

Charalampopoulou et al. provided a (new) revised high quality and well written version of the manuscript: “Environmental drivers of coccolithophore abundance and calcification across Drake Passage (Southern Ocean)”. As I mentioned in the first review, it is actually a very interesting piece of work.

I went through both reviews (including responses) and checked carefully the new version of the manuscript, and I consider that the authors took into consideration all the suggestions provided. Charalampopoulou et al. extensively replied to the majority of the comments and convincingly rebutted the rest. They even improved by adding updated information from the Great Calcite Belt (Balch et al., 2016), just published last month.

I was a bit confused with the number lines included in the “response to the Anonymous Referee #1”, because they do not match with those in the last version of the manuscript (e.g. in the 2<sup>nd</sup> response line 550 should be 536, 643 should be 631). However, I do not think this is relevant.

I would only comment on:

Line 913: Double check if you need “pp.” before the number of pages.

Line 925: The year is missing.

Fig. 5: I would enlarge the dashed line from A to D (instead only to C). That will make it easier for the reader.