Interactive comment on “Contribution of non-carbonate anions to river alkalinity and overestimation of $p$CO$_2$” by C. W. Hunt et al.

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Incorrect numbers were reported in the Discussion paper when comparing the calculated pCO$_2$ and TAlk using various sets of carbonate dissociation constants in the CO2SYS program (Lewis and Wallace, 1998). Page 5164, Lines 9-12 should read:

"The resulting pCO$_2$ differed from the “S = 0 freshwater” results by averages of $-11\%$, $17.5\%$ and $16\%$, respectively. For TAlk, the results differed from the “S = 0 freshwater” option by $6\%$, $-6\%$ and $-3\%$, respectively."

We regret this error; however, the changes in percent difference do not affect the overall conclusion: that the choice of the ‘freshwater’ option in CO2SYS resulted in calculated TAlk and pCO$_2$ which fall in the middle of the range of values produced using different sets of dissociation constants.


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