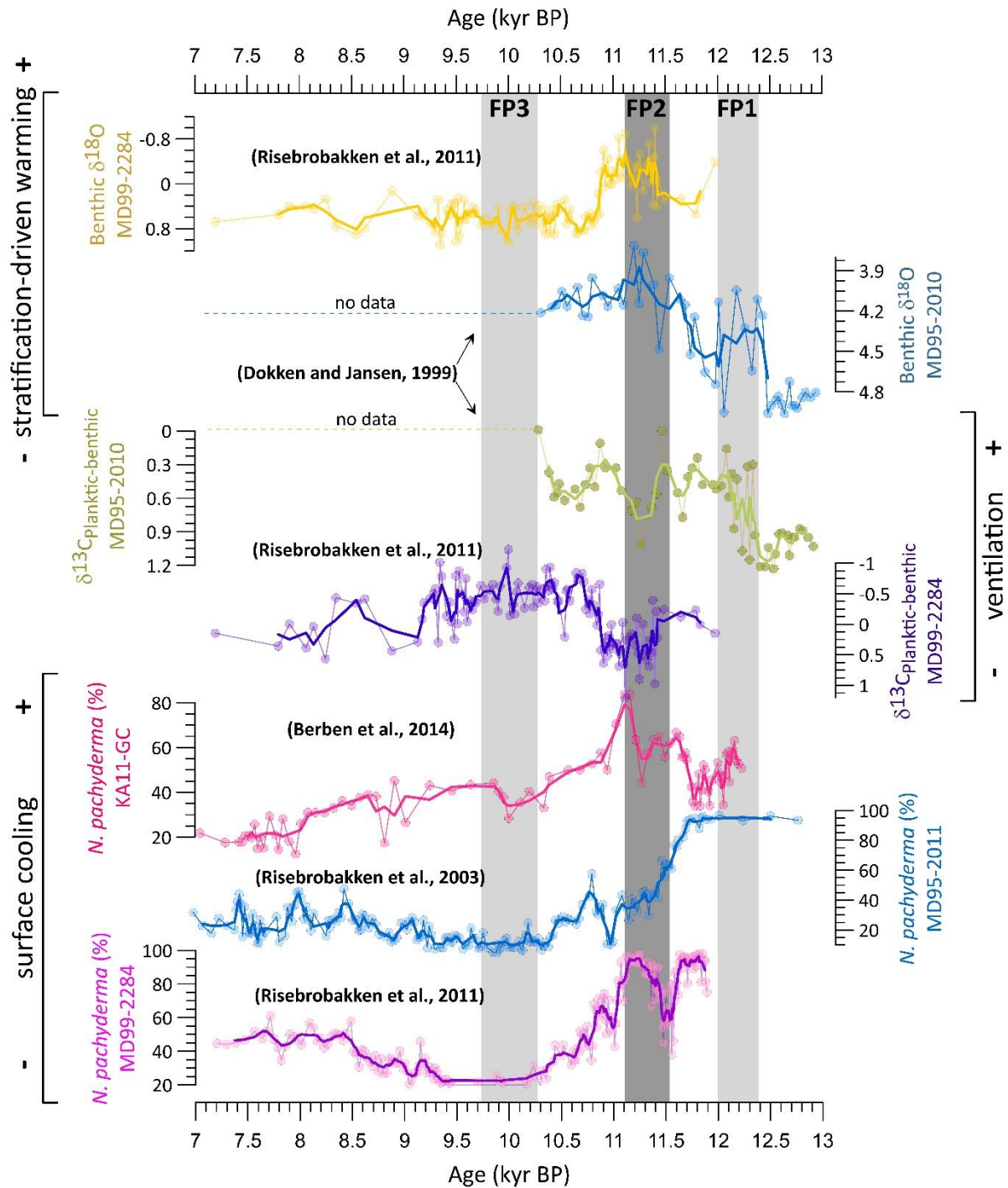
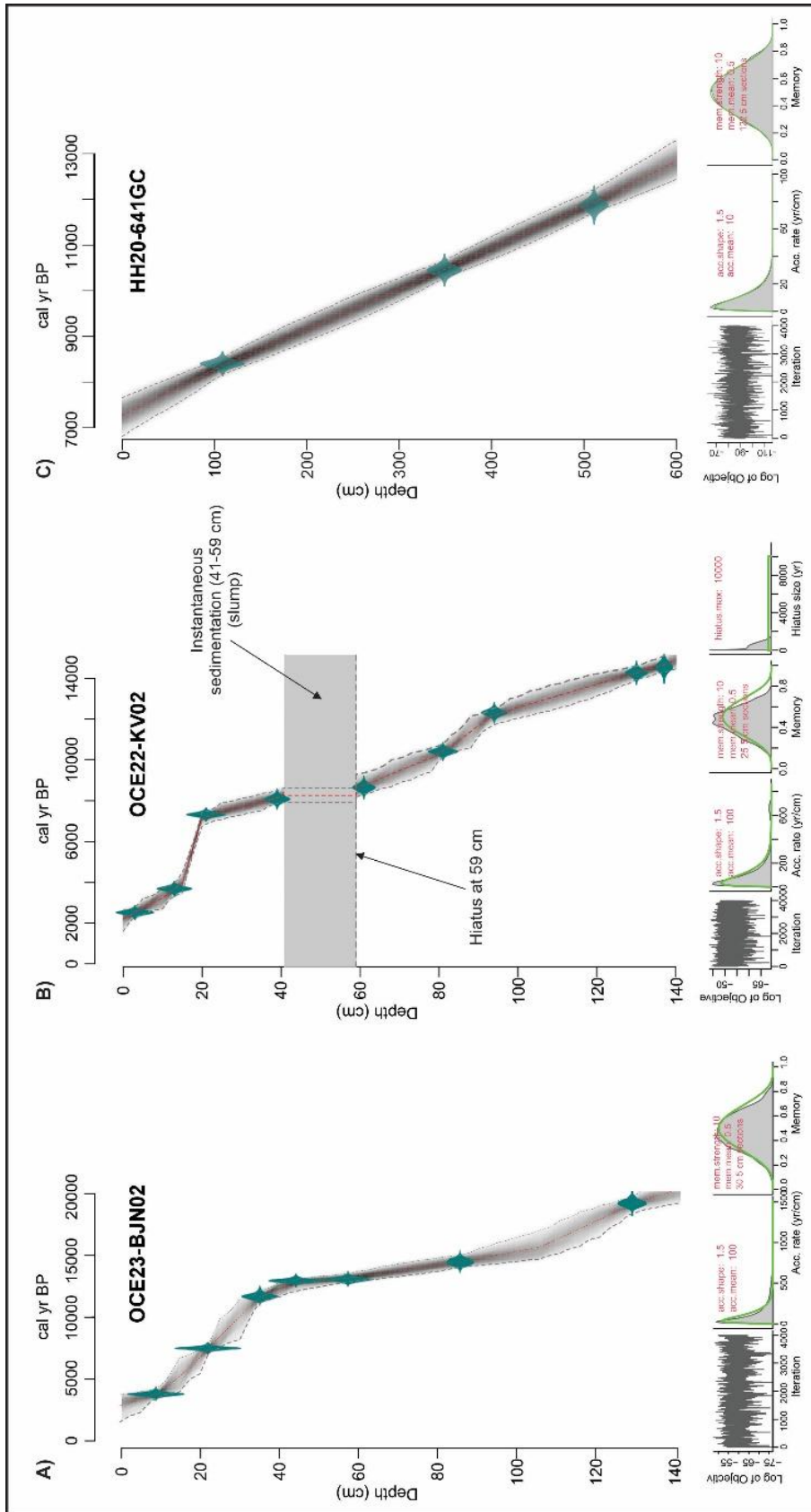


Supplementary Figures:



S1: Time-series of $\delta^{13}C$ values of planktic–benthic foraminifera, and the percentage of *Neogloboquadrina pachyderma* in cores KA11-GC ¹, MD95-2011 ², and MD99-2284 ³. Blue vertical bars indicate freshwater events FP1–FP3 identified in this study, with the darker bar marking the Preboreal Oscillation -related event.



S2: Age-depth models of sediment cores OCE2023-BJN02-GC, OCE2022-KV02-GC, and HH20-641GC. The grey horizontal bar indicates a reworked sediment layer attributed to redeposition caused by the Storegga tsunami event ⁴.

Reference

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