

Response to editor:

The editor' original comments are shown in **red**. Our replies are shown in **blue**.

Dear Dr. Jiang and co-authors,

thank you very much for your detailed revisions and replies. Before final publication of your manuscript in ACP, there is one sentence in the text, I kindly ask you to clarify. In lines 422/423 you write "... , but the average magnitude of convective transport is about one order smaller than that of chemistry." This sentence sounds a bit "odd" as if you compare apples with eggs (convective transport with chemistry). Which quantity do you refer to? What do you mean with "chemistry". Please clarify this sentence.

Yours,

Patrick Jöckel

Dear editor,

Thanks for pointing out this problem. We now revised this sentence to make it clear.

[Main text, Lines 422-423]:

....., but the average change of ozone budget due to convection transport is about an order of magnitude smaller than that due to chemical processes.

**Yours,
Zhongjing Jiang**