

S1. Scatter plots of dissolved cobalt concentrations (DCo) along the GEOTRACES-A02 section below 4 kdb (a; dark squares) and at three potential density anomaly: $\sigma_0 = 27.65 \pm 0.1$ kg.m^{-3} (b; blue diamonds), $\sigma_0 = 27.85 \pm 0.02$ kg.m^{-3} (b; red squares) and $\sigma_0 = 27.88 \pm 0.015$ kg.m^{-3} (b; green triangles).

