

We thank Dr. J.P. Bernal (Editor) for his constructive comments to our manuscript. To facilitate the discussion, we copied his comments below in black and inserted our responses in blue.

Two referees have commented on your recently submitted paper entitled “Thermal evolution of the western South Atlantic and the adjacent continent during Termination 1” in which you are the lead author.

I have read the manuscript as well as the referees comments posted on-line and I agree with their comments and suggestions. Both referees agree that the record presented in the manuscript is of extremely high quality and reveals an interesting story on the multimillennia time-scale and the tele-connections that may be driving them. However, they also agree that the high-resolution sampling of the core permits further interpretations into the centennial-scale processes taking place, particularly during HS-1.

Another common issue found by the reviewers encourages you to include other records from the area, as well as to enhance the discussion regarding the significance of the selected proxies as well as potential lags and leads between such records.

Consequently, I encourage you to answer to the questions/issues raised by the referees and I look forward to read the corrected version of the manuscript.

The comments from Dr. J.P. Bernal (Editor) exclusively refer to topics raised by Dr. L. Barbara (Referee #1) and anonymous Referee #2. Since we already answered those topics and our answers are open access we do not see the need to repeat them here, and we kindly remit Dr. J.P. Bernal to our answers to Dr. L. Barbara and Referee #2.