



FIGURE 11.8. Meridional profiles of the vertical- and zonal-mean northward transport of momentum by all motions (a), transient eddies (b), stationary eddies (c), and mean meridional circulations (d) in units of $\text{m}^2 \text{s}^{-2}$ for annual, DJF, and JJA mean conditions [to convert to angular momentum transport units of $10^{18} \text{ kg m}^2 \text{ s}^{-1}$ multiply values by $2\pi R^2 \cos^2 \phi (p_0/g) = 2.56 \cos^2 \phi$, where $2\pi R \cos \phi =$ length of latitude circle, $R \cos \phi =$ distance to rotation axis, and $p_0/g =$ mass per unit area $\approx 10^4 \text{ kg m}^{-2}$; from Oort and Peixoto, 1983].