



Exploring the Jupiter System through Unique Joint JUICE and Europa Clipper Observations





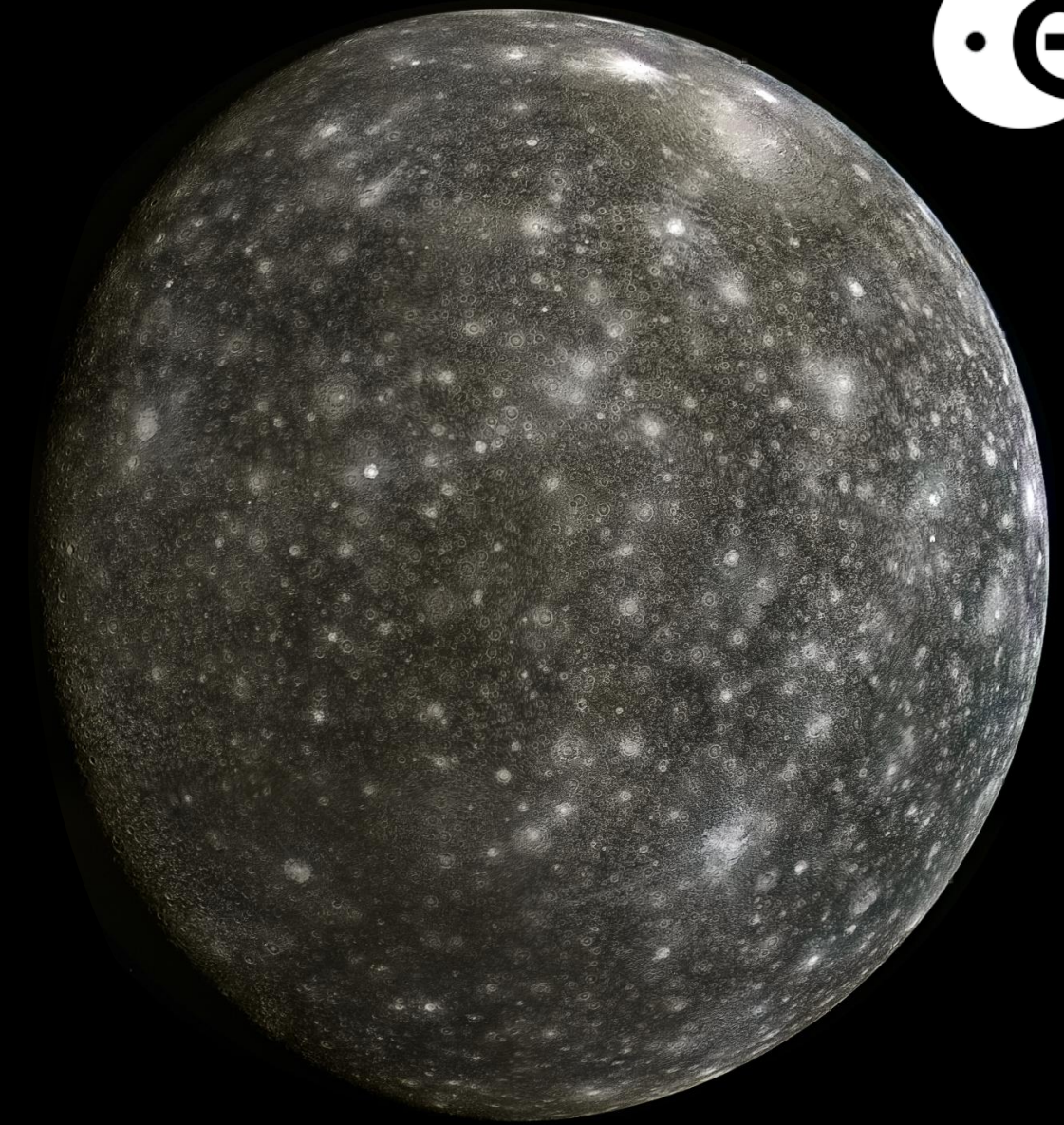
Io (1821 km radius)



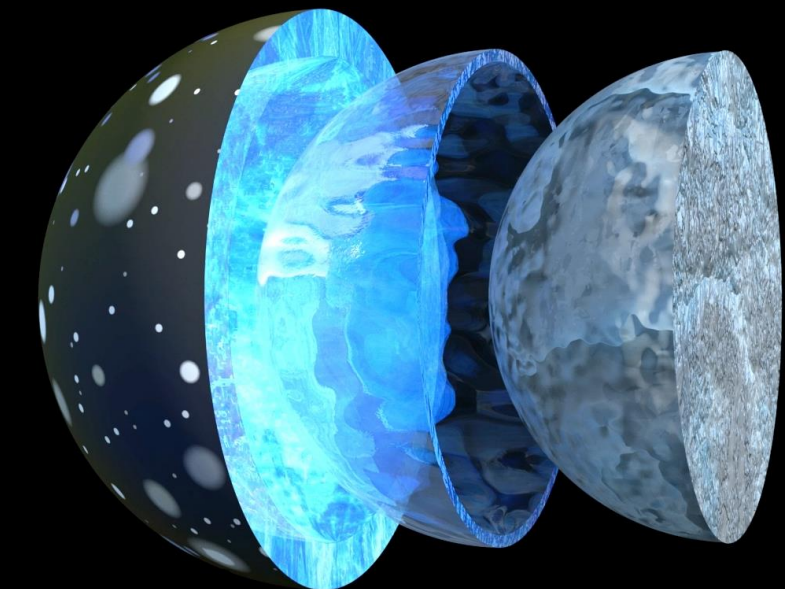
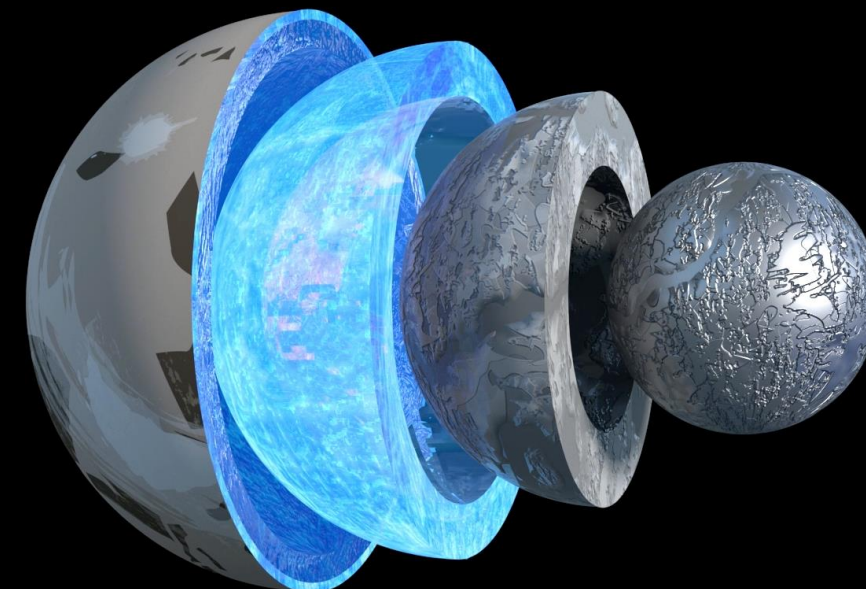
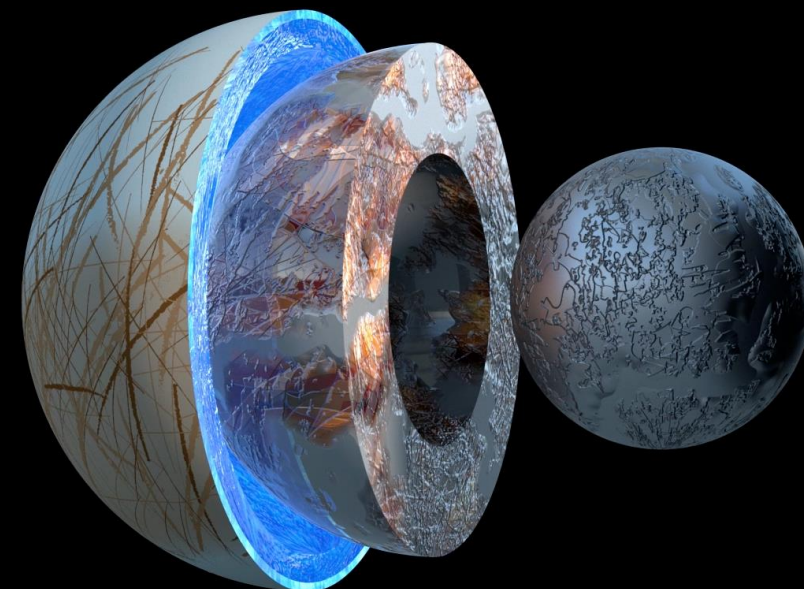
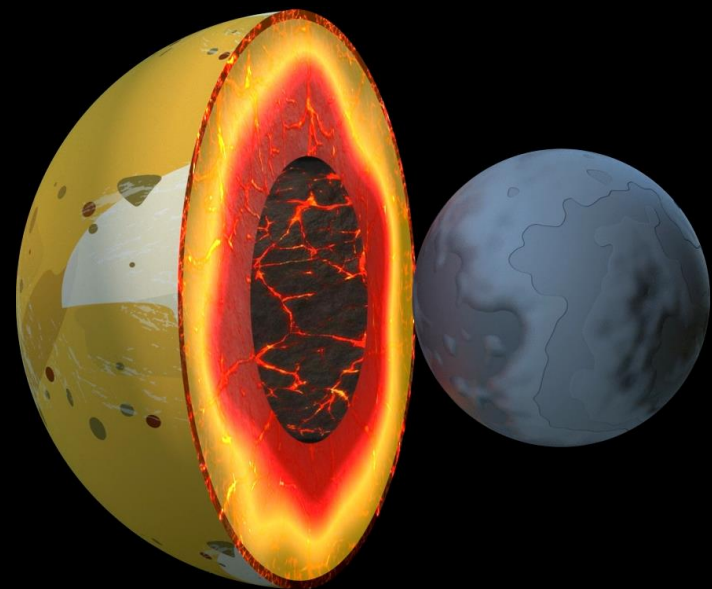
Europa (1561 km radius)



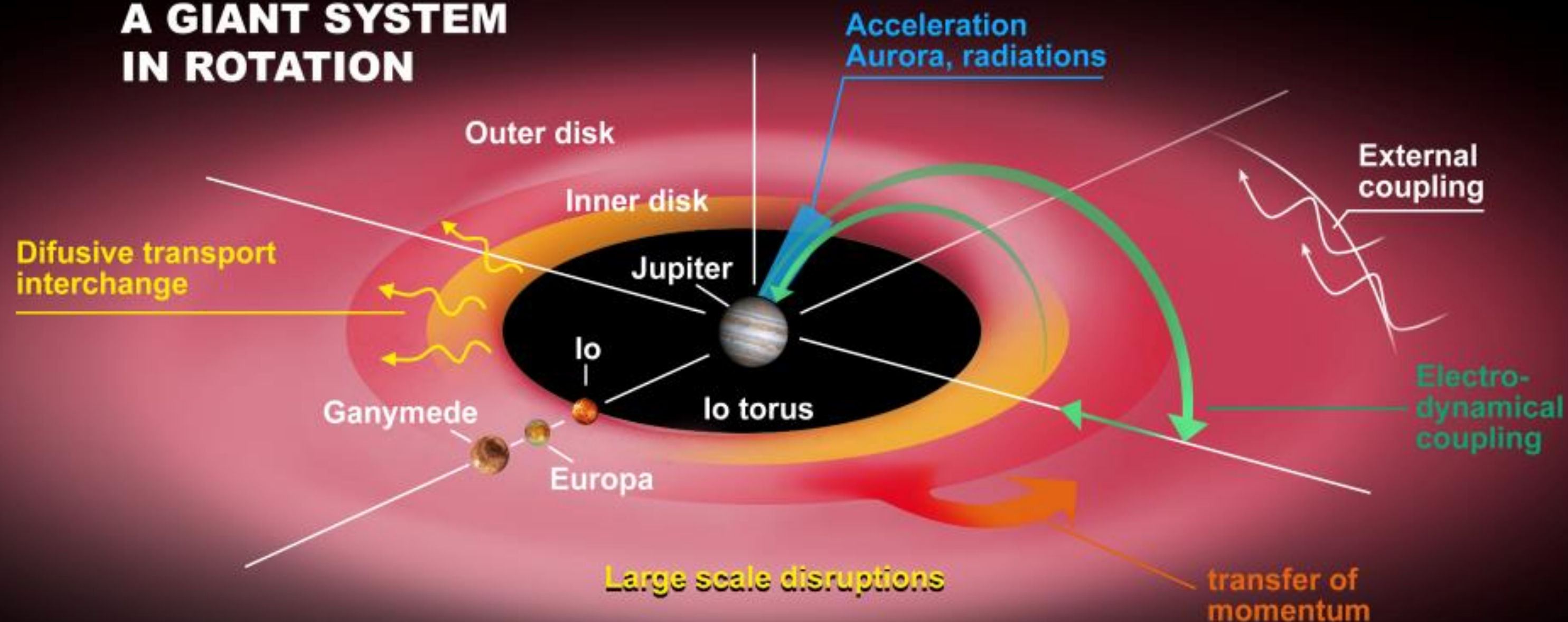
Ganymede (2634 km radius)



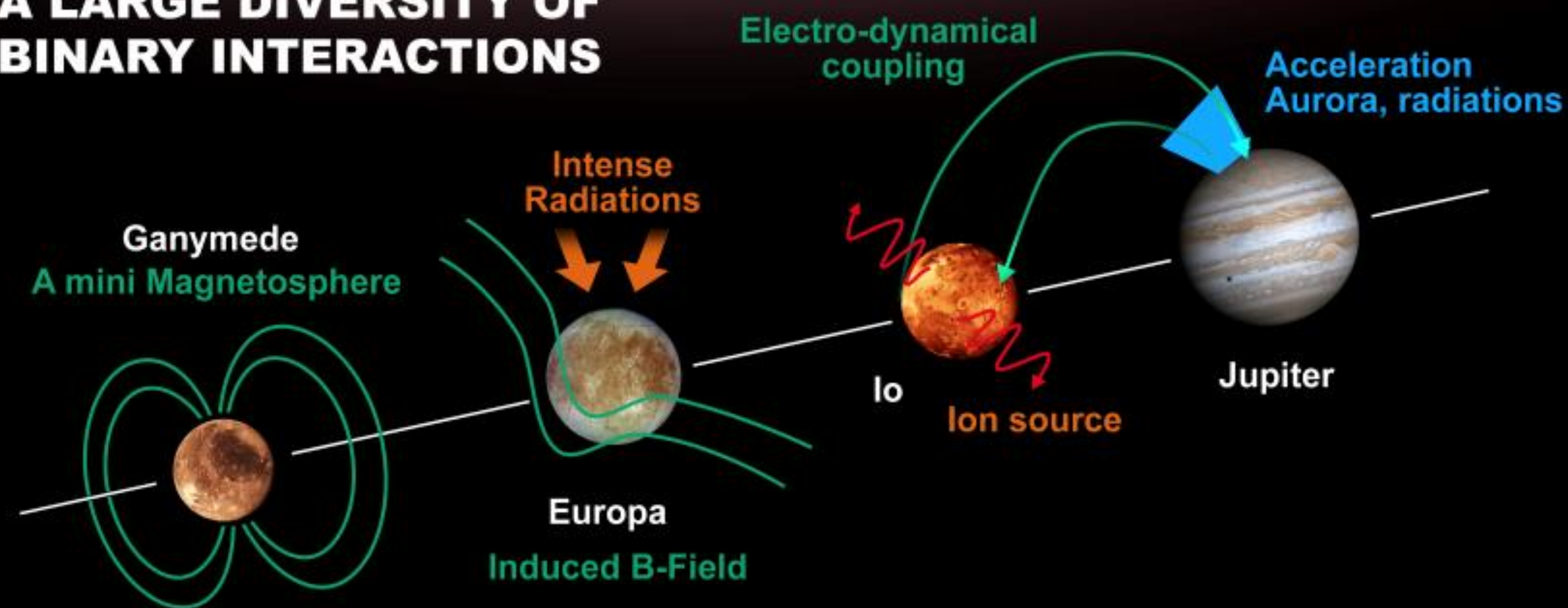
Callisto (2410 km radius)

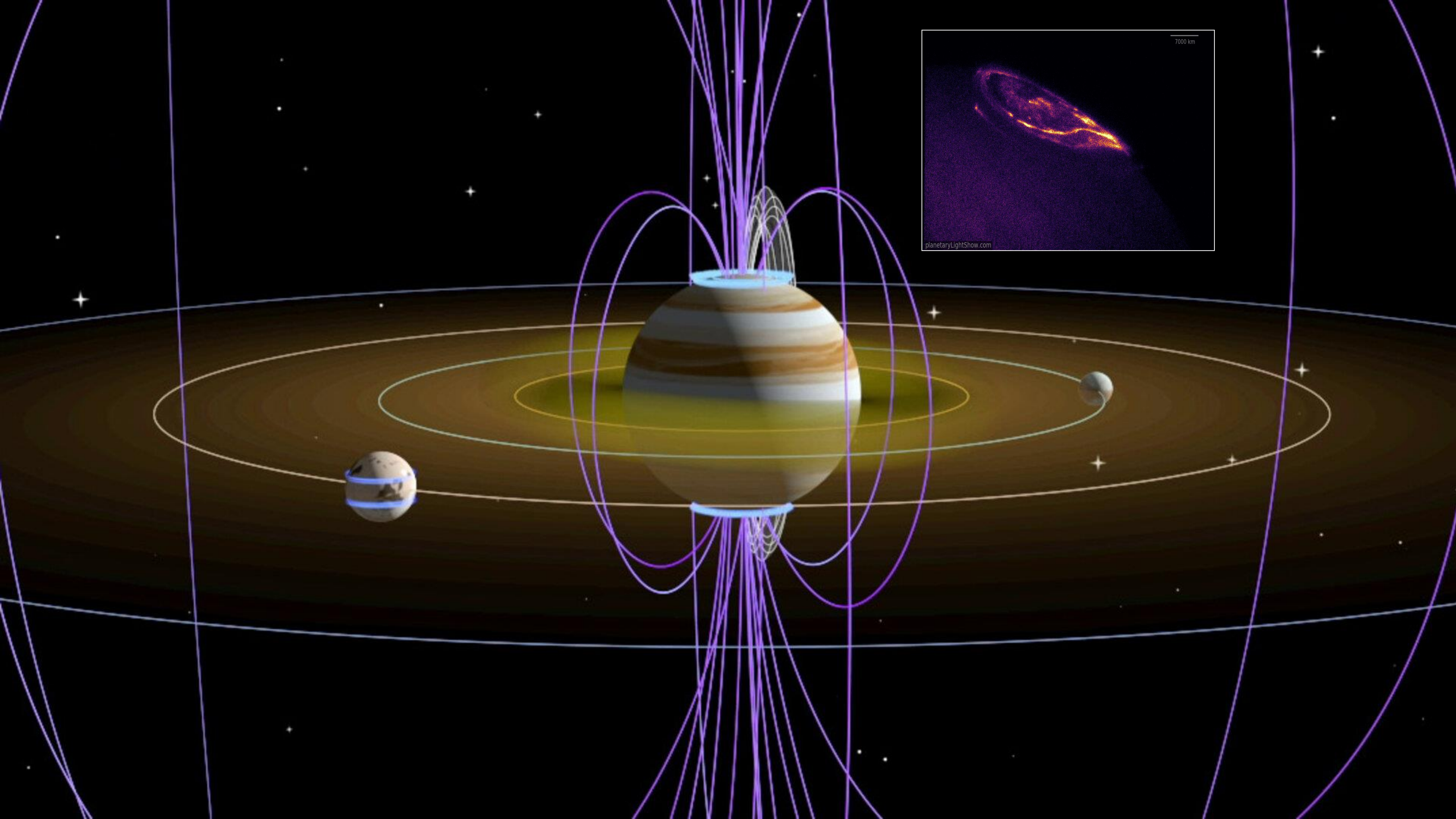


A GIANT SYSTEM IN ROTATION

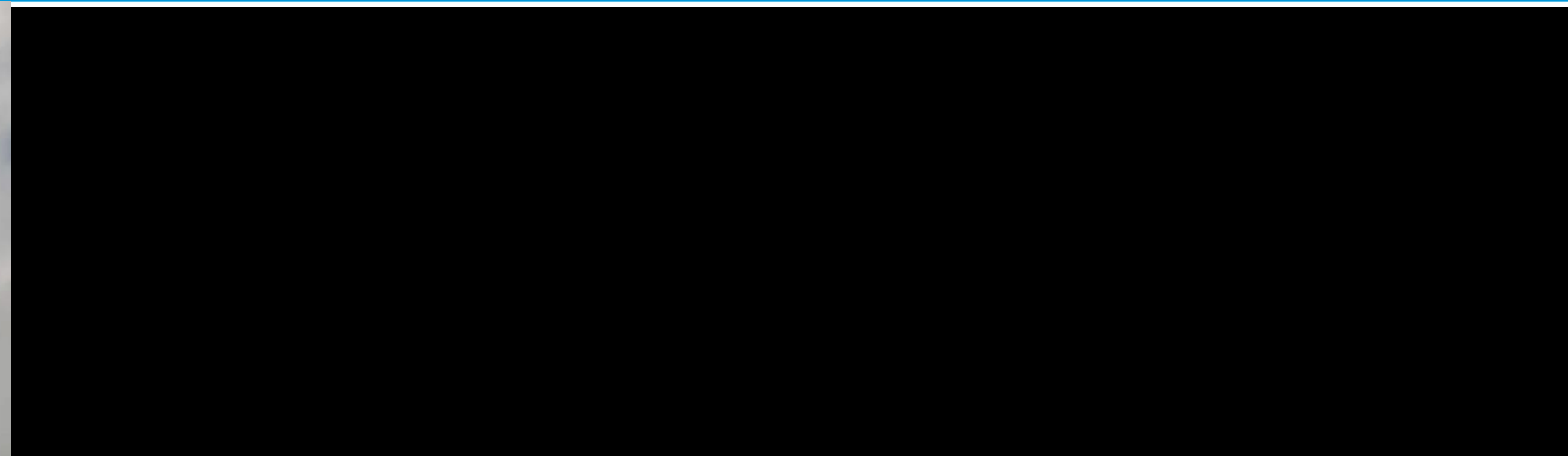


A LARGE DIVERSITY OF BINARY INTERACTIONS





Décollages



Webinar sur YouTube



Juice and Europa Clipper mission updates

Claire Vallat (ESA)

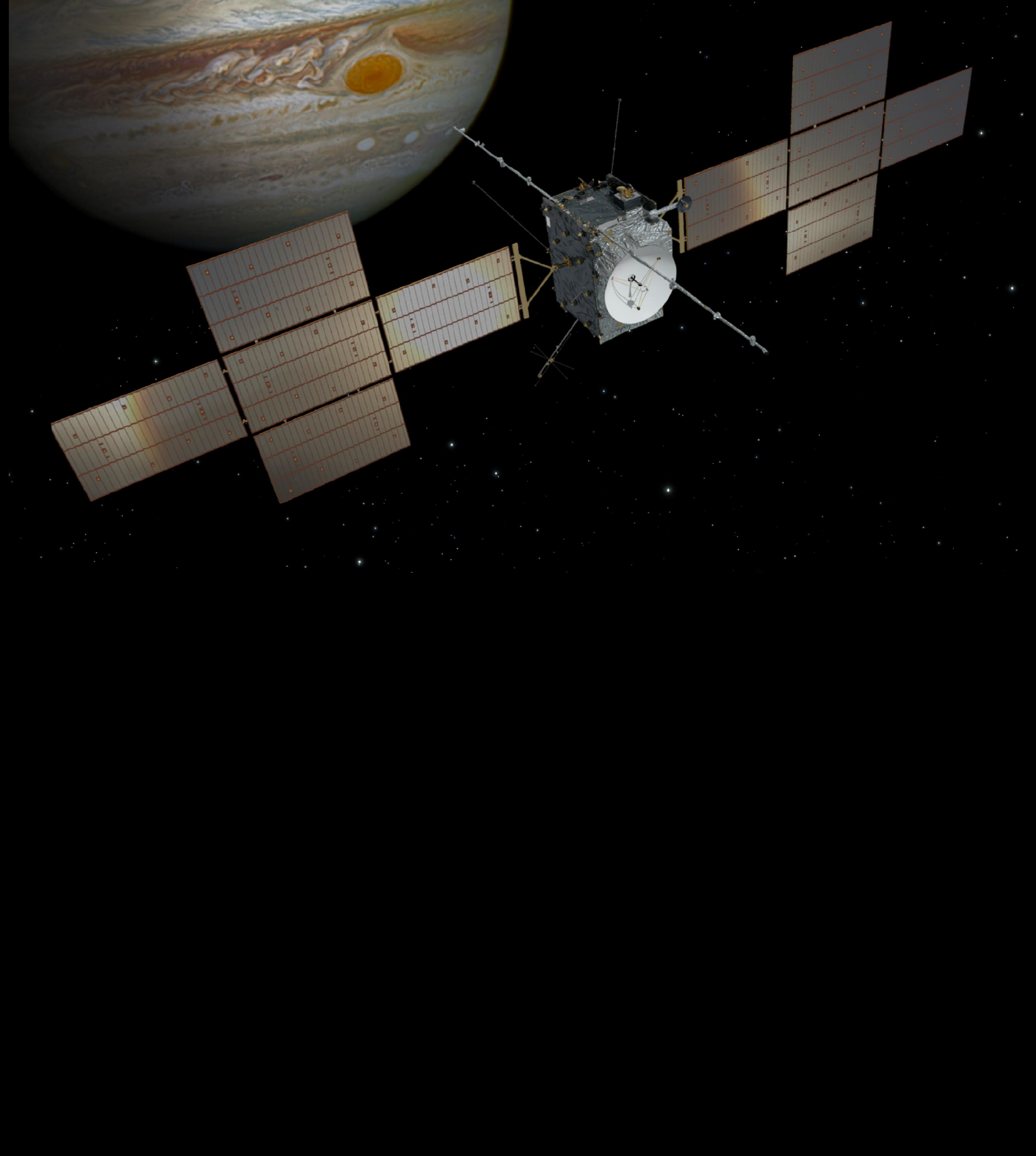
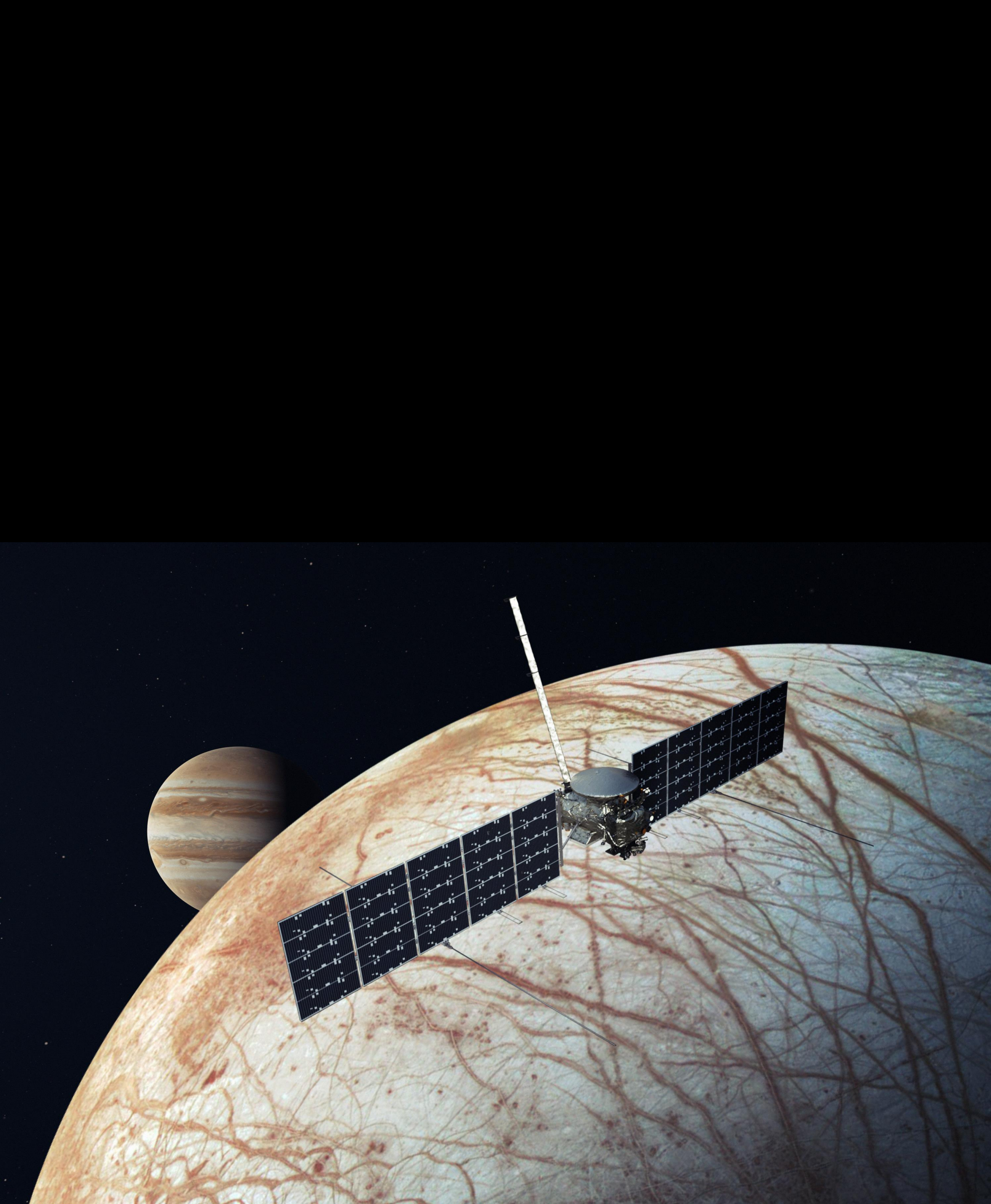
Robert Pappalardo (NASA JPL Caltech, USA)

Europa Clipper and Juice: Potential for Scientific Synergies

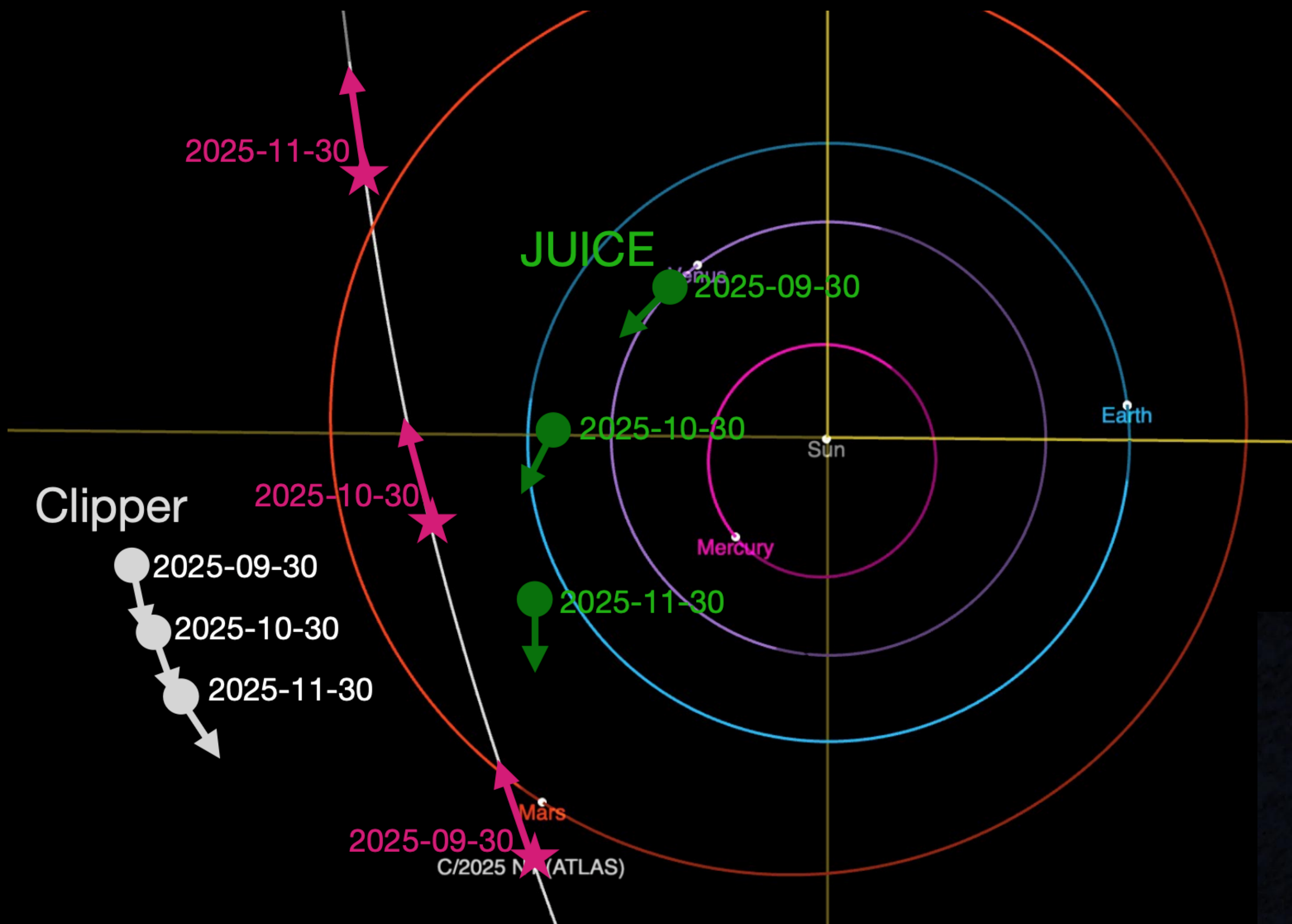
Emma Bunce (University of Leicester, UK)

Mathieu Choukroun (NASA JPL Caltech, USA)





Observations de l'objet interstellaire 3I/ATLAS



Hubble





Jupiter Approach and Main Orbital Phase +Icy Satellite Flybys



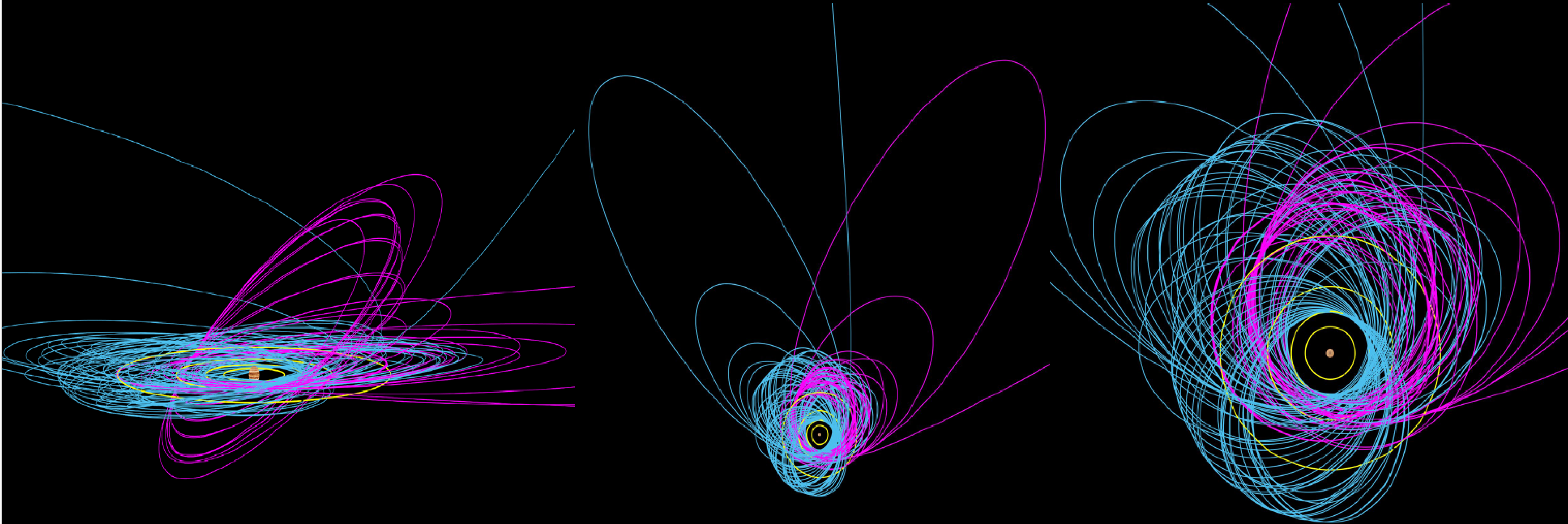
← Approach →

← Orbital Phase →

Trajectory Overview

Clipper: 21F31_MEGA_L241010_A300411_LP01_V7_scpse.bsp

JUICE: juice_mat_crema_5_0_20220826_20351005_v01.bsp



Side View

Ecliptic plane

Ecliptic plane zoom

Clipper
JUICE

Courtesy: Corey Cochrane

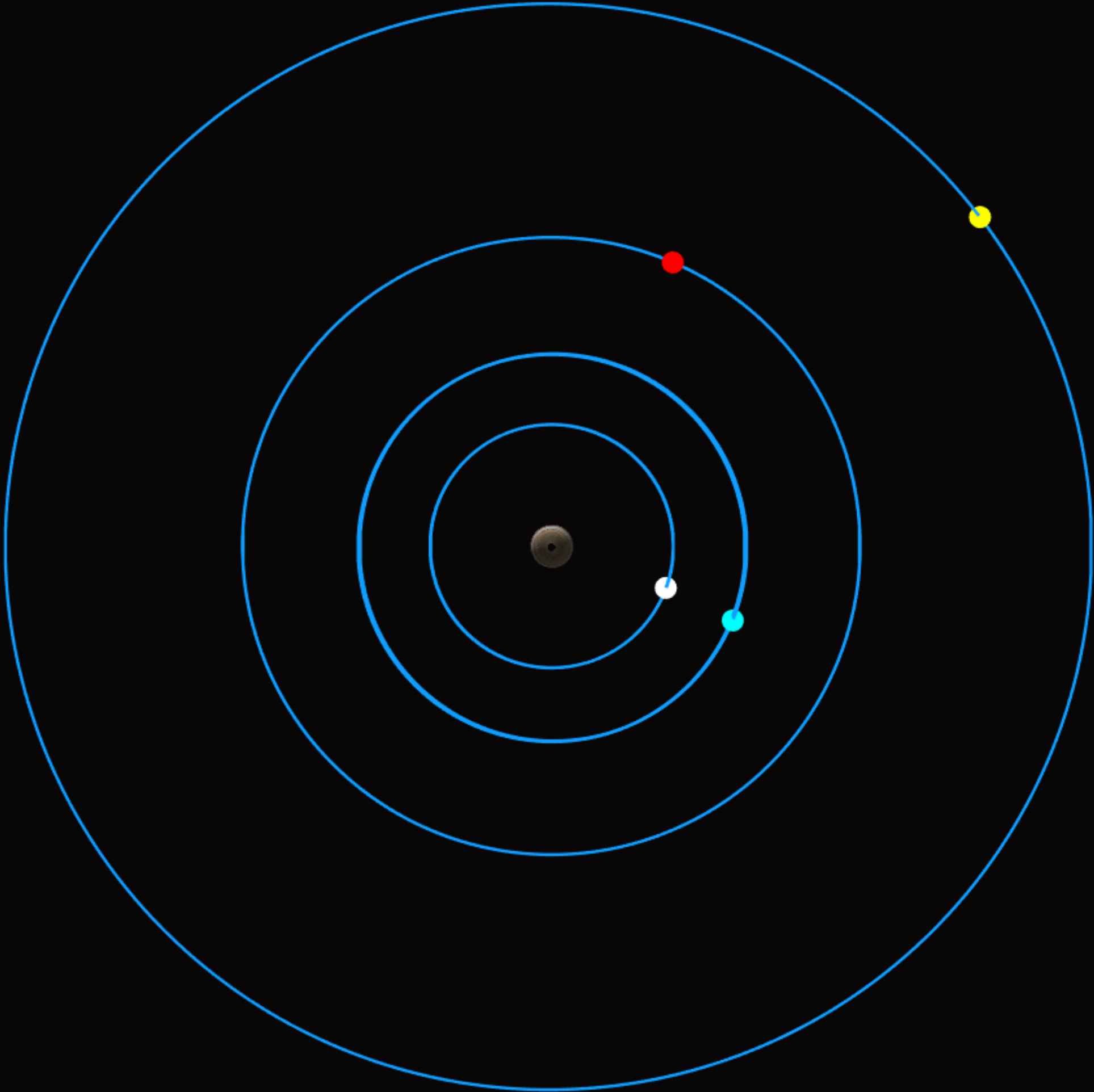
Tour

2032 APR 03 00:00:00

Spacecraft Separation: 70.37 R_J

JUICE —●
Clipper —●

- Io
- Europa
- Ganymede
- Callisto



Merci !

<https://www.esa.int/juice>

**Youtube: the making of JUICE and the
journey of JUICE**