



**Figure 7-6.** Schematic of the principal regions of the lower stratosphere with distinct transport characteristics. Broad arrows denote the diabatic circulation, wavy arrows denote stirring along isentropic surfaces. The thick solid line starting at about 7 km at the pole and ending at about 15 km at the equator is the tropopause, i.e., the notional boundary between troposphere below and stratosphere above. Isentropic surfaces (300K, 330K, 380K, and 400K) are drawn as thin solid lines in the troposphere and lower stratosphere. Isentropic surfaces in the remainder of the stratosphere may be assumed to be roughly horizontal. See text for further discussion.