Supplemental Materials

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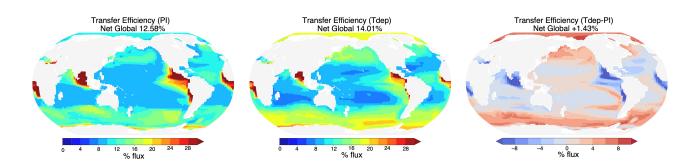


Figure S1. Global transfer efficiency map. Low-resolution configuration for PI control (left) and Tdep simulations (center), as well as difference (right). Net global transfer efficiency is noted.

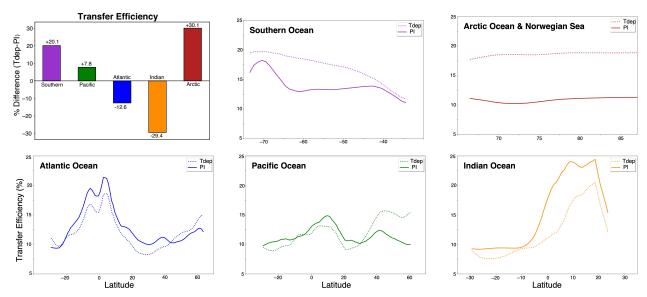


Figure S2. Zonally averaged transfer efficiency. Global assessment of zonally averaged transfer efficiency for low-resolution simulations. Inset shows basin-scale average for transfer efficiency by latitudinal band.

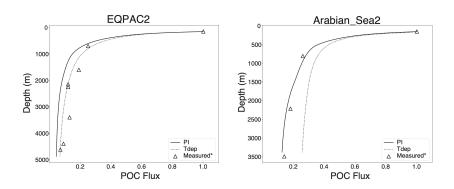


Figure S3. Zonally averaged transfer efficiency. Low-resolution results for two sites differing from high-resolution simulation.

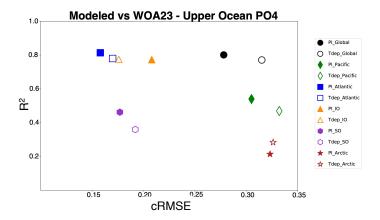


Figure S4. Upper ocean PO4. Low-resolution results for averaged upper 100 meters versus WOA23.