Review #1

We thank the Editor for his thoughtful reading of our manuscript and very helpful comments. Please, find our detailed answers below.

Q1: P.3, L27. We have changed this part of the sentence to "…and the modified returning AW."

Q2: P.5, L6. We have replaced dashes for intervals throughout the text.

Q3: P.5, L9. We have removed a dash from this sentence.

Q4: P.5, L27. We have changed this reference to Nurser and Bacon (2014).

Q5: P.5, L9. We have changed this sentence as suggested.

Q6: P.7, L2. We have introduced the suggested change.

Q7: P.7, L8. We have added a required article.

Q8: P.8, L16. We have changed this sentence as suggested. Now it sounds like "The integral of D_w over the length of the mooring section provides the net volume transport."

Q9: P.9, L1. We have changed "limitation" to "limitations" in this sentence.

Q10: P.9, L17. We have changed "will increase" to "increases" in this sentence.

Q11: P.9, L23-27. We have changed this sentence to make it more transparent and correct.

Q12: P.10, L1. We have changed this sentence to "A similar dependence on S_{ref} occurs in calculations of freshwater transports (see Tsubouchi et al., 2012; Carmack et al., 2016 for discussion)."

Q13: P.10, L1. We have removed "…relative to fresh water" from this sentence. We have also noted in the text that with $S_{ref} = 0$ salt transport has unambiguous physical meaning even for a non-zero net volume transport.

Q14: P.10, L21. We have changed the title of this section to "Water mass and flow structures over the Laptev Sea slope in 2013-15".

Q15: P.11, L1. We have changed the title of this section to "Water mass structure over the Laptev Sea slope".

Q16: P.11, L30; P.13, L4; P.14, L26. We have added required articles.

Q17: P.14, L28. We have added the reference to Zakharchuk (2009), who described Rossby waves with those periods.