

Corrections for the suggested changes from the Editor from 2nd October 2024

*We hereby acknowledge that we have addressed all the minor comments specified below. Our responses are in italics.*

*Sincerely,*

*Nina Bednarsek, on behalf of all the co-authors*

Minor comments:

L: 138: NaOH (black line), Na<sub>2</sub>CO<sub>3</sub> (dotted), white in Fig. 1, please adjust- *Done*

L257: Sentence, please modify: "...whatever was the best(-fit) a determined?..." - *Done*

L276: Please check the sentence. - *Corrected*

L479: Please check the sentence "...understand the extent can OAE offset..." - *Corrected*

L837: Please check the sentence "We have added NaOH study until..." - *Corrected*

Fig. 2: please add information about the grey shade; prediction error?

*We have added this info.*

Fig. 3: Legend is very small, and it is hard to distinguish some of the symbols, e.g. 10 and 300 micromol addition of NaOH. Are 50 micromol steps really necessary here? There is no x and y-axis scale, as in the previous version. Why? Please include the scale again, as this is showing real data and not only a theoretical approach as in Fig. 2.

*We have corrected the figure.*

Figure 7: remove y= and x= . *Corrected*

Fig. 8: What are the thresholds lines (TA:DIC?), please specify, is it necessary to show all the different vertical lines or can this information be reduced?; remove y= and x= .

*We have now significantly reduce the number of thresholds and given that this now does not cause the redundancy and overcrowding of the figure, we have opted to keep it in as we*

*think it is informative and quick to grasp for the readership. We hope you agree with our choice.*