

Editor corrections on ACP-2021-734

Quantifying fossil fuel methane emissions using observations of atmospheric ethane and an uncertain emission ratio by Ramsden et al.

Technical corrections:

P1, L8: Add "the" so that it reads ".....to the Climate Change (DECC) network."

P2, L24: upwards trend -> upward trend

P3, L59-60: tracer gases -> trace gases

P3, L66: emissions estimates -> emission estimates

P3, L80: emissions profiles -> emission profiles

P3, L83: rather plural? Thus "Most of the previous works using observations of methane have used....."

P4, L105: is used produce -> is used to produce

P5, L139: emissions field -> emission field

P6, L150: add "the" -> the Climate Change.....

P6, L166: emission ratio -> emission ratios

P6, L169: emissions field -> emission field

P6, L172: for at -> at

P6, L173: emissions field -> emission field

P7, L175: emissions field -> emission field

P7, L197: add "the ones" so that it reads "....as the ones described in....."

P8, L206: one closing parentheses obsolete

P8, L218: skip "Appendix" and just write "in Fig. E1" or write "in the Appendix in Fig. E1"

P8, L225: add "is" -> The inversion is then.....

P8, L225: Sentence not clear. a scaling factor derived form the a priori?

P8, L230: rather "at" or "to" negative emissions than "on" negative emissions

P8, L230: given a mean -> given with a mean

P9, L237: rather "for" or "during" than "for during"

P9, L237: given a uniform -> given as a uniform

P9, L239: One closing parentheses obsolete

P10, L253: a value 50% ...-> a value "of" (or "which is") 50% lower.....

P10, L256: Don't start the sentence with a number -> Add "The", thus "The 95%....."

P10, L272: finds -> shows

P10, L272: 15% less to total -> 15% less to the total

P10, L273: skip "in" and just write "the methane-only inversion"

P10, L274: move "of the posterior FF flux" at the end of the sentence

P12, L287: write "in Fig F1" or "in the Appendix in Fig. F1"

P12, Fig 3 caption: Add "Left" and "Right"

P12, L291: Add "the", so that it reads "converge the methane...."

P12, L291: What do you mean with model measurement uncertainty? It should be either model uncertainty or measurement uncertainty or do you mean a modelled measurement uncertainty?

P13, L293: emissions scaling factors -> emission scaling factors

P13, Figure 4 caption: emissions scaling factors -> emission scaling factors

P13, L300: in 3.4 -> in Sect. 3.4

P14, Figure 5 caption: second and third line change "ratio" to "ratios"

P14, Figure 5 caption: from Royal Holloway -> from the Royal Holloway.....

P15, L322: remove "to have"

P19, L410: Either write "The model simulates"

P19, Figure A1 caption: Site -> sites

P20, Figure B1 caption: Add "Top:" and change "Bottom shows" to "Bottom: The percentage"

P22, L423: ratio -> ratios

P24, Figure F1 caption: remove "Appendix" and just write "in Fig A1".

P28, L570: check author list, something went wrong here.

P29, L589 and 596: same here as for P28, L570.