

**IT'S EXCLUSIVE!**

# GANYMEDE'S MAGNETOSPHERE

## THE SOLAR SYSTEM'S WEIRDEST MAGNETIC ENVIRONMENT

Magnetospheres are regions around planets dominated by their magnetic fields. They protect the planet from harmful radiation from the Sun and interstellar space.

Plasma from Jupiter spins with the planet, pushing Ganymede's magnetosphere like a tailwind and sculpting its distinctive shape, as shown by the yellow lines.

The only moon with a magnetosphere, Ganymede, is uniquely embedded in Jupiter's protective bubble.

NASA's Galileo spacecraft made the first flyby in 1996, discovering the magnetosphere.

Magnetospheres are important to study as they may be essential for the development of life, since they cocoon planets from harmful radiation.

