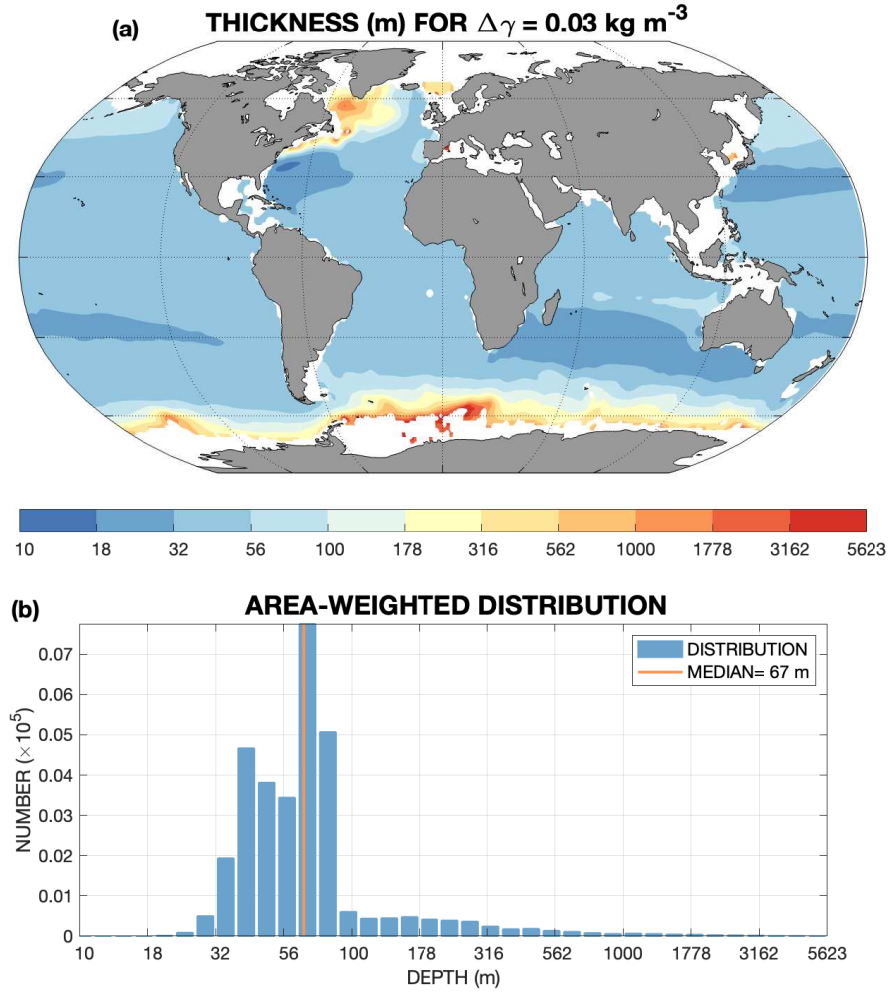


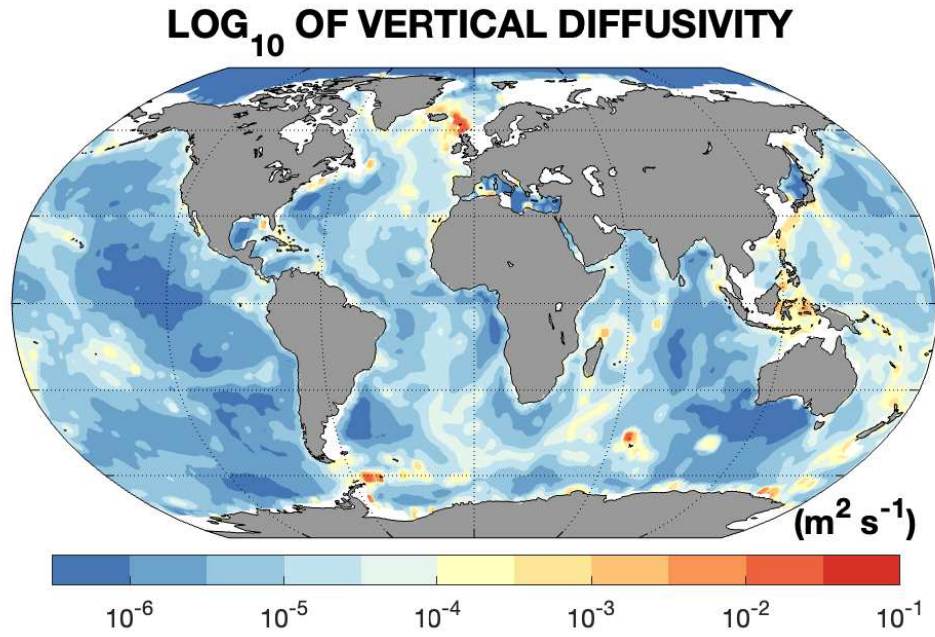
Turbulent Isopycnal Mixing dominates Thermohaline
Transformations of Intermediate Ocean Waters

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Supplementary Information



SUPPLEMENTARY FIGURE 1: **Vertical layer thickness estimated for a density increment of 0.03 kg m^{-3} based on local stratification.** (a and b) Map and distribution of thickness, respectively. The median value is 68 m. Hence we have used $\Delta z=70 \text{ m}$ in (11) as a scaling of the vertical layer thickness in our estimated transformations.



SUPPLEMENTARY FIGURE 2: **Vertical diffusivity at 1,000-m depth.** Vertical diffusivity coefficients^{59,60} at 1,000-m used to assess the temperature and salinity diapycnal transformations.