Supplement for

Shoaled glacial AMOC despite vigorous tidal Dissipation: Vertical Stratification matters

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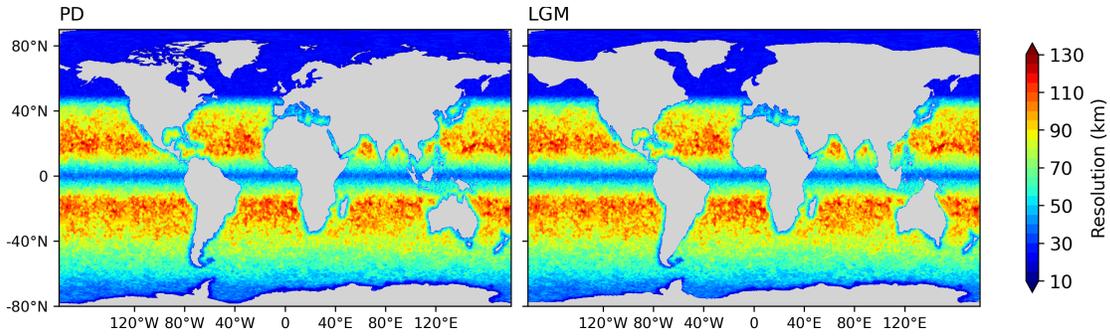
Figure S1: Horizontal resolution of PD and LGM mesh configurations used in this study: PD (126,858 nodes and 244,659 cells) and LGM (104,425 nodes and 203,142 cells) meshes. The two meshes have the same resolution (nominal resolution of 1° in most parts of the global ocean, ~ 25 km north of 50° N, ~ 1/3° at the Equator, 10 km for the Arctic Ocean and Bering Sea).
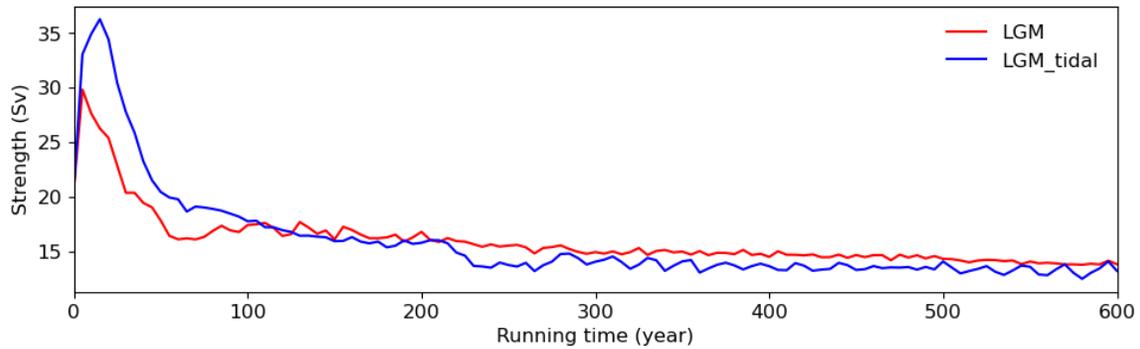
Figure S2: Time series of AMOC Strength (maximum AMOC streamfunction below 300 m at 26.5°N) for LGM cases.

Table S1: Ocean Circulation Indexes of the simulations in this study. "NADW": maximum AMOC streamfunction below 300 m at 26.5°N. "AMOC depth": depth at which AMOC streamfunction is 0. "AABW": minimum streamfunction north of 30°S.

Simulation	NADW (Sv)	AMOC Depth (m)	AABW (Sv)
PD	12.4	2700	-4.2
PD_tidal	11.6	2700	-5.5
PD_glacial_tidal	15.5	4600	-5.3
LGM	13.9	1700	-5.6
LGM_tidal	13.3	1700	-7.9