

Interactive comment on “Comparability of calibration strategies for measuring mercury concentrations in gas emission sources and the atmosphere” by Iris de Krom et al.

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This is a great paper. Very well written, very clear and precise. Also, the results are very important and timely. I have a few specific comments:

Line 73: I know this device is described in the listed references, but would be better to include more description in this text, also, I think. Something just a little more detailed than lines 75-80.

Lines 81-85: At what flow rate(s)?

Figure 1 is a bit confusing to me. So the open squares and open triangles are the

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results from the measurements calibrated with the Dumarey equation, right? And the closed circles are determined gravimetrically? Maybe it would be better to label them as such, or at least explain it in the figure caption. I was confused that the closed circles are labeled “reference value 2 ng” when they don’t have a mass of 2 ng. I know all this is explained in the text, but your paper would make its point better if the figures could stand on their own.

In the conclusions, I think it would be better if you added a paragraph to talk about how others have drawn similar conclusions. You do this briefly on lines 224-226, but a more thorough discussion in the conclusions section would be better. In addition to references in lines 224-226, you should also reference and discuss results obtained by Srivastava and Hodges (2018) and Quétel et al. (2016).

[Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2020-314, 2020.](#)

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