A model study of the seasonal and long term North Atlantic surface pCO$_2$ variability


Introduction:

This supplemental material contains two figures. Figure 1 shows time-series of sea surface temperature (SST) from both the model and observation over the 2002–2007 periods at the NASPG, NE-ATL, Caribbean, and BATS domains. Figure 2 shows model simulated net primary production (NPP) for the three locations in the North Atlantic: sub polar (Nuka domain), sub tropical (North-east domain), and the tropical (Carribean domain). The model simulations are plotted together with the observational estimates based on the remote sensing model, VGPM (Behrenfeld et al., 1997).

References
Figure 1: Time series of both observed and model simulated sea surface temperature (SST) for the four domains in the North Atlantic: North Atlantic subpolar gyre (NASPG), sub tropical (NE-ATL), Caribbean, and BATS over the 2002–2007 periods.
Figure 2: Time series of model simulated net primary production (NPP) for the three domains in the North Atlantic: sub polar (Nuka), sub tropical (NE-ATL), and tropical (Caribbean) regions over the 2003–2007 periods. The observational estimates from the SeaWiFS remote sensing data are also included.