

Reviewer's comment: L278-279 "TALK was preferentially used as the second carbon parameter. When it was not available, DIC was used." Why the preference for TALK ? Please explain.

Response: We did an analysis by adding a 5 $\mu\text{mol/kg}$ error to either TALK or DIC, and re-calculated output pH (see blow). In both cases, the "errors" in the converted pH are extremely small (around 0 to 4×10^{-5}), but are slightly smaller for TA conversions than for DIC conversions.

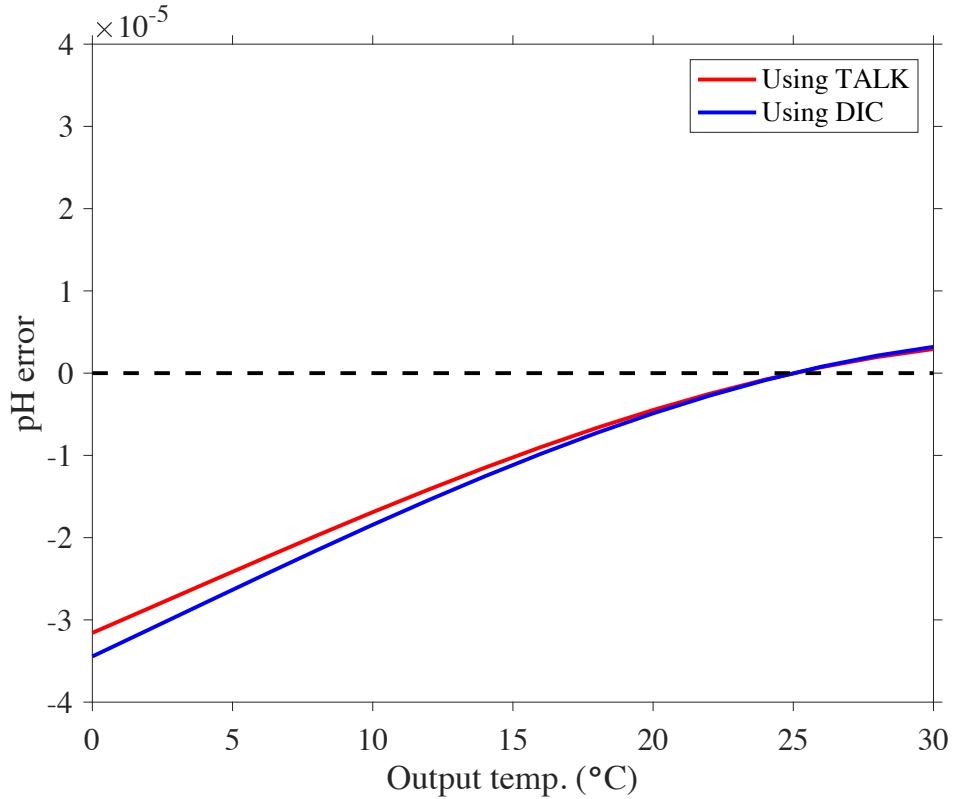


Figure 1. Plot of pH errors that are from conversions with TALK (red) and DIC (blue) against the output temperature.