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Corrigendum to "Experimental development of a lake spray source function and its model implementation for Great Lakes surface emissions" published in Atmos. Chem. Phys., 22, 11759–11779, 2022

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We identified a typo in the units of the aerosol surface area ($dS/d\log D_p$) and volume ($dV/d\log D_p$) size distributions depicted in Fig. 3c–f, as well as in the accompanying text. This error does not affect any of the conclusions of the paper. The revised figure and text can be found below.

The revised text is as follows.

Indeed, the peak in surface area concentration for $D_p > 1\,\mu m$ drops from 22 000 ($\pm$2000) to 520 ($\pm$70) $\mu m^2\,cm^{-3}$ in saltwater and from 250 ($\pm$50) to 5.4 ($\pm$0.8) $\mu m^2\,cm^{-3}$ in freshwater. Similarly, the peak in volume size distribution drops from 12 000 ($\pm$1000) to 120 ($\pm$30) $\mu m^3\,cm^{-3}$ in saltwater and from 210 ($\pm$20) to 1.8 ($\pm$0.3) $\mu m^3\,cm^{-3}$ in freshwater.

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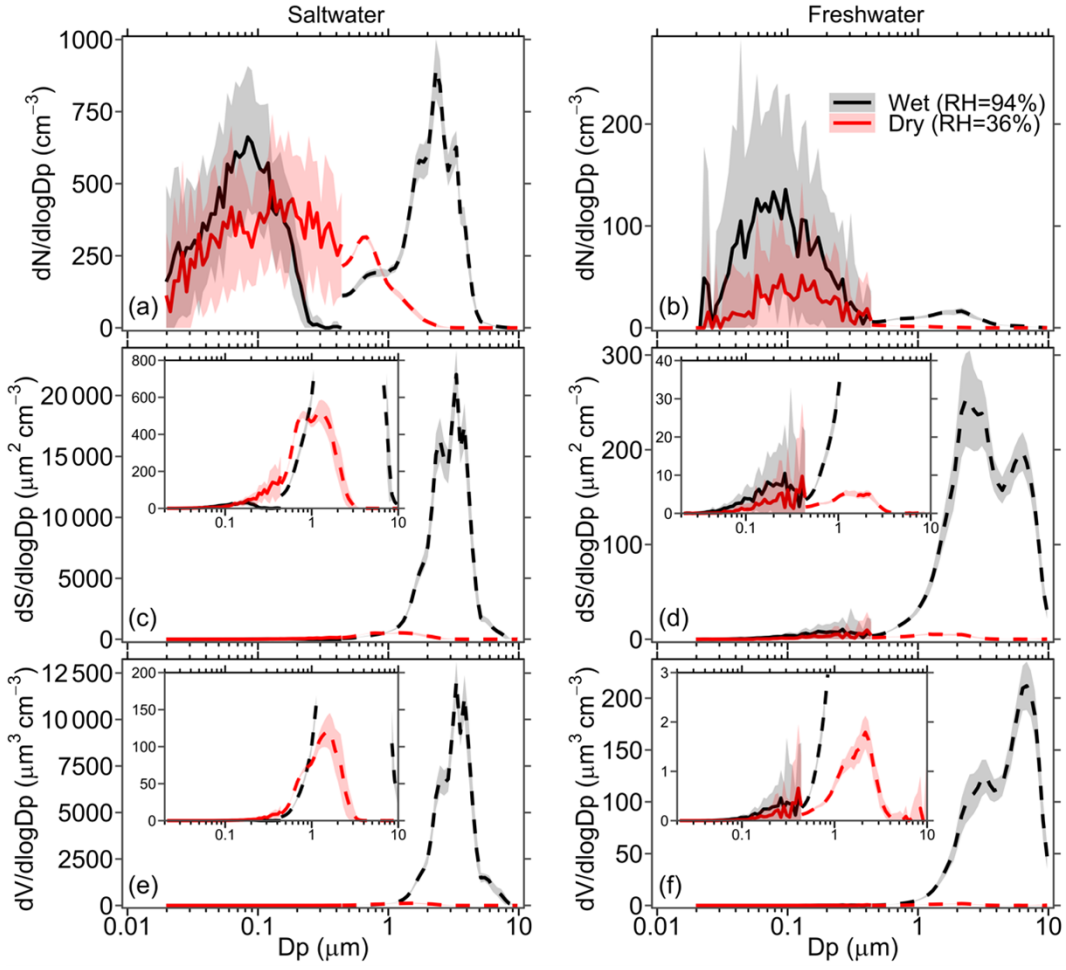

Figure 3. The synthetic saltwater and freshwater average aerosol **(a, b)** number, **(c, d)** surface area, and **(e, f)** volume size distributions of dry and wet aerosols, corresponding to sampling with and without a dryer, respectively. Shaded areas represent ±1 standard deviation. Insets show a close-up of the dry surface area and volume size distributions.