

Interactive comment on “Evaluated kinetic and photochemical data for atmospheric chemistry: Volume V – heterogeneous reactions on solid substrates” by J. N. Crowley et al.

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The data sheet on HOI/ice, Appendix VA1.33 reveals that there are no data. However, uptake coefficients of HOI on ice in the range 180 to 200 K have been measured by A. Allanic and M.J. Rossi in J. Geophys. Res. 104, 189689-18696 (1999) in "Heterogeneous reactions of HOI on substrates of atmospheric importance". At the lowest pressure (residence time) of the used Knudsen flow reactor on the order of 10^{10} molecules cm^{-3} or lower "gamma" of 7.5×10^{-2} , 6.2×10^{-2} and 4.8×10^{-2} have been obtained at 180, 190 and 200 K, respectively. These are average values of eleven independent measurements (new ice substrate each time). The uptake kinetics does not show any

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saturation behavior akin to HCl on ice in the quasi-liquid regime. A modified data sheet will be submitted shortly to the attention of the leading author.

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