

Review#1

The manuscript improved a lot, and all comments were addressed thoroughly. To my mind it is now ready for publication. Below are a few very minor corrections:

We appreciate this evaluation of our manuscript.

Q1: P9, line 29-30: This sentence is not very clear. the two decades -> the last two decades; average excess of what? Heat flux from the AW layer maybe?

A: Here, we are taking about an average ocean heat flux surplus. We have reformulated this sentence accordingly.

Q2: P10, line 10: Fram Strait is not part of the Eurasian Basin. Revise the sentence.

A: We have changed this sentence indicating that those eddies were observed in the eastern Arctic Ocean, not in the Eurasian Basin.

Q3: P14, line 18: more than at 90° -> more than 90°

A: We have corrected this sentence.

Q4: P22, line 2: Fig. 11b -> Fig. 11d

A: We have corrected this reference. Thank you.

Q5: P26, line 1: remove comma

A: Done.

Q6: Figure 11 caption: inside cyclonic eddy -> inside a cyclonic eddy; explain red, black and blue lines in panels a-d

A: We have updated the caption for this figure.