



fig. S2: Spline interpolated seawater $\delta^{13}\text{C}_{\text{DIC}}$ (purple line) and CO_3^{2-} (light blue line) for the Mozambique Channel. For comparison, means values of $\delta^{13}\text{C}_{\text{CC}}$ for *G. ruber*, *N. dutertrei*, *P. obliquiloculata* and *G. scitula* for eddy (red) and non-eddy (blue) are plotted. Horizontal scale in middle indicates standard deviation. Data is plotted for the upper 500 m only.