

Interactive comment on “Chemical cycling and deposition of atmospheric mercury in Polar Regions: review of recent measurements and comparison with models” by H el ene Angot et al.

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Interesting read, nicely resuming the last 4 years of atmospheric mercury research in polar regions. I only have a few minor comments/edits: L223ff: how does this compare to Sommar, J., M. E. Andersson and H. W. Jacobi (2010). "Circumpolar measurements of speciated mercury, ozone and carbon monoxide in the boundary layer of the Arctic Ocean." Atmos. Chem. Phys. 10(11): 5031-5045, and Yu, J., Z. Xie, H. Kang, Z. Li, C. Sun, L. Bian and P. Zhang (2014). "High variability of atmospheric mercury in the summertime boundary layer through the central Arctic Ocean." Sci. Rep. 4. The latter 2012 is also missing in the figure 1 of current arctic data, and could be discussed a bit more. Is there no other ship-based arctic data? L244: better unify units to °C as used

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above I226 L359: 38 and 38% sounds odd L366: remove frequency L499: remove extra period in GEO-C hem L675: what is the threshold for Antarctic AMDEs? You mentioned 1 ng m³ for Arctic AMDEs before?

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