

Interactive comment on “Worldwide atmospheric mercury measurements: a review and synthesis of spatial and temporal trends” by F. Sprovieri et al.

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Received and published: 13 May 2010

Referee: X. Feng The manuscript gives a very good summary of current status of mercury measurement in ambient air over the world. By reading through the manuscript, I found that a few recent measurement data carried out in China were not included in the manuscript. Here is the list of publication that I do believe should be included in this review.

Fu X., Feng X., Zhang G., Xu W., Li X., Yao H., Liang P., Li J., Sommar J., Yin R., Liu N., Mercury in the marine boundary layer and seawater of the South China Sea: concentrations, air/sea flux, and implication for land outflow. *Journal of Geophysical Research- Atmospheres*, 2010 (in press); Fu X., Feng X., Dong Z., Yin R., Wang J., Yang Z., Zhang H., Atmospheric total gaseous mercury (TGM) concentrations and wet
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and dry deposition of mercury at a high-altitude mountain peak in south China. *Atmospheric Chemistry and Physics*, 2010 (this issue); Wan Q., Feng X*, Lu J., Zheng W., Song X., Han S., Xu H., Atmospheric mercury in Changbai Mountain area, north-eastern China I. The seasonal distribution pattern of total gaseous mercury and its potential sources. *Environmental Research*, 2009, 109:201-206. Wan Q., Feng X*, Lu J., Zheng W., Song X., Han S., Xu H., Atmospheric mercury in Changbai Mountain area, northeastern China II. The distribution of reactive gaseous mercury and particulate mercury and mercury deposition fluxes, *Environmental Research*, 2009, 109: 721-727 Fu X., Feng X*, Zhu W., Temporal and spatial distributions of TGM in Gongga mountain area, Sichuan province, P.R. China: Regional sources and long range atmospheric transport. *Science of the Total Environment*, 2009, 407:2306-2314. Fu X., Feng X*, Zhu W., Zheng W., Wang S., Total particulate and reactive gaseous mercury in ambient air in the eastern slope of Mt. Gongga area. *Applied Geochemistry*, 2008, 23(3): 408-418. Fu X., Feng X*, Zhu W., Wang S., Lu J., Total gaseous mercury concentrations in ambient air in the eastern slope of Mt. Gongga, South-Eastern fringe of the Tibetan plateau, China. *Atmospheric Environment*, 2008, 42(5): 970-979.

Response to Referee: Dr. X. Feng Dear Dr. Feng, following your suggestions, the section 2.7 missing of the recent Hg measurement data carried out in China, has been revised and added of the results obtained throughout the studies performed within the list of publication that you highlighted me. Please, see the Section 2.7 of the revised manuscript.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/10/C2615/2010/acpd-10-C2615-2010-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 1261, 2010.