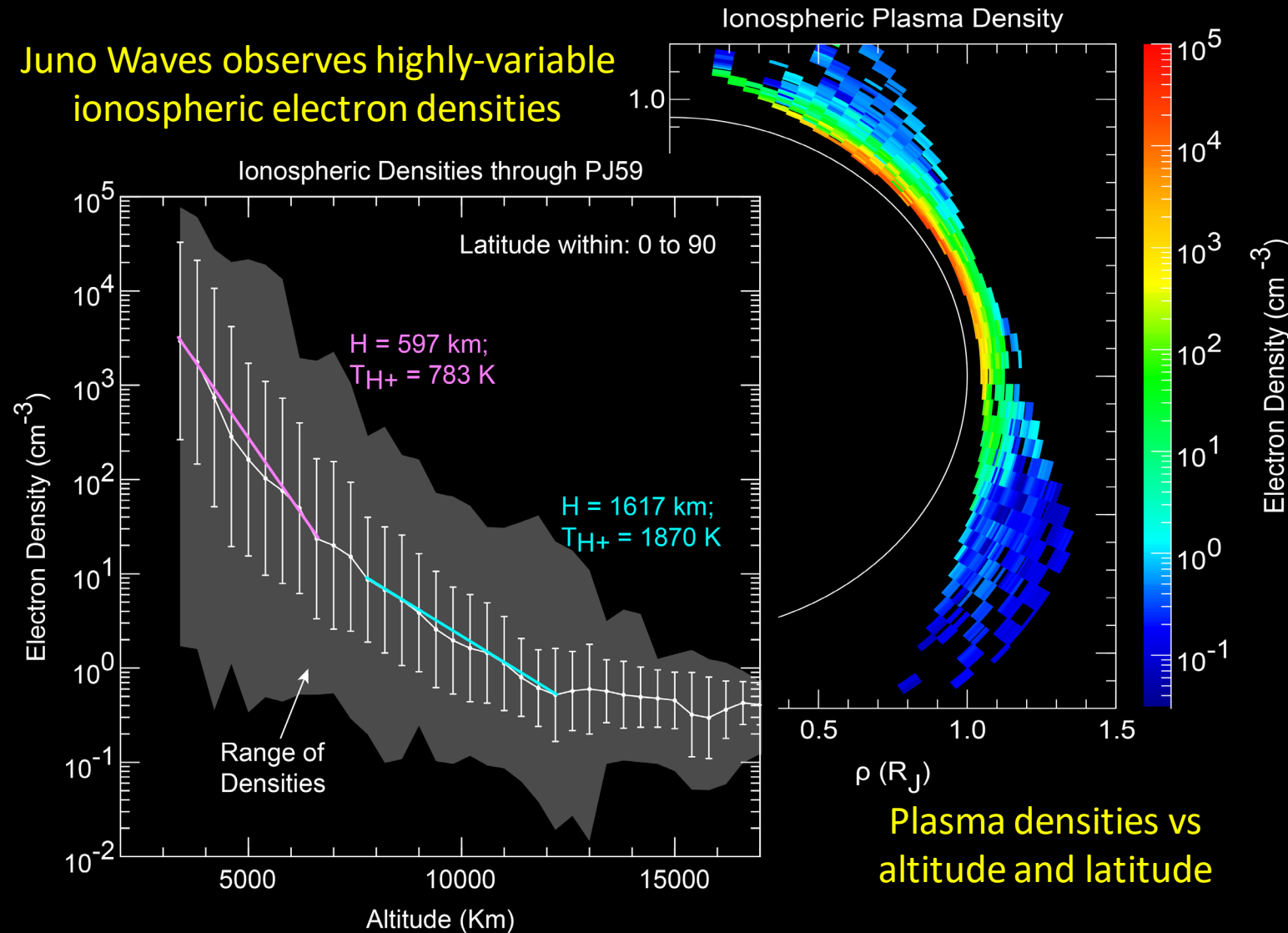




Juno Reveals the Surprisingly Variable Jovian Ionosphere



Juno Waves observes highly-variable ionospheric electron densities



- Juno Waves measures ionospheric densities in situ by Identifying the electron plasma frequency.
- The densities are highly variable in space and time.
- If protons dominate, temperatures range from ~ 800 to $\sim 1900 \text{ K}$.
- Spatial variations in density likely driven by Jupiter's anomalous magnetic field.