

Supplementary Information for: Dissolution of a submarine carbonate platform by a submerged lake of acidic seawater

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Supplementary figures

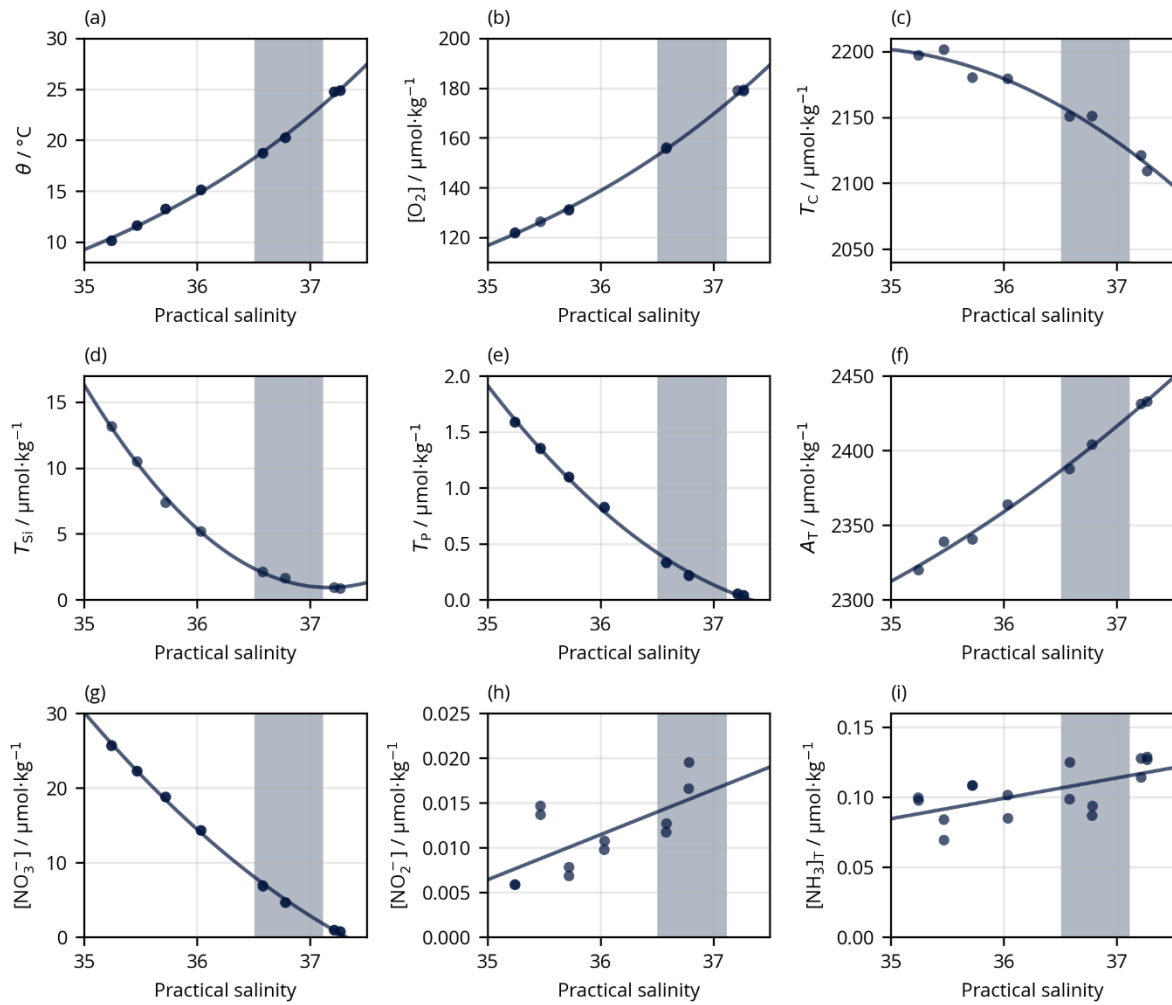


Figure S1. Measurements of off-platform variables and their fits to practical salinity, which were used to estimate preformed sinkhole water properties within the acid lake. The shaded vertical bars show the range of practical salinity values observed within the acid lake.

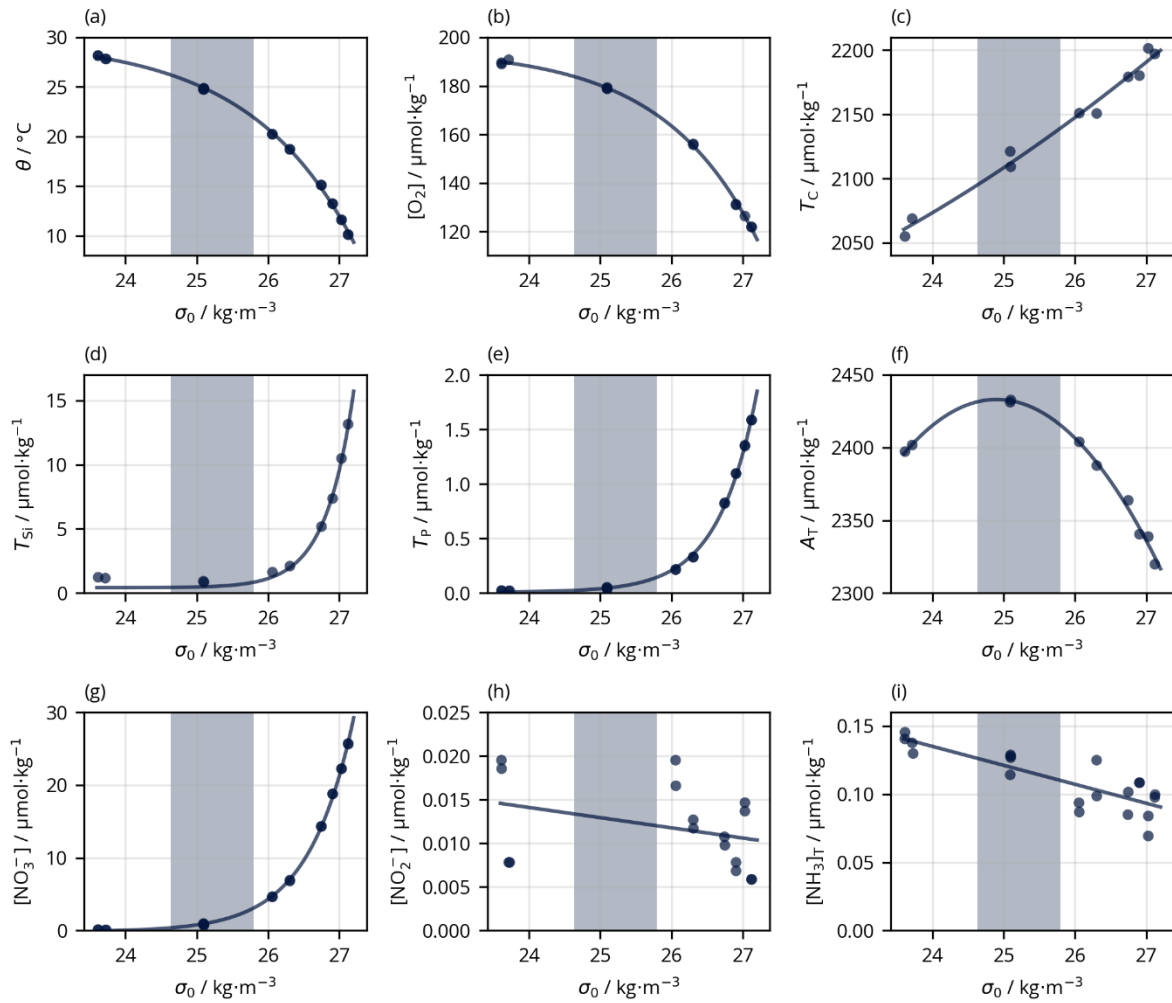


Figure S2. Measurements of off-platform variables and their fits to potential density anomaly (σ_0), which were used to estimate preformed sinkhole water properties within the sinkholes except the acid lake. The shaded vertical bars show the range of σ_0 values observed within the sinkholes.

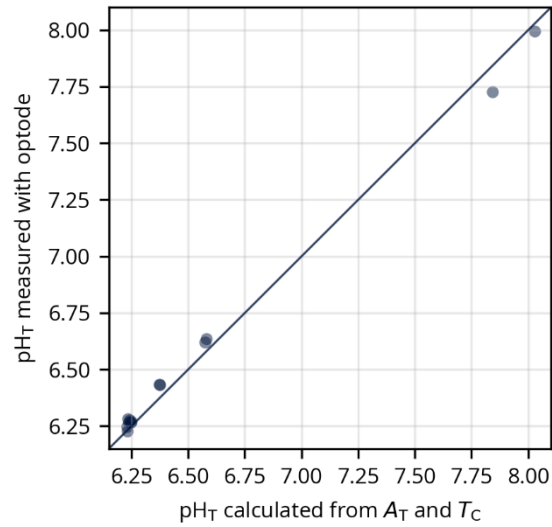


Figure S3. Comparison between Total scale pH (pH_T) calculated from A_T and T_C with PyCO2SYS and measured with an optode sensor. Diagonal line shows ideal 1:1 relationship. Least-squares best fit regression has slope = 0.94, intercept = 0.41. The root-mean-square of all differences between calculated and measured values is 0.05.