

# **Authors responses to the editor's comments**

## **Characteristics of ocean mesoscale eddies in the Canadian Basin from a high resolution pan-Arctic model**

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## Minor comments

**Reviewer:** line 128: lowercase "g" for "gyre" (to be consistent with usage in line 130)

**Authors:** This has been adjusted following the recommendations of the editor.

**Reviewer:** line 184: for consistent should have a space between "W" and "m-1" to be consistent with usage everywhere else (e.g. line 192)

**Authors:** This has been adjusted following the recommendations of the editor.

**Reviewer:** line 185 and many times elsewhere (e.g. table 1, line 360, line 458, Fig 10 caption): the usage of  $\cdot$  was fine before, not sure why it was removed, please restore or use  $\times$  to have "a.b  $\times 10^c$ "

**Authors:** This has been adjusted following the recommendations of the editor.

**Reviewer:** (optional) line 260: would normally have the  $u$  and  $v$  italic rather than roman (so  $u$  instead of  $u$ ,  $u$  or  $u$ ), but this is used consistently in the manuscript so could just ignore this comment.

**Authors:** The typesetting of  $u$ ,  $v$  has been modified following the recommendations of the editor.

**Reviewer:** fig 3 caption: the  $y$  in  $\partial_y u$  should be italic (i.e. don't add anything to it or typeset it like I did)

**Authors:** This has been adjusted following the recommendations of the editor.

**Reviewer:** fig 4 caption: remove the dash before the "th" and straighten it like in the text (e.g. line 368). I normally do something like probably " $10^{\text{th}}$ "

**Authors:** This has been adjusted following the recommendations of the editor.

**Reviewer:** fig 5 top row colorbar units: inconsistent with usage elsewhere, want " $m^2 s^{-2}$ "

**Authors:** This has been corrected.

**Reviewer:** table 2: are the semicolons under  $\Delta S$  and  $\Delta T$  meant to be there?

**Authors:** Thanks for spotting that mistake that has been adjusted.