

Explanation for the requested corrections

CE1: Approved.

CE2: “nanno ooze” is a specific type of marine sediment and this is the correct spelling for it.

CE3: This change of “/” to “or” is incorrect. The oxygen isotope fractionation factors always refer to a phase couple (mineral/mineral or mineral/water) that is commonly reported by the scientific community as “phase1/phase2”. Therefore the correct way to write this expression is “serpentine/water oxygen isotope fractionation factors”.

CE4: The specification “(free)” can be left in the sentence, but without a dash before it. The use of this term “free” in brackets aims to specify that the expression “excess H₂O” has the same meaning of another common definition, “free H₂O”. Alternatives might be “excess H₂O (also referred to as free H₂O)” or “excess or free H₂O”.

CE5: This change has been made in order to make a long sentence clearer. The meaning of the section was not modified.

CE6: The title has been shortened and kept more general to better reflect the content of this section that is not only focused on the bulk, but in the first part also on the single phases.

CE7: This change is necessary because the sentence as it is written has no meaning and does not properly describe what the figure shows. “Modelled $\delta^{18}\text{O}$ values and fluid amount for the system metabasalt_(h) + metasediment_(c)” is correct. An feasible alternative that keeps the word “released” in might be “Modelled $\delta^{18}\text{O}$ values and released fluid amount for the system metabasalt_(h) + metasediment_(c)”.

CE8: This change is necessary because the sentence as it is written has no meaning and does not properly describe what the figure shows. “Modelled $\delta^{18}\text{O}$ values and fluid amount for the system metabasalt_(a) + metasediment_(t)” is correct. An feasible alternative that keeps the word “released” in might be “Modelled $\delta^{18}\text{O}$ values and released fluid amount for the system metabasalt_(a) + metasediment_(t)”.

CE9: Approved.

TS1: Approved.

TS2: The equation form is correct. The subscript “i” should be in italic as the subscript “j” below.

TS3: Approved.

TS4: Approved. Being this the standard, the same has to be applied at p.9, section 3.3.3 to the range 15.4–16.4‰ that has to be reported as 15.4‰–16.4‰ (modified in the pdf).

TS5: The initial is M. Added in the pdf file.