



FIG. 7. Schematic of the vertical vorticity generation through vortex tilting. (a) For negative vorticity (easterly shear), ascending motion pushes the vortex lines up in the center, producing cyclonic rotation in the north and anticyclonic rotation in the south. (b) Localized descent in a region of positive vorticity (westerly shear) produces the same vertical vorticity pattern. (Adapted from Weisman and Davis 1998.)