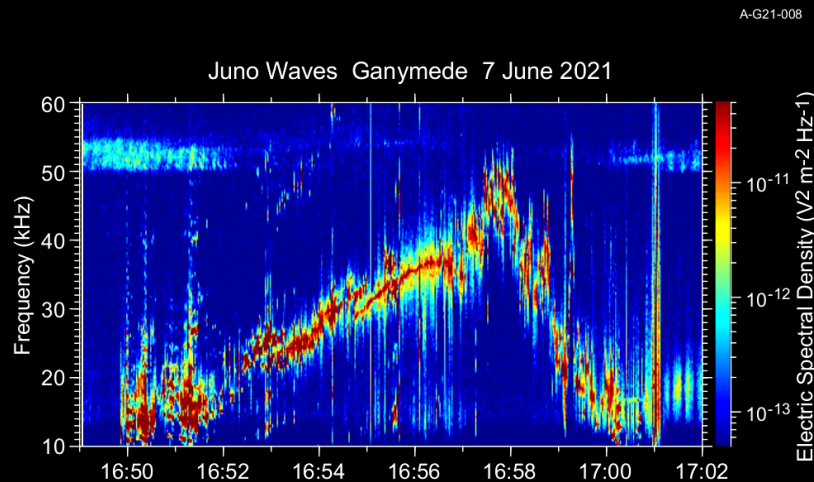


Sounds of Ganymede's Magnetosphere Yield Plasma Densities



This display shows plasma waves at a characteristic frequency as Juno passes through Ganymede's magnetosphere. The frequencies tell us about the number of electrons per unit volume in the magnetosphere.

These radio signals can be converted to an audio track by decreasing the frequency to the audible range and time has been compressed.

- The electron density increases smoothly until ~closest approach, but then jumps by a factor of two and becomes highly variable.
- The jump in density and change in character occurred as Juno crossed from the nightside of Ganymede to the dayside. Is this a coincidence?