

Dear Pr. Middelburg,

Thank you for accepting of our article for publication, and for the suggested changes. Your three comments have been taken into account and the manuscript has been amended.

Please note that we have also slightly modified the wording of a sentence in the acknowledgements as follows:

We acknowledge with thanks the financial support from the French Agence Nationale de la Recherche (ANR) – Project CARCLIM under reference ANR-17-CE01-0004-01 ~~to MH and from the Graduate school IFSEA under reference ANR-21-EXES-0011 (France 2030 programme).~~ **This work is part of the Graduate school IFSEA that benefits from grant ANR-21-EXES-0011 operated by the French National Research Agency under France 2030 program.**

Sincerely,

Goulwen Le Guevel

Initial message :

Dear Dr. Le Guevel:

Thank you for submitting your revised version to Biogeosciences. I have read it with pleasure and I am happy to inform you that your paper is now accepted for publication. However, while reading this last version I identified three technical correction.

-p.7, line 169: please provide centrifuge intensity in G-forces (next to rpm).

-p.13, line 296: the word originally does not make sense for a reader. Please delete

-p.23, line 509: please replace revel with reveal.

With best regards, Jack Middelburg, Associate editor