SUPPLEMENTARY MATERIAL: Seasonal and Mesoscale Variability of Oceanic Transport of Anthropogenic CO_2

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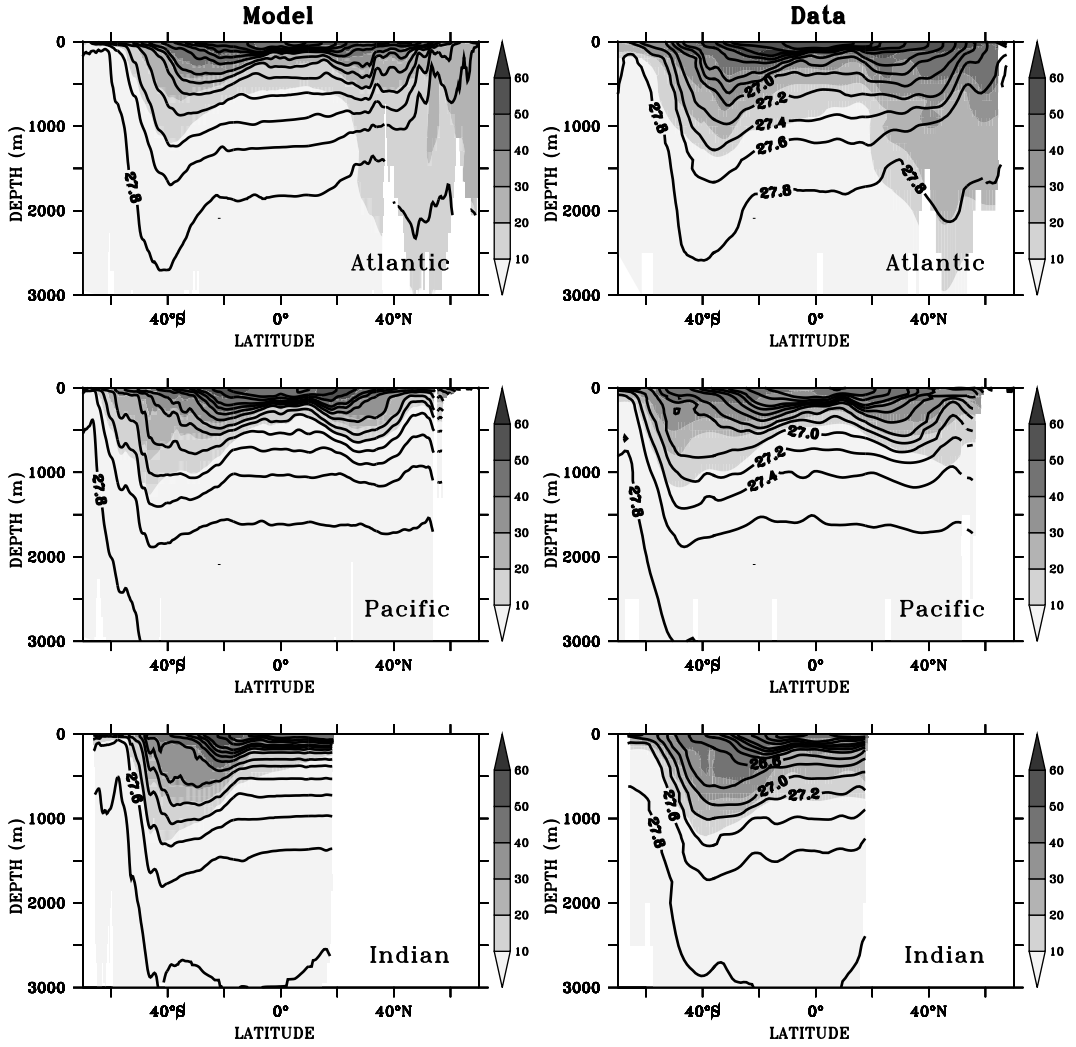

Fig. 1. The potential density field (black countours) superimposed over the anthropogenic CO_2 concentration (in $\mu\mathrm{mol}\,kg^{-1}$) field (shading) along 30°W in the Atlantic Ocean (top), 170°W in the Pacific Ocean (middle) and 85°E in the Indian Ocean (bottom) in 1994, as simulated by the eddy-permitting model (left) and from data (right).

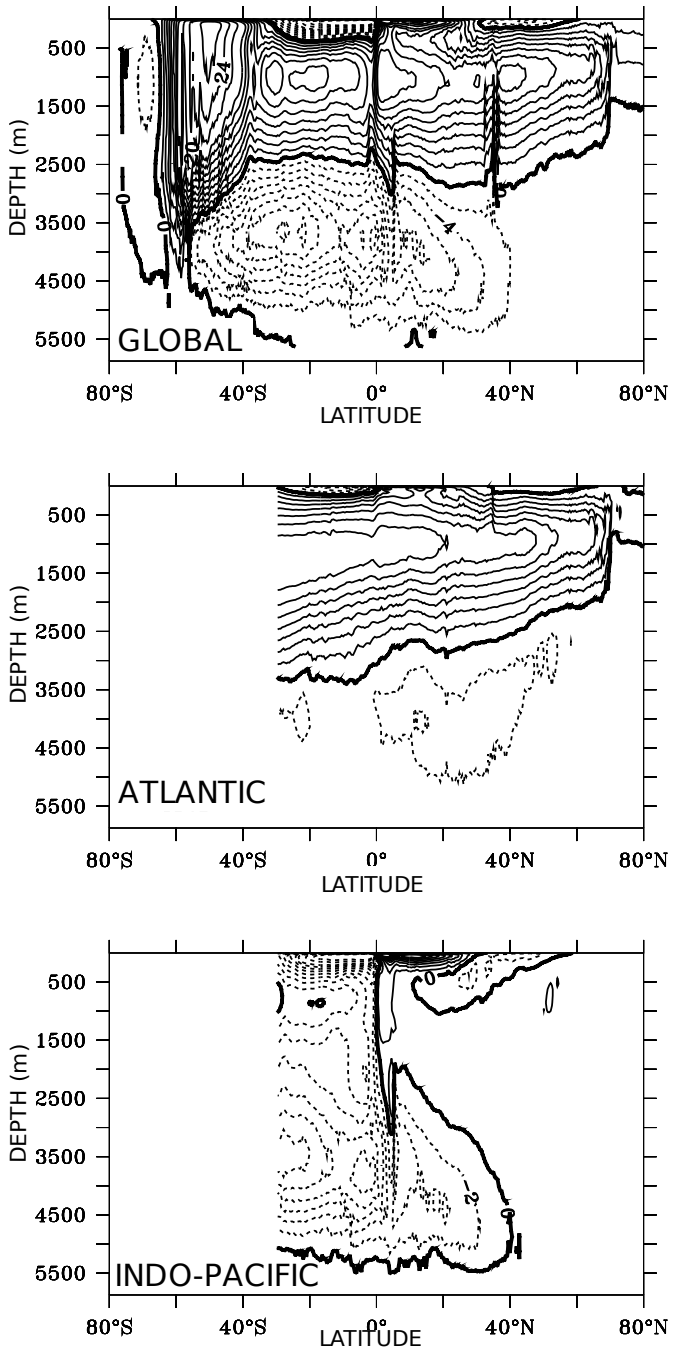

Fig. 2. Simulated annual-mean overturning for the global ocean (top), the Atlantic Ocean (middle), and the Indo-Pacific Ocean (bottom). Negative values are in dotted lines and indicate counterclockwise overturning.

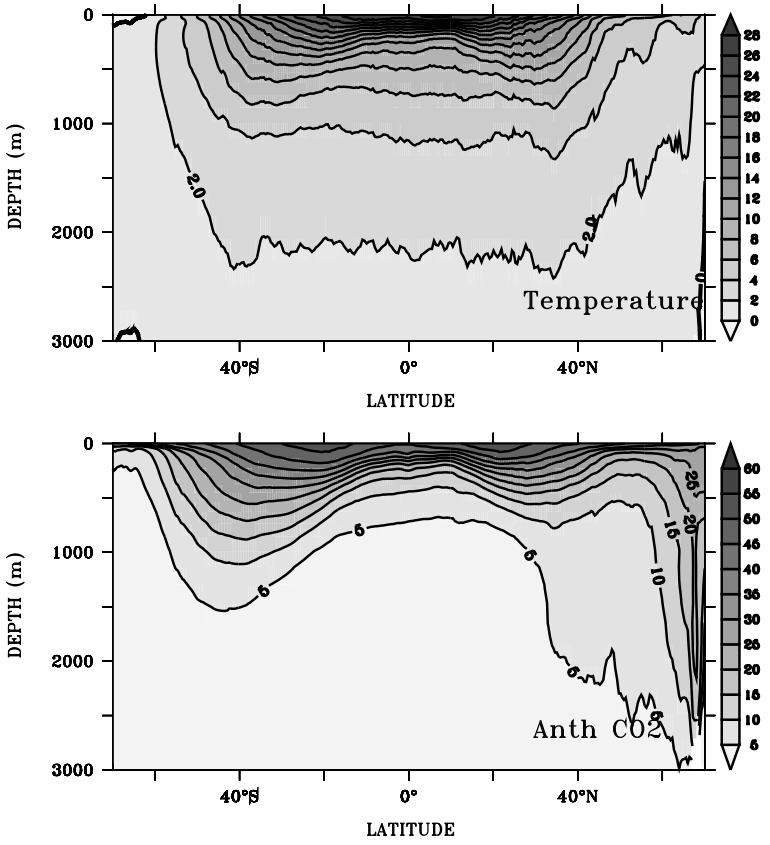

Fig. 3. Zonally averaged temperature (top) and anthropogenic CO_2 (bottom) concentrations over the upper 3000 m, respectively in °C and $\mu mol\, kg^{-1}$.