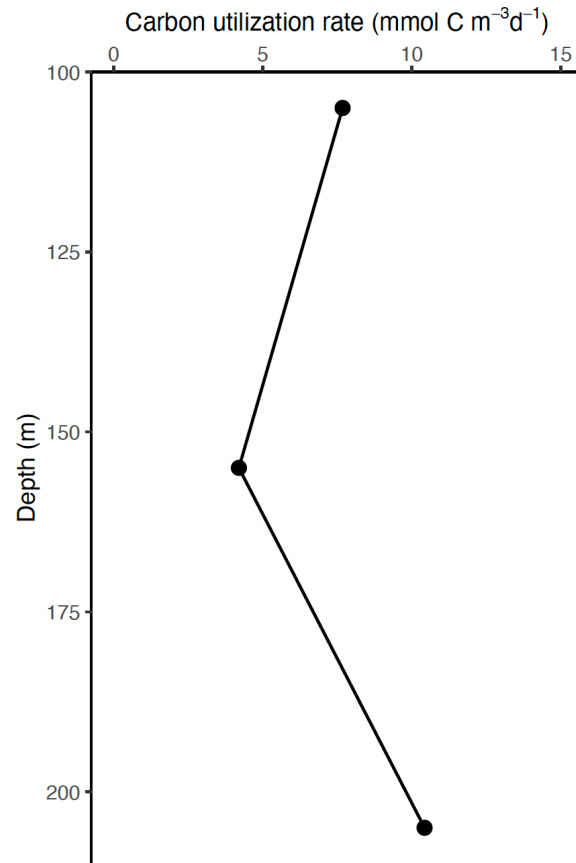
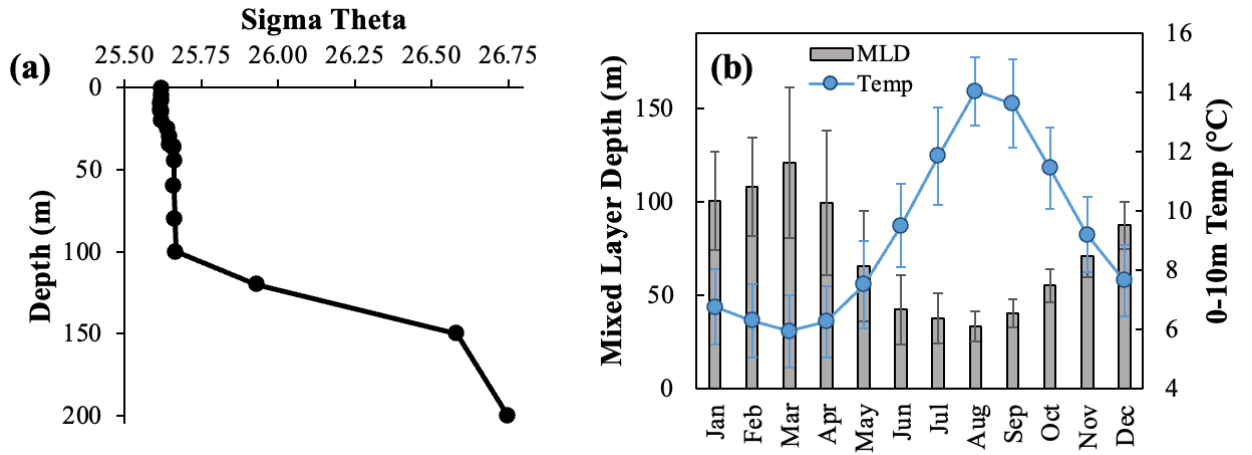
Supp. Fig. 1. Decreases in DOC concentrations were used to infer DOC removal rates, the contributions to which may not have been accurately captured by methods conducted during the cruise (i.e., long-term DOC removal may not be captured by ^{3}H-Leu-based uptake by free-living bacteria). When integrated over the 95 to 500 m depth range, DOC removal rates averaged 5.6 ± 3.2 mmol C m^{-2} d^{-1}.

Supp. Fig. 2. Particle-attached respiration rates estimated from RESPIRE traps during Epoch 3 at 105, 155 and 205 m. Note that the carbon utilization error bars are less than the size of the data points (e.g., 0.03 mmol C m^{-3} d^{-1}).

Supp. Fig. 3. Potential density profile from the OSP Mooring collected on March 29, 2018, illustrating the weakest stratification (a). Mean OSP Mooring monthly mixed layer depths (MLD) and surface temperature (0-10 m average) collected between 2008 and 2018 (b).