Midlatitude Tropopause and Low-Level Moisture

Corrections of typos

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1. Relationship between tropopause and surface equivalent potential temperature

\[
\Psi_{STEM}(\phi, \theta_e) = \Psi_{eul}(\phi, \theta_e) + \Psi_{eddy}(\phi, \theta_e), \tag{1}
\]

\[
\Psi_{eul}(\phi, \theta_e) = \int_0^{p_s} \frac{2\pi a \cos \phi}{g} \frac{1}{2} \left[ 1 + \text{erf}\left( \frac{\theta_e - \bar{\theta}_e}{\sqrt{2} \bar{\theta}_e^{1/2}} \right) \right] d\tilde{p}, \tag{2}
\]

\[
\Psi_{eddy}(\phi, \theta_e) = \int_0^{p_s} \frac{2\pi a \cos \phi}{g} \frac{-u'\theta'}{\sqrt{2\pi} \bar{\theta}_e^{1/2}} \exp\left( \frac{-(\theta_e - \bar{\theta}_e)^2}{2\bar{\theta}_e^2} \right) d\tilde{p}, \tag{3}
\]