



*Supplement of*

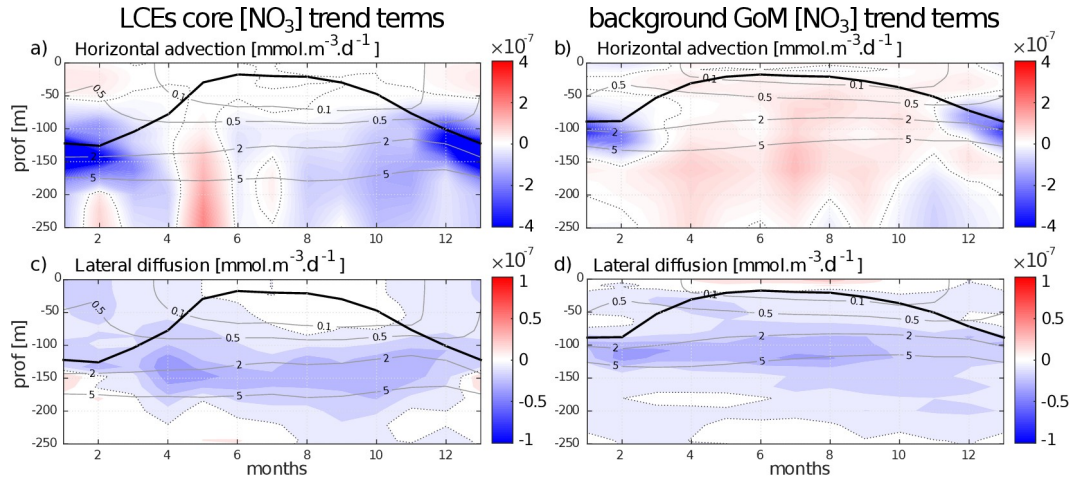
## **Do Loop Current eddies stimulate productivity in the Gulf of Mexico?**

**Pierre Damien et al.**

*Correspondence to:* Pierre Damien (pdamien@ucla.edu)

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This supporting information provides one figure made from the model outputs. It is not essential for the understanding of the manuscript but provides substantial information.



**Figure S1: Seasonal cycle of nitrate trend terms in the (left column) LCEs core and in the (right column) background GoM. The trend induced by (a and b) horizontal advection and the (c and d) lateral mixing are represented. Isopycnals anomalies (gray contours) and the depth of the mixed layer (black line) are superimposed.**