

**Author's Response to Editor Comments on:** "Six years of continuous carbon isotope composition measurements of methane in Heidelberg (Germany) – a study of source contributions and comparison to emission inventories"

We thank the editor for accepting the manuscript for publication in Atmospheric Chemistry and Physics, subject to a few technical corrections. We will incorporate these corrections in the revised manuscript.

**General Comments:**

[Editor]

Dear Dr Hoheisel

Many thanks for your revised manuscript, which I am happy to accept it for publication in Atmospheric Chemistry and Physics subject to a couple of technical corrections:

I. 30/Eq. 1: Chemical symbols cannot be subject to mathematical operations, so please use an appropriate physical quantity symbol to write the isotope ratio, e.g.  $R = N(^{13}\text{C})/N(^{12}\text{C})$  [with N in italics; representing the quantity "number"],  $R = n(^{13}\text{C})/n(^{12}\text{C})$  [with n in italics; representing the quantity "(chemical) amount", or  $R = C(^{13}\text{C})/C(^{12}\text{C})$  [with C in italics; with C representing amount fractions/mole fractions].

I. 464: the -> a, i.e. "a continuous time series"

Thank you for your contribution to Atmospheric Chemistry and Physics.

Sincerely  
Jan Kaiser  
Editor ACP

**Technical corrections:**

[Editor]

I. 30/Eq. 1

[Hoheisel and Schmidt]

Please excuse that we have not stated the equation formally correctly. To correct this, we have slightly changed the paragraph in the revised manuscript.

[Editor]

I. 464

[Hoheisel and Schmidt]

We have corrected it in the revised manuscript.

[Hoheisel and Schmidt]

In the acknowledgements we have included the sentence:

*For the publication fee we acknowledge financial support by Deutsche Forschungsgemeinschaft within the funding programme „Open Access Publikationskosten“ as well as by Heidelberg University.*