

Interactive comment on “The density–salinity relation of standard seawater” by Hannes Schmidt et al.

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MINOR COMMENTS

1. ‘I think it would be good in the paper to briefly mention other measurements in addition to density that might be recommended to be made on standard seawater, especially measurements that might help interpret changes in density. The authors point out that silicate is in this category. Since the variations in density they are considering are of similar magnitude to variations due to isotopic composition, it seems like that would be another – especially since I believe isotopic composition measurements on water are now fairly routine due to their importance in geoscience.’

This is a similar comment like in the first comment (RC1). We expanded that conclusion

C1

und refer to the answer given there.

2. Since theoretical boundary conditions at ‘zero density’, i.e. for $S \rightarrow 0$, are not fulfilled by the mathematical formulation of the density–salinity relation (DSR), is there a risk for inconsistencies?

Please open the link provided below.

Please also note the supplement to this comment:

<https://www.ocean-sci-discuss.net/os-2017-71/os-2017-71-AC2-supplement.pdf>

Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2017-71>, 2017.