Corrigendum to Aerosol Res., 2, 303–314, 2024
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Corrigendum to "Cluster-to-particle transition in atmospheric nanoclusters" published in Aerosol Res., 2, 303–314, 2024

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In the paper by Wu et al. (2024), we identified a mistake in our code that calculates free energies under given conditions and generates Fig. 5. This implies that the correct concentration of sulfuric acid written in the paper should be set to 10^8 molec. cm^{-3} instead of 10^6 molec. cm^{-3} to give the correct trends. The updated Fig. 5 is as follows:

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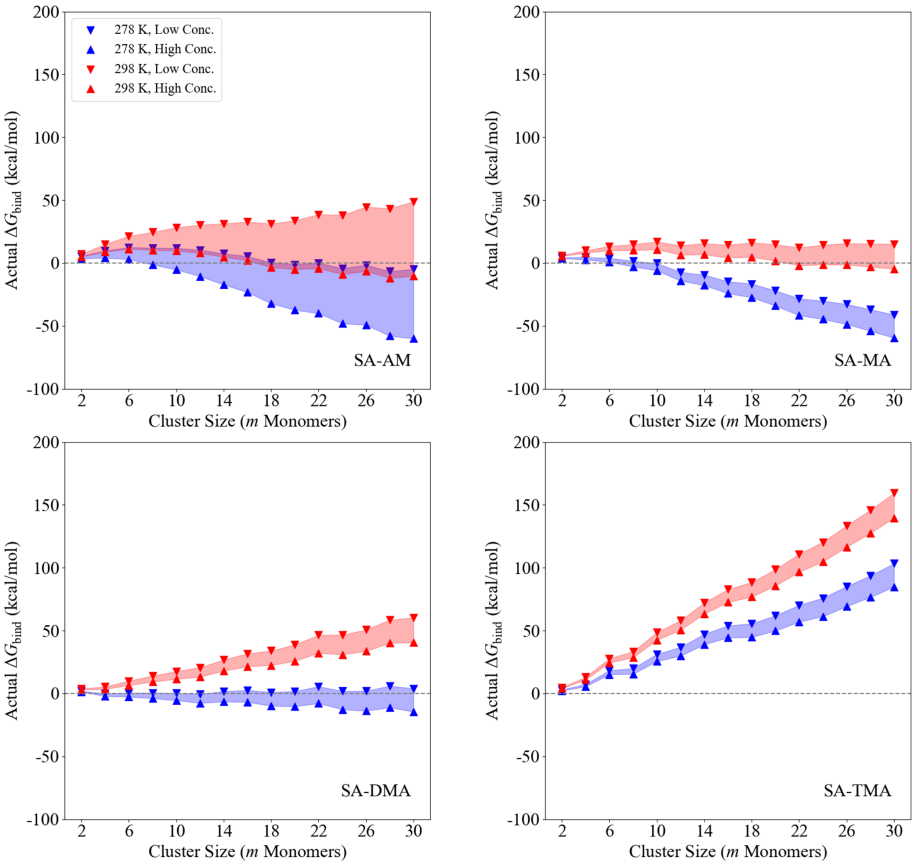

Figure 5. Binding free energies ΔG_{bind} of the $(SA)_n(AM/MA/DMA/TMA)_n$ clusters ($n = 1$–15, $m = 2n$) under given conditions of temperature and concentration. High temperature (298.15 K) is where the concentration range is filled with red shading and, accordingly, low temperature (278.15 K) is where the concentration range is filled with blue shading. [SA] was fixed at 10^8 molec. cm^{-3}. "High Conc." refers to a high concentration with [AM] = 10 ppb, [MA] = [DMA] = [TMA] = 10 ppt (upward-pointing triangle). "Low Conc." refers to a low concentration with [AM] = 10 ppt, [MA] = [DMA] = [TMA] = 1 ppt (downward-pointing triangle).

This error has no impact on the conclusions drawn in Sect. 3.4, and the main conclusion in the paper about how to define the cluster-to-particle transition point is unaffected by the error.

References

Wu, H., Knattrup, Y., Jensen, A. B., and Elm, J.: Cluster-to-particle transition in atmospheric nanoclusters, Aerosol Research, 2, 303–314, https://doi.org/10.5194/ar-2-303-2024, 2024.