



fig. A1: Map of sediment trap location (diamond) and locations of the the C_3^{2-} and $\delta^{13}C_{DIC}$ data extracted from the World Ocean Database 2009. For comparison, means values of $\delta^{13}C_{CC}$ for *G. ruber*, *N. dutertrei*, *P. obliquilocuata* 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.