

Interactive comment on “Comparing the steric height in the Northern Atlantic with satellite altimetry” by V. O. Ivchenko et al.

V. O. Ivchenko et al.

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Dear Editor, We have made changes according to the Reviewers comments, and removed the errors.

All the points raised by the Referees were addressed and the corresponding changes were made.

These are our comments to the reviewers notes.

Reviewer 1.

R.1.1, ‘There needs to be more information on the data, for example the temporal resolution of Argo Float Data. Does the Altimetry data have the inverse barometric correction applied?’

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-Done. The monthly temporal resolution of the Argo Float Data has been used, The Altimetry data do contain the inverse barometric correction.

R.1.2, Minor comments: corrections to all minor comments related to the English grammar (errors) have been made.

R.1.2 (minor comments): “p.5 line 7-8 Sentence starting ”The difference between this mean...” ”

-Done. Yes, we meant the offset between the two anomaly curves coming from the difference in averaging intervals.

Reviewer 3.

R.2.1, ‘Page 445, line 19 the equation error estimates for trends:...’

-Done.

R.2.2, ‘...r2 should be r^2 ’

-Done

R.2.3, ‘ Page 447, lines 9 to 12 Section 3.2: I found the sentence (i.e. , The "temperature only" (or "salinity only")...) very confusing. Please make it clear’

- The “temperature only” and “salinity only” are the name of two experiments, explained in the text of the paper.

R.2.4, ‘ Page 449, line 17 the authors mention a 5 point low pass filter...’

-Done, we made it clearer. The used low pass filter is a weighted mean filter with the monthly temporal resolution.

R.2.5, Minor comments: corrections to all minor comments have been made. Your Sincerely, Vladimir Ivchenko, National Oceanography Centre European Way Southampton, SO14 3ZH, U.K. e-mail: voi@noc.soton.ac.uk fax: +44 (0)2380 596245

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