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Comment

***Interactive comment on* “Technical Note: The application of an improved gas and aerosol collector for ambient air pollutants in China” by H.-B. Dong et al.**

H.-B. Dong et al.

lmzeng@pku.edu.cn

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After the submission of the paper, we noticed two flaws in the Experimental and Acknowledgement part.

Line 6 – 11, Page 7763: The LOPAP instrument used in the campaign is an updated one described by Heland et al. (2001). Detailed information on the updates can be found in Li et al. (2012). We reformatted the text as following. “Ambient HONO was continuously measured by a Long Path Absorption Photometer (LOPAP). The instrument was a modified version of the commercial LOPAP instrument (QUMA GmbH, Wuppertal). Detailed information on the instrument setup can be found in Li et al.

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Interactive Discussion

Discussion Paper



(2012). During the campaign, the time resolution of the LOPAP HONO measurements is 4 min.”

Line 23 – 26, Page 7771: We would like to add the following sentence in the acknowledgement. “The authors would like to show their appreciation to Dr. Theo Brauers and Rolf Häselser from IEK-8 Forschungszentrum Jülich for providing the LOPAP instrument and the corresponding technique support.”

Reference Heland, J., Kleffmann, J., Kurtenbach, R., and Wiesen, P.: A new instrument to measure gaseous nitrous acid (HONO) in the atmosphere, *Environ. Sci. Technol.*, 35, 3207–3212, doi:10.1021/es000303t, 2001.

Li, X., Brauers, T., Häselser, R., Bohn, B., Fuchs, H., Hofzumahaus, A., Holland, F., Lou, S., Lu, K. D., Rohrer, F., Hu, M., Zeng, L. M., Zhang, Y. H., Garland, R. M., Su, H., Nowak, A., Wiedensohler, A., Takegawa, N., Shao, M., and Wahner, A.: Exploring the atmospheric chemistry of nitrous acid (HONO) at a rural site in Southern China, *Atmos. Chem. Phys.*, 12, 1497-1513, doi:10.5194/acp-12-1497-2012, 2012.

Interactive comment on *Atmos. Chem. Phys. Discuss.*, 12, 7753, 2012.

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