

Interactive comment on “Chemistry of Riming: The Retention of Organic and Inorganic Atmospheric Trace Constituents” by Alexander Jost et al.

Anonymous Referee #2

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General This is a interesting study from the Mainz vertical wind tunnel. The obtained parameters, i.e. retention coefficients, are important for a vertical redistribution of atmospheric gas phase constituents, a factor which obviously more attention should be paid to. The study focusses on carboxylic acids and aldehydes.

This is a very good paper which requires only minor changes and then, in my view, could be accepted to ACP.

Details The LWC given in line 8 of the abstract must be 0.9 g m^{-3} , not cm^{-3} .

Page 3, line 5: Do these cited studies use retention coefficients or do they state that these are needed and should be used ?

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Figure 1, caption: What is the meaning of the second sentence ? The average error of what ? Of the number concentrations given ? Please clarify.

Page 9, line 20: Please re-phrase this sentence. Accordingly, please re-check the English throughout.

Page 20, Table 4: The exponents of the Henry coefficients are sometimes without superscript when the exponent is two digits.

[Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2017-207, 2017.](#)

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