

## ***Interactive comment on “Introduction to the French GEOTRACES North Atlantic Transect (GA01): GEOVIDE cruise” by Géraldine Sarthou et al.***

**Anonymous Referee #1**

Received and published: 29 July 2018

Sarthou and coworkers introduce the special issue with a well-written overview of the GEOVIDE expedition. The manuscript clearly describes the motivation for following the OVIDE line for the GEOTRACES study, including the benefits for interpreting trace element and isotope distributions by having the wealth of complementary data from multiple occupations of the section by the OVIDE program. Sarthou et al. entices readers to read the remaining papers in the issue by describing the primary features of many of the trace element and isotope distributions, giving just enough information to motivate readers to seek the remainder of each account in the original publication. Quality control of the data has been a hallmark of the GEOTRACES program, so it is reassuring to see the essential information about nutrient and hydrographic data in the

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supplementary material.

I recommend publication with just a few minor editorial changes:

- 1) Line 90: The delta before  $^{14}\text{C}$  should be capitalized,
- 2) Line 93: Correct the Th in  $^{234}\text{Th}$ ,
- 3) Lines 291 – 301: Give the approximate depth range of each water mass described here,
- 4) Lines 358-359: If there are specific references that present results pertaining to nepheloid layer sources of trace elements then please cite them here.

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Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2018-312, 2018>.

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