

Supporting Information for:

Dynamic Behavior of Gas-Phase NCl_3 and CO_2 in Indoor Pool Facilities

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Figures

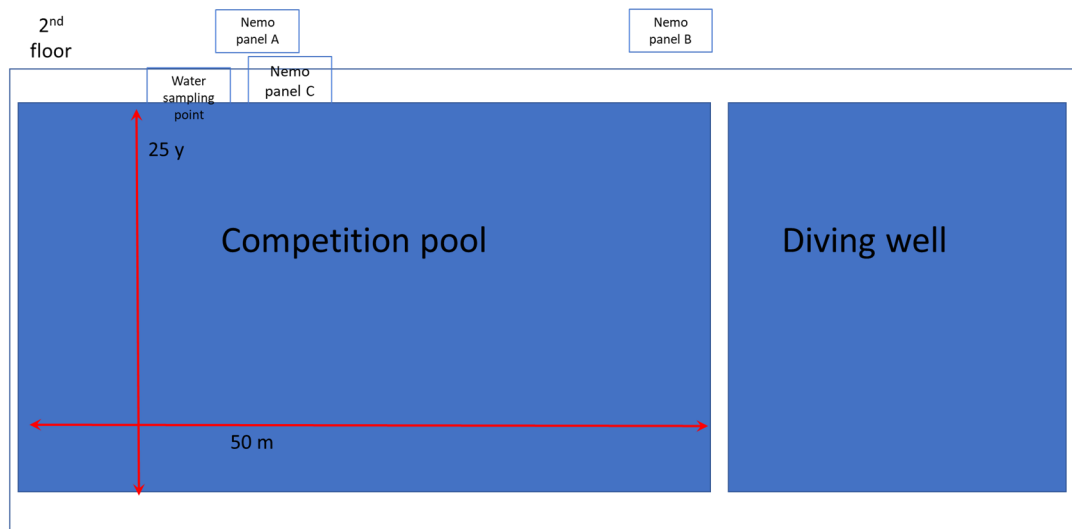


Figure SI-1. Layout of Pool facility during experiment A. Also included are locations of water sample collection and NEMO placements.

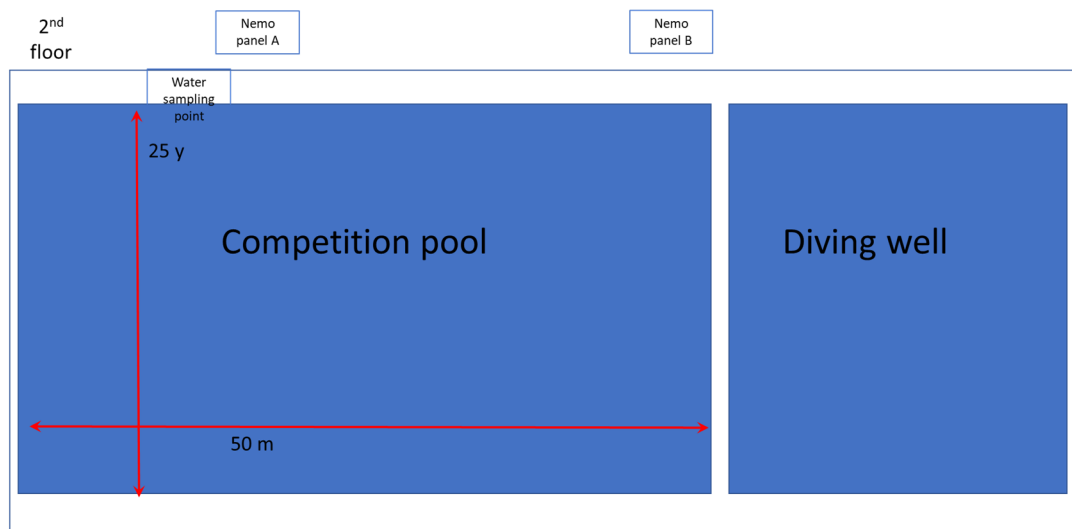


Figure SI-2. Layout of Pool facility during experiment B. Also included are locations of water sample collection and NEMO placements.

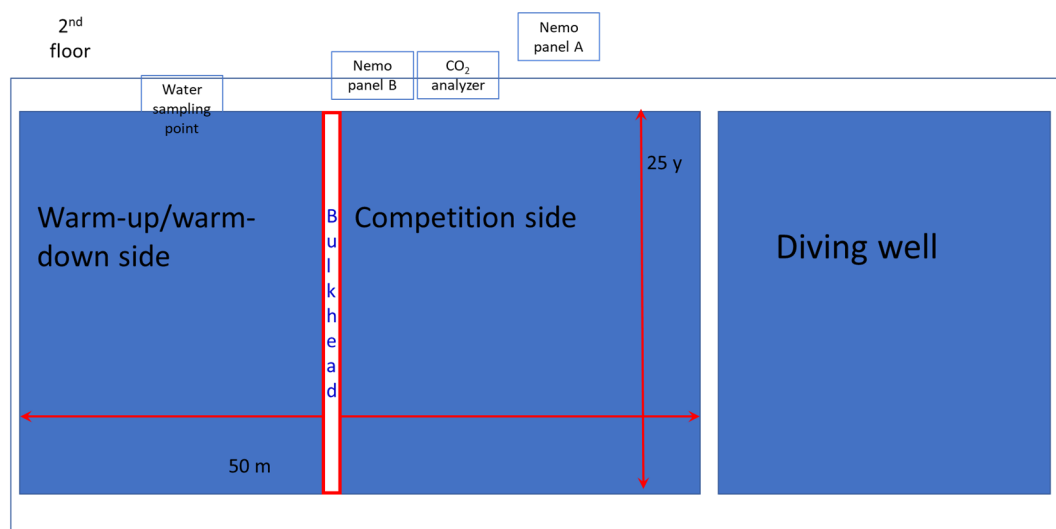


Figure SI-3. Layout of Pool facility during experiment C. Also included are locations of water sample collection and NEMo placements.

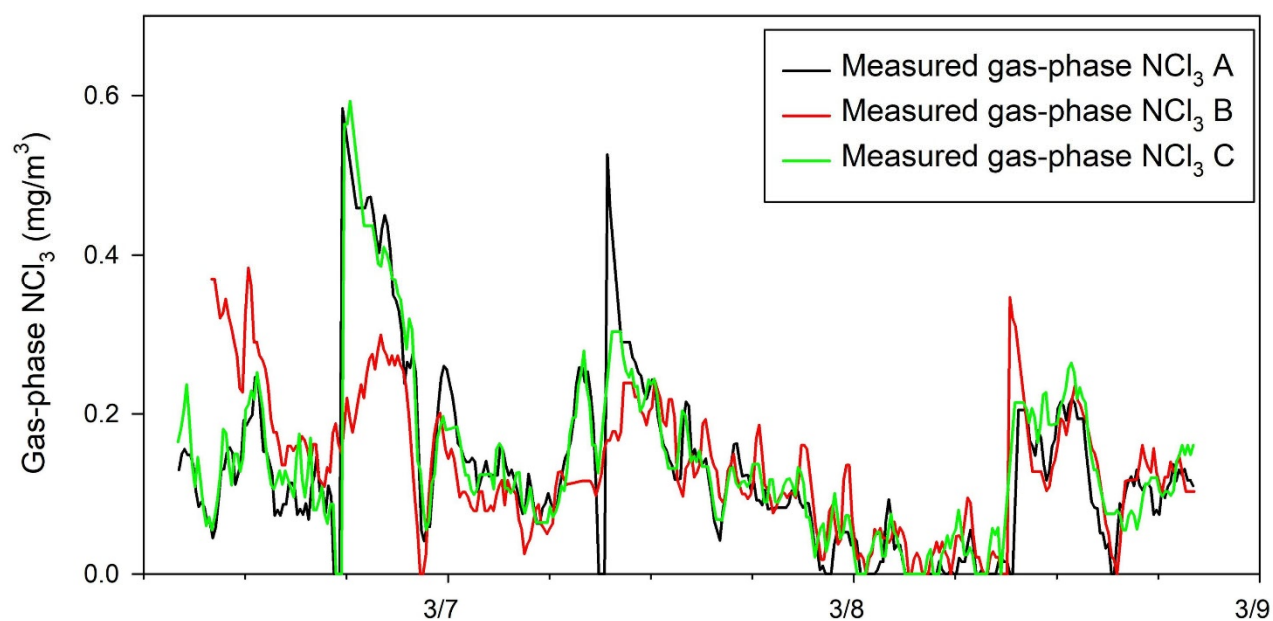


Figure SI-4. Time-course monitoring of gas-phase NCl_3 from 3 NEMo devices at different locations of the studied pool facility.

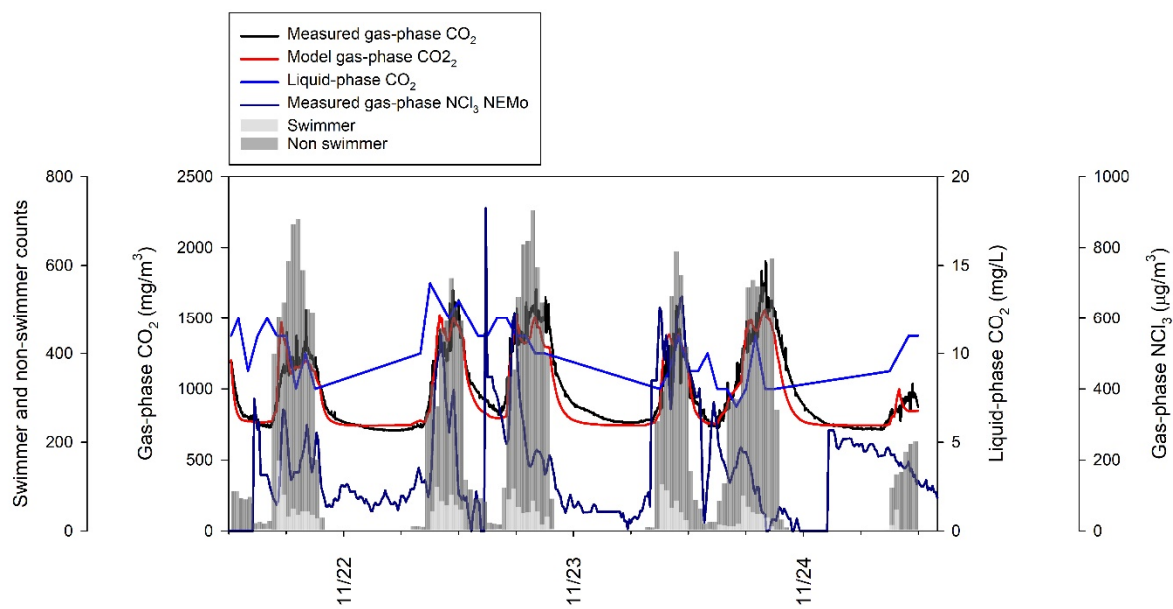


Figure SI-5. Time-course monitoring of gas-phase CO₂ (by LI-COR CO₂ analyzer) and liquid-phase CO₂, and air flow rate for Experiment C. Also included are model simulations of gas-phase CO₂ concentration. Dark blue represents the time-course monitoring of gas-phase NCl₃. Vertical bars represent the number of swimmers and non-swimmers in the studied pool.

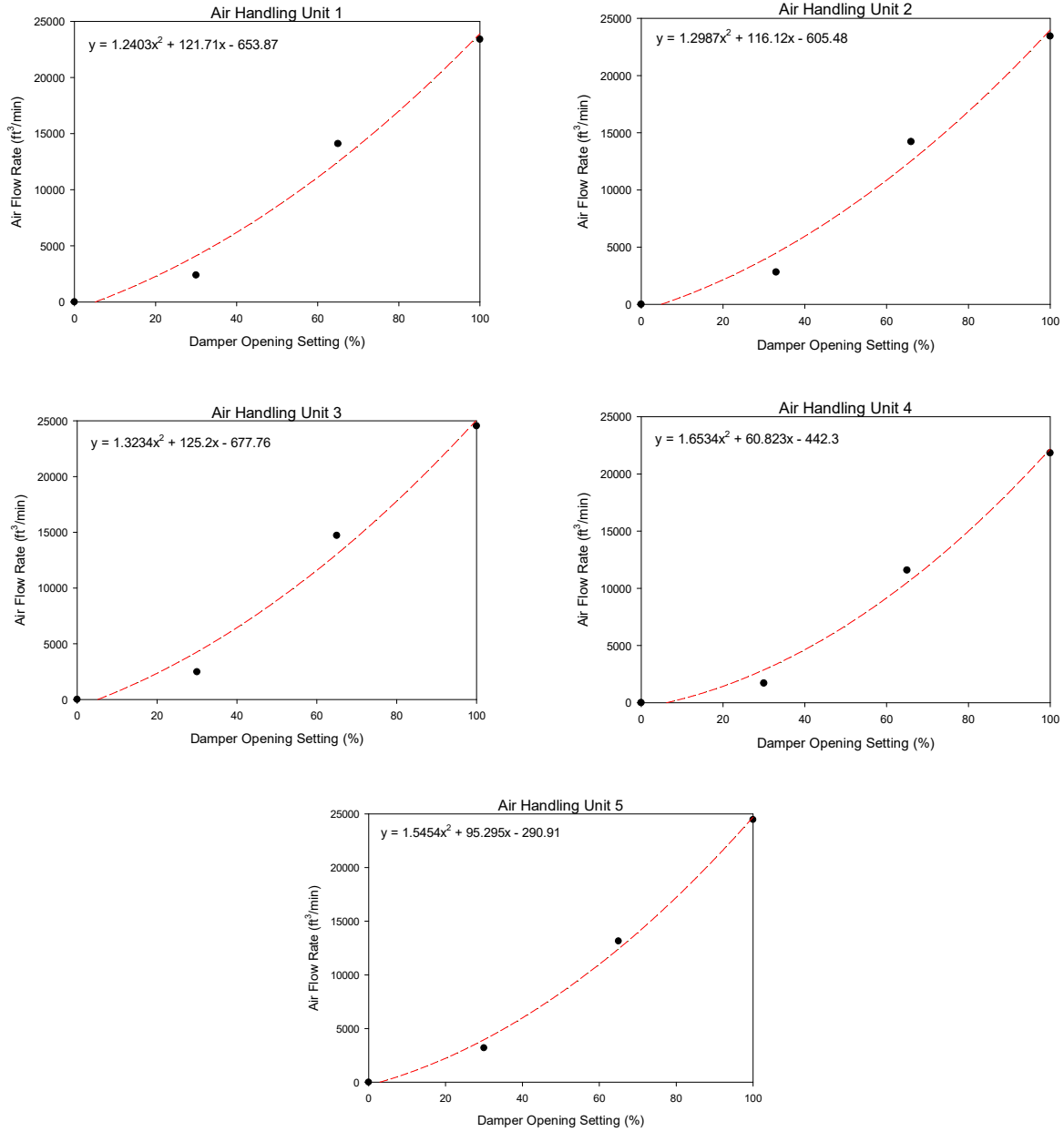


Figure SI-6. Summary of air flow measurements for air handling units as functions of damper opening setting. Solid symbols represent measured volumetric air flow rate and corresponding damper setting (as a percentage of complete opening). Dashed red lines represent fit of quadratic equation to each data set. Best-fit quadratic equations for each air handling unit are included in each panel.