

1. Regarding moving material from the appendix to the main text (suggestion of reviewer #1): The reviewer suggestion is helpful but I also agree with your position to keep the main text as focused as possible. I am fine with keeping the appendix as it is.

R= Thanks for the positive comment to this part which remained unchanged in this new version, except for the additional material that was necessary due to the request of both reviewers for a more detailed explanation of the methods.

2. I am looking forward to read the revised section 4.

R= In this version of the article, we have added part 4 already worked on, with some additional comments to the 1.5-year cycle, of which we found some recently, curiously analyzing some results of work with paleoclimates.

3. other minor comments will be accounted for in the way you already suggested.

R= We have taken into account all the referees' comments, always focusing on improving our work with the constructive criticism that you provide us.