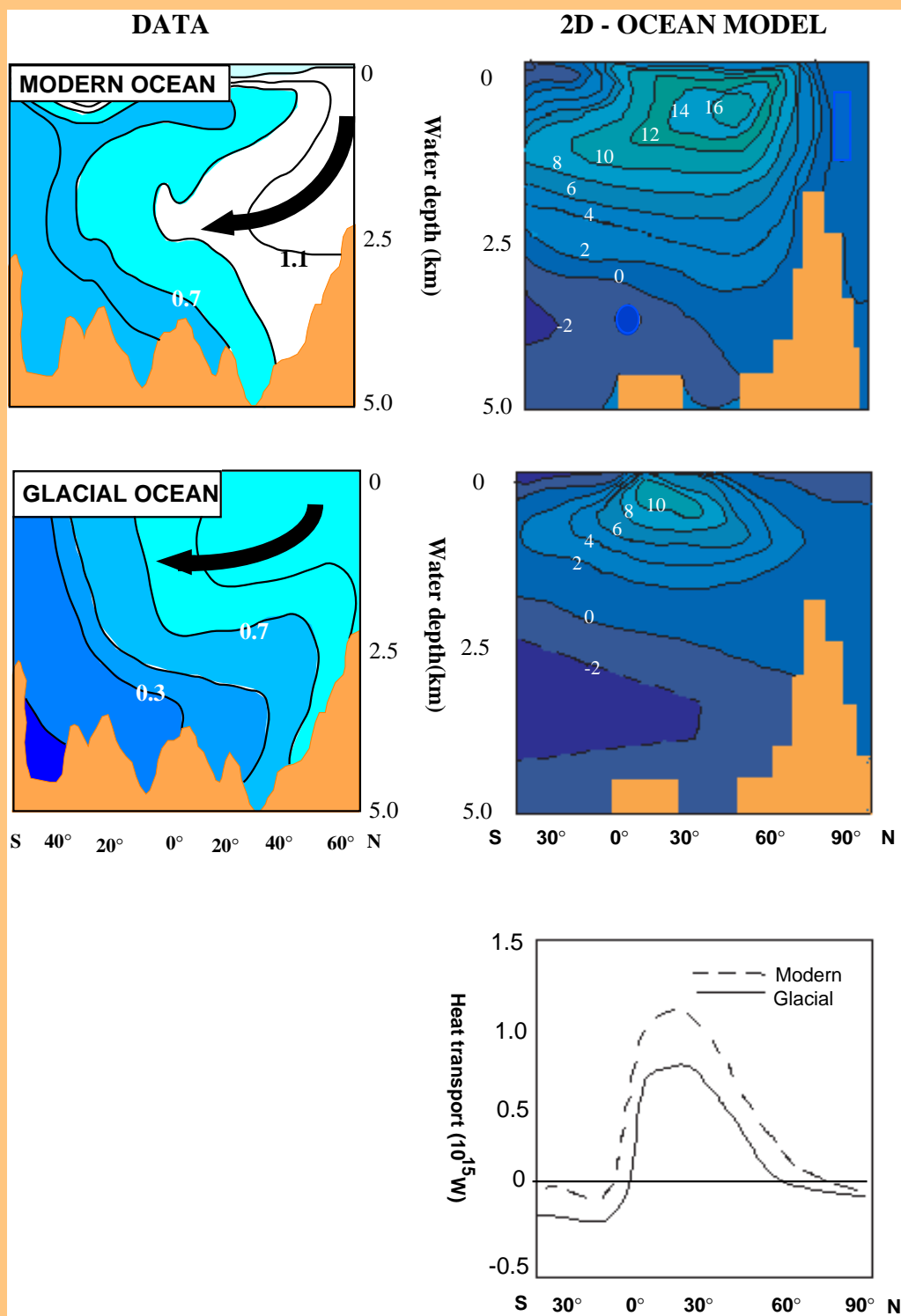


Sudden Changes in the Thermohaline Circulation



Left: reconstruction of the $\delta^{13}\text{C}$ changes across the Atlantic ocean for the modern period (upper panel) and the Last Glacial Maximum (LGM, lower panel); adapted from Duplessy et al., 1988, *Palaeoceanography*, 3, 343-360.

Right: contour of the mean annual meridional overturning stream-function in the Atlantic basin for the modern conditions (upper panel) and the LGM (intermediate panel) calculated by the 2-D Louvain - La - Neuve ocean model (Fichefet et al., 1994, *Nature*, 372, 252-255). The lower panel shows the mean annual meridional heat transport computed for the present and LGM boundary conditions.