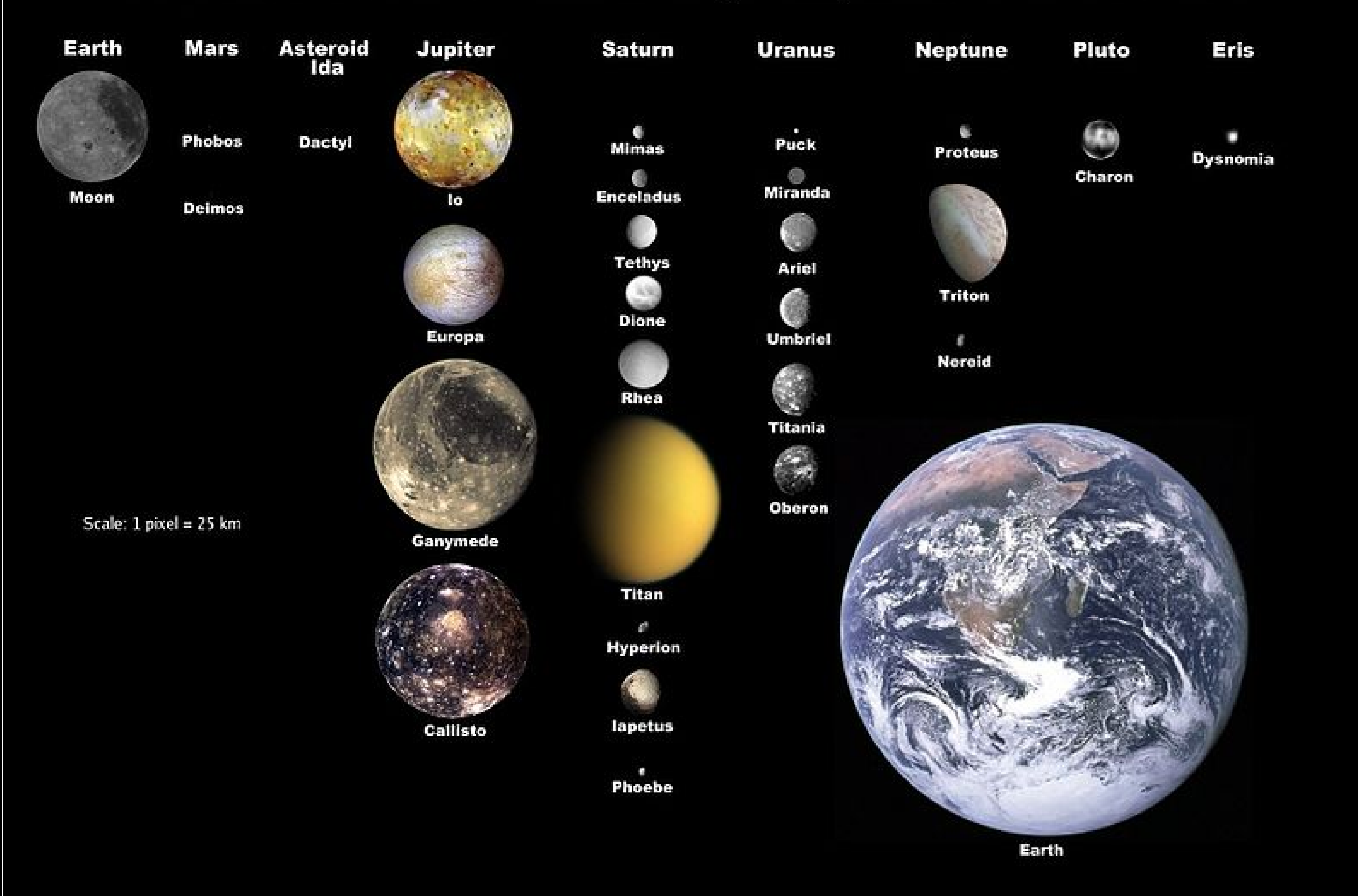
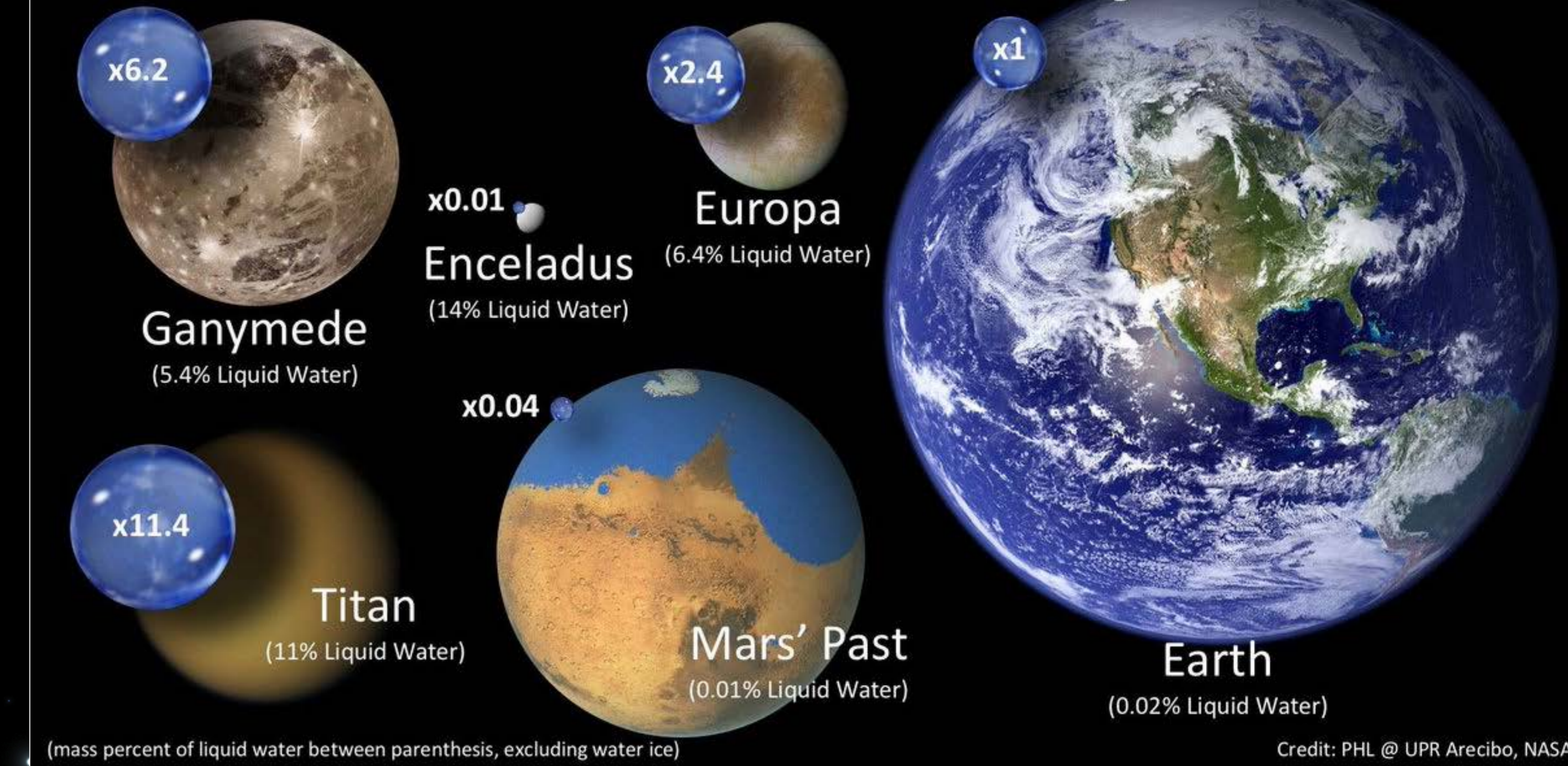


Selected Moons of the Solar System, with Earth for Scale



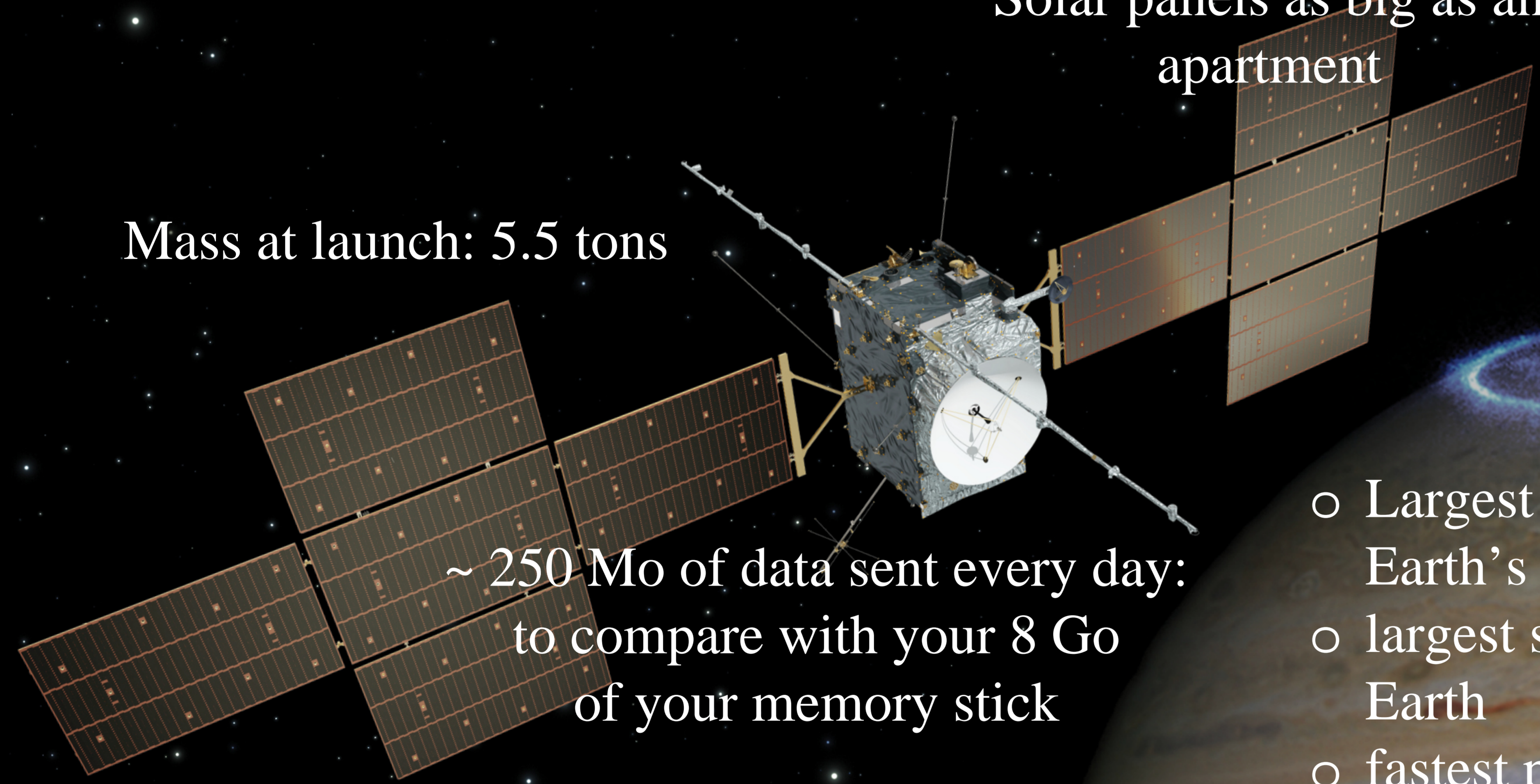
JUICE and Jupiter by the numbers

Oceans in the Solar System



Solar panels as big as an apartment

Mass at launch: 5.5 tons



~ 250 Mo of data sent every day:
to compare with your 8 Go
of your memory stick

Power generated on board: 850 W,
less than a hair dryer

2 orbit insertions:
Jupiter and Ganymede

12 flybys of Callisto

- Largest planet of the solar system: 11 x Earth's size, 300 x Earth's mass
- largest storm: great red spot bigger than Earth
- fastest planet rotation: 10 hours
- largest magnetic field: 15 x Earth magnetic field
- largest moon in the solar system: Ganymede bigger than Mercury
- largest moon system: 79 known moons
- most active moons: volcanoes on Io, plumes of water at Europa

2 flybys of Europa

5 flybys of the inner planets (Venus, Earth, Mars)

15 flybys of Ganymede

Hot and cold:

- Venus flyby solar flux x 2 Earth value
- Jupiter: Solar flux / 25 Earth value
- Temperatures at the spacecraft: from -200 deg to + 180 deg.