$$\frac{\partial}{\partial t} \int \overline{\rho}^{(d)} \left\{ \left(1 + \overline{m}^{(wv)}\right) \left[\overline{K} + \overline{\Phi}_s + c_p^{(d)} \left(\overline{T} - T_{00}\right)\right] + \overline{m}^{(wv)} L_{s,00} + \overline{m}^{(liq)} L_{f,00} \right\} dz$$

$$- \Delta \mathcal{I}_{\partial m^{(wv)}/\partial t}^{(CAM)} = -c_p^{(d)} \overline{F}_{net}^{(wv)} T_{00} + \left\{ \overline{F}_{net}^{(wv)} L_{s,00} + \overline{F}_{net}^{(liq)} L_{f,00} + \overline{F}_{net}^{(turb,rad)} \right\}$$