

Dear Dr. Lennart de Nooijer

We kindly thank you for your effort in reviewing our manuscript. We have included all minor comments in the revised version of our manuscript.

Yours sincerely

Anna Jentzen and on behalf of all co-authors

### **Minor Comments:**

page 1, line 36/37: even though it is shown for a species not studied by you, please include a reference to Kozdon et al. (2009; Chem Geol) as an example how life stage (encrustation) can influence oxygen isotopes.

We added this information P2L1-2: Additionally, encrustation of foraminiferal tests, at the end of the life cycle, results in higher  $\delta^{18}\text{O}_{\text{calcite}}$  compared to non-encrusted specimens (e.g. Kozdon et al., 2009).

page 2, line 7: 'Russell'

Done.

page 2, line 34 and further: please use 'rose Bengal' instead of 'Rose Bengal'. I assume the rB was dissolved in the ethanol: was the concentration of rB in the ethanol 2 g/L? or 4 g/L (and hence 2 g/L after mixing with 50% seawater?).

We added this information. 2g rB was dissolved in 1 L ethanol and then it was added to the seawater sample.

Figure 1: could you reverse the temperature scale bar? From the caption it is not (immediately) clear what the numbers at some stations refer to. Please include e.g. by referring to Table 1.

Done.

page 4, line 21: replace 'and' by 'or'.

Done.

page 4, line 22: replace the second 'and' by 'or'.

Done.

Figures 2 and 3: salinity has no unit.

We have deleted "psu" in the text, figures and supplement.

page 5, line 20-22: this sentence appears superfluous to me: consider removing.

Done.

page 5, line 26 and elsewhere: salinity has no unit.

Done.

page 9, line 15: 'Russell'

Done.

page 9, line 31: 'calcifies'

Done.

page 11, line 23: I don't need to be mentioned in the acknowledgements.

Done.