

Authors' response

The editor suggested two changes in comparison to the revised version:

1. Change of title to indicate that this is a modelling study
2. Add to discussion section that intra-interglacial marine carbon cycle variability arising from ocean circulation perturbations may not be captured by the model simulations.

We followed the editor's suggestion.

The title is changed to "Modelled interglacial carbon cycle dynamics during the Holocene, the Eemian and MIS 11", and we added two additional sentences to the discussion section page 15, lines 23-25: "Furthermore, the zonally averaged ocean model in CLIMBER2 may underestimate short-term variability in ocean circulation and export production. This was not the focus of our study and should not be relevant for the millennial-scale evolution of the carbon cycle investigated here. However, an impact cannot be excluded."