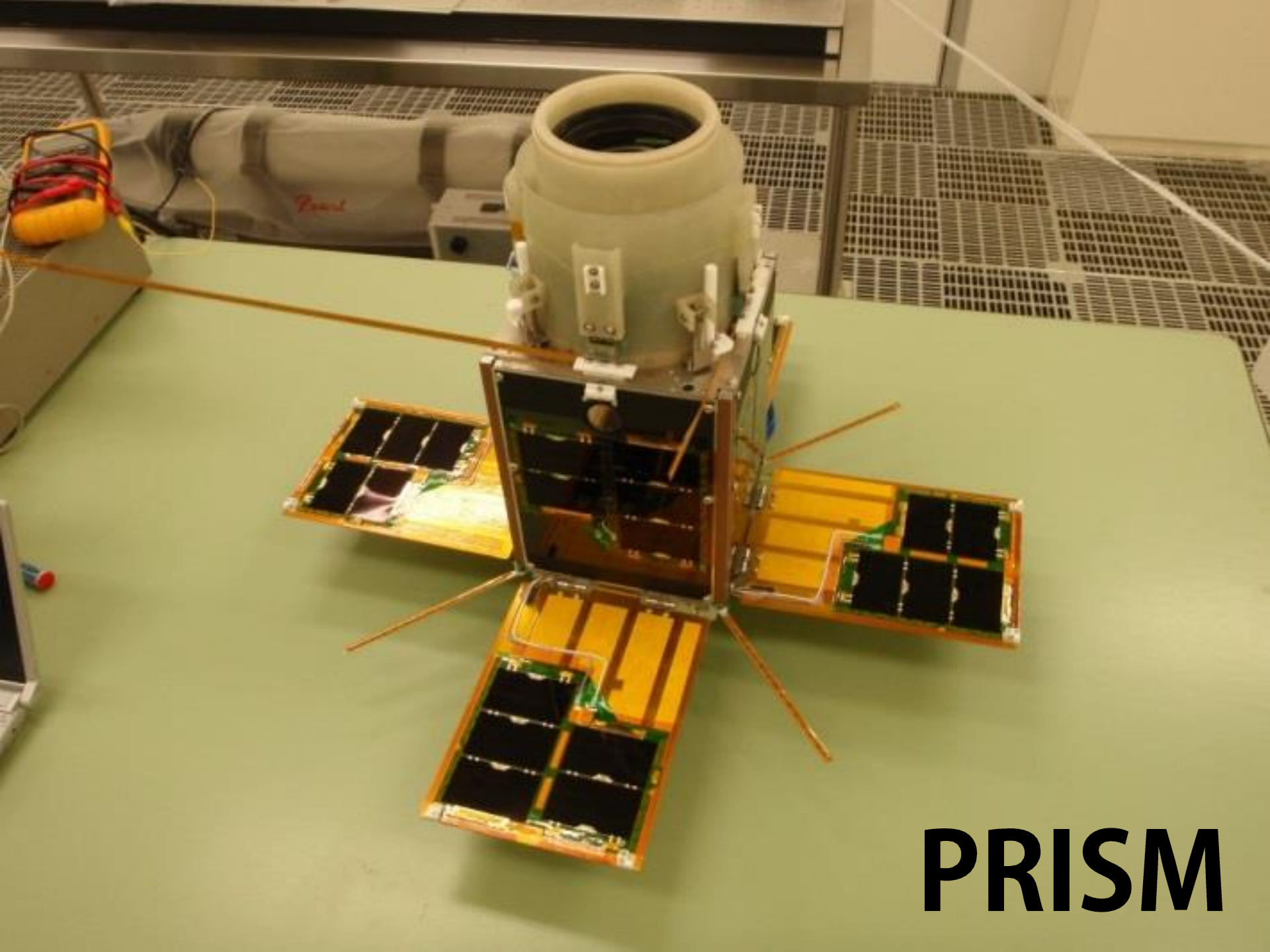


# XI Goes To Space!

June 30, 2003

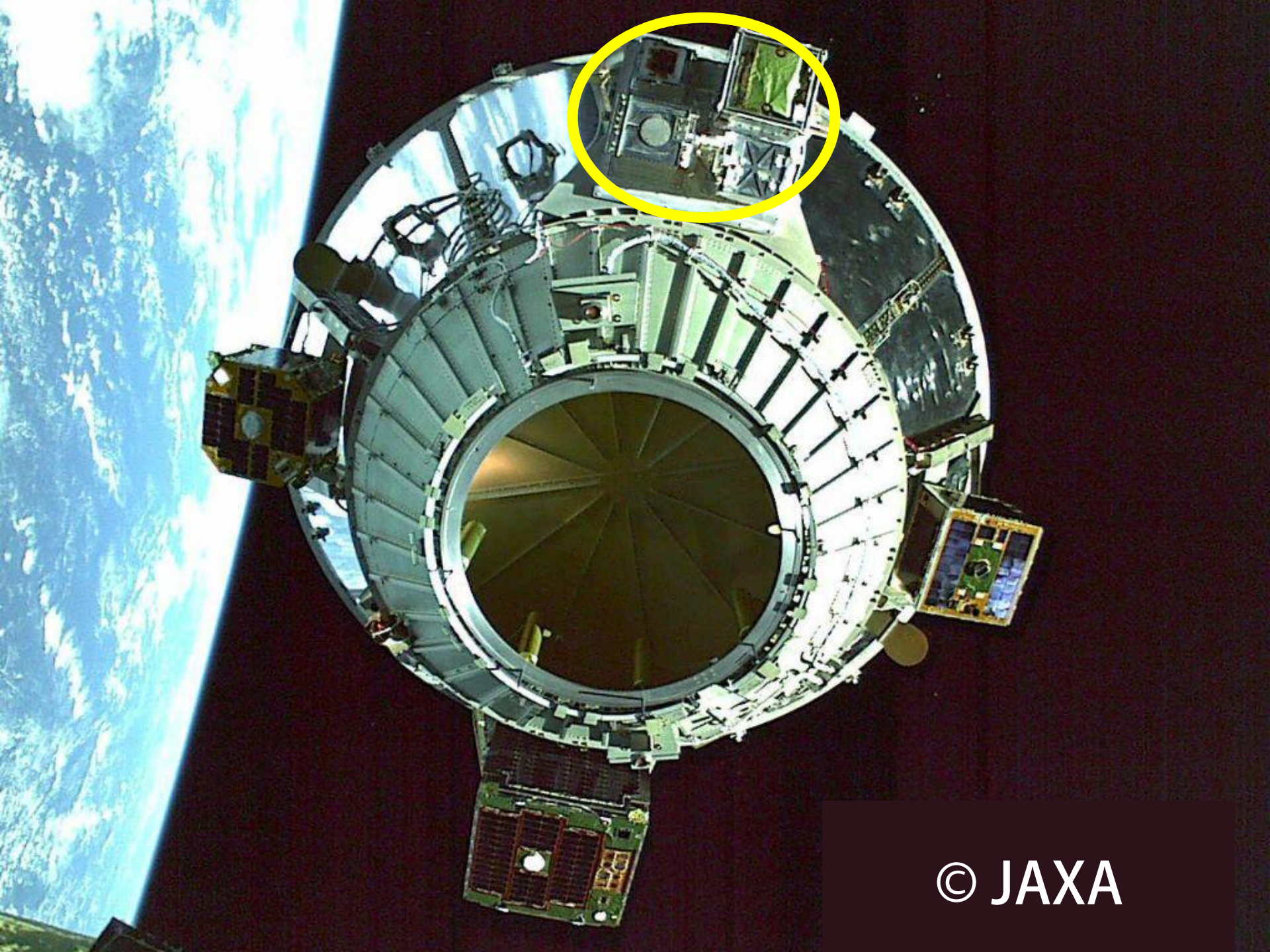




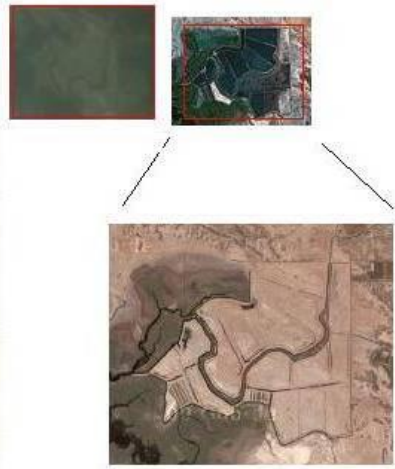
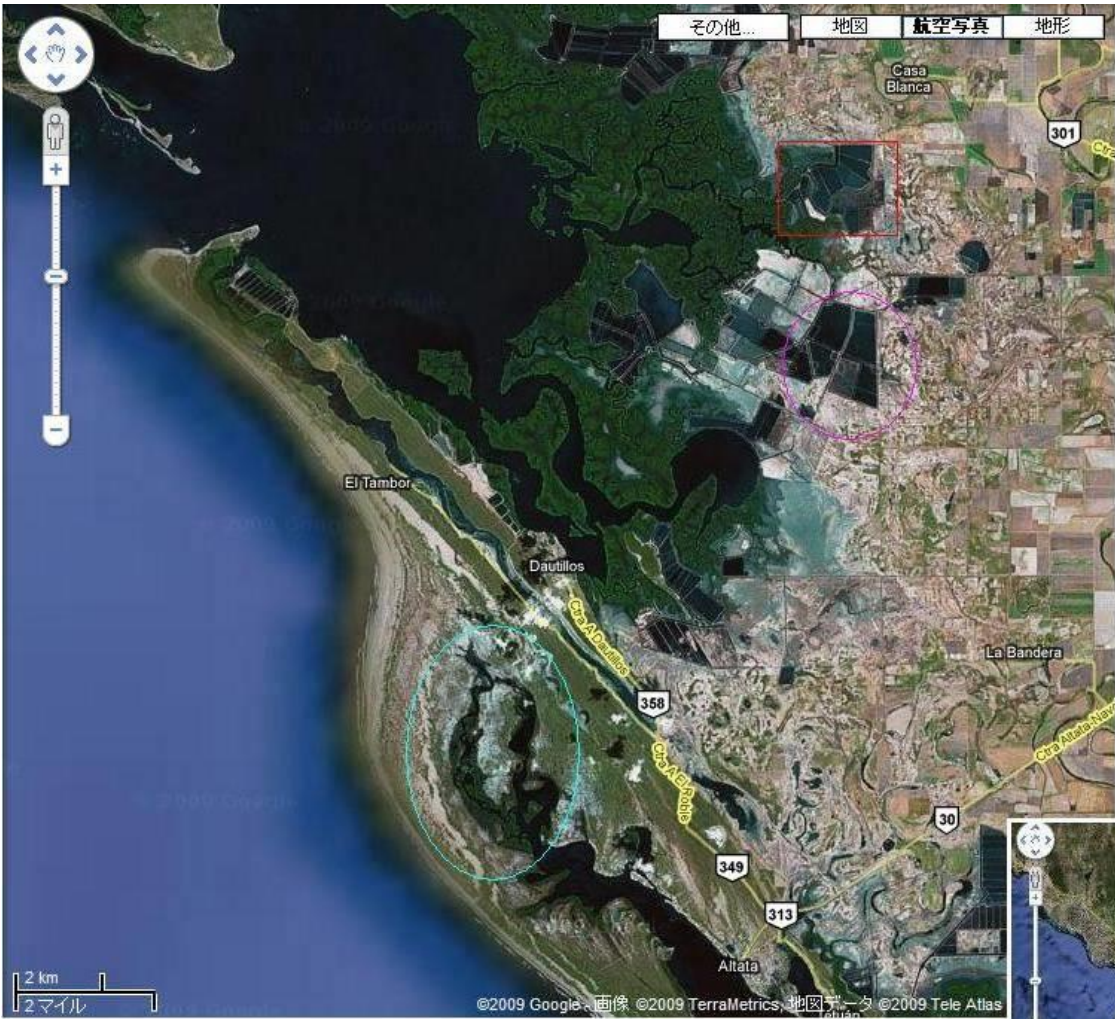


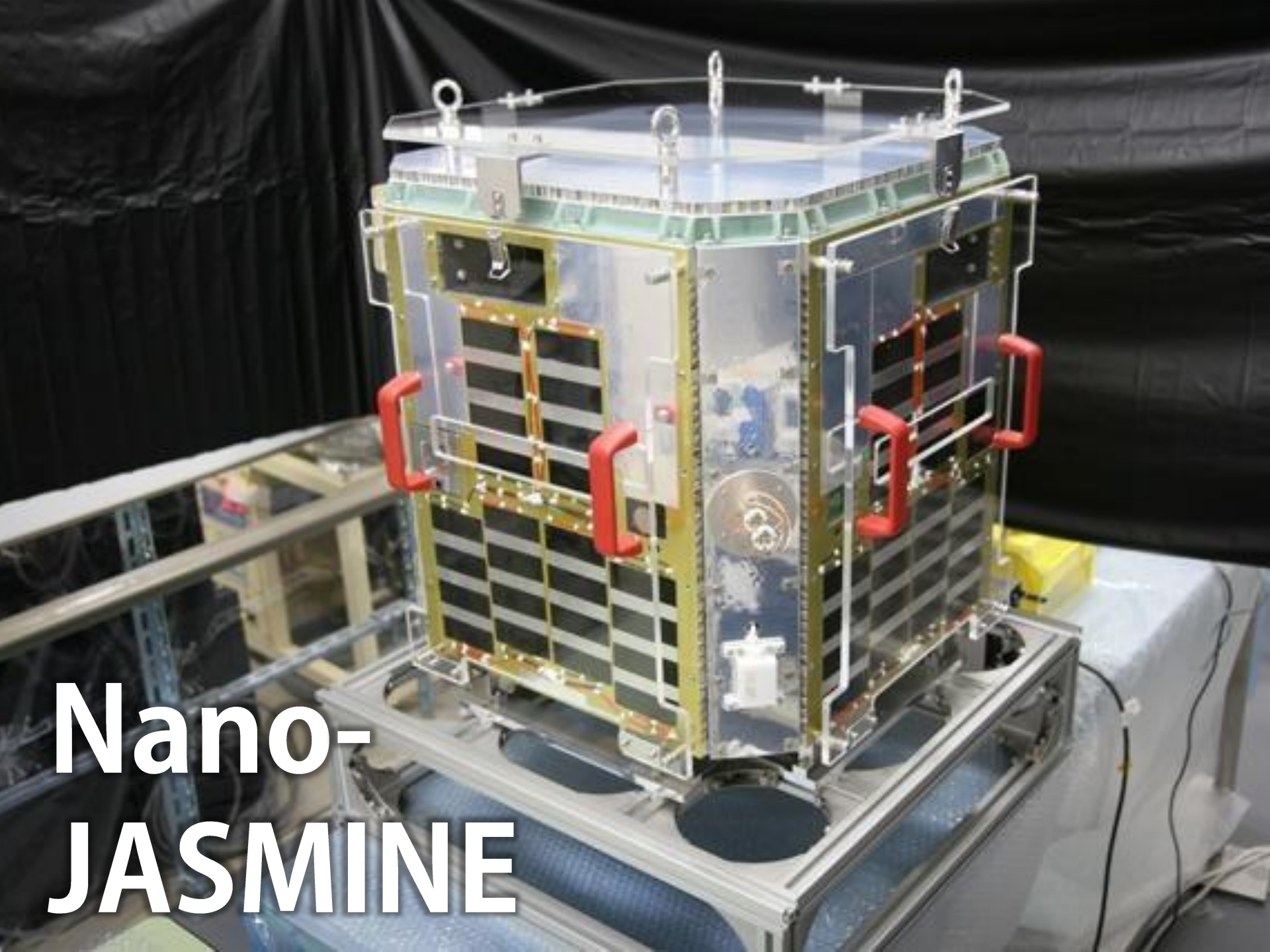
**PRISM**



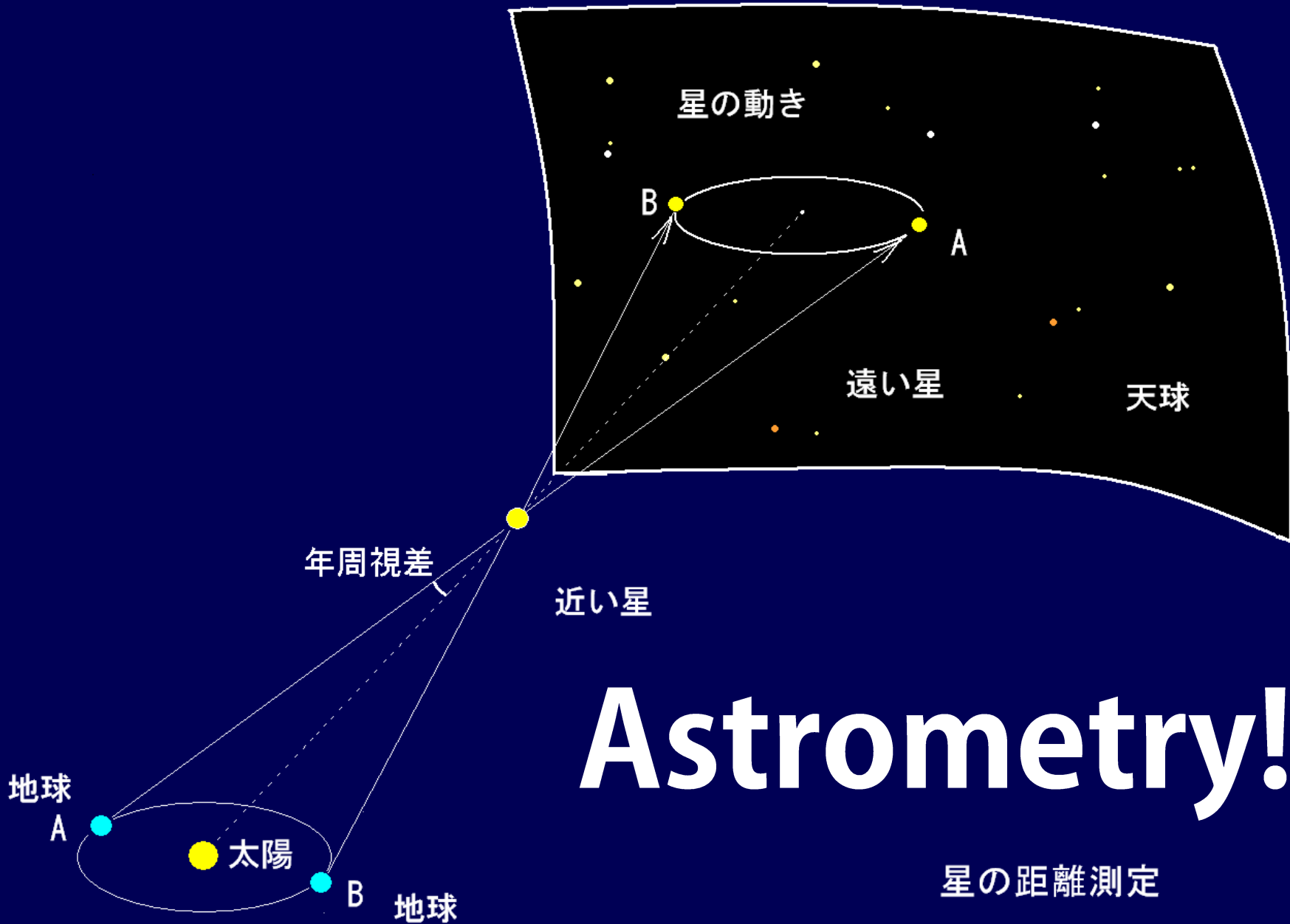


© JAXA



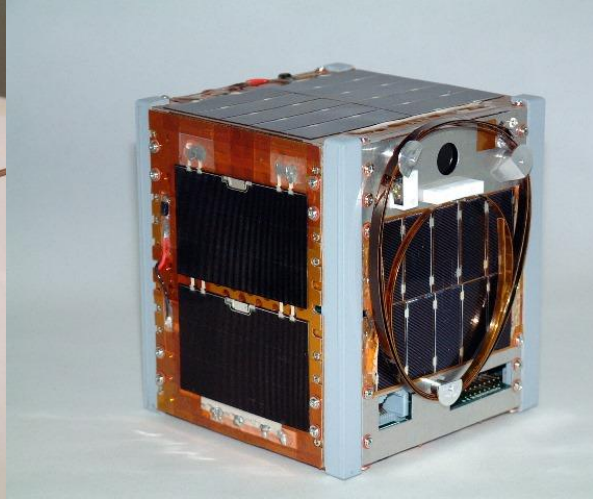
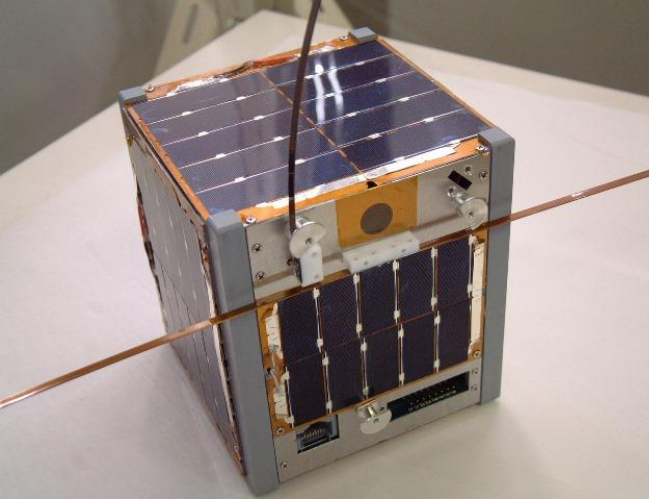


# Nano- JASMINE

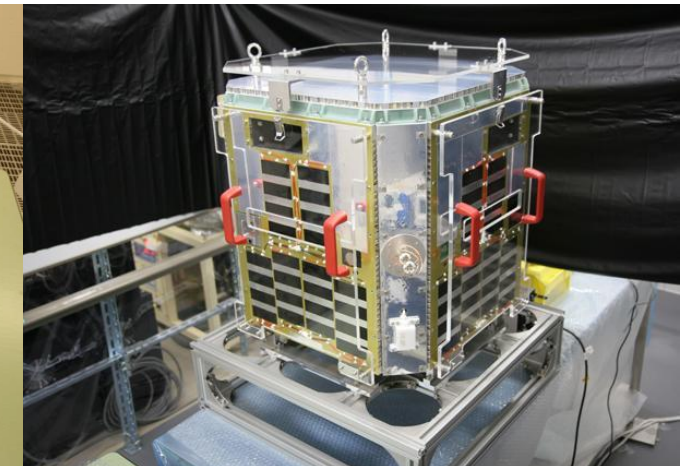
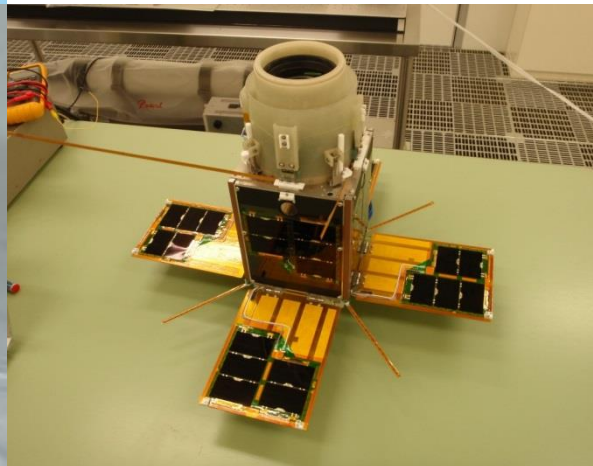


# Astrometry!

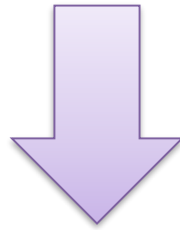
星の距離測定



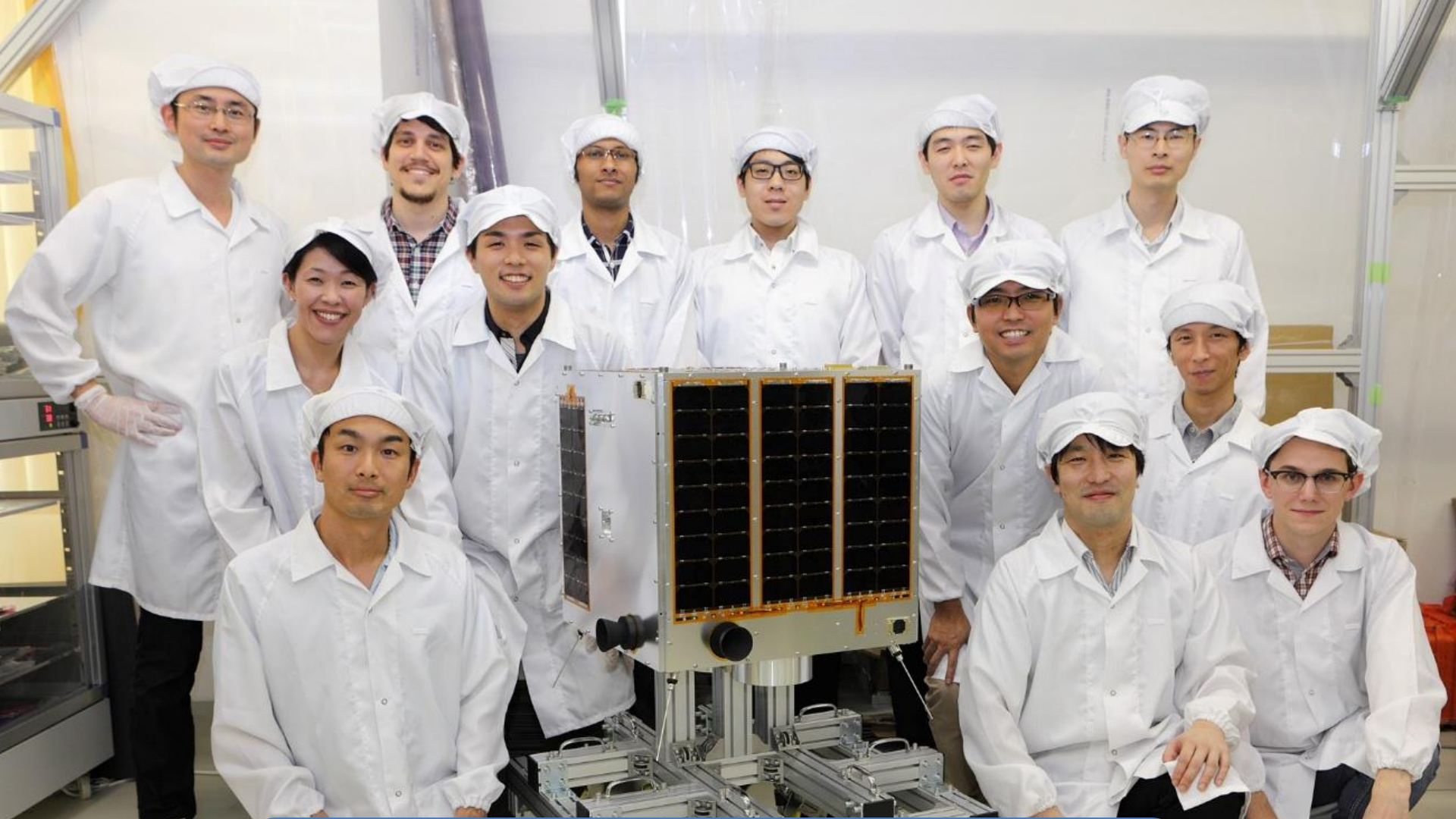
# 7 Successful Satellites



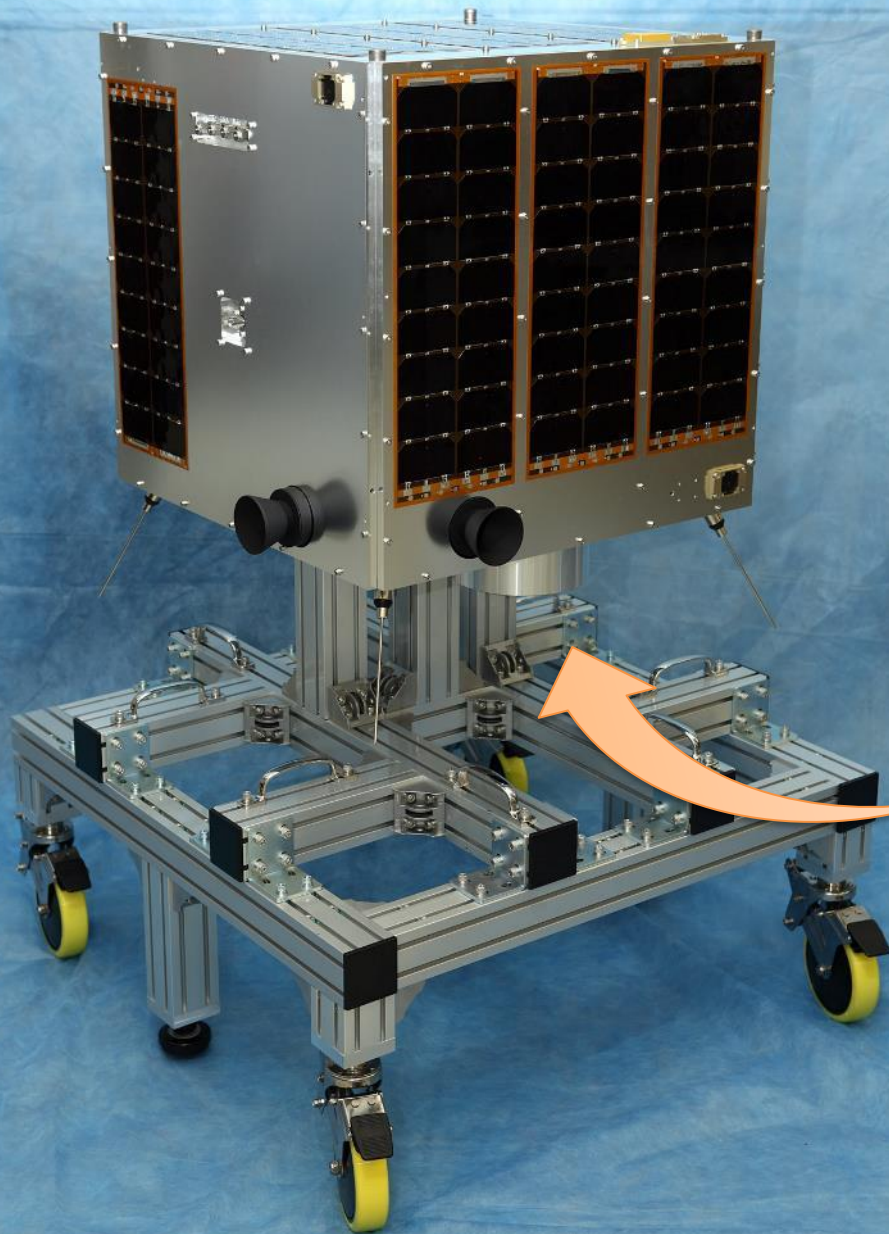
**Micro-satellites were once  
just an educational tool**



**Micro-satellites are evolving  
to become a practical tool**



**Hodoyoshi-1**  
**November 6, 2014**

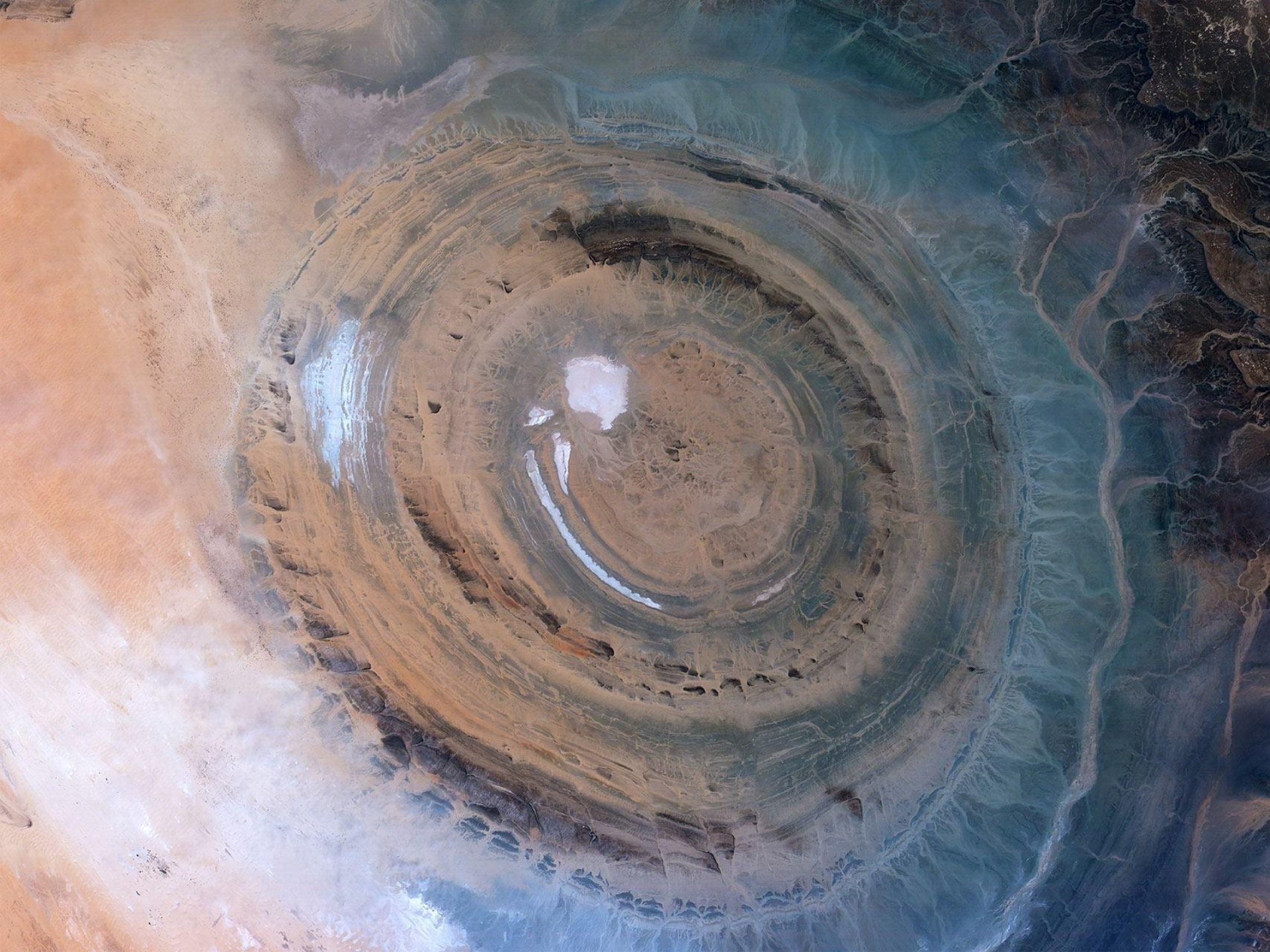


**Mission:  
Earth  
Observation**



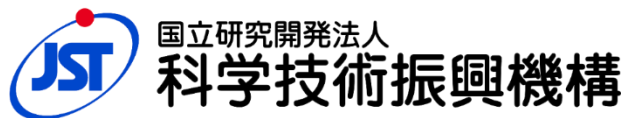








# 19億円の資金調達を実施 (2015.11)



事業会社



MITSUI & CO.



スカパー-JSAT



weathernews



# GRUS

2017

# AXELGLOBE



✓ 50機の衛星群  
✓ 世界中を毎日観測

# In 2017

3 first-gen satellites  
will be launched

# In 2022

AxelGlobe completes  
with 50 satellites





Sensing the world.  
Changing the future.

