Supporting information for Adsorption of single and multiple graphene oxide nanoparticles at a water-vapor interface

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Figure S1: Single GO particle with $L = 2\,\text{nm}$, $r_{\text{OH}} = 0.3$, and $r_{\text{OC}} = 0.17$. Edge carbons atoms are in gray and basal carbon atoms in pink. Oxygen atoms attached to edge carbon atoms are in blue and oxygen atoms attached to a basal carbon atoms are in red. Hydrogen atoms are in white. From left to right: top view, side view, and bottom view.
Figure S2: Set of histograms corresponding to a simulation with a single GO particle with $r_{OH} = 0.3$ and $r_{OC} = 0.34$.

Figure S3: Set of histograms corresponding to a simulation with multiple GO particles with $N = 4$, $r_{OH} = 0.3$, and $r_{OC} = 0.34$. 
Figure S4: Set of histograms corresponding to a simulation with multiple GO particles with $N = 4$, $r_{\text{OH}} = 0.3$, and $r_{\text{OC}} = 0.05$.

Figure S5: Error on the value of $\Delta E$ as a function of the data acquisition duration for a single GO particle with $r_{\text{OH}} = 0.3$ and $r_{\text{OC}} = 0$. 
Figure S6: PMF for a single GO particle with $r_{OH} = 0.3$ and $r_{OC} = 0.17$. Dashed brown lines show the results of 3 independent simulations, and the full blue line show the average.

Figure S7: PMF in the case of multiple GO particles with $r_{OH} = 0.3$, and $r_{OC} = 0.05$, and $N = 8$. Dashed brown lines show the results of 6 independent simulations, and the full blue line show the average.
Figure S8: Example 1/3 of a system of multiple GO particles, with $N = 10$, $r_{OC} = 0.05$ $r_{OH} = 0.3$.

Figure S9: Example 2/3 of a system of multiple GO particles, with $N = 10$, $r_{OC} = 0.05$ $r_{OH} = 0.3$. 
Figure S10: Example 3/3 of a system of multiple GO particles, with $N = 10$, $r_{OC} = 0.05$ $r_{OH} = 0.3$. 