

I have read with great interest the paper of Guitián et al. on the “Variation in calcification of *Reticulofenestra* coccolith over the Oligocene-Early Miocene”. The article presents new data, and the authors might be right in stating that this is one of the first papers of its kind in the studied region. The article merits publication in *Biogeosciences*. And I would suggest some minor corrections.

Specifically, I have the following comments:

General about *Reticulofenestrids*,

In the Early Miocene, the assemblages of Noelaerhabdaceae include many *Cyclicargolithus floridanus*, which are circular shapes. Therefore, I suggest that this specimen (or group) is separated from *Reticulofenestra* group.

Chapter 2

Line 88; How do you estimate the thickness and volume between proximal and distal shields? Please add the details of the analysis method of thickness under the microscope.

Chapter 4

Line 180; It seems that these thicknesses indicate only distal shield size. The reticulofenestrids are placolith groups. How do you analyze the thickness between distal and proximal shields?

Table 1; Please adjust the width size of each cells (e.g. centralizing etc.).

Table 2; Please adjust the width size of each cells (e.g. centralizing etc.).