



Supplement of

Topographic modulation on the layered circulation in the South China Sea

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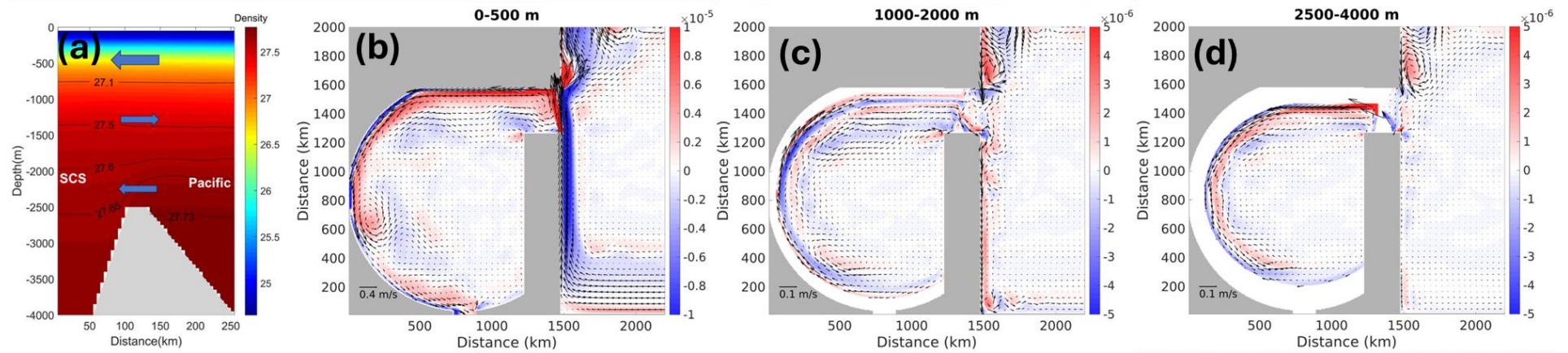


Figure S1. (a) Vertical transect of density (represented by color shading and contour lines) across the Luzon Strait. The left side represents the SCS basin, while the right side corresponds to the Pacific basin. Schematic arrows indicate the direction of the exchange flow between the two basins. (b-c) The horizontal circulation (arrows) and depth averaged vorticity (color) of (b) upper layer 0-500 m, (c) middle layer 1000-2000 m and (d) deep layer 2500-4000 m in the standard case.