

## ***Interactive comment on “Characteristics of atmospheric mercury deposition and size-fractionated particulate mercury in urban Nanjing, China” by J. Zhu et al.***

**Anonymous Referee #1**

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This paper is very well and clearly written, and presents mercury fluxes for a polluted city in China. This data shows that mercury levels are significantly above the northern hemisphere background, so this city can be considered a mercury source. As such it's careful characterisation in this paper is a useful addition to the data available.

The description of the methods is strong apart from that of the analytical method used. I think more detail is required here, although they used CVAFS, they haven't mentioned if they carried out any prereduction of the samples to ensure a total mercury analysis. The authors should state what standard method they followed, or describe their methodology if they don't follow a standard method.

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Once the analytical chemistry method is adequately described the paper is fit for publication.

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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 28309, 2013.

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