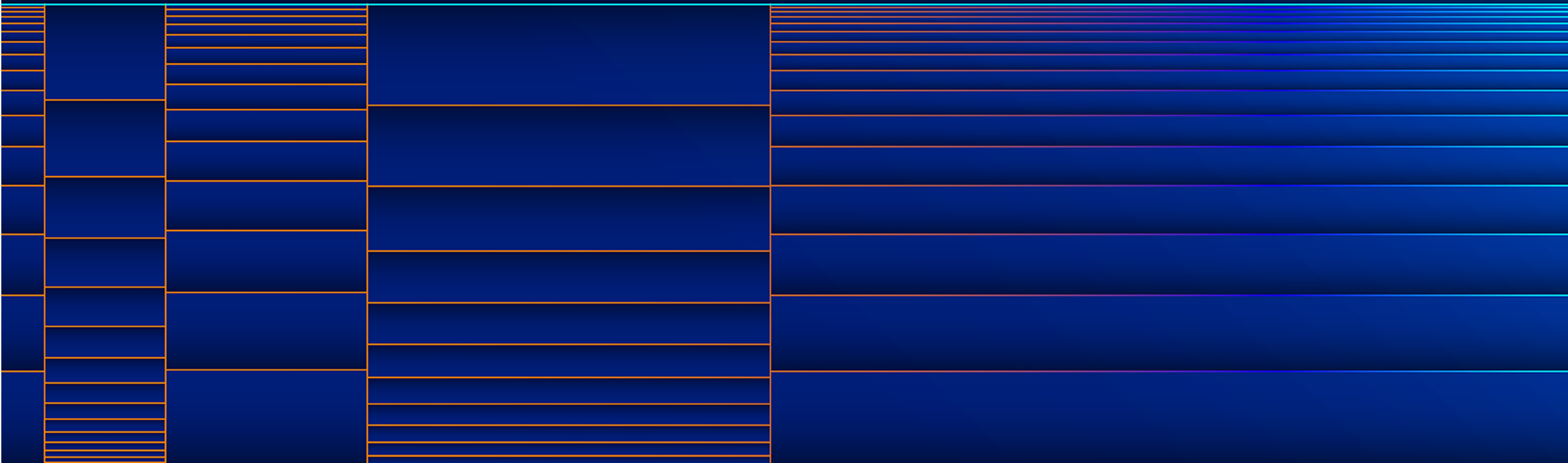


# CIÊNCIA VIVA || O ESPAÇO À QUARTA

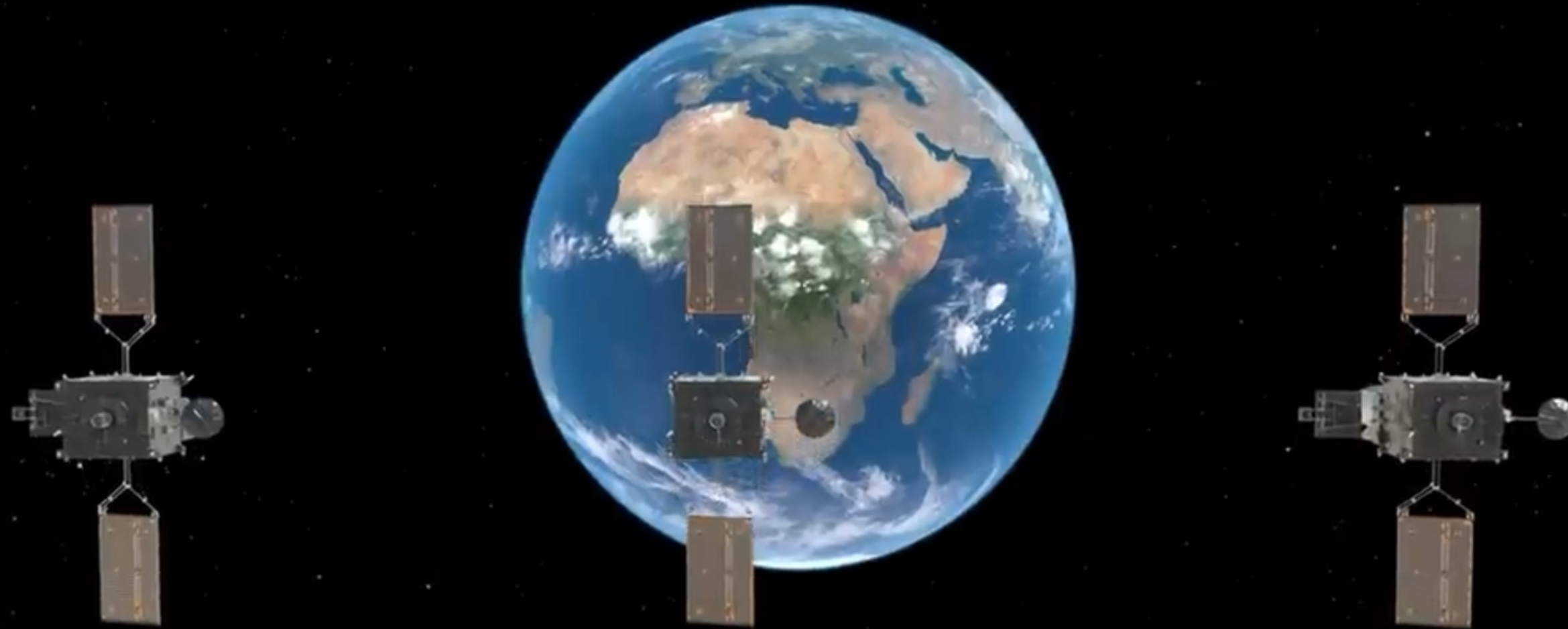
## **AWS: De volta ao Ártico em 97min**

28 Fevereiro 2024



# Órbita Geostacionária

EUMETSAT



**Meteosat Third Generation**

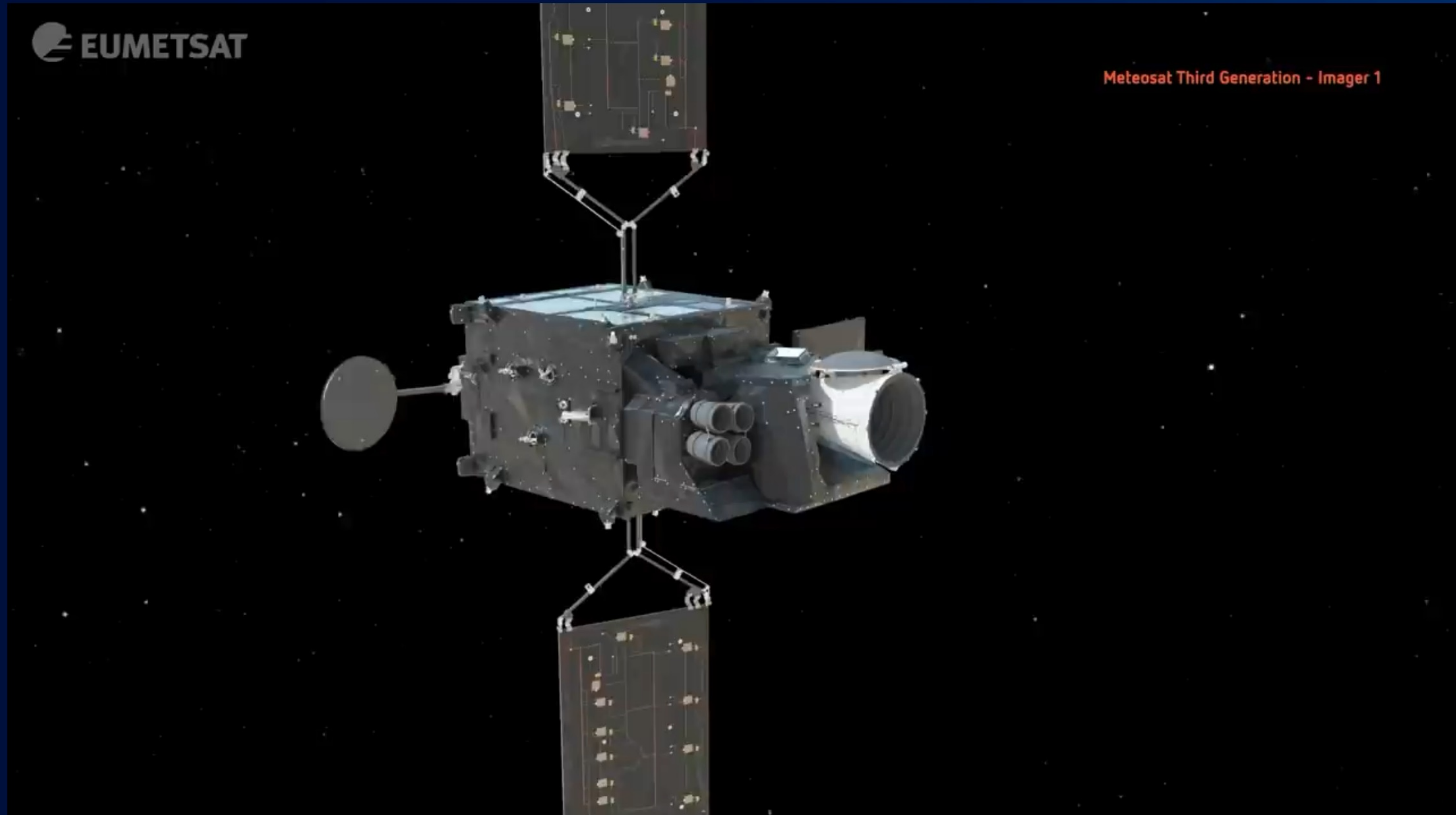
Full operational constellation: two imaging and one sounding satellite

# Órbita Geostacionária



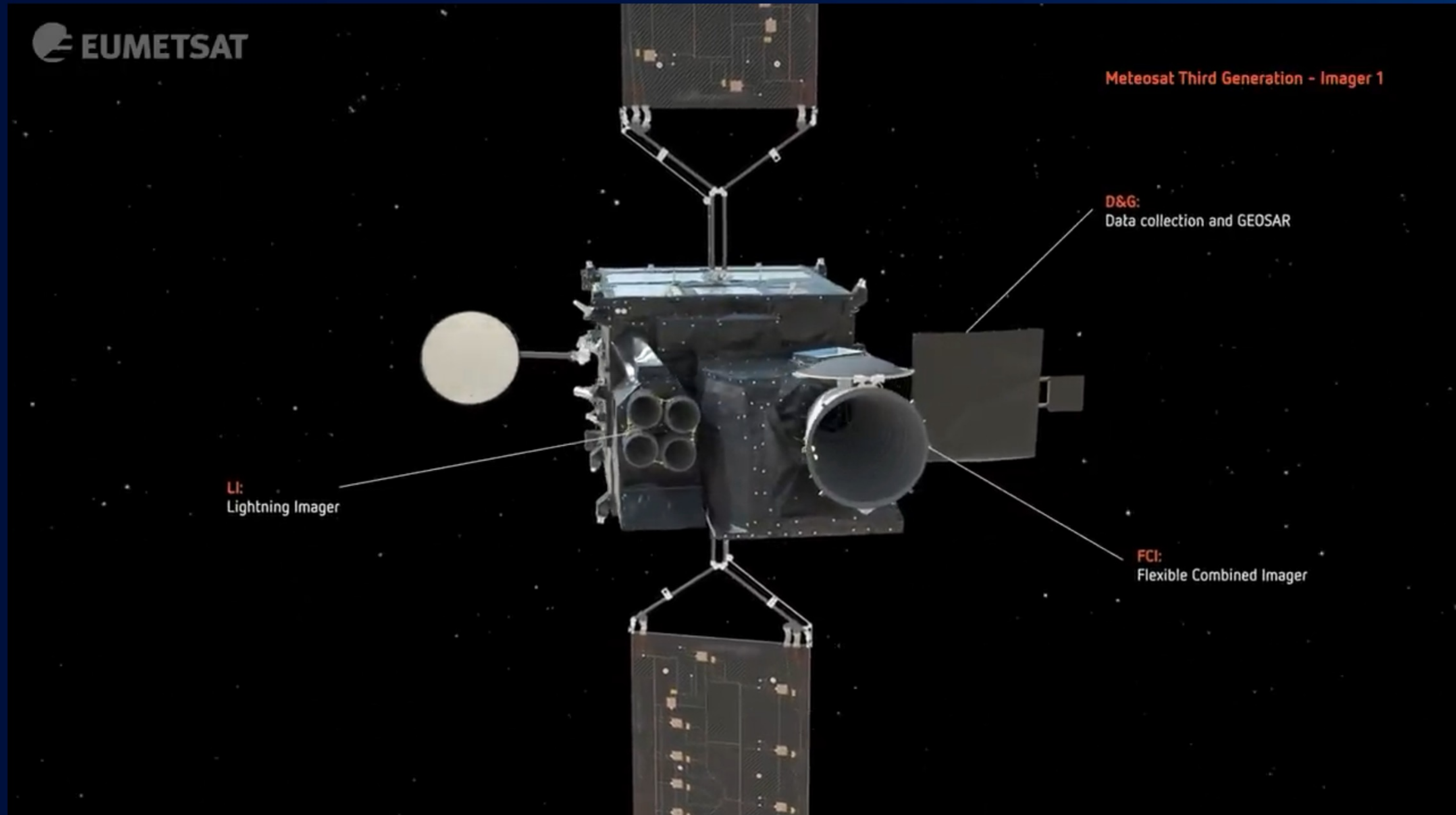


# Órbita Geostacionária

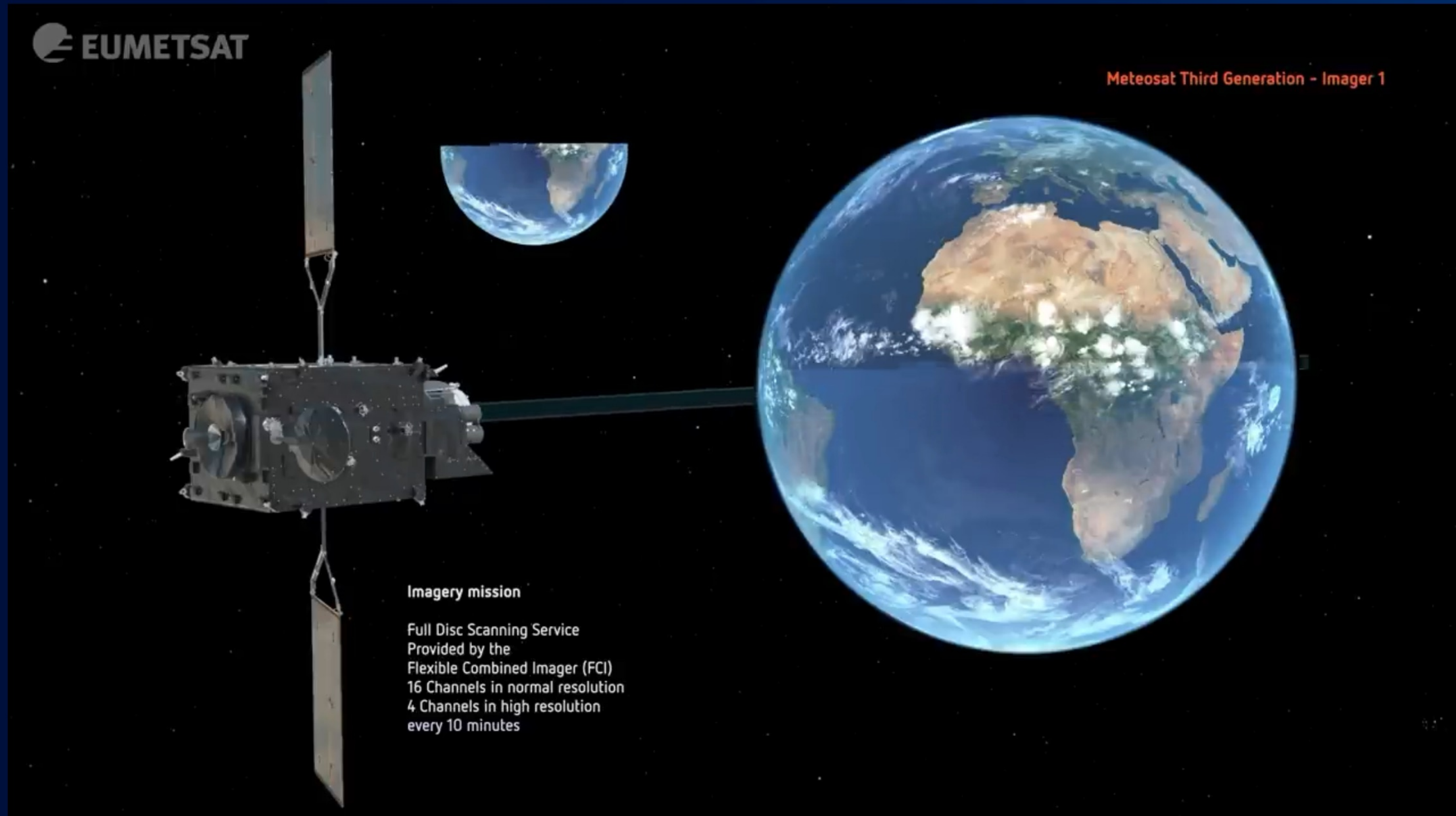




# Órbita Geostacionária

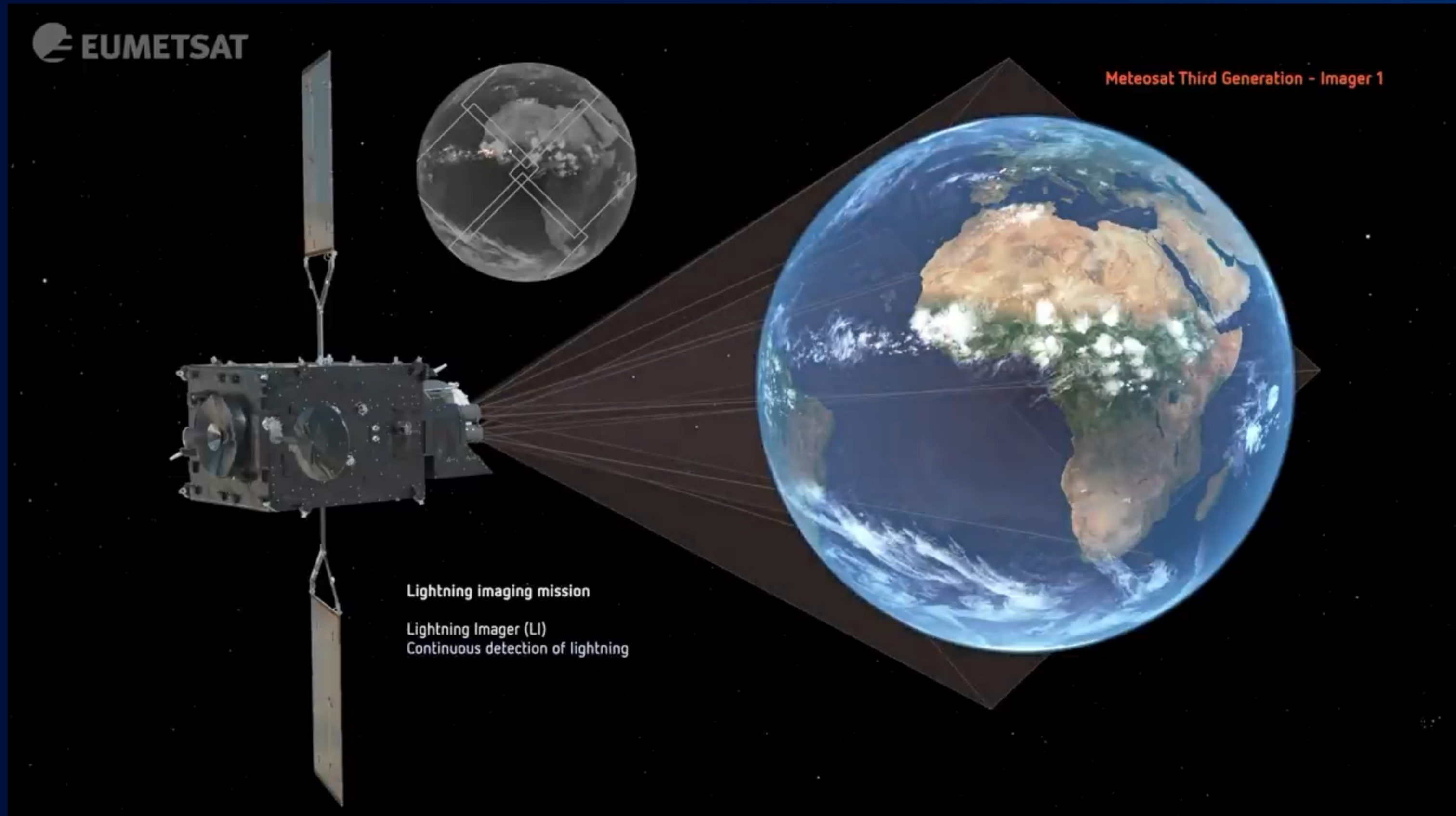


# Órbita Geostacionária



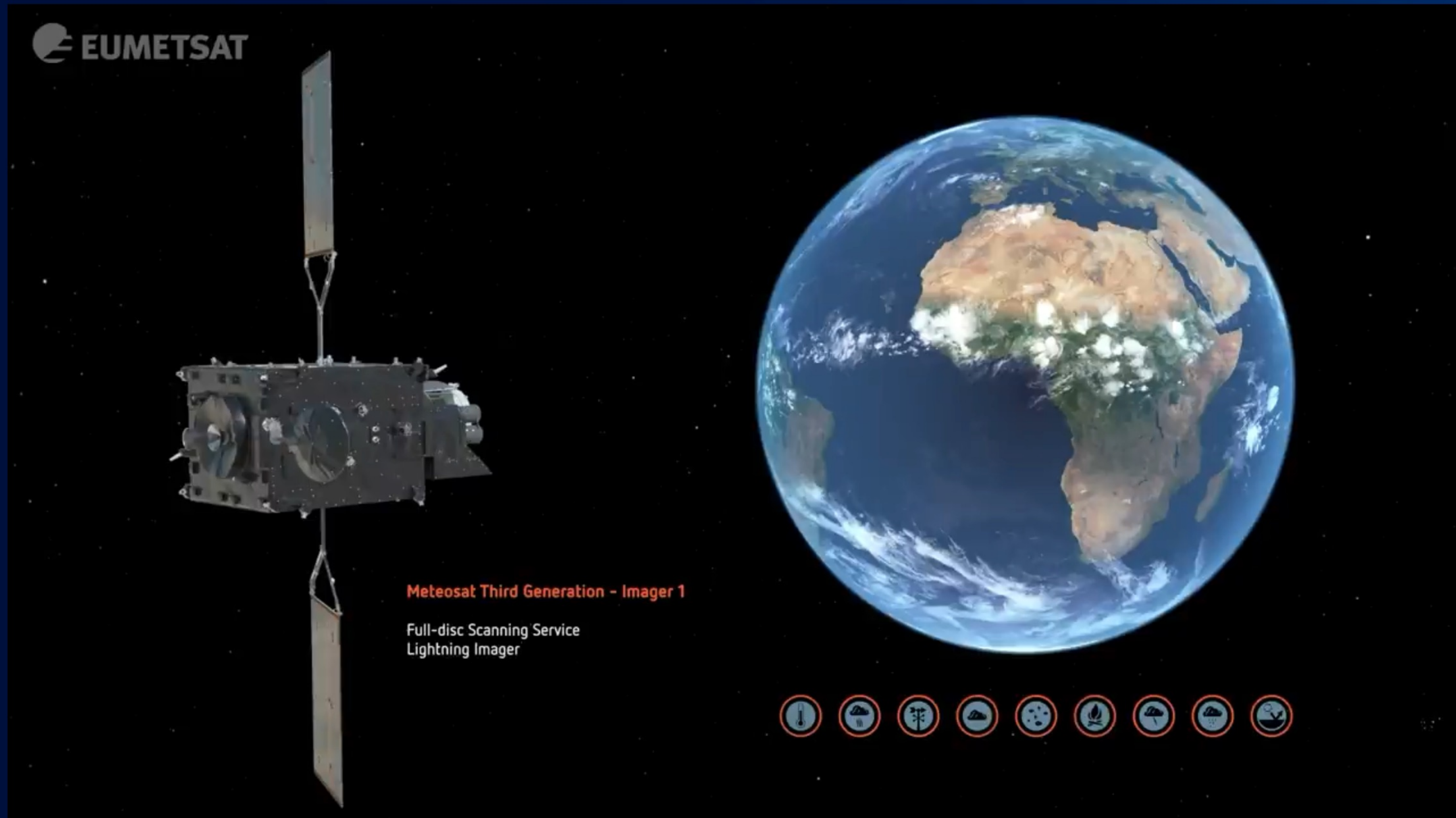


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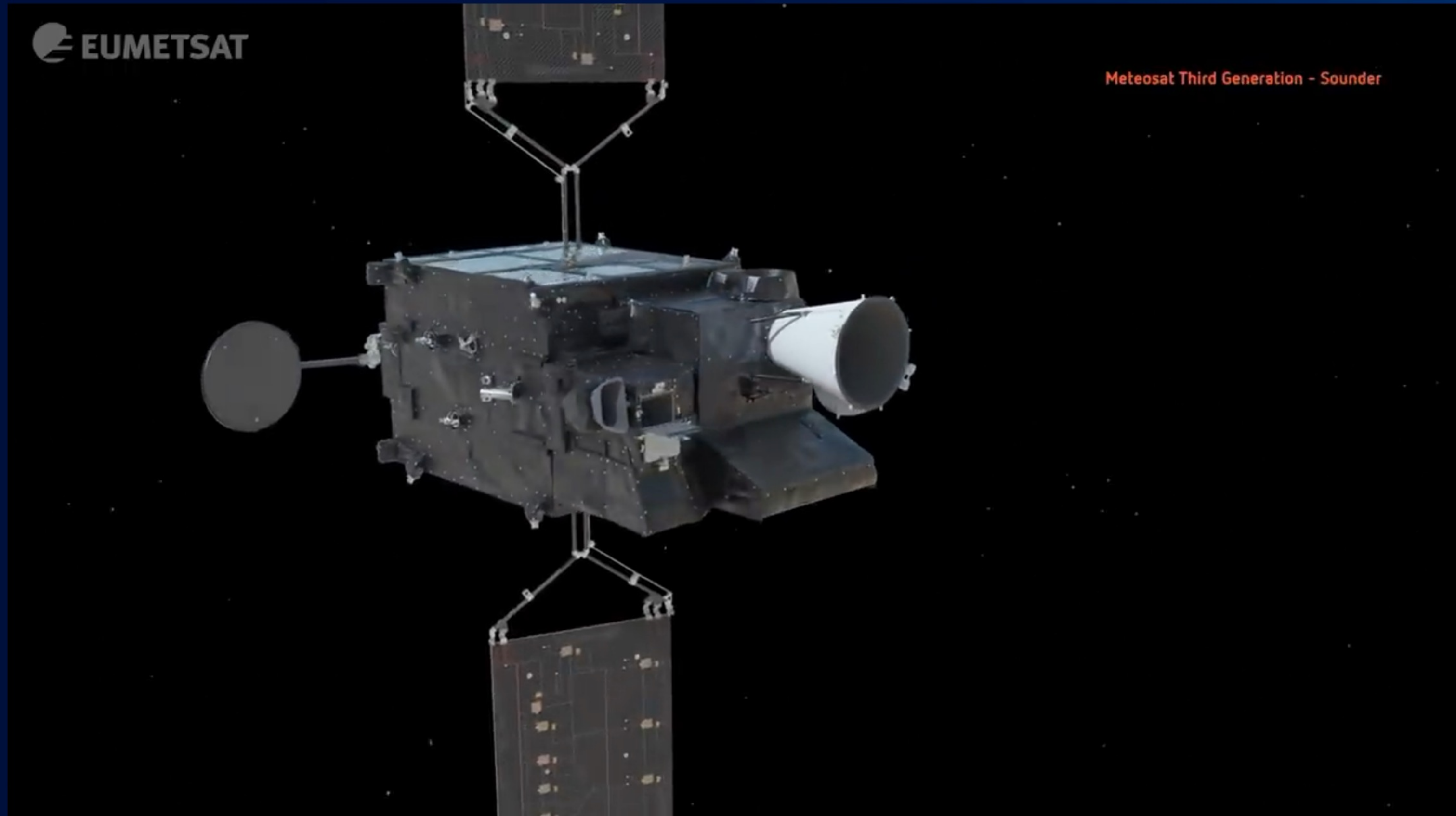




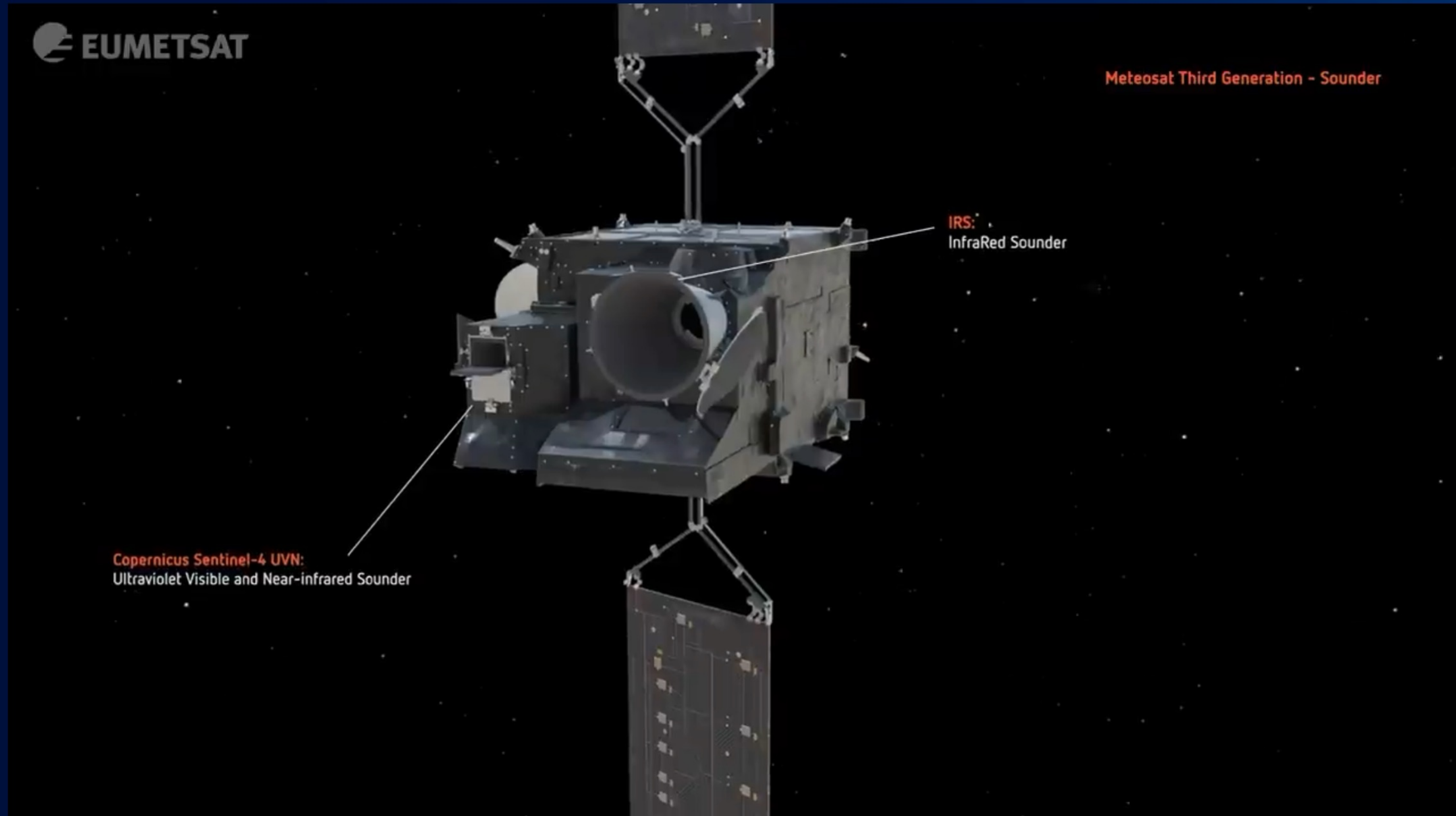
# Órbita Geostacionária



# Órbita Geostacionária

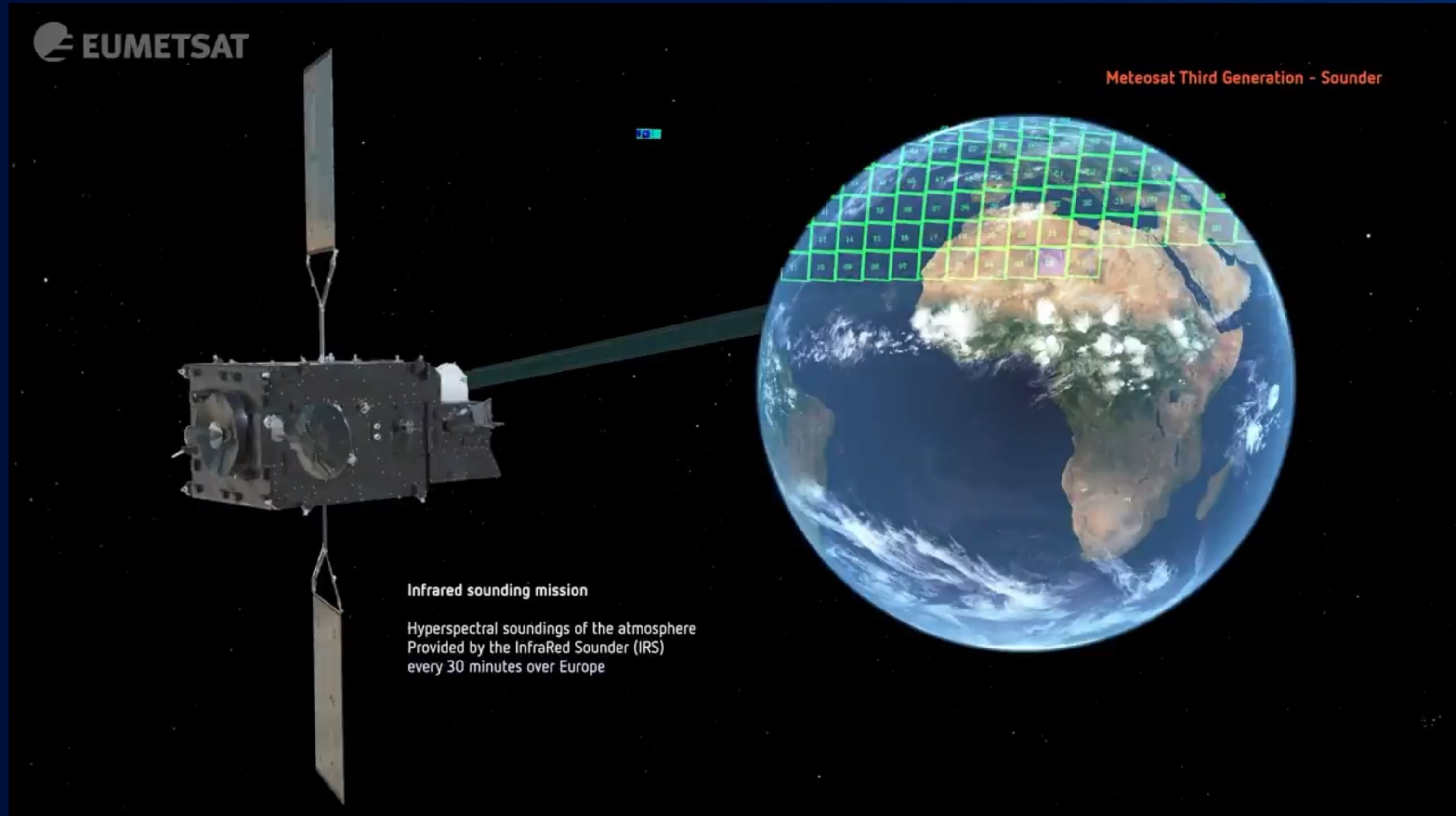


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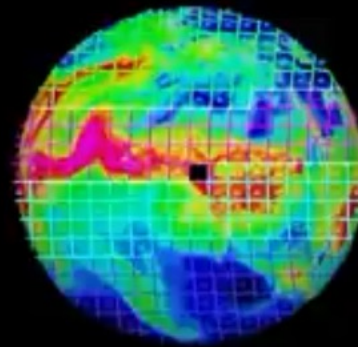
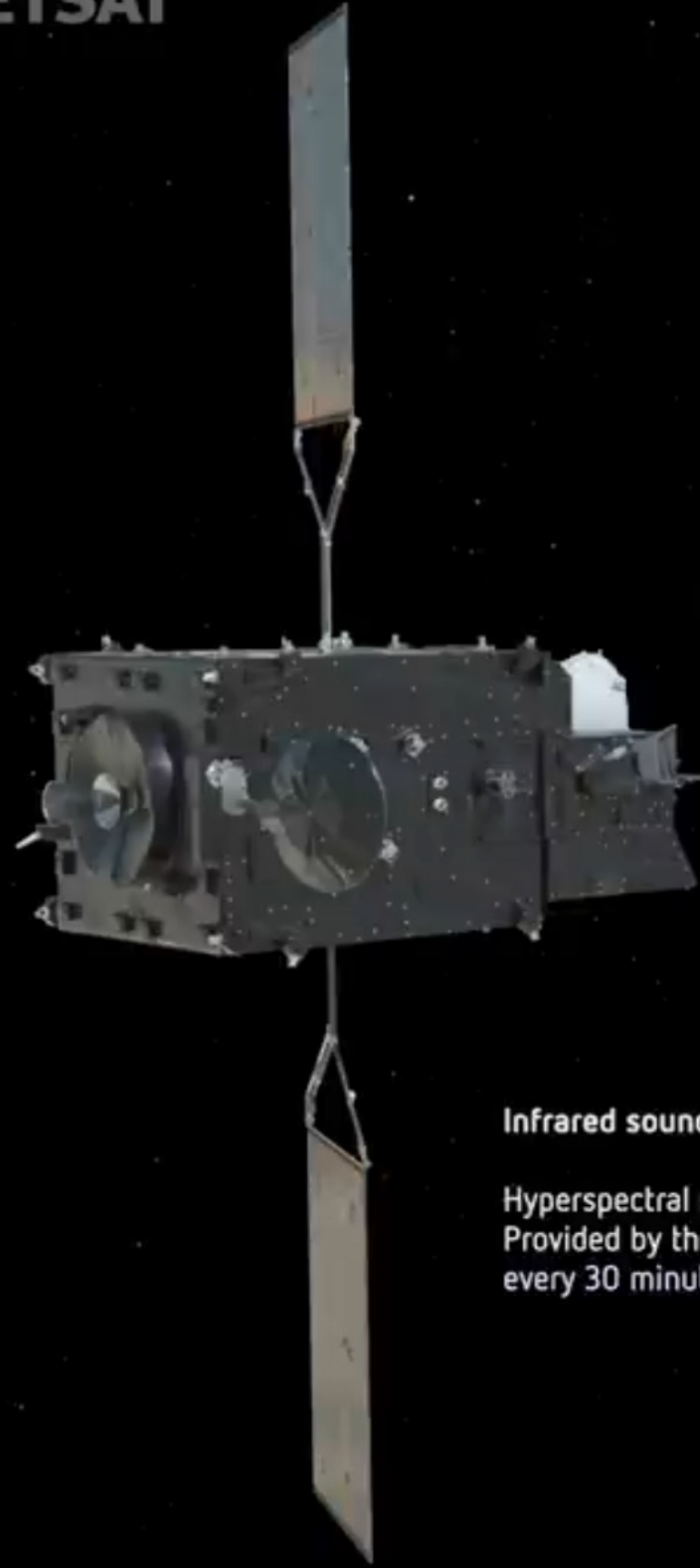


# Órbita Geostacionária

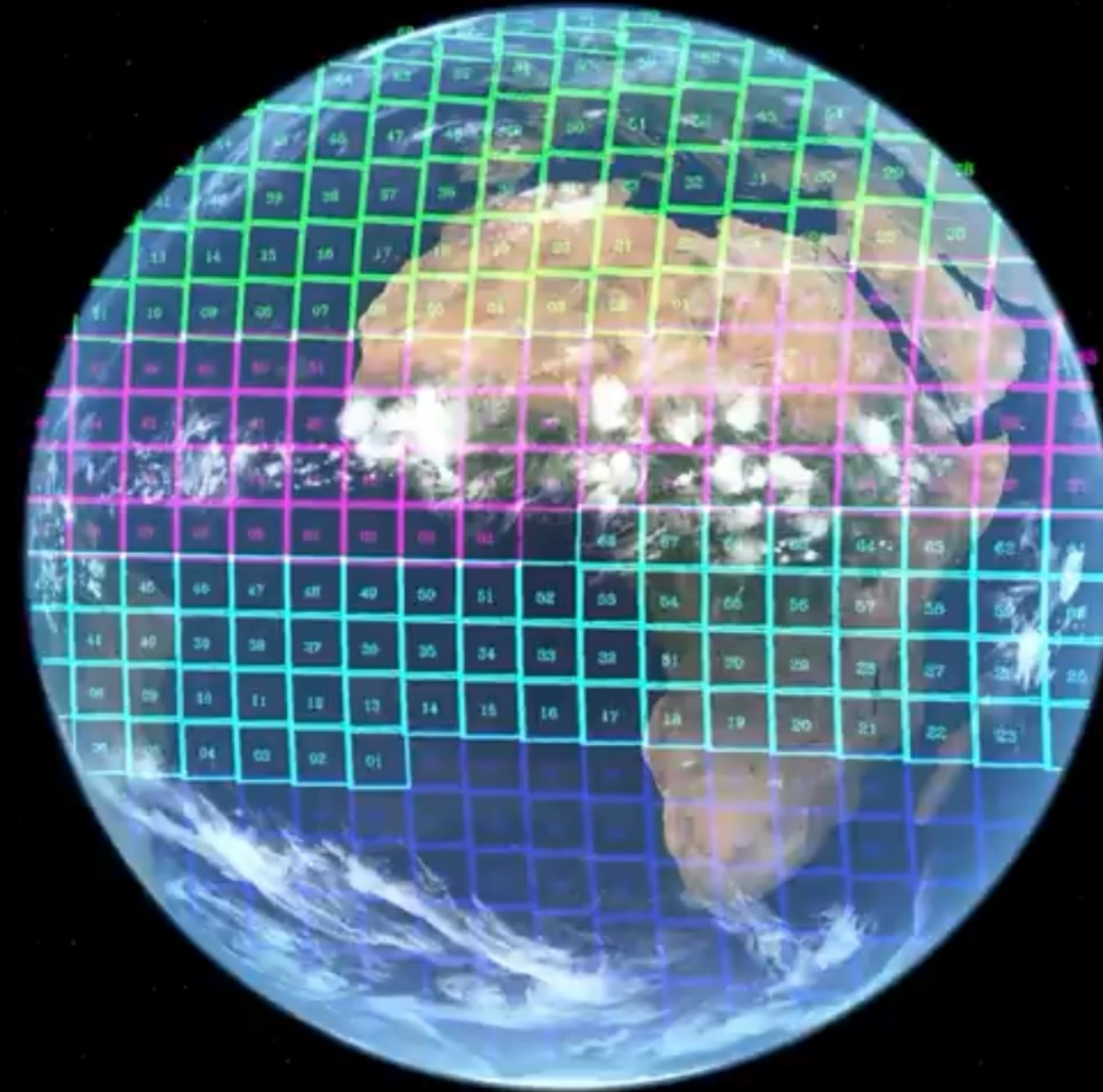


# Órbita Geostacionária

EUMETSAT



Meteosat Third Generation - Sounder

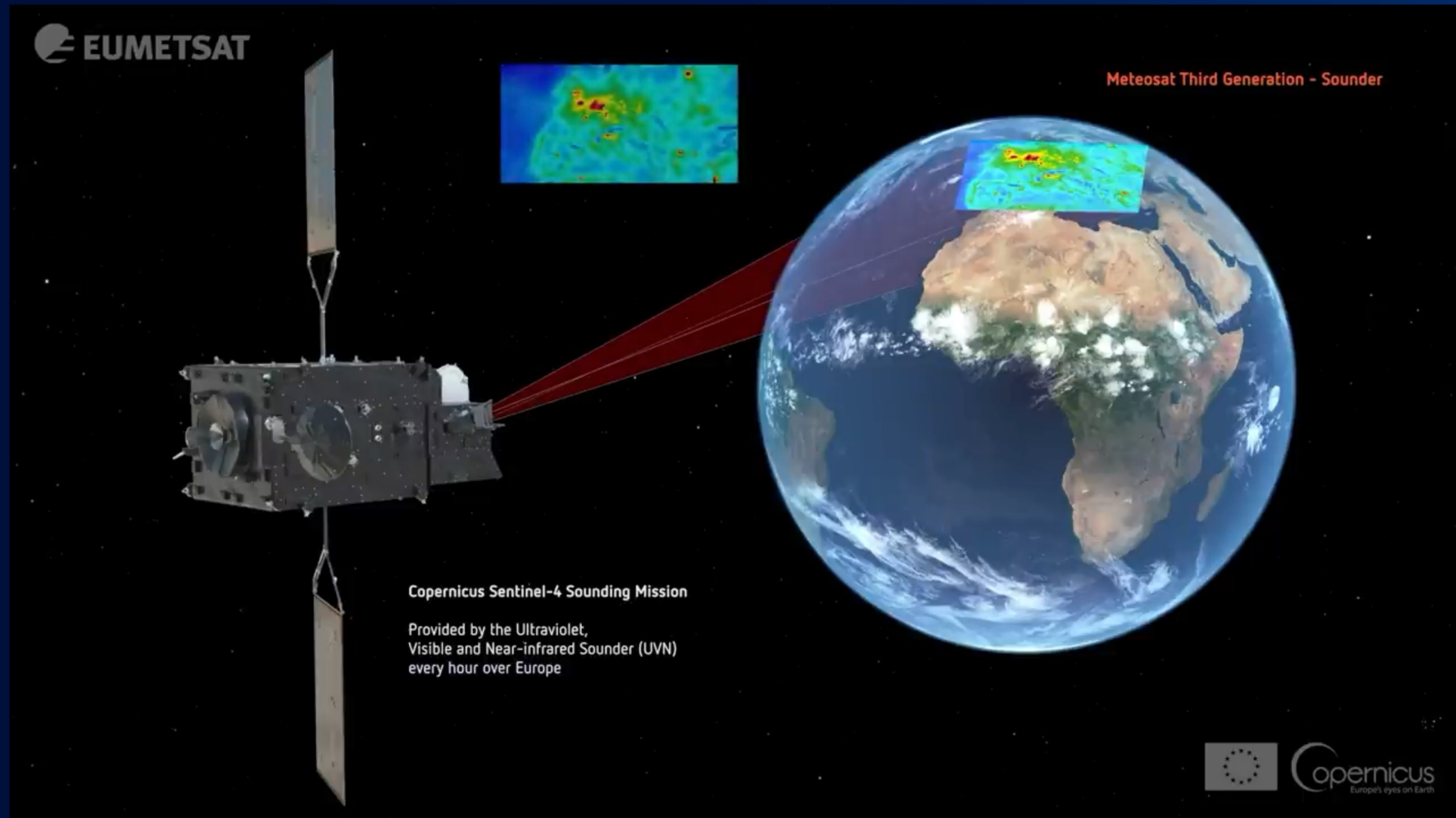


## Infrared sounding mission

Hyperspectral soundings of the atmosphere  
Provided by the InfraRed Sounder (IRS)  
every 30 minutes over Europe

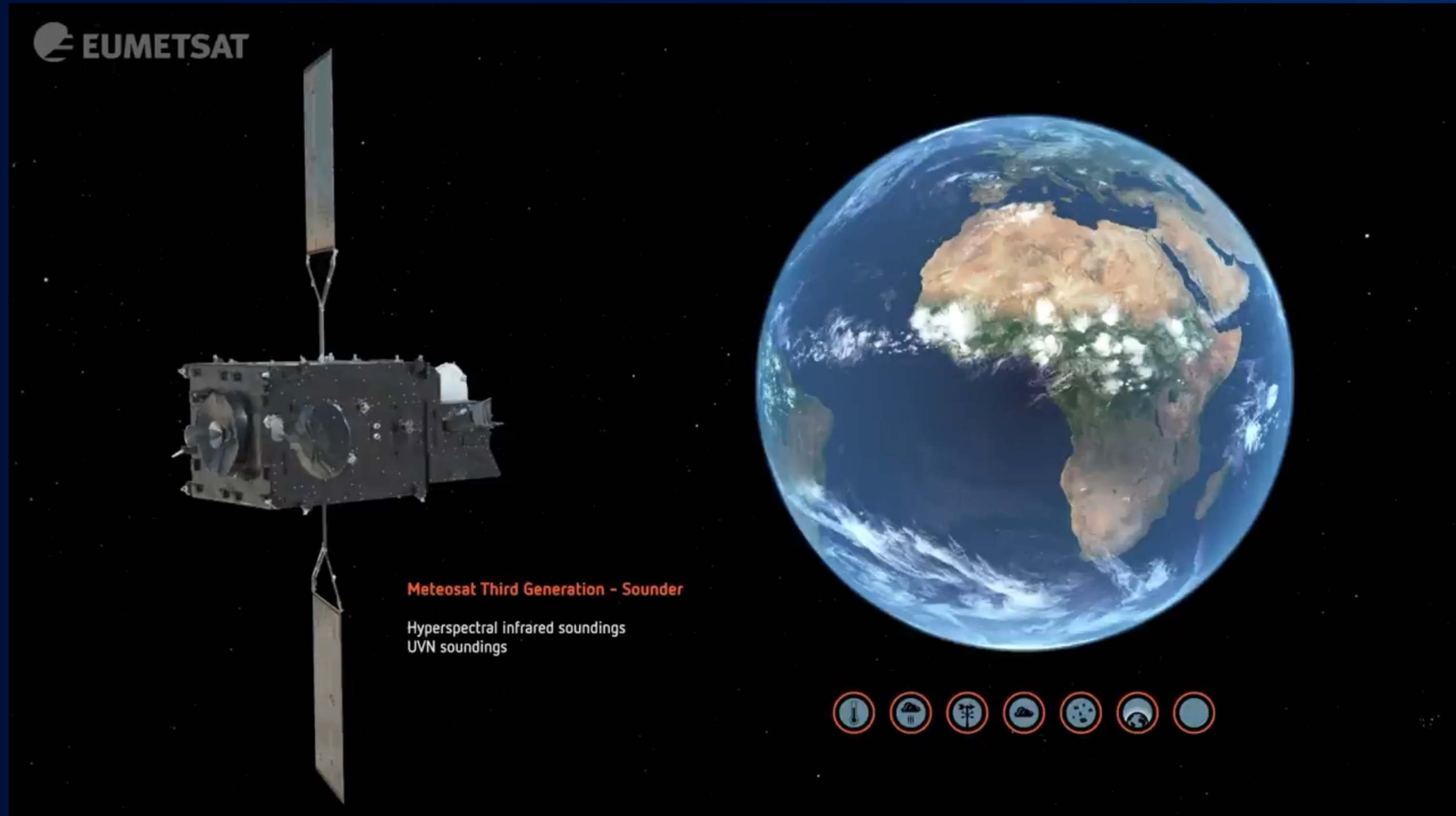


# Órbita Geostacionária

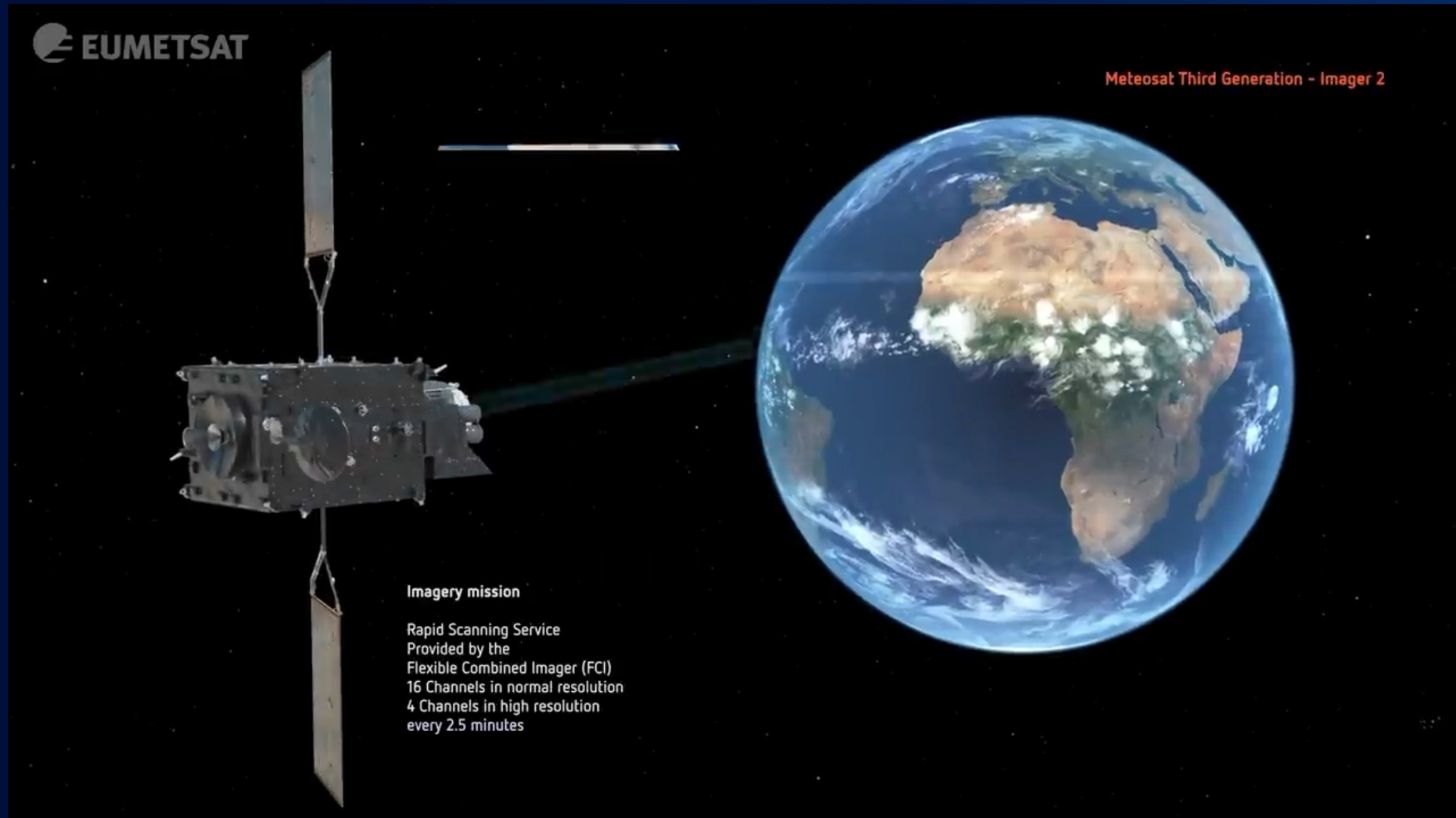




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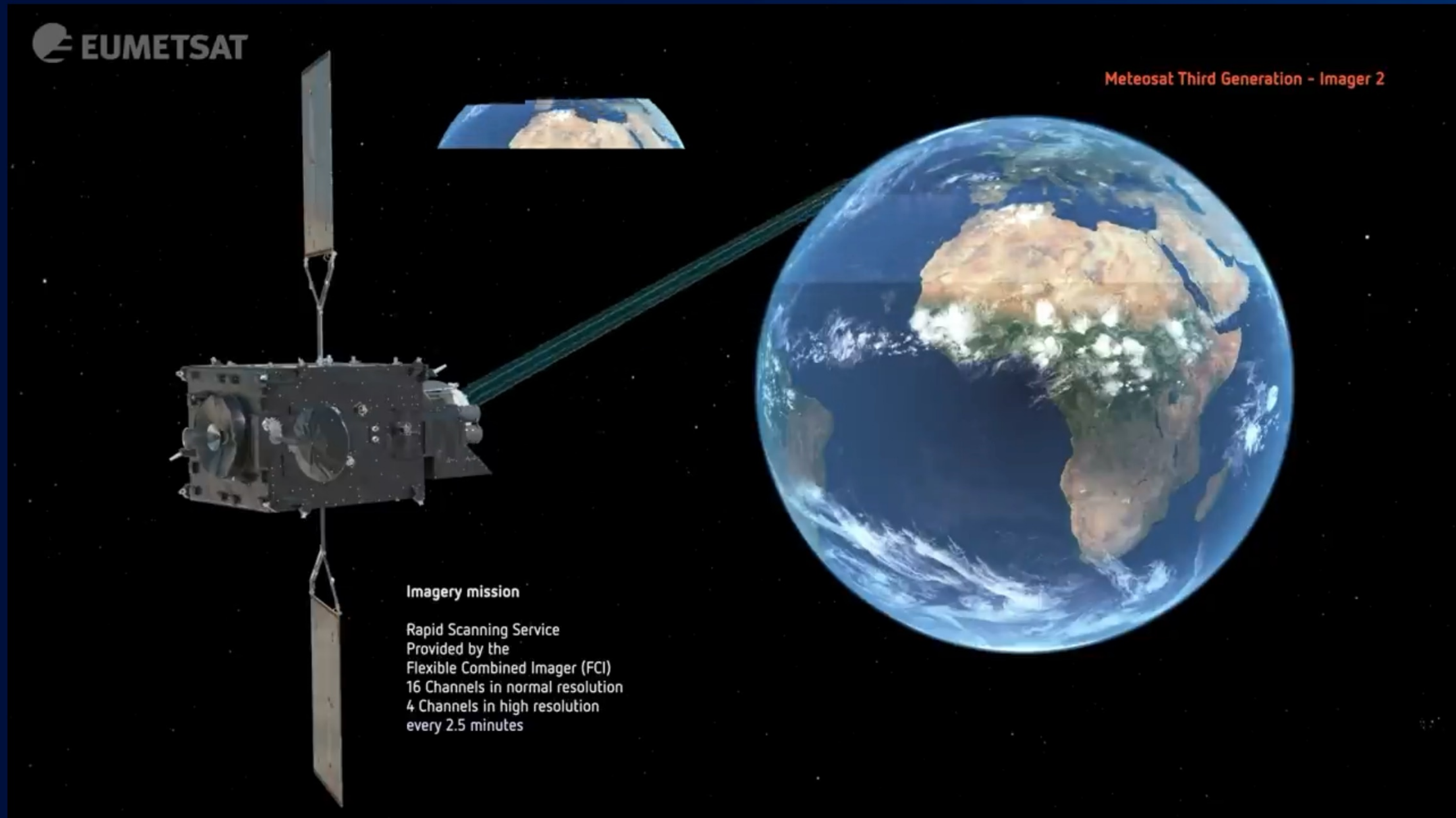


# Órbita Geostacionária





# Órbita Geostacionária





# Órbita Geostacionária



# Órbita Geostacionária

## Meteosat Third Generation Glossary of icons



Temperature



Water Vapour



Winds



Clouds



Aerosols



Fire



Lightning



Precipitation



Albedo



Air pollution/Trace gases



Ozone

# Órbita Geostacionária



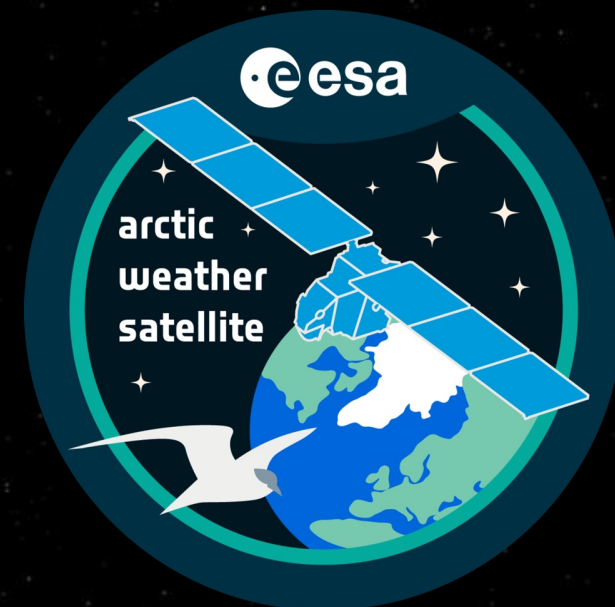
mtg





# ...a órbita Polar!





# Arctic Weather Satellite

Protótipo

<b>100%</b> global coverage	<b>600 km</b> altitude	<b>120 kg</b> mass	<b>97 mins</b> per orbit
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A 3D rendering of the Arctic Weather Satellite constellation in orbit above Earth. The main satellite in the foreground is a gold-colored satellite with two large, rectangular solar panel arrays extending horizontally. It has various instruments and antennas on its body. Several other similar satellites are visible in the background, orbiting at different altitudes. Purple laser lines represent communication links between the satellites. The Earth's surface is visible below, showing blue oceans and white clouds, with some city lights glowing in the dark. The sky is a deep blue gradient.

# Arctic Weather Satellite

Constelação

*De volta ao Ártico em 15min*