



Figure 25.9: Strain-induced Periodical Stratification (SIPS) in Liverpool Bay: Turbulent dissipation rate  $\varepsilon$  in  $\text{W m}^{-3}$  from observations by *Rippeth et al.* [2001] (left) and simulations (right) with nudging to observed  $\bar{T}$  and  $\bar{S}$  for two tidal cycles.