

Interactive comment on “Compensation between meridional flow components of the AMOC at 26 N” by E. Frajka-Williams et al.

Anonymous Referee #2

Received and published: 8 February 2016

Frajka-Williams et al.

Title: Compensation between meridional flow components of the AMOC at 26 N.

General: This paper is one in a series of papers written by the active RAPID research team, based primarily on observational results from a mooring array spanning the Atlantic Ocean at 26 N with a main focus on the MOC, its components and variations.

The paper presents new results and should be published with revisions.

My main complaint is that it was cumbersome to find what the main new findings are, and thus very time consuming to referee. In the conclusion section that should be a clear summary of the highlights, many findings are reported and I can't really see what the authors highlight as their main finding(s). It noticed that the authors on this paper

C1590

appear as authors of the referenced papers. This is natural since these authors have published extensively on the RAPID section. However, it left me with the impression that the paper may be seen as an update to peers in the RADID community and not as much a clear communication to the general oceanographic community.

Note:

The measurements have been described in previous publications and the reader is referenced to a recent paper for a detailed description and a figure showing the observational array. It is fine to refer the reader to a recent paper for details, but in a paper that so heavily relies on observations, I would prefer to have at least a schematic map of the array. This would make the paper more self contained.

Please also note the supplement to this comment:

<http://www.ocean-sci-discuss.net/12/C1590/2016/osd-12-C1590-2016-supplement.pdf>

Interactive comment on Ocean Sci. Discuss., 12, 2705, 2015.