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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Heterogeneous chemistry: a mechanism missing in current models to explain secondary inorganic aerosol formation during the January 2013 haze episode in North China" *by* B. Zheng et al.

Anonymous Referee #2

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General Comments: This work is very meaningful and helpful to understand the formation of haze day. Adding a mechanism in model would improve the performance of model.

Specific comments: 1.The format of the citation should be unified. For example, in page 16734, line 10, Y. Wang et al., 2006 should be Wang et al., 2006. 2. Providing the concentration of gas pollutants in haze episode would be helpful to understand the formation of haze day 3. Please provide more information about the uptake coefficient

γ, which was adopted in this MS.

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 16731, 2014.