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Interactive comment on “Tropospheric mercury vertical profiles between 500 and 10 000 m in central Europe” by A. Weigelt et al.

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With no pyrolyzer in-line they cannot be sure their TGM measurement is TGM. They need to address this significant limitation.

Assuming their Teflon inlet does not remove GOM is not a good assumption See Gustin et al 2013 RAMIX EST paper

The significant limitations of the KCl denuder need to be discussed. See Gustin et al.2015 ACP paper

A quartz wool trap will not quantitatively collect GOM and will be influenced by relative humidity.

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The authors need to read the recent literature cited in Gustin et al., 2015, and totally rethink their data.

I think it is interesting that operationally defined TGM>GEM.

Why do they discuss the Lumex measurement when they do not show data from this instrument?

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 28217, 2015.

ACPD

15, C8820–C8821, 2015

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C8821