

THE GOMX4 SATELLITES

GOMSPACE LUXEMBOURG SARL

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GOMSPACE

SUBSYSTEMS



- SOFTWARE
- SOLAR PANELS
- EPS
- BATTERY
- COMMUNICATION
- COMPUTERS
- ADCS
- STRUCTURES
- PROPULSION
- GROUND STATIONS

PAYLOADS



- SOFTWARE DEFINED RADIO
- ANTENNAS 0-40 GHZ
- AIS & ADS-B TRACKING
- COMMUNICATION

PLATFORMS



- SIZE: 1-64U
- FLEXIBLE CONFIGURATIONS
- INTER-SATELLITE LINKING
- ACTIVE STATION KEEPING

CONSTELLATION SERVICES



- SATELLITE OPERATIONS
- NETWORK MANAGEMENT
- DATA DISTRIBUTION

SUPPORT ELEMENTS



- LAUNCH PROCUREMENT
- REGULATORY AFFAIRS
- INSURANCE

GOMSPACE
NORTH AMERICA
SUBSIDIARY
GomSpace North America LLC
Alexandria, VA

GOMSPACE
HEADQUARTER
GomSpace A/S
Aalborg East · Denmark

GOMSPACE
LUXEMBOURG
SUBSIDIARY
GomSpace Luxembourg
Luxembourg

GOMSPACE
CORPORATE GROUP
GomSpace Group
Stockholm · Sweden

NANOSPACE
A GOMSPACE COMPANY
SUBSIDIARY
NanoSpace AB
Uppsala · Sweden

GOMSPACE
ASIA
SUBSIDIARY
GomSpace ASIA Pte Ltd
Singapore · Asia

DENMARK · SWEDEN · NORTH AMERICA · ASIA · LUXEMBOURG

| GOMX4 TWIN MISSION: PAYLOADS |



GOMSPACE

Optical imaging ~30m resolution
Aerial monitoring (ADSB)
Maritime monitoring (AIS)



Danish Defence
Acquisition and Logistics Organization

GOMSPACE

Inter-Sat link
Formation flying
Active orbit control

NANOSPACE
A GOMSPACE COMPANY

Propulsion

cosine|

Hyperspectral Imager


European Space Agency

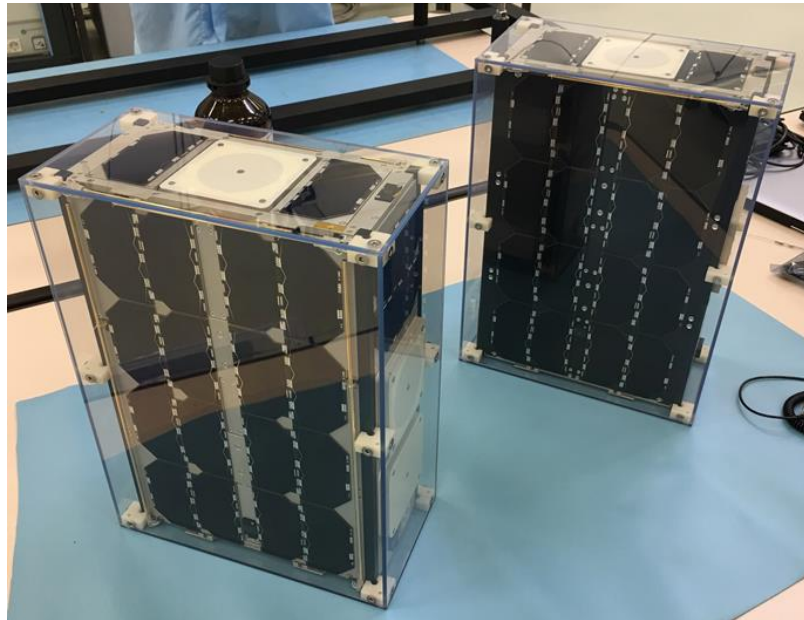
"Chimera"
Radiation Board



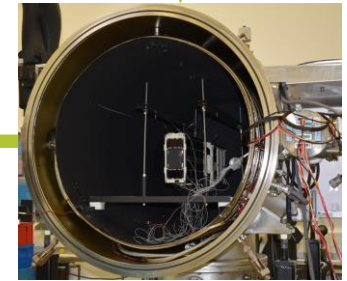
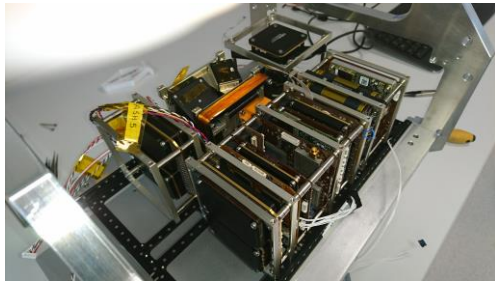
Star Tracker

| HIGHLIGHTS |

- Kick off: 8th June 2015
- Shipment from GS DK: 11th December 2017
- Launch: 2nd February 2018, 8:51 CET
- Commissioning finalized: 12th April 2018

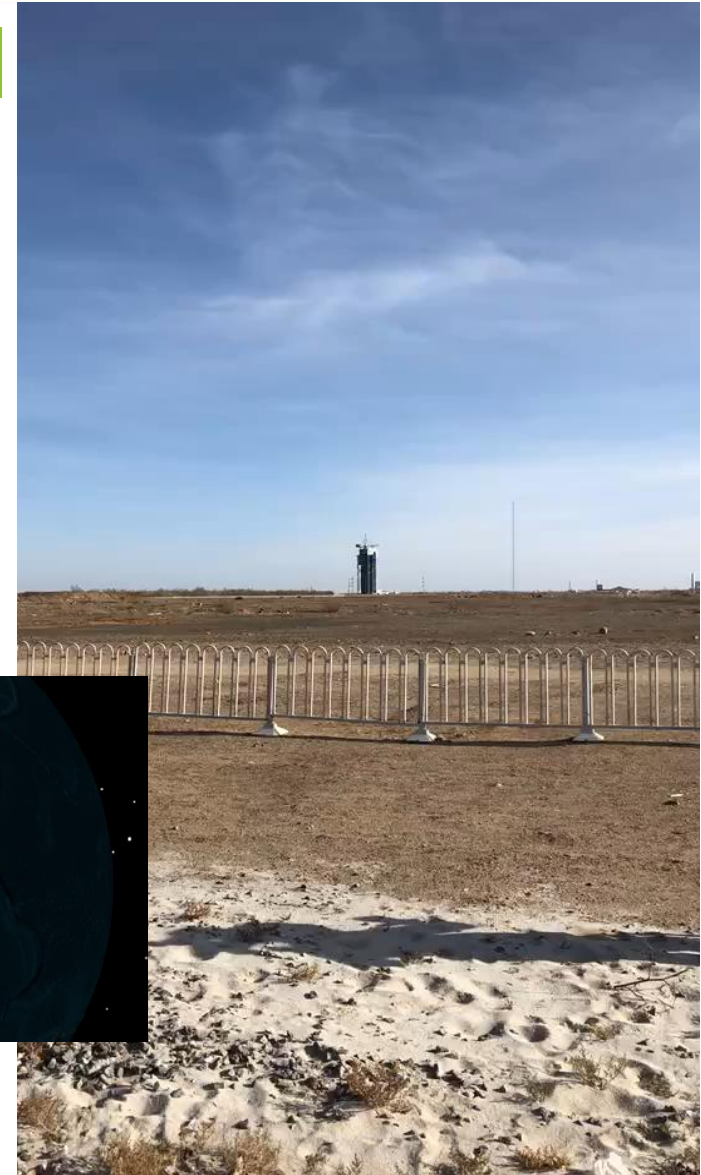


ASSEMBLY, VERIFICATION AND LAUNCH PREPARATION

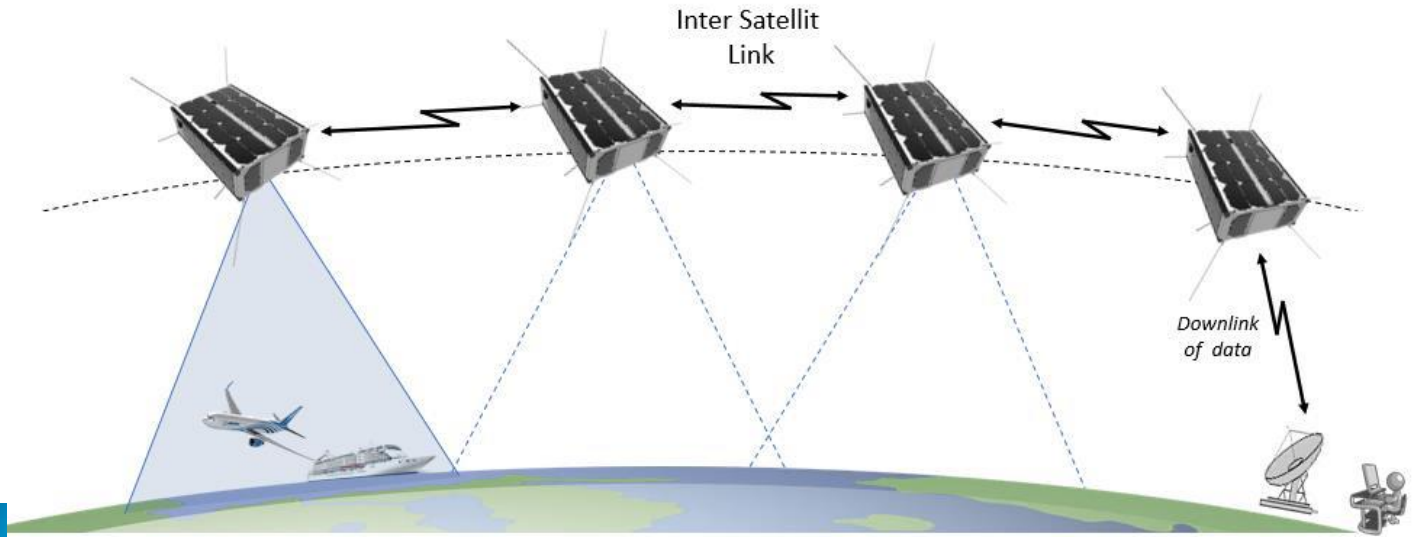


GOMX-4 MISSION LAUNCH AND ORBIT

- 2nd February 2018 08:51 CET
- From Jiuquan Satellite Launch Center, China
- Long March 2D
- Orbit:
 - Altitude 503 Km (GOMX-4B 320 m lower)
 - Inclination 97.35°
 - LTAN: 2.183 am



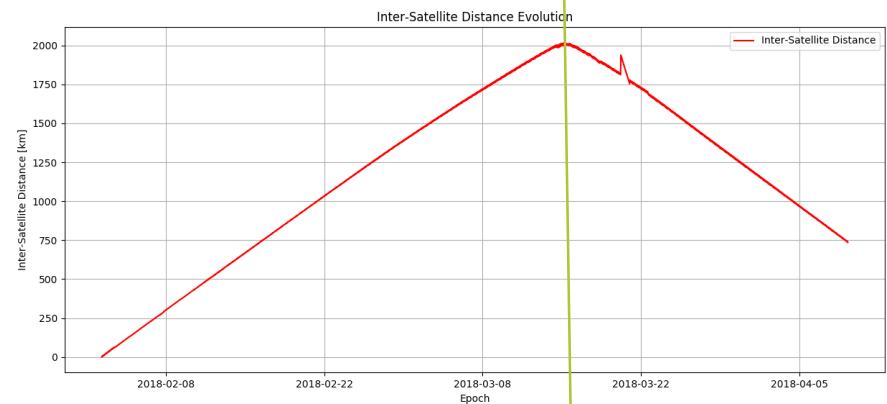
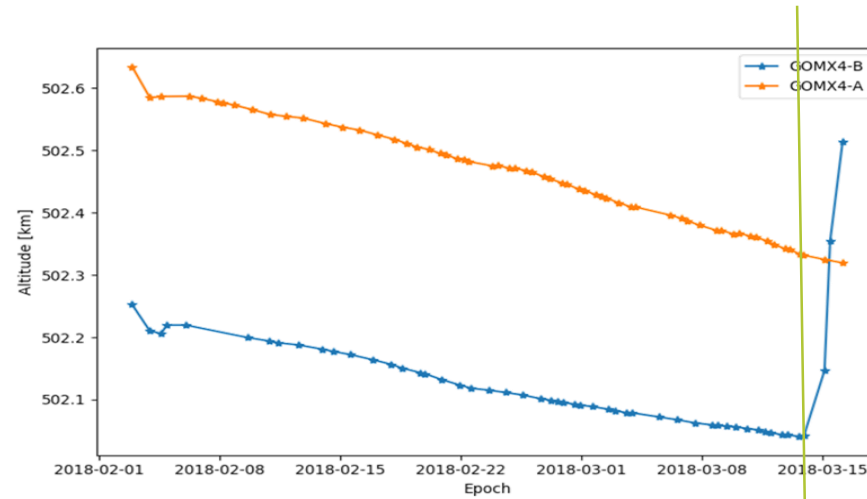
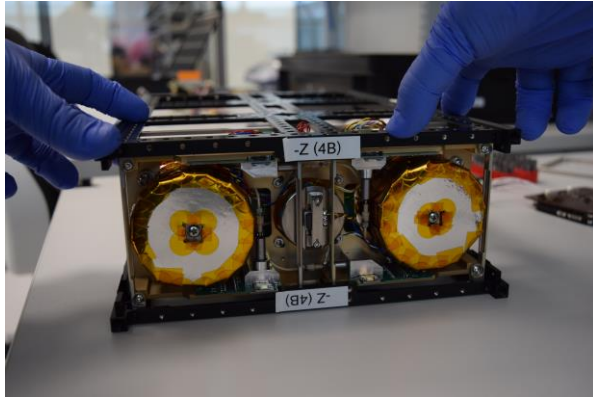
| INTER-SATELLITE COMMUNICATION |



ISL enables

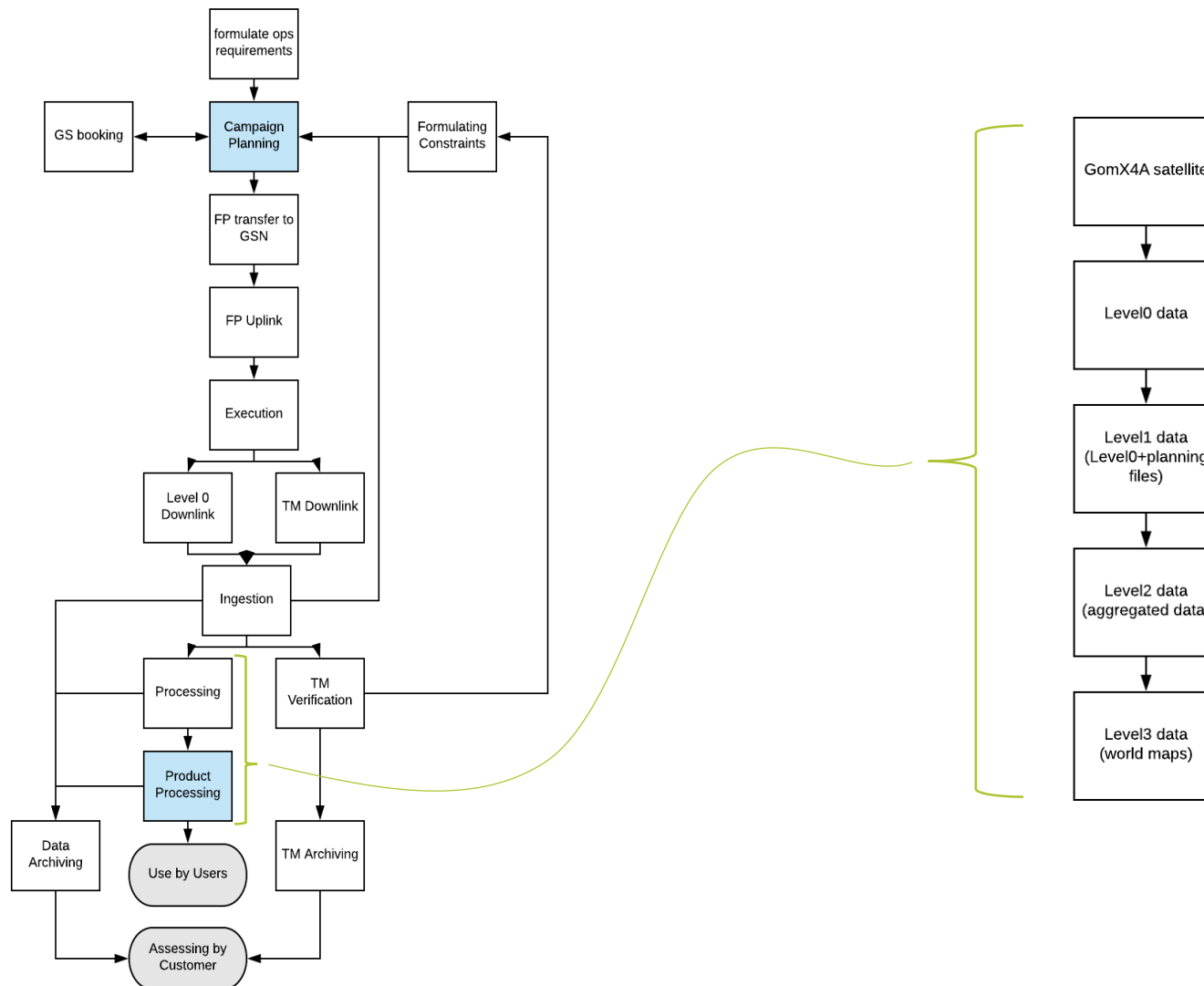
- ✓ Near real-time data and voice services
- ✓ Sat-web services
- ✓ Constellation maintenance

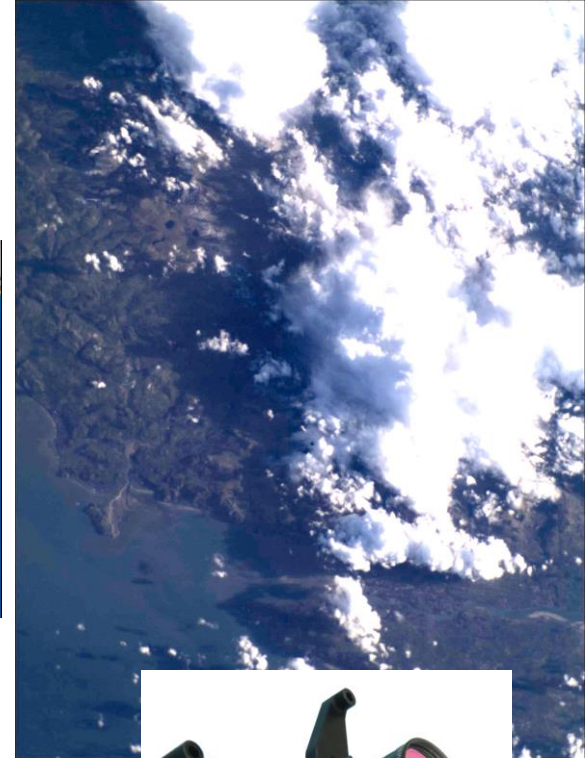
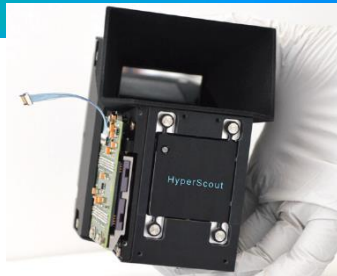
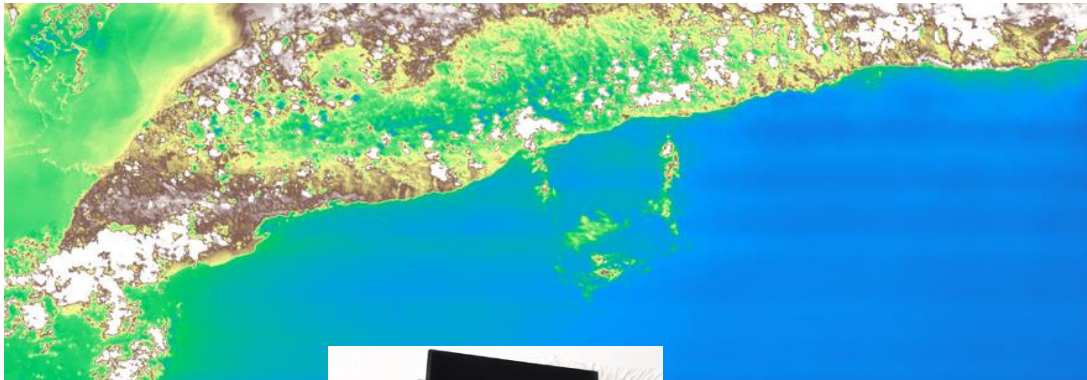
| ACTIVE ORBIT CONTROL |



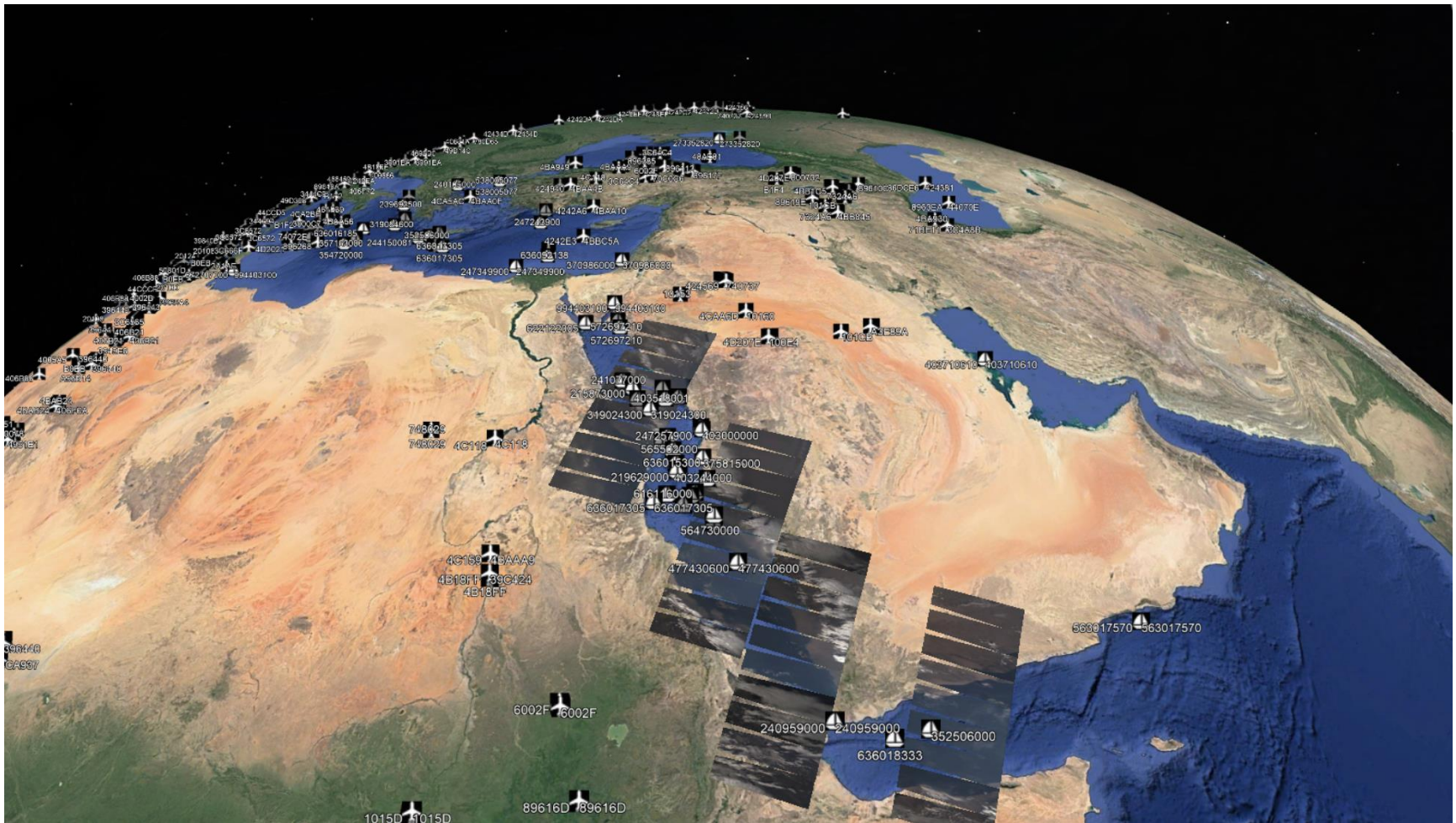
| GOMSPACE LUXEMBOURG |

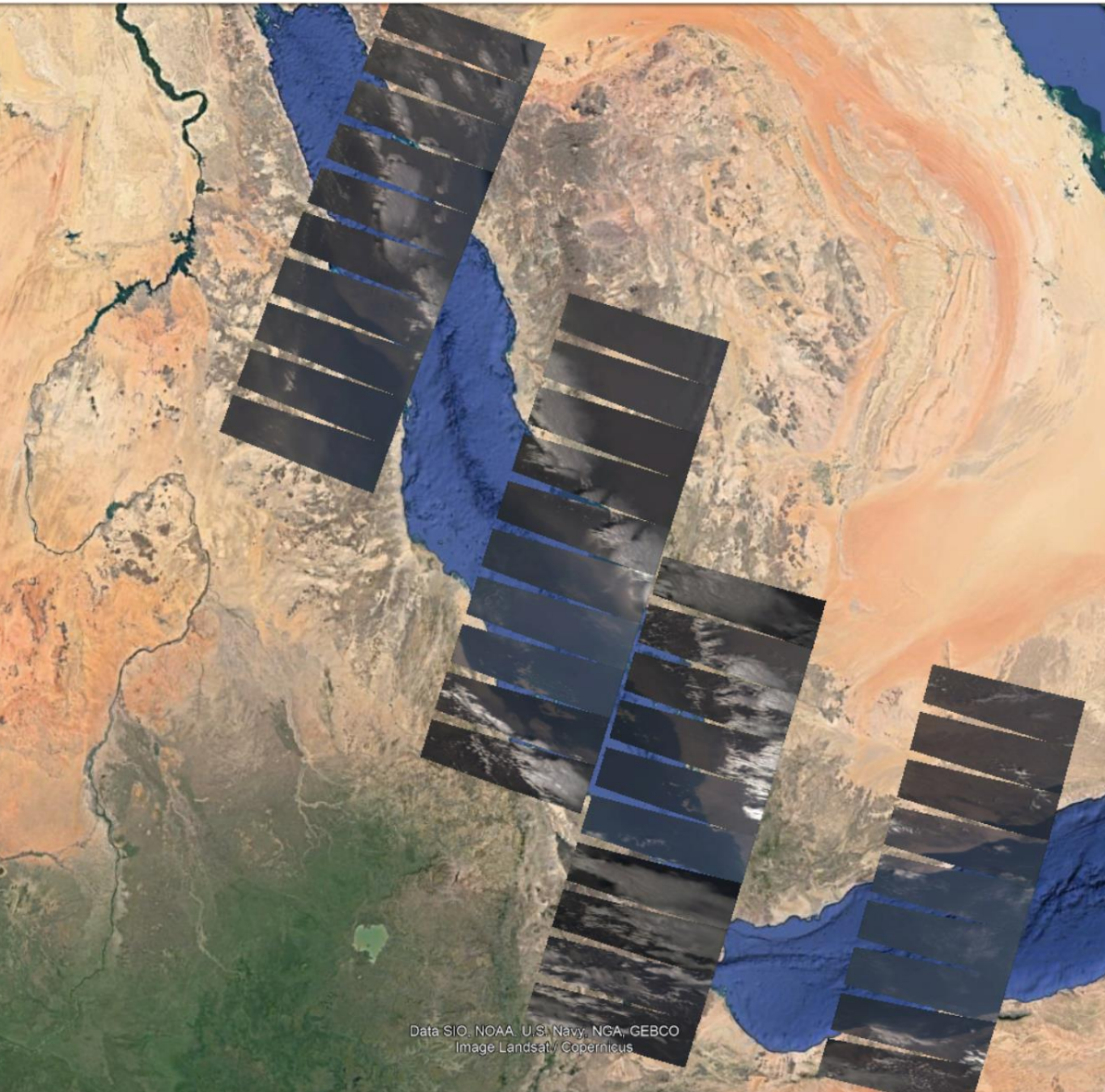






| DATA OBTAINED DURING COMMISSIONING |





Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat/Copernicus

MISSIONING |

DATA OBJECT





| CONCLUSION |

- The commissioning for the GOMX4 satellites has now been completed
- The very high potential of nanosatellites for EO and IAP is demonstrated

THANK YOU FOR YOUR INTEREST.
DO YOU HAVE QUESTIONS?