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# ***Interactive comment on “Compilation and evaluation of gas-phase diffusion coefficients of inorganic reactive trace gases in the atmosphere” by M. J. Tang et al.***

## **Anonymous Referee #2**

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Heterogeneous reactions between atmospheric aerosols and trace gaseous species play crucial roles in atmospheric chemistry. Diffusion coefficients are required to accurately determine reactive uptake coefficients when aerosol particles are large and trace gaseous species are reactive towards the aerosol surfaces. This manuscript compiled and evaluated the diffusion coefficients of atmospheric reactive trace species (largely inorganic ones) and compared the experimentally data to those estimated values based on Fuller’s method as well. The manuscript is well organized, referenced, and written. It offers much needed dataset for atmospheric chemistry community.

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 15645, 2014.

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