

Sensitivity to mesh resolution: Figures

June 1, 2021

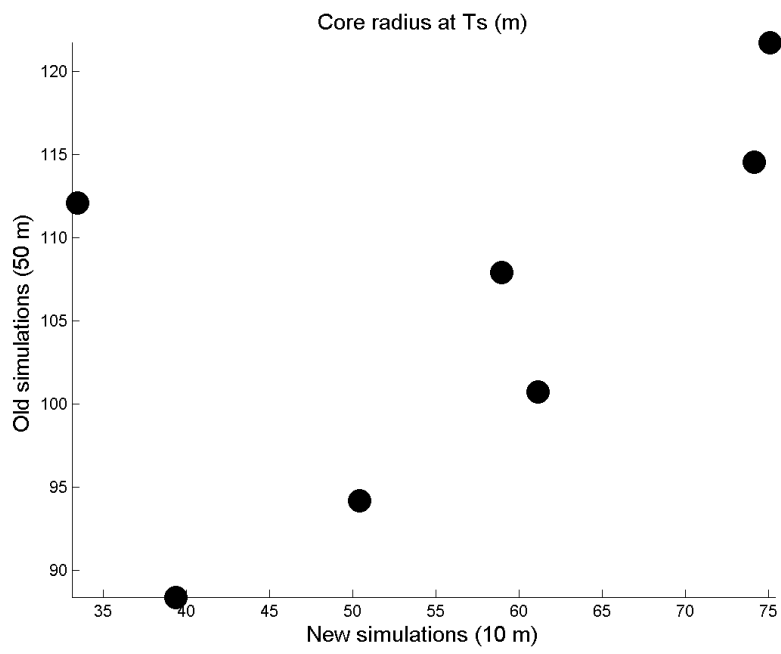


Figure 1: The core radius (m) of the dipole vortices at $t = T_s$.

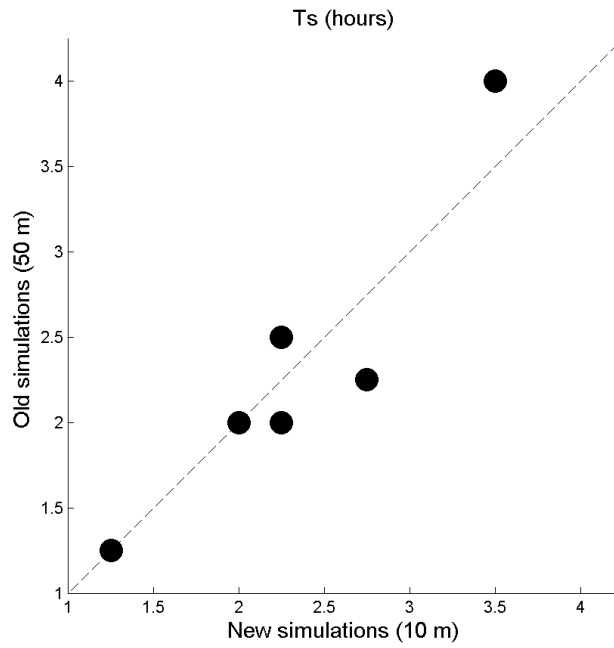


Figure 2: Time of flow separation, T_s , (hours)

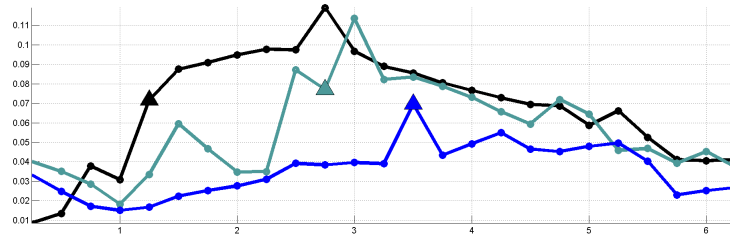


Figure 3: The maximum vorticity at the strait exit at a function of time (hours) for the three example experiments. The time T_s is marked with a triangle on each curve. This figure is the same as Figure 9 in the manuscript, but created from the 10m resolution simulations.

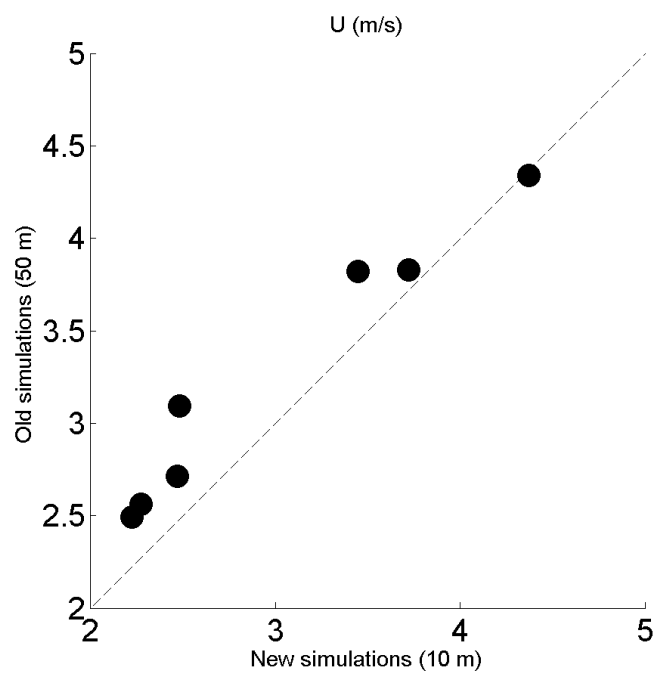


Figure 4: Velocity amplitude (m/s) in the strait

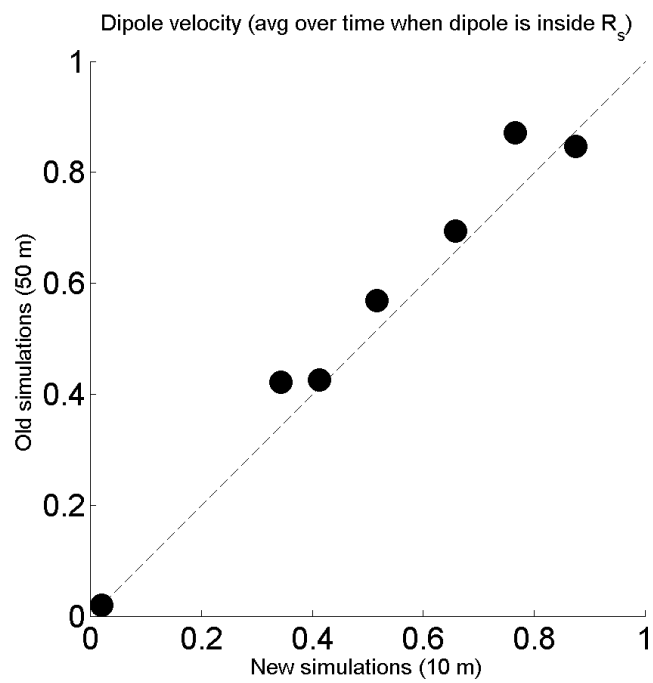


Figure 5: Tracked dipole velocities (m/s).

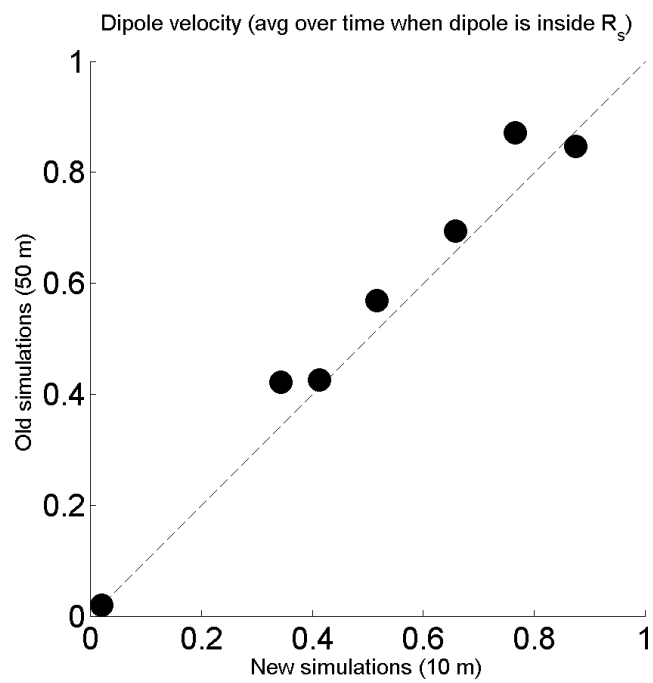


Figure 6: Effective transports