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*Supplement of*

## **Ocean carbon and nitrogen isotopes in CSIRO Mk3L-COAL version 1.0: a tool for palaeoceanographic research**

**Pearse J. Buchanan et al.**

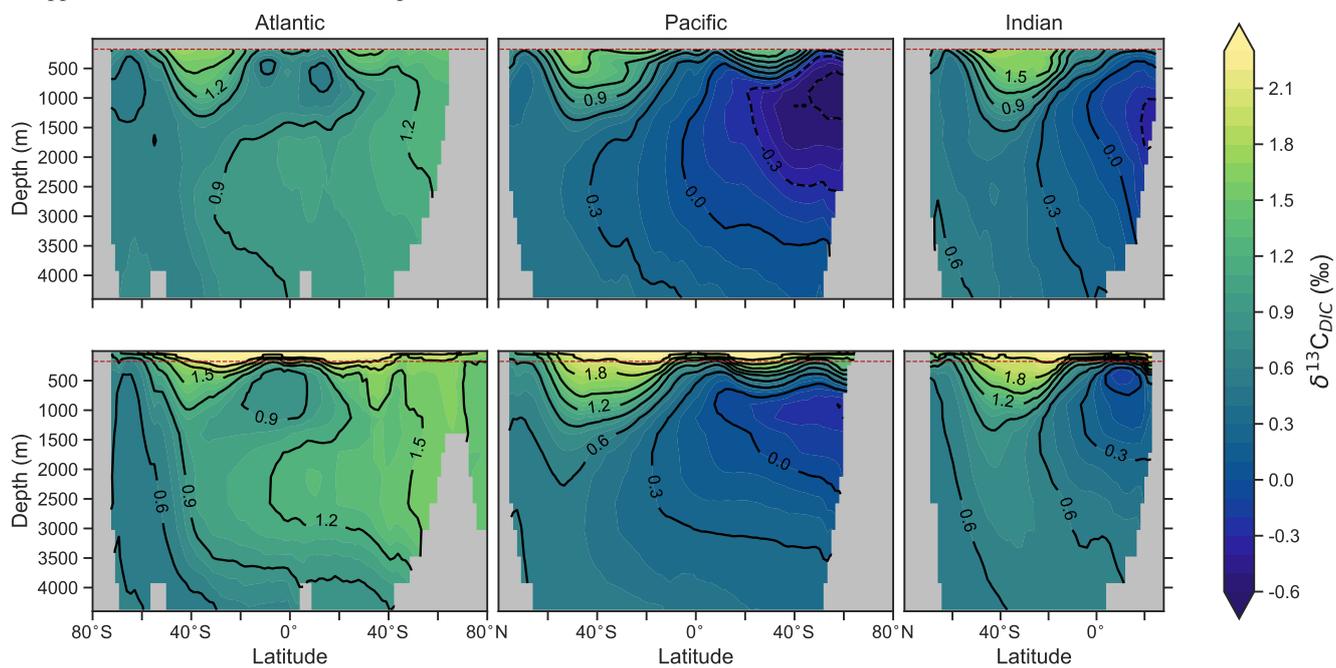
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- 1 The supplementary material consists of:
- 2 – Figure S1: Zonal mean observed (top) and UVic-MOBI modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin.
- 3 – Figure S2: Zonal mean observed (top) and PISCES modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin.
- 4 – Figure S3: Zonal mean observed (top) and LOVECLIM modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin.
- 5 – Figure S4: Zonal mean observed (top) and iCESM-low modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin.

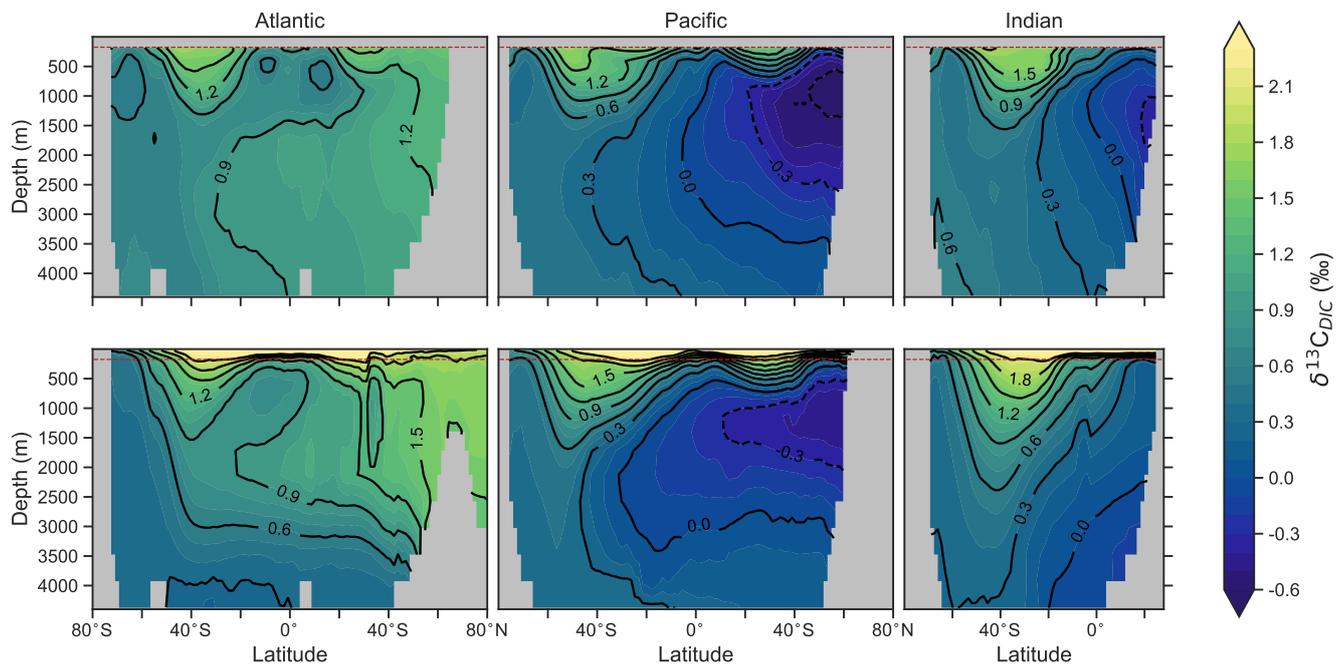
6 **Figure S1**

**Figure S1.** Zonal mean observed (top) and UVic-MOBI modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin. The red dashed line marks the upper 175 metres and is used for comparison between observed and modelled distributions.



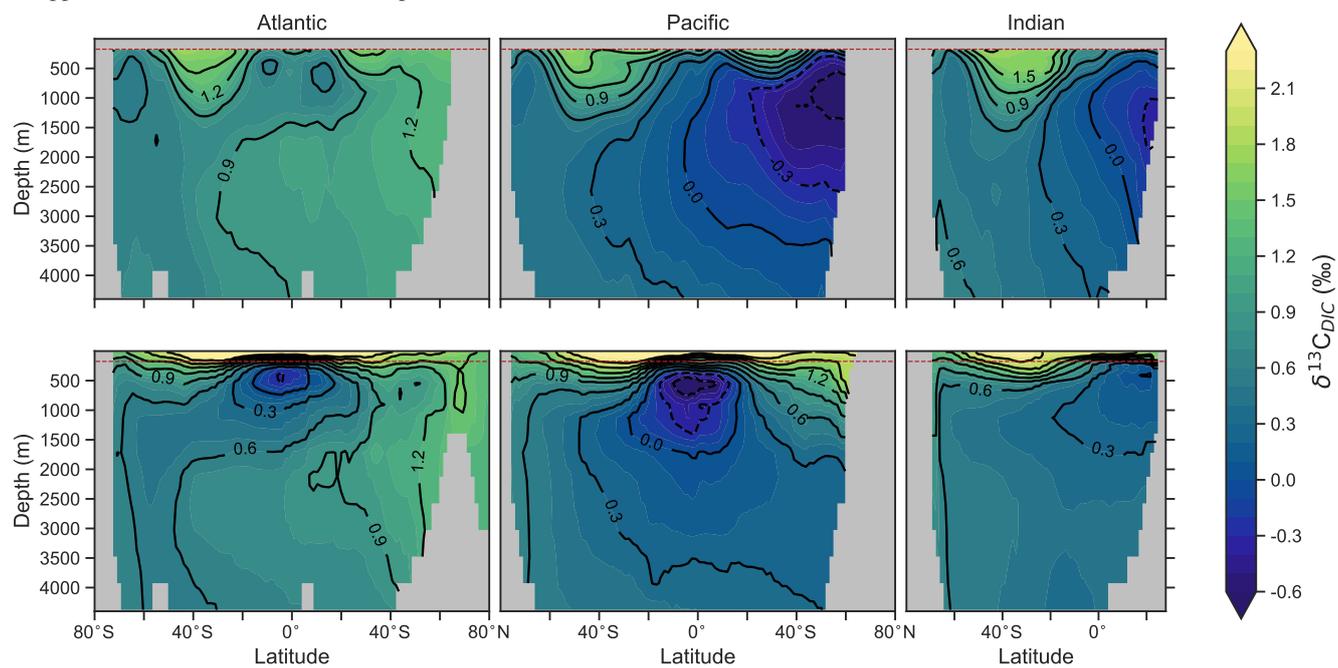
1 **Figure S2**

**Figure S2.** Zonal mean observed (top) and PISCES modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin. The red dashed line marks the upper 175 metres and is used for comparison between observed and modelled distributions.



1 **Figure S3**

**Figure S3.** Zonal mean observed (top) and LOVECLIM modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin. The red dashed line marks the upper 175 metres and is used for comparison between observed and modelled distributions.



1 **Figure S4**

**Figure S4.** Zonal mean observed (top) and iCESM-low modelled (bottom)  $\delta^{13}\text{C}$  of DIC for each major basin. The red dashed line marks the upper 175 metres and is used for comparison between observed and modelled distributions.

