Fig. S4: Monthly evolution of (a) $T_{\text{CANT}}$° (magenta) as well as the diapycnal (blue), isopycnal (red), net (green) and total (black) transport of $C_{\text{ANT}}$ (kmol s$^{-1}$), (b) the maximal intensity of MOC (MOC$\sigma$, Sv), and (c) the $C_{\text{ANT}}$ concentration in its upper (triangles) and the lower (inverse triangles) branches ($\mu$mol kg$^{-1}$) at the Greenland-Portugal OVIDE section computed offline from monthly averaged model output (continuous line) and compared to estimations derived from the OVIDE data set (dotted line) over the period 2002-2010. Colored dots symbolize the month June. The grey dashed line of panel (a) represents $C_{\text{ANT}}$ transport across the OVIDE section computed in online by the model (includes advective, diffusive and eddies contributions).