

Supplement

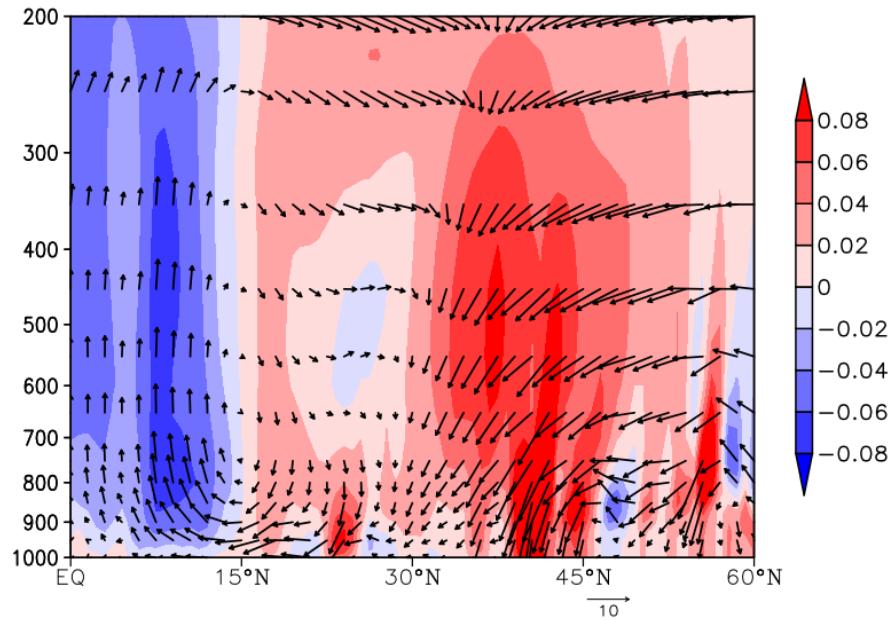


Figure S1. The 1979-2010 climatology of the local meridional circulation (114°-120°E mean). Omega, shading, units: $\text{Pa} \cdot \text{s}^{-1}$; wind, arrow, omega magnified 100 times, units: $\text{m} \cdot \text{s}^{-1}$. To make the horizontal velocity and the vertical velocity in the same order, the vertical velocity (omega) here is magnified 100 times.