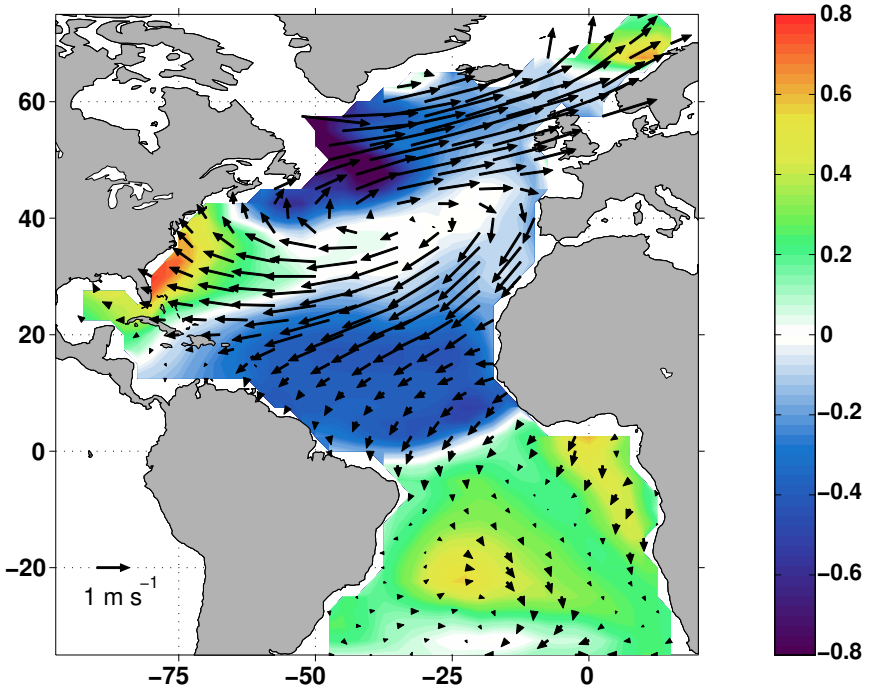
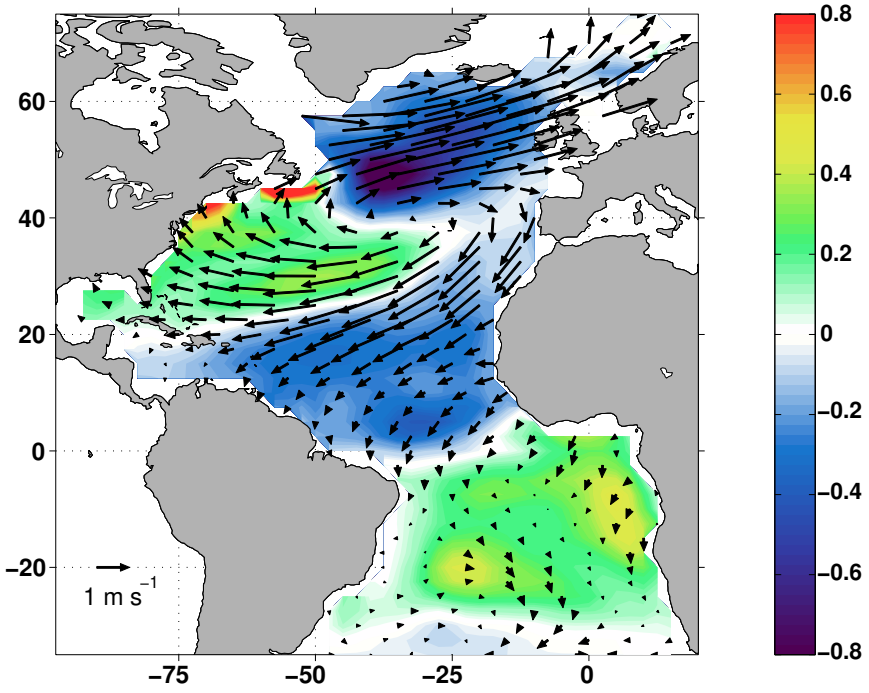
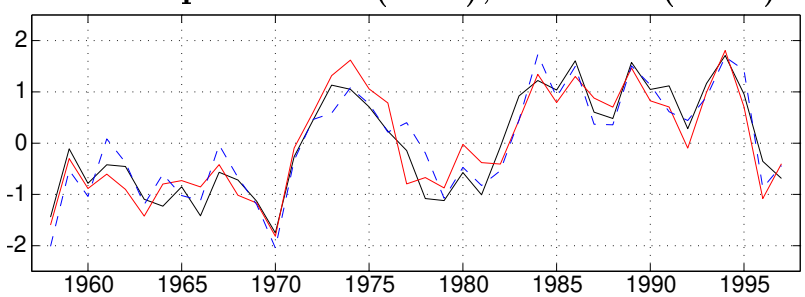
(a) Variable Depth OML First Mode of Variability



(b) OGCM First Mode of Variability



(c) Observed Time Series (Black), Variable Depth OML (Red), OGCM (Blue)