

## **Response to RC4**

**Title: “Biogeochemical Layering and Transformation of Particulate Organic Carbon in the Tropical Northwestern Pacific Ocean Inferred from  $\delta^{13}\text{C}$ ”**

**In this document, we present the response to Referee’s comments repeated in [blue](#).**

[Thank you for your careful review and helpful feedback. We have addressed your two final comments as follows:](#)

**1. L53-54 You forgot to insert Oxygen Minimum Zone before (Reinthal et al., 2010)**

[We apologize for this oversight. We have now inserted “Oxygen Minimum Zone” before the citation \(Reinthal et al., 2010\) as suggested.](#)

**2. L104 Why did you delete the brand of the CTD? I think Seabird should still be mentioned here.**

[Thank you for pointing out this issue. We have reinstated the brand name \(“Sea-bird SBE911, United States”\) for the CTD to maintain consistency and clarity.](#)

[In addition. We have revised the Author Contribution section to use author initials as requested.](#)

[The manuscript has been updated accordingly, and we will ensure these changes are reflected in the final submission. Please let us know if any further adjustments are needed.](#)