

Dear editor,

We want to thank you very much for the very useful comments, especially regarding the additional data from MD95-2040 from Voelker & de Abreu (2011) which we had missed in our synthesis. Here are our answers and modifications following your comments:

- 1) Following your recommendation we changed all references to D-O like events during MIS 6 to “millennial-scale warming events” or “millennial-scale variability”
- 2) We added a sentence in the Age model methods to refer to these other examples: “Several other marine records covering MIS 6 in the region are chronologically tuned to speleothems (e.g. Sierro & Anderson, 2022; Tzedakis et al., 2018).”
- 3) Regarding HS11: we are currently working on a paper to be submitted soon and focused on the Termination II interval in ODP 976 and the HS11 complex, with several high-resolution comparison with speleothems (including the study by Stoll et al., 2022) and marine records in order to analyse the multiple phases during the HS11 complex. We added a sentence in discussion (section 5.4) to add this precision: “The fast and multiphase vegetation and climate dynamics evidenced in the ODP 976 record is in agreement with the description of a “HS11 complex” with multiple phases (Tzedakis et al., 2018), and will require more focused attention in a future study.”
- 4) The *N. pachyderma* and IRD curves were updated in Fig. 7 and 9 following the data and age model from Voelker & de Abreu (2011).