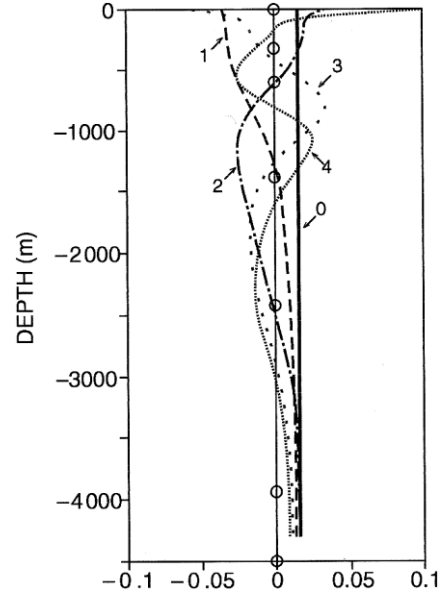
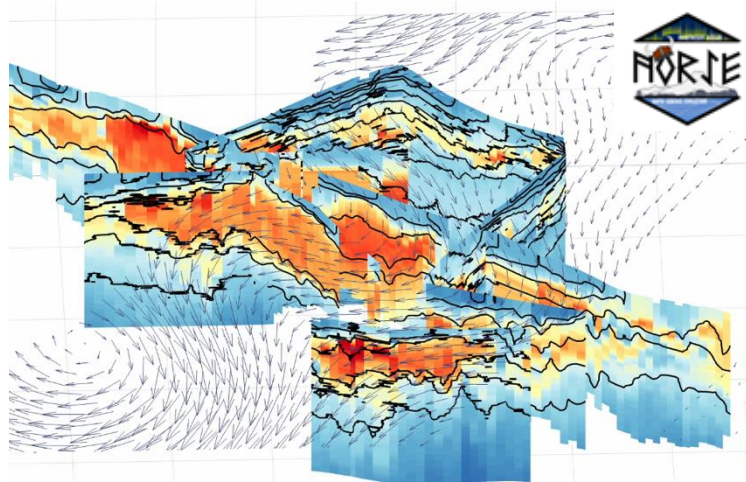
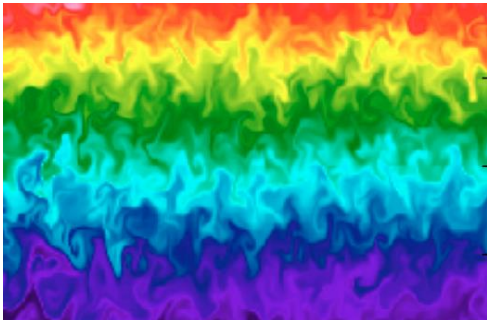


Subsurface Transport From Surface Data

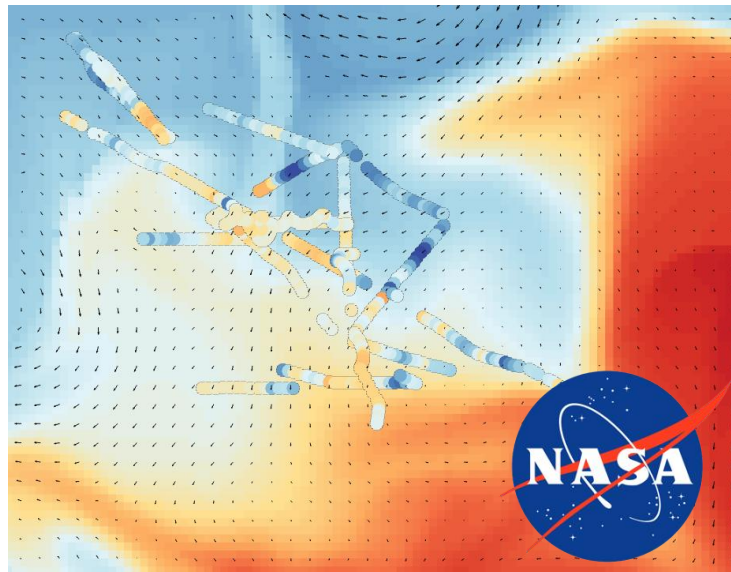
Wunch, 1997; Smith and Vallis, 2001; Scott and Arbic, 2007; Pascual, 2002; Guao et al, 2023; (many others)



Armi and Stommel, 1983
Klocker and Abernathey, 2014

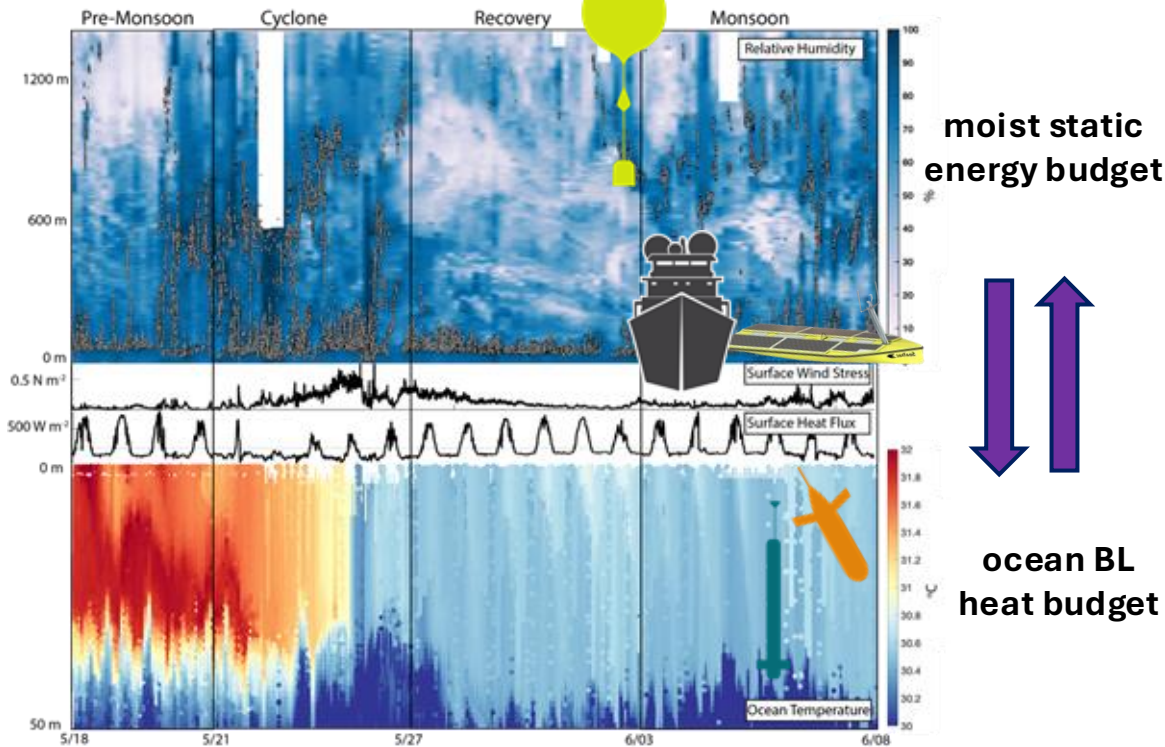


SWOT Geostrophic Velocities Stir Subsurface Tracers



Coupling Heat Budgets Across the Air Sea Transition Zone

Motivated by
Tony Lee's
Talk



moist static
energy budget



ocean BL
heat budget

ASTZ communication
depends on
processes in each BL

e.g. Entrainment
contributed to
0.5-13%
changes in MSE