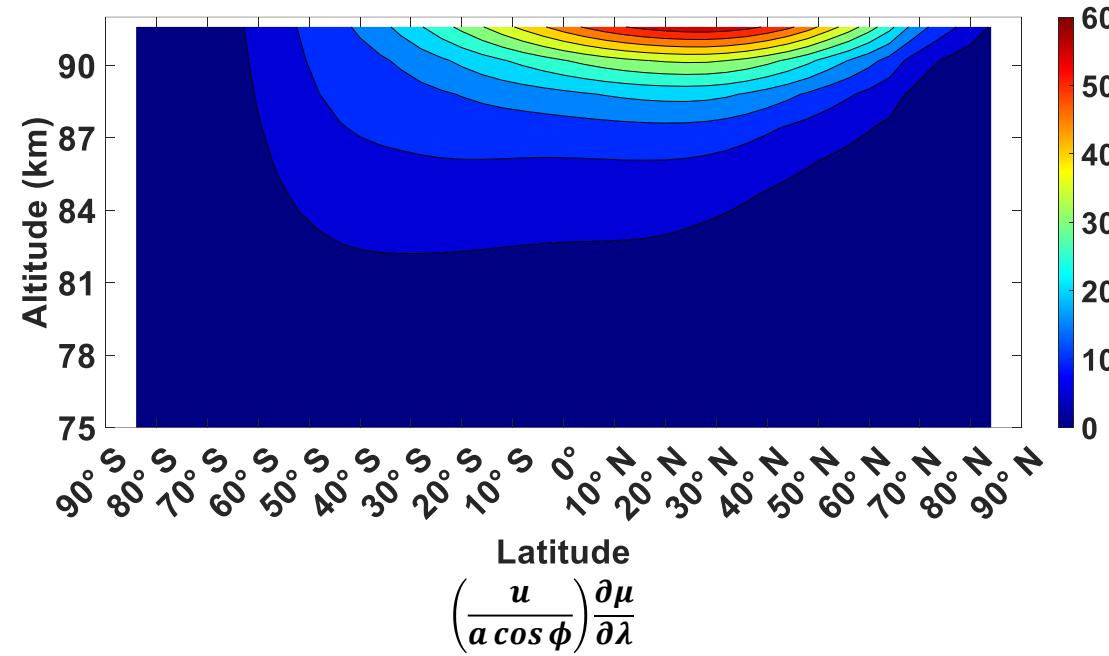
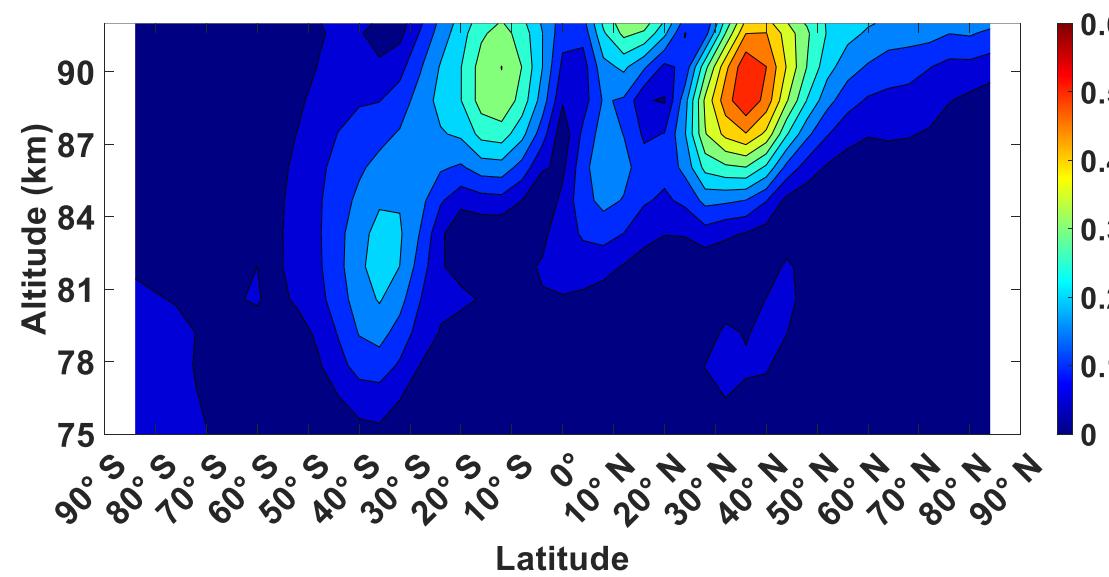


(a) DW1 amplitude of chemical production term in June (ppm/day)

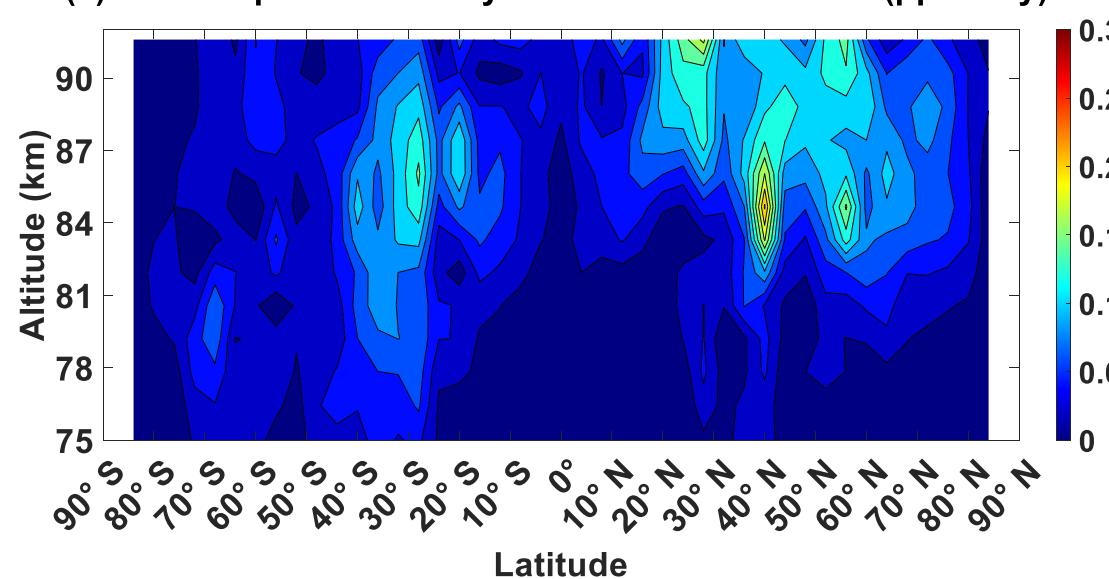


(c) DW1 amplitude of zonal advection term in June (ppm/day)

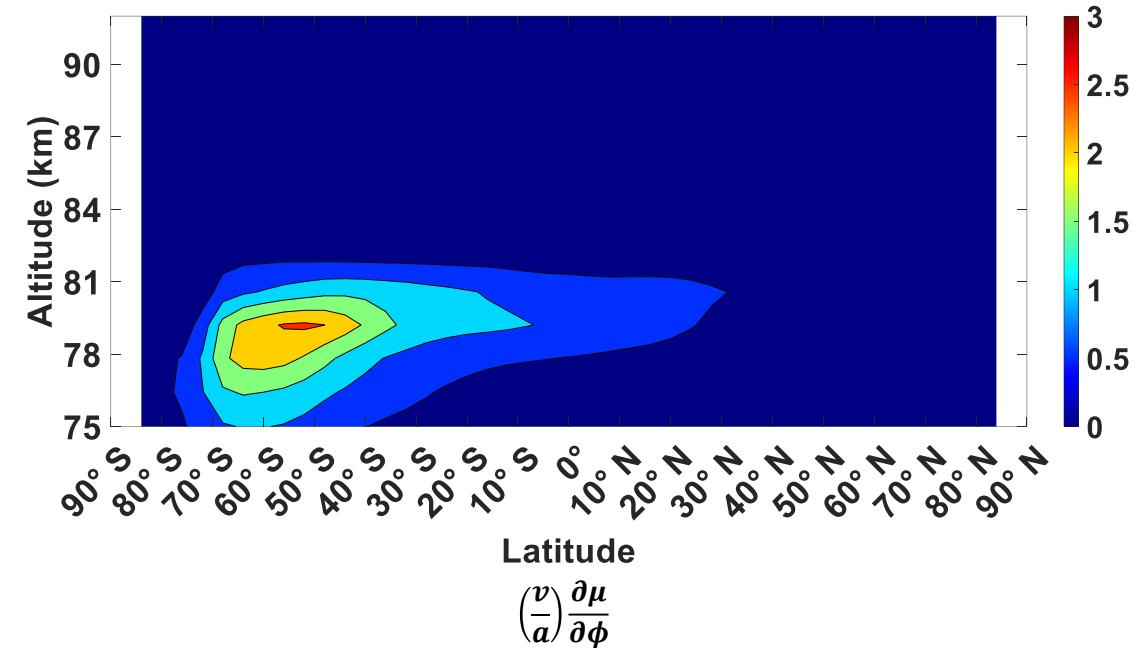


$$\frac{1}{\rho_0} \frac{\partial}{\partial z} \left( \rho_0 K_{zz} \frac{\partial \mu}{\partial z} \right)$$

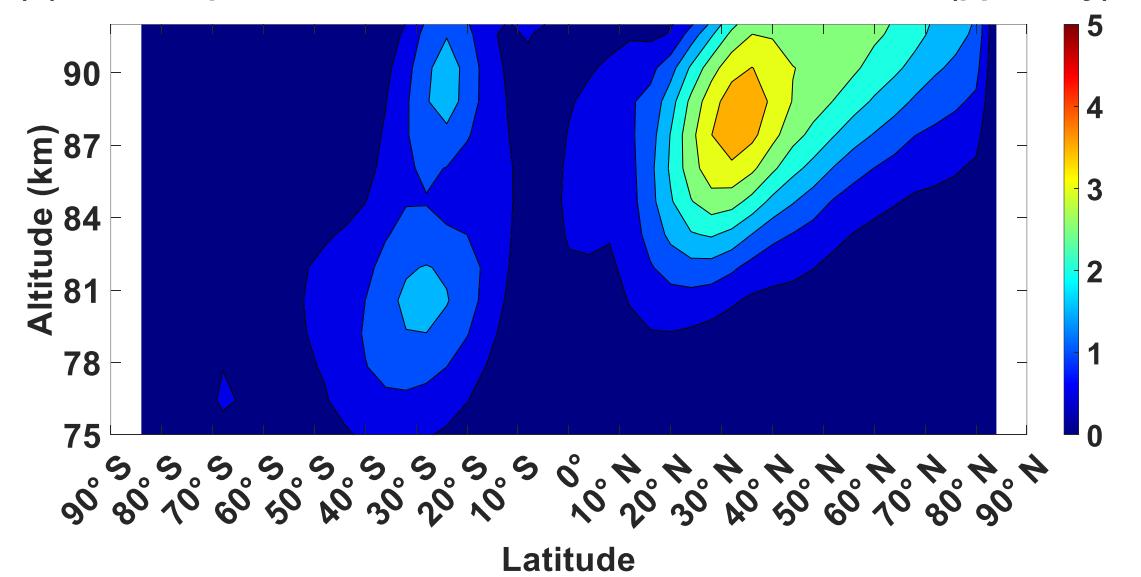
(e) DW1 amplitude of eddy diffusion term in June (ppm/day)



(b) DW1 amplitude of chemical loss term in June (ppm/day)



(d) DW1 amplitude of meridional advection term in June (ppm/day)



$$-\frac{1}{\rho_0} \frac{\partial}{\partial z} \left( \rho_0 D_\mu \frac{\partial \mu}{\partial z} \right) + \frac{1}{\rho_0} \frac{\partial}{\partial z} \left( \rho_0 \mu w_D \right)$$

(f) DW1 amplitude of molecular diffusion term in June (ppm/day)

