

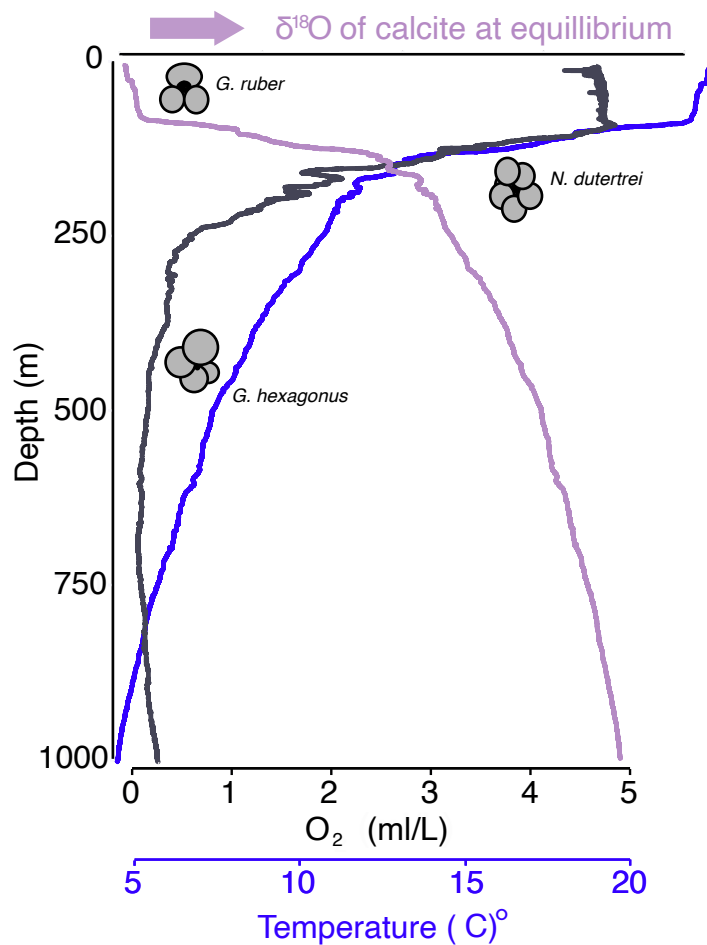
Supplement to Deglacial Restructuring of the Eastern Equatorial Pacific Oxygen Minimum Zone

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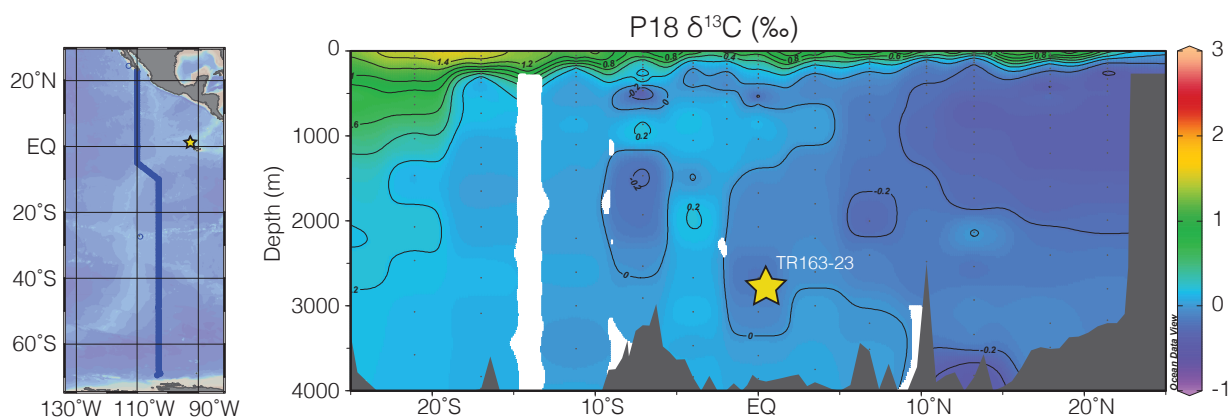
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Supplementary Figures



Supplemental Figure 1. A schematic of habitat with respect to temperature, O₂ and $\delta^{18}\text{O}$ for three foraminiferal species. *Globigerina ruber* is shown in the mixed layer, *N. dutertrei* in the thermocline, and *G. hexagonus* below the oxycline. The temperature and O₂ profiles are adapted from¹ with $\delta^{18}\text{O}$ of calcite at equilibrium calculated from temperature and salinity. Profiles are meant to be representative of an OMZ setting rather than specific to either the modern or glacial EEP.



Supplemental Figure 2. A map and section along the WOCE transect P18 (2007) showing the $\delta^{13}\text{C}$ of DIC with depth and latitude near the study site. The location of TR163-23 is shown as a yellow star in both plots.

Supplementary Data Legends

Supplemental Data 1. Data table with $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ for *G. hexagonus* by sample ID (cruise_core_coredepth). Measurement error is 0.05‰ $\delta^{18}\text{O}$ for and 0.03‰ for $\delta^{13}\text{C}$

Supplemental Data 2. Data table with morphometrics for *G. hexagonus* by sample ID (cruise_core_coredepth) and individual foraminiferal ID. Measurements consist of shell length, number of chambers in the final whorl, and porosity of the final chamber.

References

- 1 Davis, C.V., Wishner, K., Renema, W. & Hull, P.M. Vertical distribution of planktic foraminifera through an oxygen minimum zone: how assemblages and test morphology reflect oxygen concentrations. *Biogeosciences* **18**, 977-992 (2021).