

## ***Interactive comment on “Mediterranean Sea climatic indices: monitoring long term variability and climate changes” by Athanasia Iona et al.***

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The authors would like to thank the reviewer for the comments and suggestions for the improvement of the manuscript. All the comments mentioned in the supplement document “essd-2018-51-RC2-supplement.pdf” were taken into account (see “essd-2018-51-response\_to\_RC2-supplement.pdf”) and the manuscript will be edited accordingly.

Please also note the supplement to this comment:

<https://www.earth-syst-sci-data-discuss.net/essd-2018-51/essd-2018-51-AC3-supplement.pdf>

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Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2018-51>, 2018.

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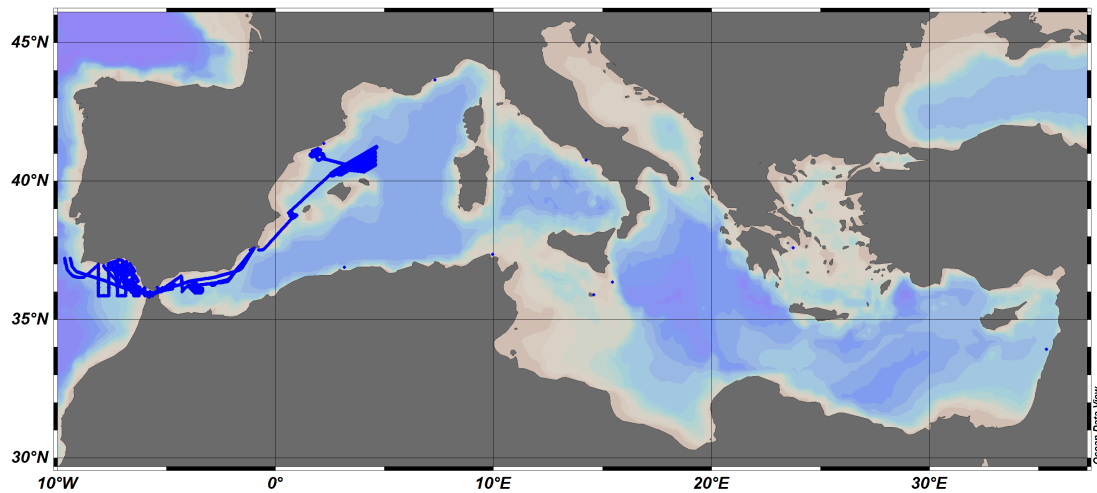


Fig. 1.

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OSC (in ppt m<sup>3</sup>):

$$OSC = \sum_{i=1}^n dx dy \int_{z_1}^{z_2} \Delta S dz$$

Areal density of OSC (in ppt m):

$$Areal\ Density\ OSC = \int_{z_1}^{z_2} \Delta S dz,$$

Fig. 2.

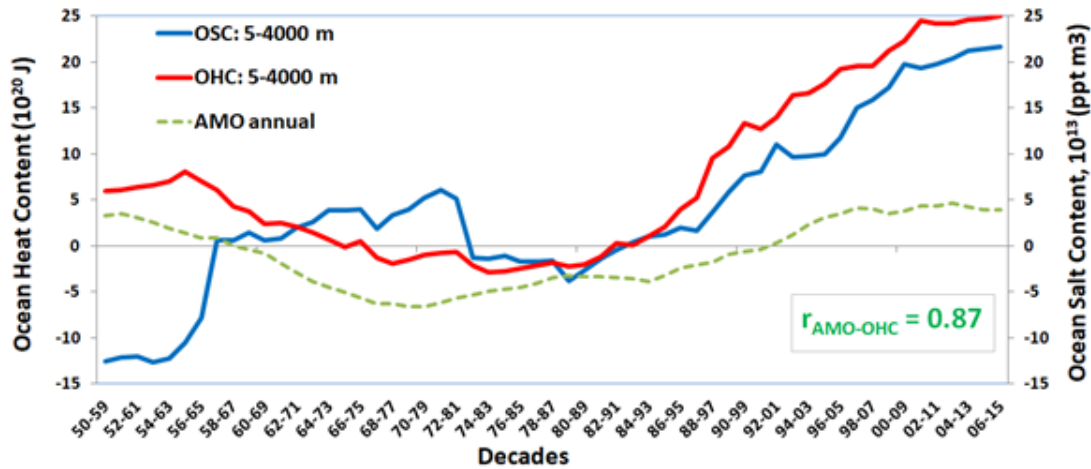


Fig. 3.

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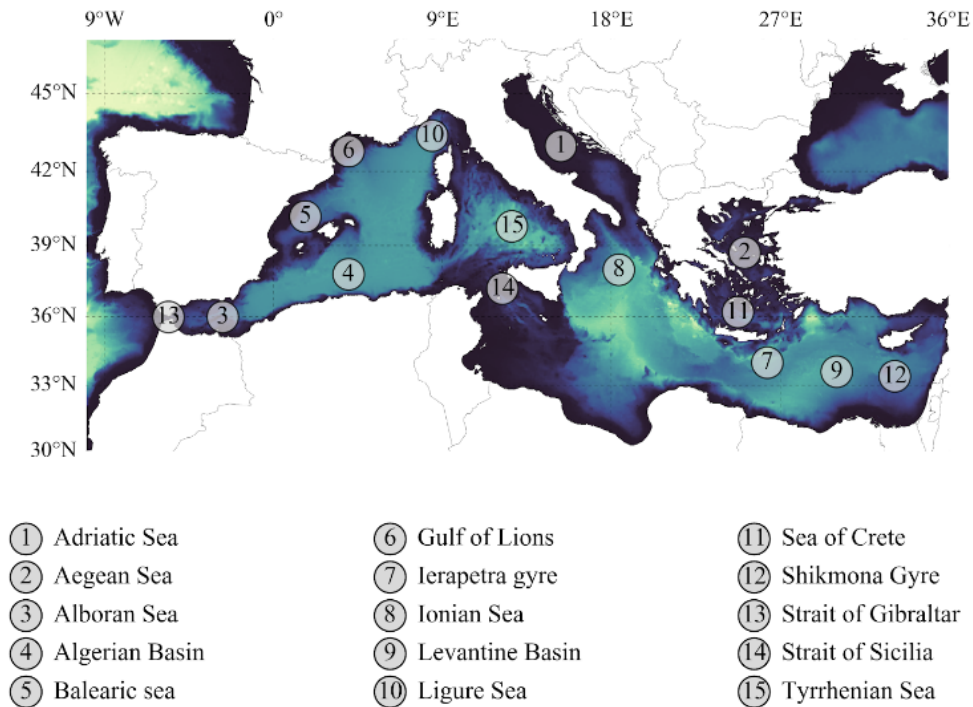


Fig. 4.

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