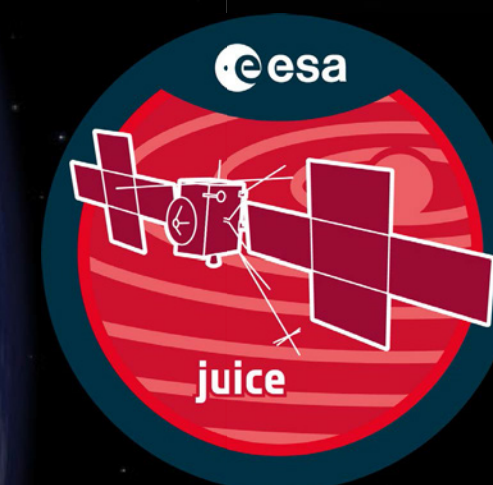




**juice**

**LUNAR-EARTH FLYBY**

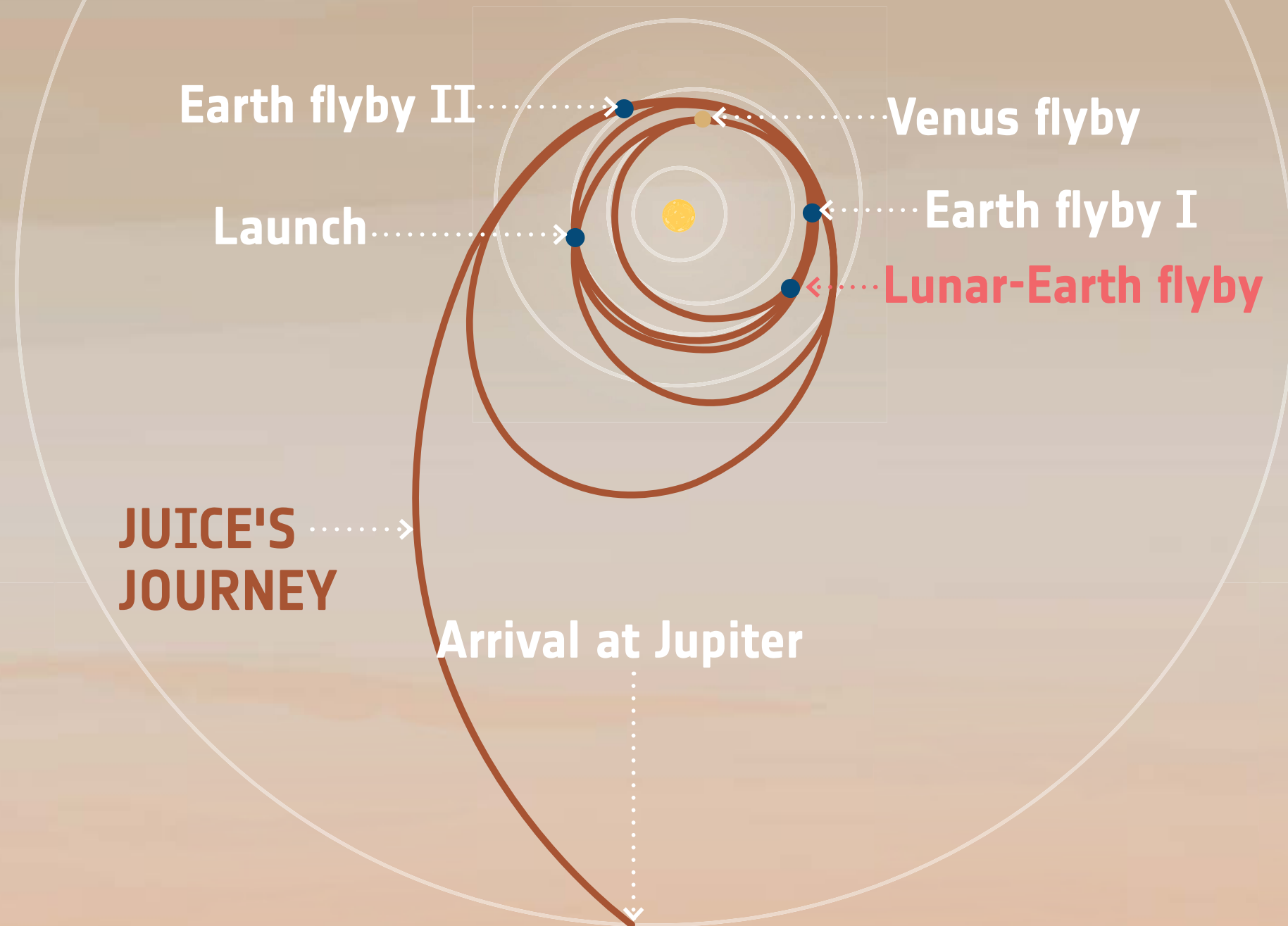
**#ESAJuice #ExploreFarther**



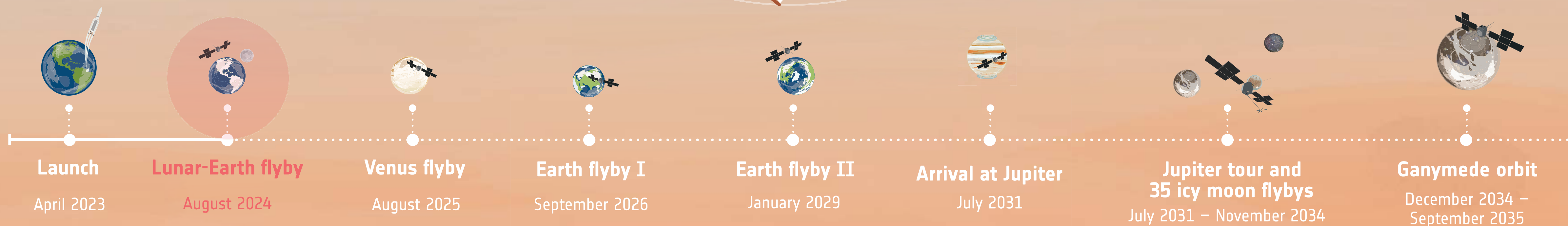
# JUICE'S JOURNEY TO JUPITER: THE LUNAR-EARTH FLYBY

## A world first

- First-ever lunar-Earth flyby
- First-ever double gravity assist
- Brings Juice one step closer to Jupiter
- Saves a huge amount of propellant
- Ensures extra science at Ganymede
- Requires ultra-precise, real-time navigation
- Lines Juice up for a Venus flyby
- Inherently risky

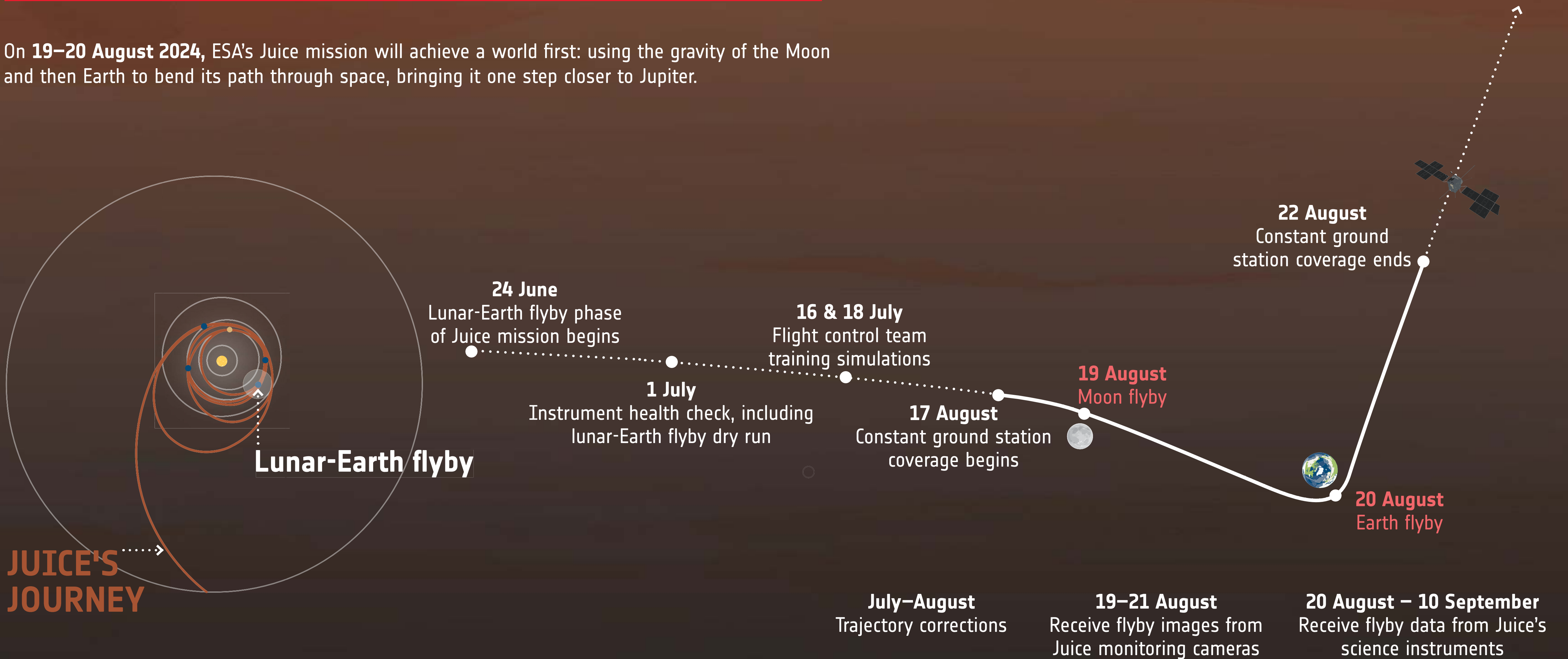


Juice is operated by mission controllers at ESA ESOC (Germany)



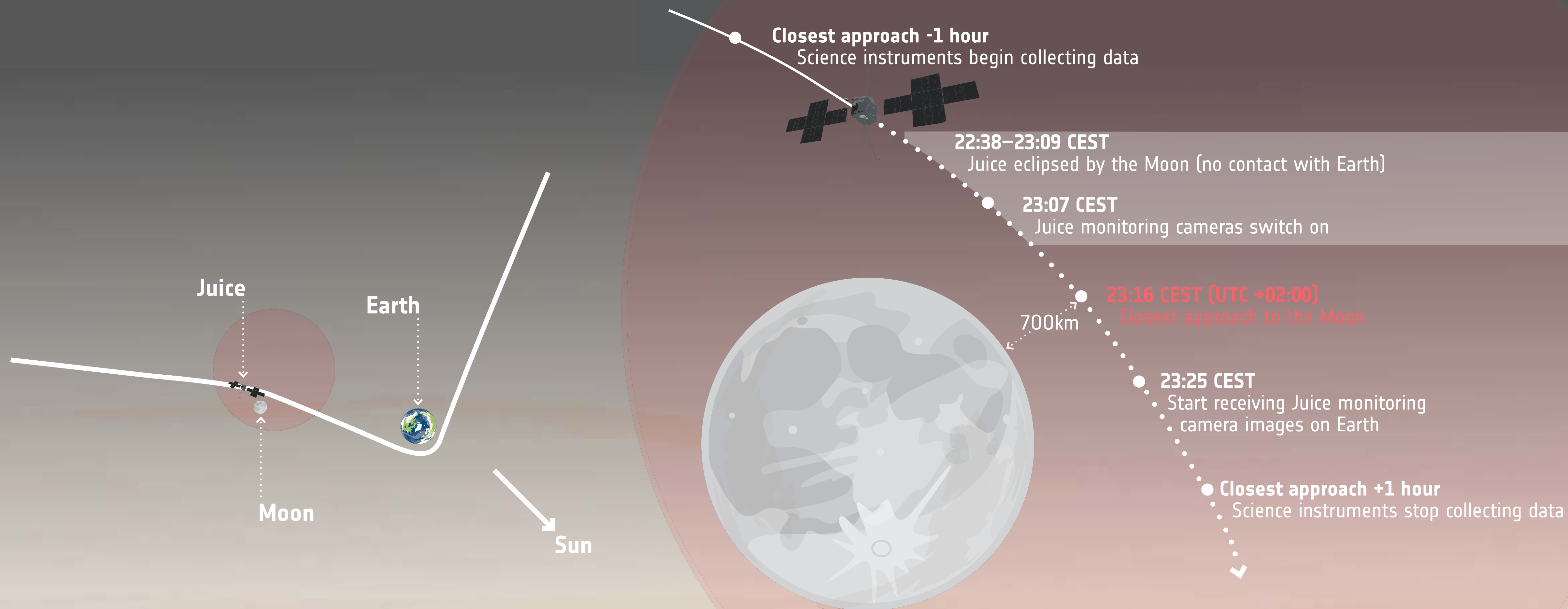
# JUICE'S LUNAR-EARTH FLYBY: THE COMPLETE PATH

On **19–20 August 2024**, ESA's Juice mission will achieve a world first: using the gravity of the Moon and then Earth to bend its path through space, bringing it one step closer to Jupiter.



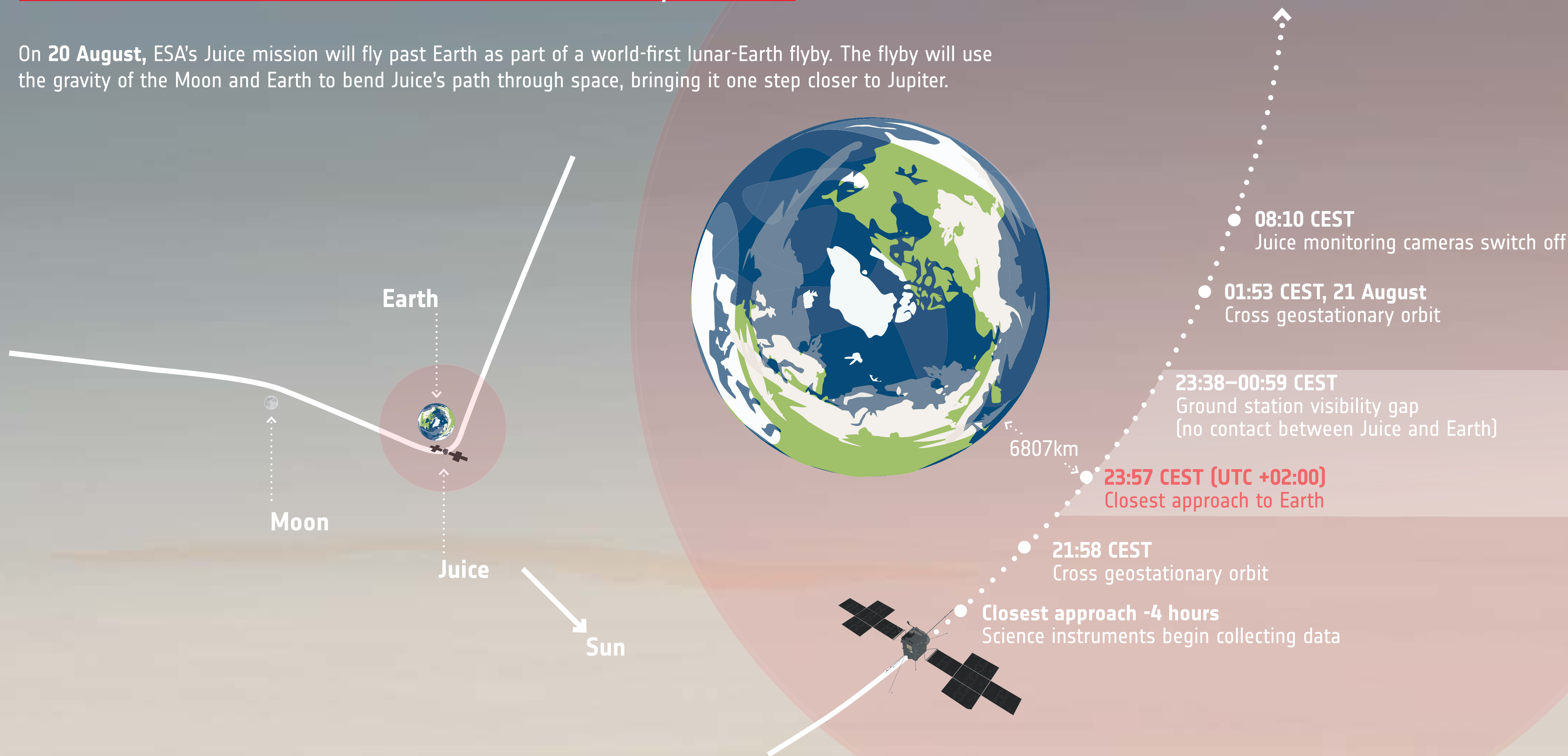
## JUICE'S LUNAR-EARTH FLYBY: STEP I, THE MOON

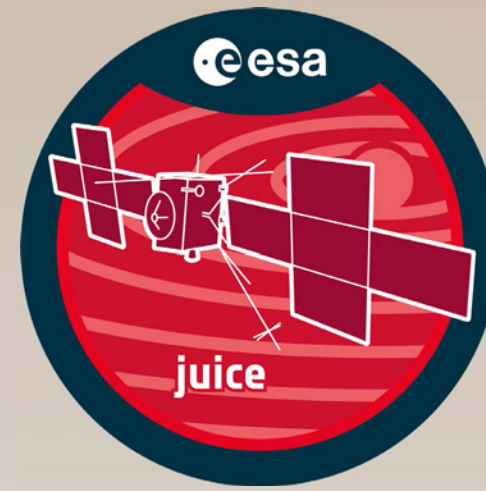
On **19 August**, ESA's Juice mission will fly past the Moon as part of a world-first lunar-Earth flyby. The flyby will use the gravity of the Moon and Earth to bend Juice's path through space, bringing it one step closer to Jupiter.



## JUICE'S LUNAR-EARTH FLYBY: STEP II, EARTH

On **20 August**, ESA's Juice mission will fly past Earth as part of a world-first lunar-Earth flyby. The flyby will use the gravity of the Moon and Earth to bend Juice's path through space, bringing it one step closer to Jupiter.





[WWW.ESA.INT/JUICE](http://WWW.ESA.INT/JUICE)