

space-step \ Domain(x-z)	$[-40, 40] \times [-80, 80]$	$[-50, 50] \times [-100, 100]$	$[-60, 60] \times [-120, 120]$
$dx = dy = dz = 2$	$N_x = 40$	$N_x = 50$	$N_x = 60$
$dx = dy = dz = 1$	$N_x = 80$	$N_x = 100$	$N_x = 120$
$dx = dy = dz = 0.5$	$N_x = 160$	$N_x = 200$	$N_x = 240$
Time step (dt) Based on CFL			
What to save	Velocity of the aggregate at all time	Perturbation near the aggregate at all time	Can we?
Diffusivity (Peclet)	Salt diffusivity	Thermal diffusivity	water & CO2