

Ocean Sci. Discuss., referee comment RC2
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Reply on AC1

Paul Barker (Referee)

Referee comment on "Technical note: TEOS-10 Excel – implementation of the
Thermodynamic Equation Of Seawater – 2010 in Excel" by Carlos Gil Martins and Jaimie
Cross, Ocean Sci. Discuss., <https://doi.org/10.5194/os-2022-2-RC2>, 2022

Line 130 continuation.

The TEOS-10 equations can be applied everywhere on the globe not just in the open ocean. Imagine someone collects a water sample from a lake or a river that is hundred of km's from the coast, ie. itswell and truly inland. In this case the GSW software sets the Absolute Salinity Anomaly to zero, and the Absolute Salinity is equal to the Reference Salinity. They can then use the TEOS-10 equations to calculate any of their sample's properties they want.