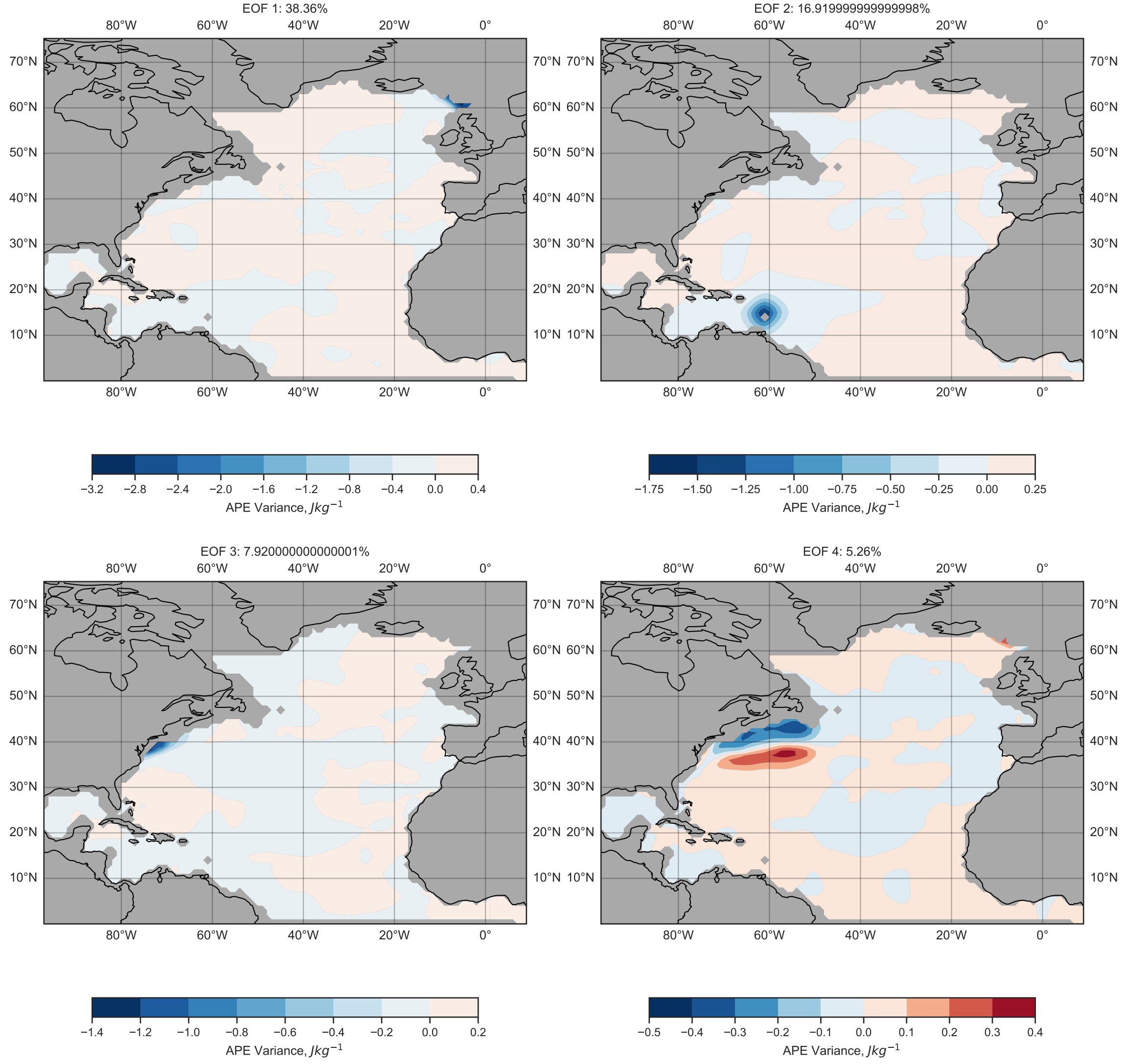North Atlantic Ocean, EOF as Covariance: APE density at 800m