

National Aeronautics and Space Administration

# READY FOR LAUNCH

## This is #EuropaClipper.

On October 10, 2024, the launch period opens for NASA's Europa Clipper mission to begin its journey to Jupiter. The robotic spacecraft will launch on a SpaceX Falcon Heavy rocket from NASA's Kennedy Space Center in Florida to embark on a 1.8-billion-mile trek to the giant planet, where it will arrive in April 2030. Once there, it will orbit Jupiter and make dozens of close passes by its moon Europa.



**SOCIAL MEDIA TOOLKIT**



1 EXPRESS YOUR SPACE STYLE  
#RunwayToJupiter Style Challenge

In this user-generated content campaign, space fans can show off outfits, makeup, nail art, and other creative expressions that capture Jupiter's swirls, Europa's icy glam, and the exploration of our solar system. If they share their look by October 10, 2024 they'll have a chance to be featured by NASA. [go.nasa.gov/RunwayToJupiter](https://go.nasa.gov/RunwayToJupiter)

2 FOR THE YOUNG EXPLORERS  
Kids Art Challenge

NASA's Space Place site for kids will challenge young explorers to think about and draw scenes about Europa and the Europa Clipper mission. A few imaginative submissions will be featured during the launch and on the NASA Space Place websites! [go.nasa.gov/ArtChallenge](https://go.nasa.gov/ArtChallenge)

3 ATTENDING LAUNCH IN PERSON  
NASA Social Event

Select social media influencers will be attending the launch in person and posting about their experience for their unique audiences. Follow along at @NASASocial and #NASASocial.

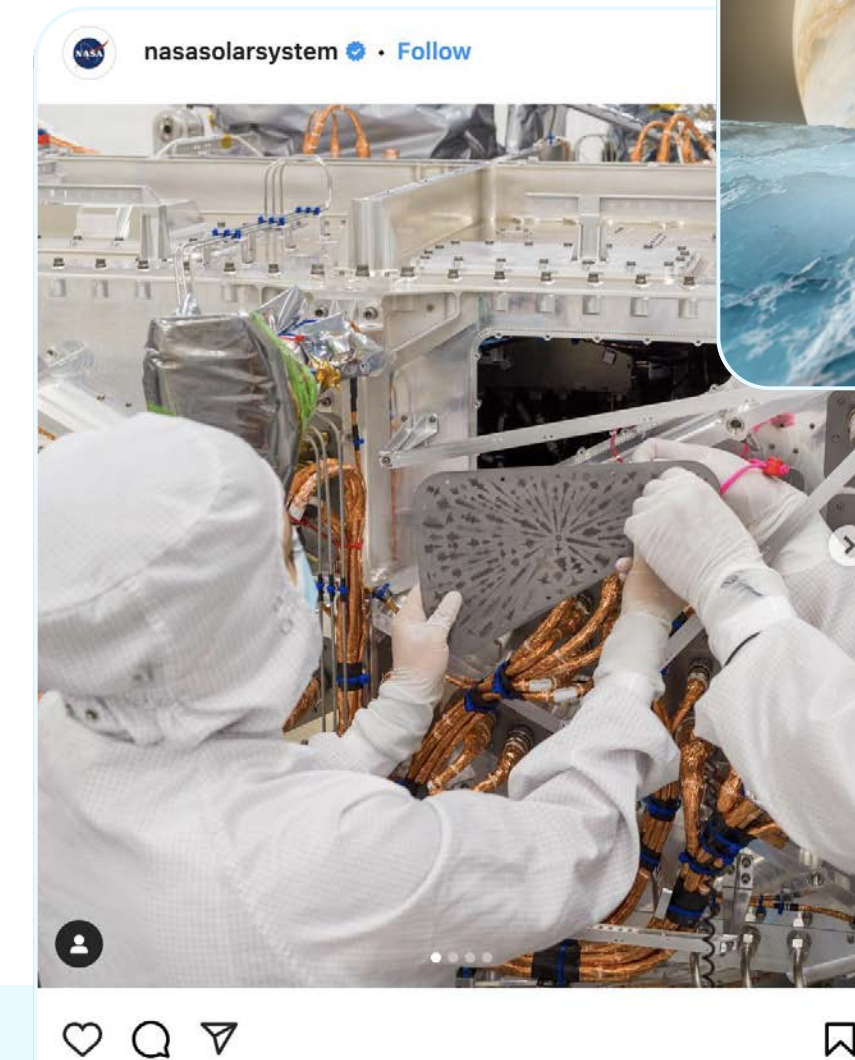
4 IT'S LAUNCH DAY  
NASA Kennedy Space Center

On launch day, NASA will provide live broadcast coverage on NASA+, NASA.gov, the NASA app, YouTube, and NASA's social media channels.



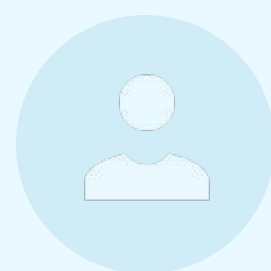
# HOW TO GET INVOLVED

The public can sign up for mission updates, see how to build model spacecraft, get classroom activities, download posters, and more at [go.nasa.gov/EuropaClipperParticipate](https://go.nasa.gov/EuropaClipperParticipate).





## 02: SHARE WITH #EUROPACLIPPER



The journey to Jupiter is about to begin! Join us as the Europa Clipper mission sets sail for the giant planet's intriguing moon Europa to see if it's a place that could support life. [go.nasa.gov/EuropaClipperLive](https://go.nasa.gov/EuropaClipperLive) [@EuropaClipper](https://twitter.com/EuropaClipper)

Does Jupiter's moon Europa have the necessary conditions for life?

- Liquid water
- Chemistry
- Energy

We're on our way to find out!



Did you know?

Europa is the smoothest of any solid body in the solar system, with an unusually small number of craters. But its surface is far from featureless, with long grooves and chaotic jumbles of icy blocks.



We have questions about Jupiter's moon Europa: How thick is its icy shell? How deep is its global ocean? Does it have the conditions needed to support life? We're about to set sail to find out!

Join us for the journey at [go.nasa.gov/EuropaClipper](https://go.nasa.gov/EuropaClipper).

#EuropaClipper  
@EuropaClipper



## 03: CONTENT DIVING BOARDS

### 1. FUN FACT

Europa may have as much as twice as much liquid water as all Earth's oceans combined.

### 2. WHY EUROPA?

The Europa Clipper mission's main science goal is to determine whether there are places below the surface of Europa that could support life.

### 3. SCALE

Europa Clipper is the largest planetary exploration spacecraft that NASA has ever built. Its solar panel arrays stretch more than 100 feet across (30 meters), about the length of a basketball court.

### 4. CLIPPER'S GEAR

The spacecraft will carry nine powerful science instruments – including high-res cameras, ice-penetrating radar, and more – to study this mysterious world in detail as never seen before. The spacecraft itself will act as another investigation, using Europa's gravity to help map its interior.

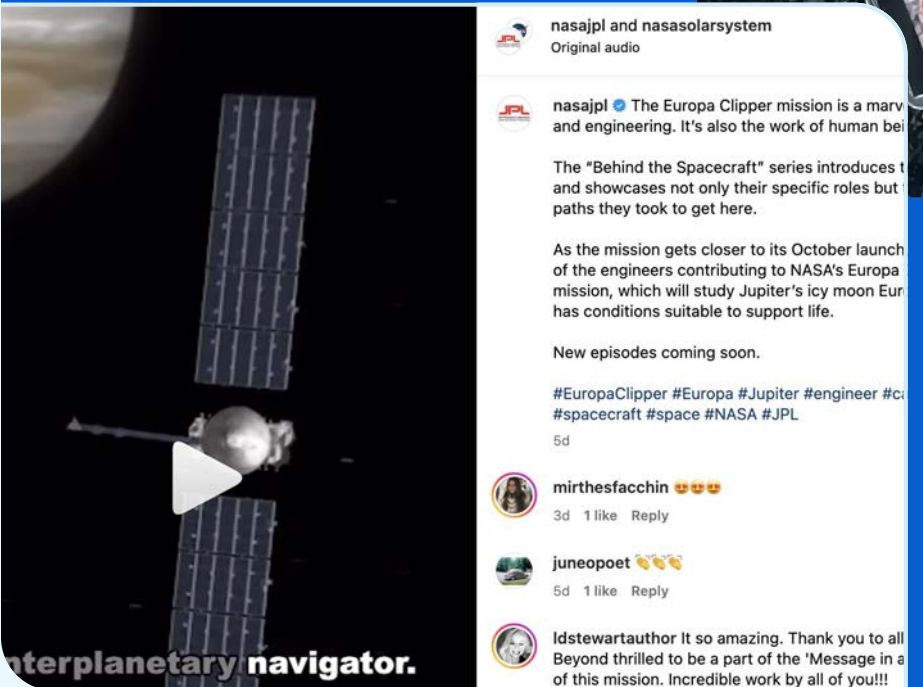
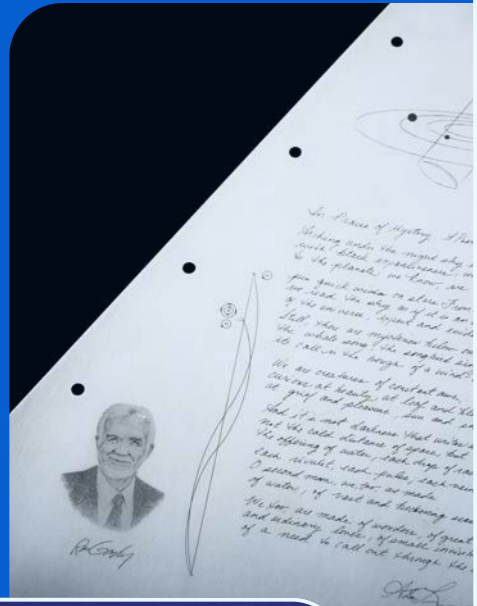
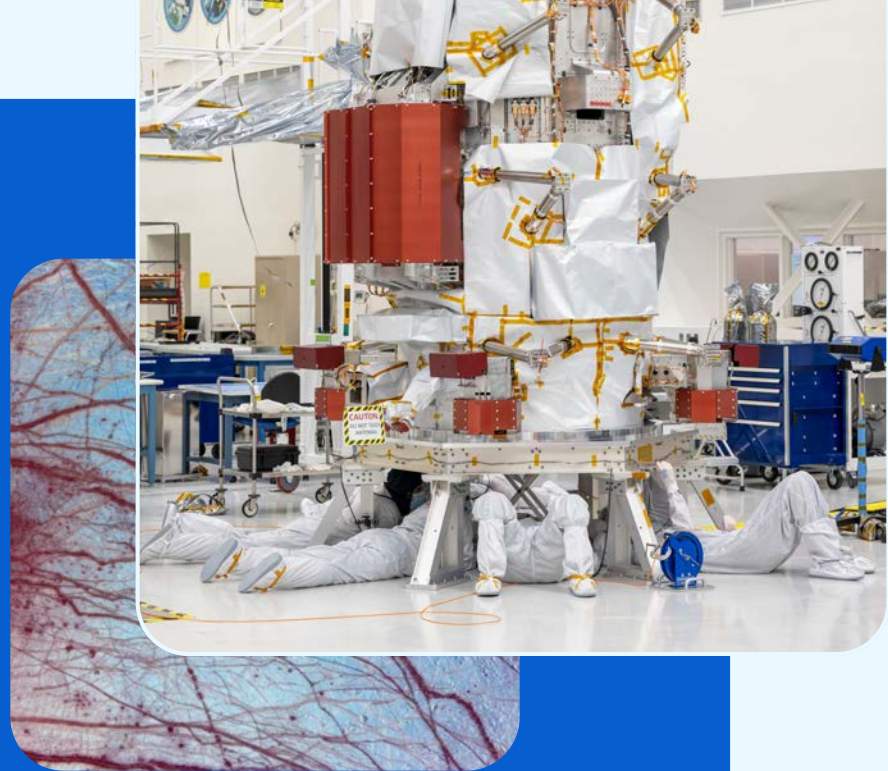
### 5. COSMIC MESSAGE

A kind of "message in a bottle" rides aboard the Europa Clipper spacecraft as it travels from Earth to Europa, with good wishes from one ocean world to another. It includes art, an original poem by the U.S. poet laureate engraved in the poet's own handwriting, and the names of more than 2.6 million earthlings who signed their name to the poem.



EUROPA CLIPPER LAUNCH

# JOIN OUR SOCIAL SPACE



## SOCIAL MEDIA TOOLKIT

### 04: OUR HANDLES

X

- @NASA
- @EuropaClipper
- @NASAJPL
- @NASASolarSystem
- @NASAAstroBio
- @NASAKennedy

SNAPCHAT

@NASA

INSTAGRAM

- @NASAJPL
- @NASASolarSystem
- @NASA
- @NASAKennedy

FLICKR

- @nasakennedy
- @nasahqphoto

FACEBOOK

- @NASAEuropaClipper
- @NASA
- @NASAAstroBio
- @NASAJPL
- @NASASolarSystem

TUMBLR

@NASA

### 05: HELPFUL LINKS

#### MISSION SITE (ENGLISH & SPANISH)

- [go.nasa.gov/EuropaClipper](https://go.nasa.gov/EuropaClipper)
- [ciencia.nasa.gov/EuropaClipper](https://ciencia.nasa.gov/EuropaClipper)

#### ONLINE TOOLKIT (WITH ASSETS & IMAGES)

- [go.nasa.gov/EuropaClipperToolkit](https://go.nasa.gov/EuropaClipperToolkit)

#### LAUNCH BLOG

- [blogs.nasa.gov/europaclipper](https://blogs.nasa.gov/europaclipper)

#### YOUTUBE VIDEOS

- [www.youtube.com/@NASAJPL/playlist=clipper](https://www.youtube.com/@NASAJPL/playlist=clipper)

#### MEDIA FEATURES

- [www.jpl.nasa.gov/news?topics=Solar%20System](https://www.jpl.nasa.gov/news?topics=Solar%20System)

#### PRESS KIT

- [go.nasa.gov/EuropaClipperPressKit](https://go.nasa.gov/EuropaClipperPressKit)

#### NASA IMAGES & GIFS

- [images.nasa.gov/clipper](https://images.nasa.gov/clipper)
- [giphy.com/nasa/clipper](https://giphy.com/nasa/clipper)

#### EYES ON THE SOLAR SYSTEM

- [go.nasa.gov/EyesOnClipper](https://go.nasa.gov/EyesOnClipper)



06: THE JOURNEY

1. Europa Clipper launches from Kennedy Space Center in Florida on a SpaceX Falcon Heavy rocket.
2. The spacecraft will come to within 300 to 600 miles (500 to 1,000 km) of the surface of Mars. This enables Europa Clipper to use the planet's gravity to help it accelerate towards Jupiter.
3. Europa Clipper comes home (briefly) for its second gravity assist, swinging about 2,000 miles (3,200 km) from Earth.
4. Europa Clipper will use its engines as brakes to slow the spacecraft down to match Jupiter's orbit. Once in orbit around Jupiter, over the next four years the spacecraft will make dozens of close flybys of Europa.

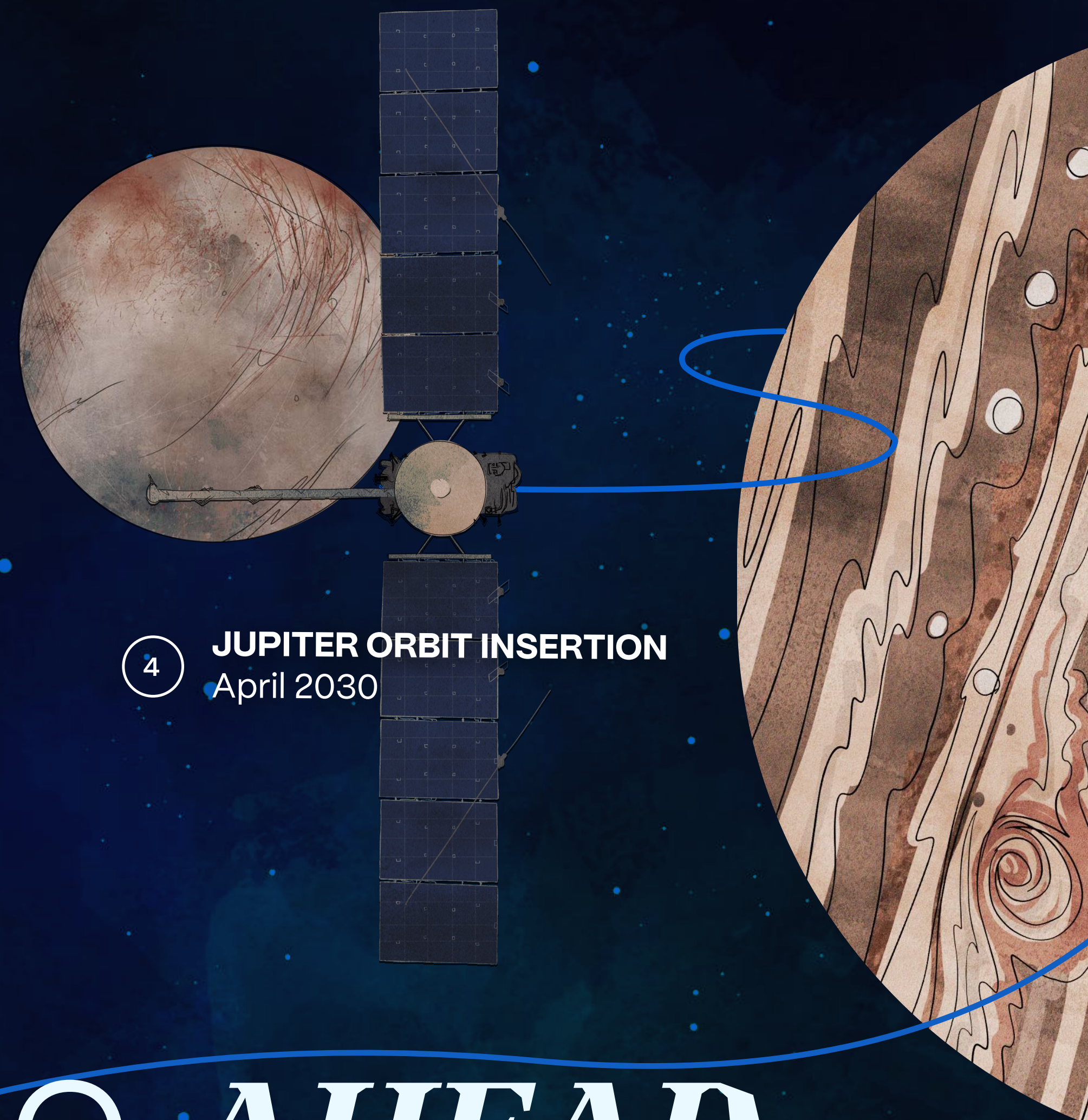


1 LAUNCH  
October 2024



2 MARS FLYBY  
October 2025

3 EARTH FLYBY  
December 2026



4 JUPITER ORBIT INSERTION  
April 2030

LOOKING AHEAD...