Barboni et al. 2022, Review by A. Capet - 2nd Round.

- **Comment from 1st round** : (Sect 2.1): Mention here already the multi-platform nature of the datasets (Argo, XBT, gliders, etc ..). It would then be relevant to provide the relative abundance of profiles obtained from each platform type. Also mention here explicitly, although briefly, that DT profiles are favored in case of spotted duplicates with NRT datasets.
- **Answer from authors** : *"We were indeed quite brief on the dataset description, as it was intended to be published separately in a data paper, in order to analyze with more details the mean eddy impact on climatology. The following figures should answer this question :"*
  - -> The figures indeed answers the question for me, but it does not answer it for the readers, as no corresponding edit has been made. I believe this can be addressed with one or two additional sentences in (now) Sect. 2.2.

L3 : "heat flux increaseS and restratifieS" or "heat fluxes"

L23 : "**A**egean"

Fig 3 : I think that the black t^{EA}_{max} on the figure's top should be replace with t^{back}_{max}.

Fig 8. Consider 'connecting **events**' instead of 'connecting **data**' in the legend.

L 462 / L469 L 297 : ! homogeneized -> homogenized