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***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. Allan 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 10¹⁰ molecules cm⁻³ or lower "gamma" of 7.5 x10⁻², 6.2x10⁻² and 4.8x10⁻² 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.

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 5233, 2010.

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