Hypothesis

Langmuir-cell induced waves

Langmuir cells advected by inertial currents in the mixed-layer create downward-radiating, high-frequency internal waves

- Stratification inhibits downwelling jets but supports internal waves
- Jets punch thermocline $\Rightarrow$ lumpy thermocline
- $U_{ML}$ advects Langmuir rolls across lumpy thermocline $\Rightarrow$ internal wave freq