Reply on RC2

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Author 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-AC2, 2022

We have just published an update of TEOS-10 EXCEL (v.1.1) to address this issue (inland/coastal locations). Now, by **leaving the Longitude or Latitude cells empty**, will set Absolute Salinity Anomaly to zero, S_A becomes equal to S_R and the other sample's properties are calculated.

This new version also includes the update of the 'Practical Salinity from conductivity' function, to **include the low salinity (0-2) extension** (VBA module *{Hill_ratio_at_SP2(t)}*). The VBA module *{SP_from_C (C, t, p)}* is now a **full translation of the GSW counterpart**. This 'new' module has been tested with values of $S_P > 2$ and between 0 and 2 and the results are the same as the ones obtained with GSW MATLAB.

We have also added a new spreadsheet tab ('Info') to capture all version updates.

The following DOI represents all versions and will **always resolve to the latest one**, so it is preferable to use it instead of the former (which in any case also shows the latest version available, but points to a specific version).

https://doi.org/10.5281/zenodo.4748829

We will amend the manuscript to reflect the above updates and post the intended alterations as soon as possible.