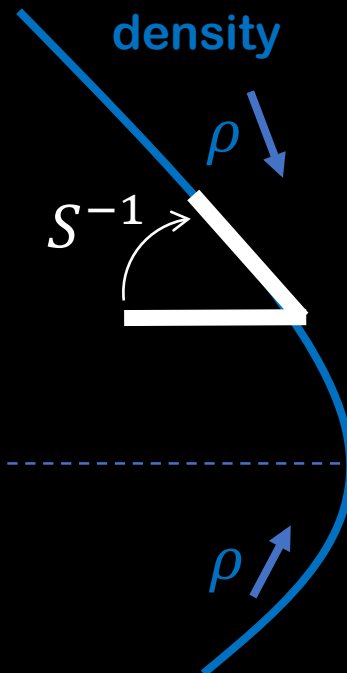
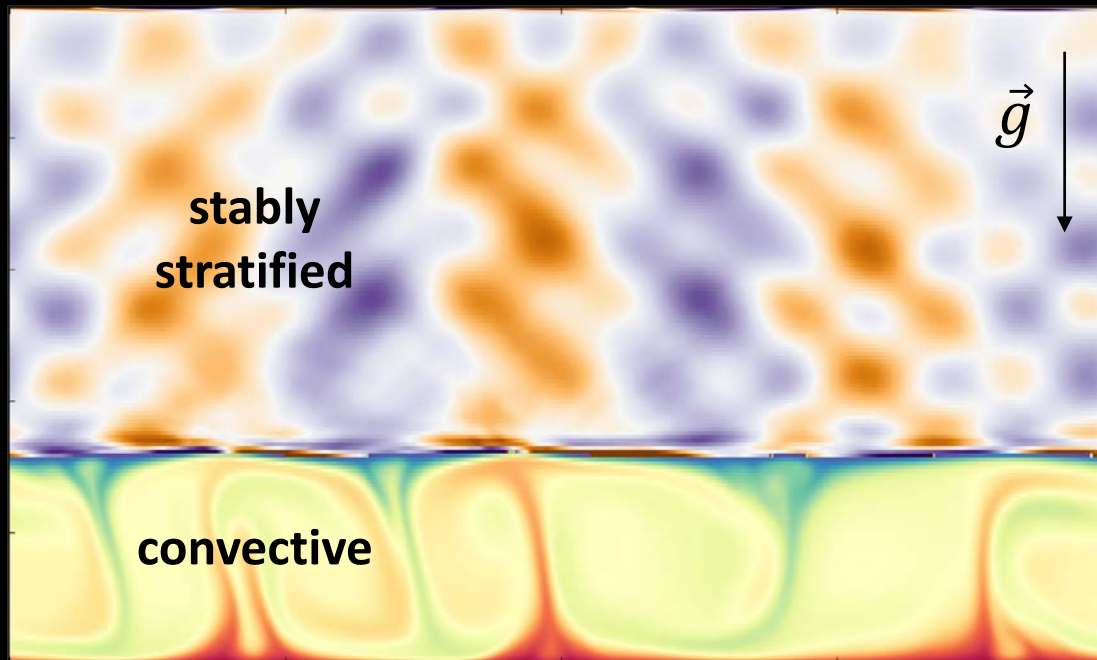


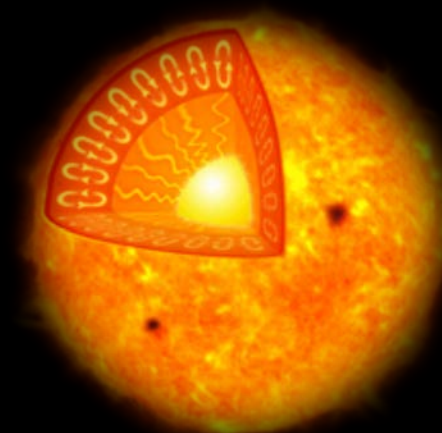
# Dynamics of Convective—Stably-Stratified Fluids

Louis-A. Coustou, Benjamin Favier, Daniel Lecoanet, Michael Le Bars  
IRPHE, Marseille, & Princeton



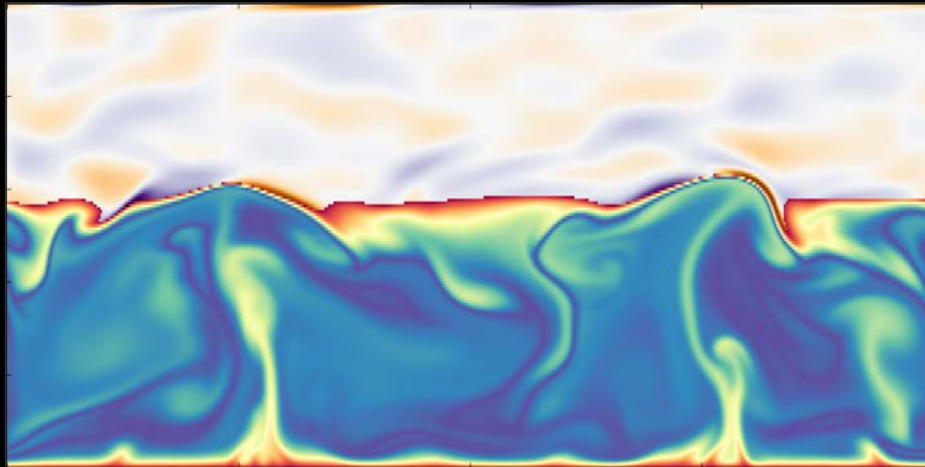
Decoupled dynamics ?

Effect of  $S$  ?  
Waves ?  
Heat Flux ?

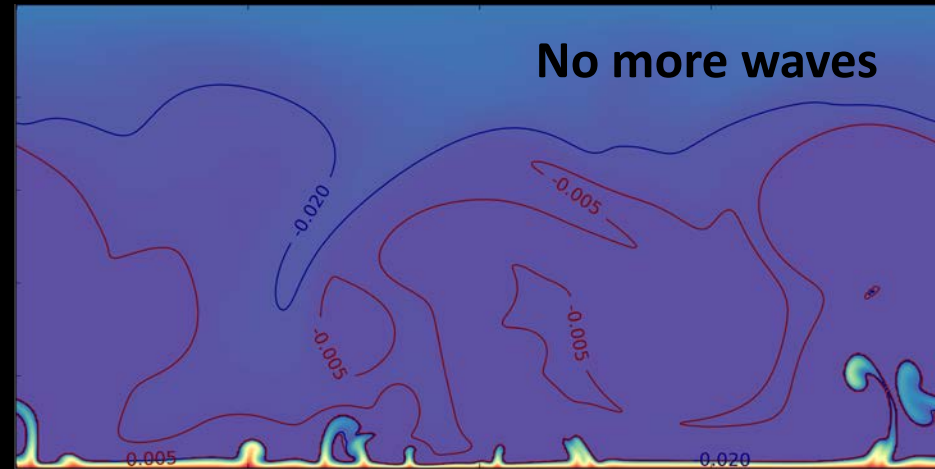


# Results

Less Stratified



Even Less Stratified



Changing  $S$  (the stratification strength) ...

- Changes the Heat Flux
- Break the convective top/down symmetry
- Changes the wave energy spectrum

*... come see me to discuss geo/astrophysical,  
oceanic and meteorological applications !!*