

MAM (81-10)

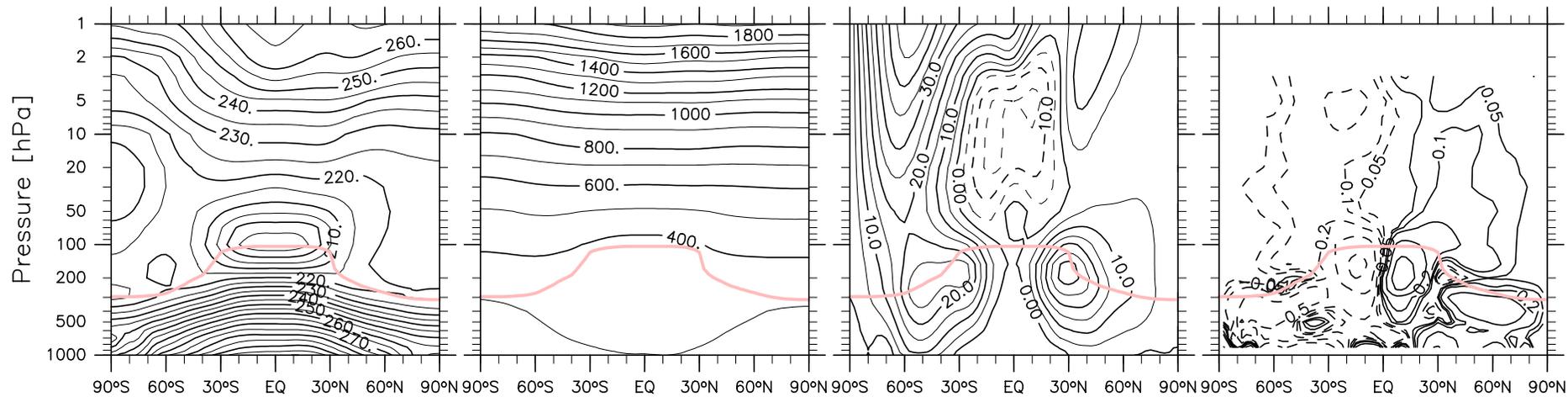
ERA-Int

(a) T [K]

(b) Θ [K]

(c) u [m/s]

(d) v_{res} [m/s]

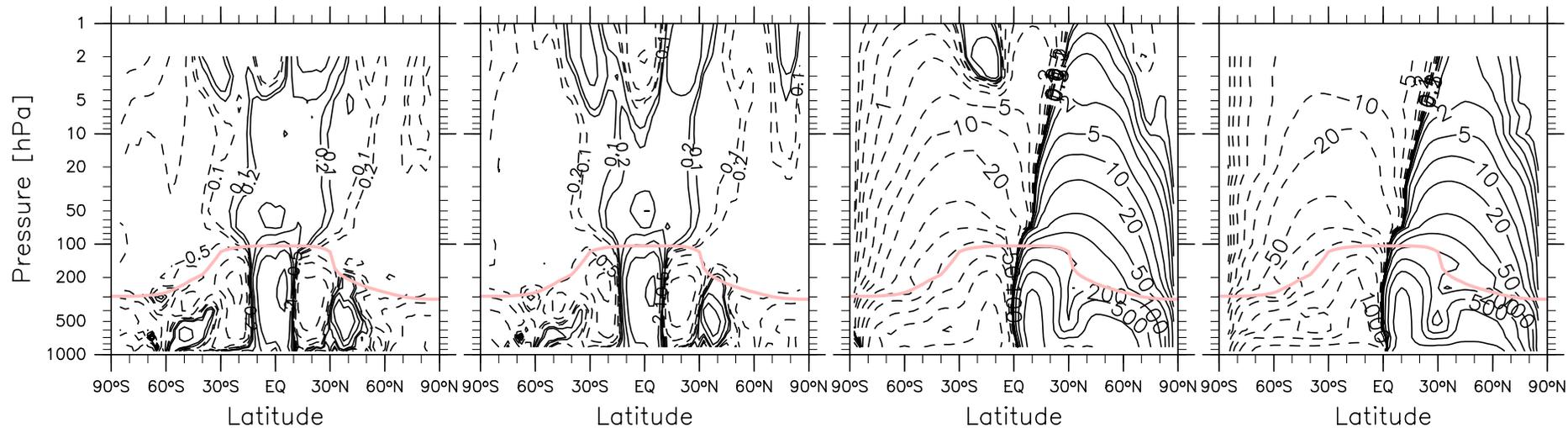


(e) w_{res} [mm/s]

(f) w_{res} from Ψ_{vres} [mm/s]

(g) Ψ_{vres} [kg/m/s]

(h) Ψ_{wres} [kg/m/s]



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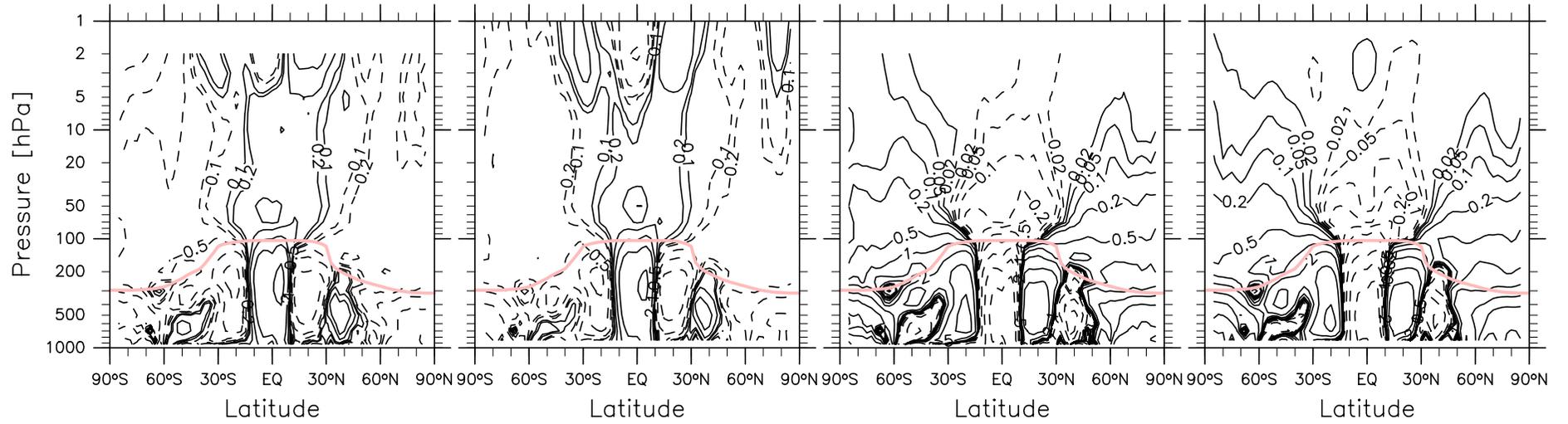
ERA-Int

(a) w_{res} [mm/s]

(b) w_{res} from ψ_{vres} [mm/s]

(c) ω_{res} [mPa/s]

(d) ω_{res} from ψ_{vres} [mPa/s]



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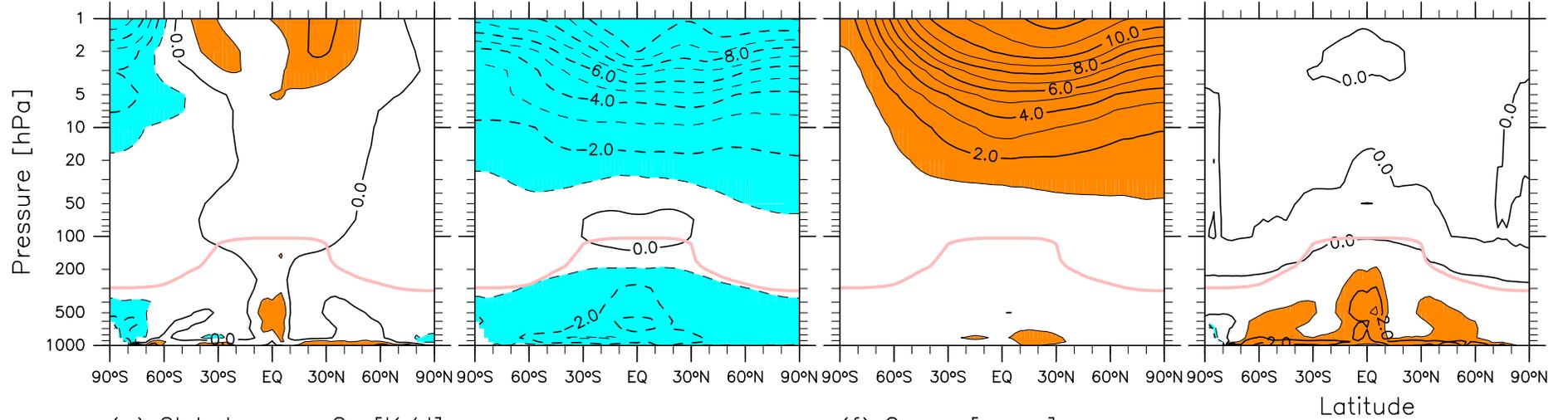
ERA-Int

(a) Q_{total} [K/d]

(b) $Q_{longwave}$ [K/d]

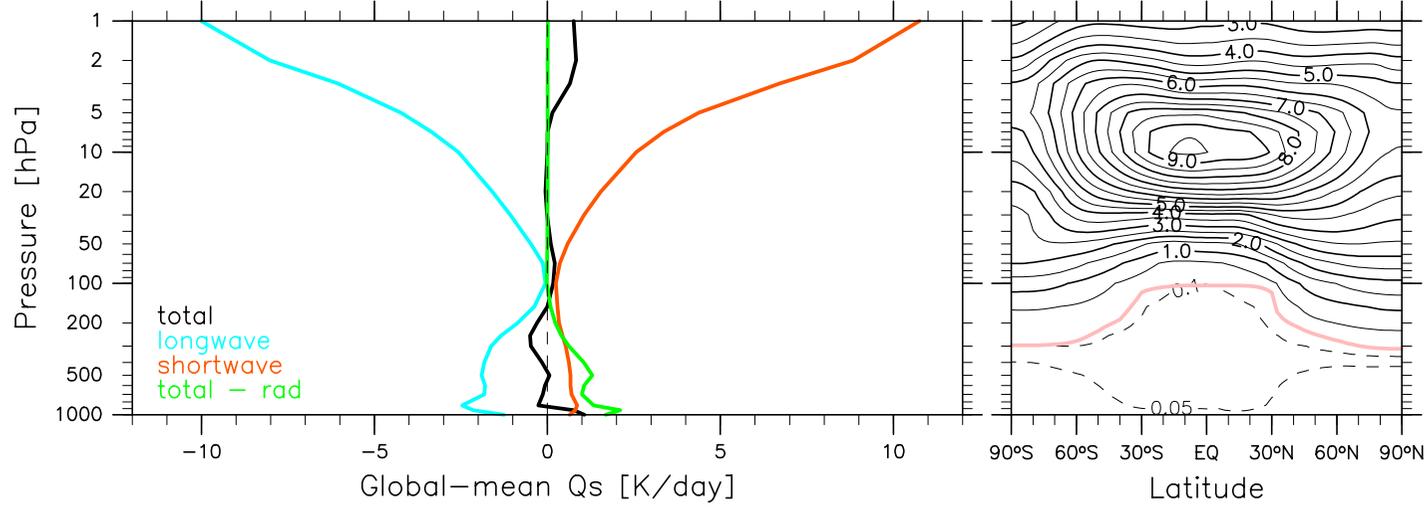
(c) $Q_{shortwave}$ [K/d]

(d) $Q_{total} - Q_{rad}$ [K/d]



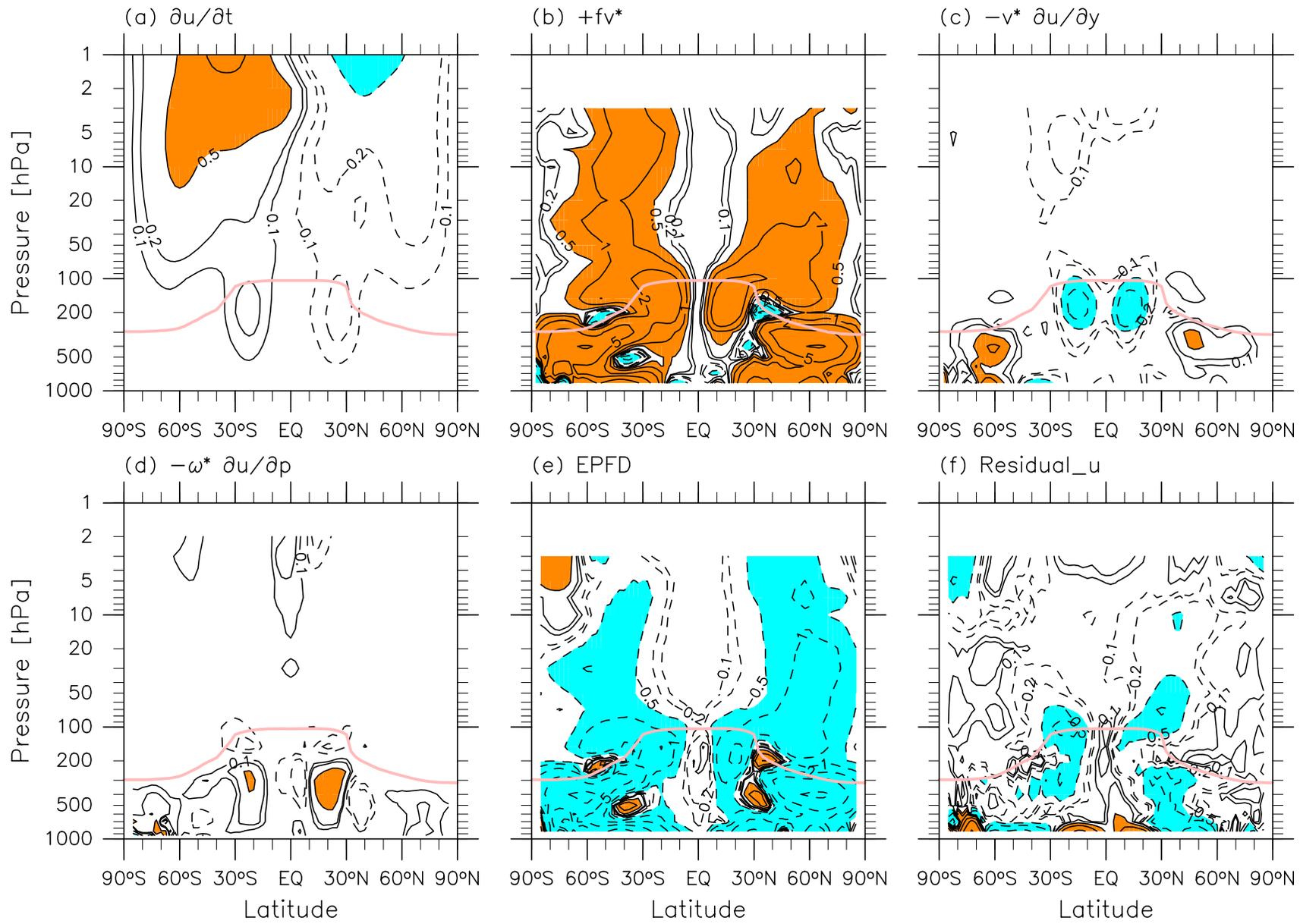
(e) Global-mean Q_s [K/d]

(f) Ozone [ppmv]



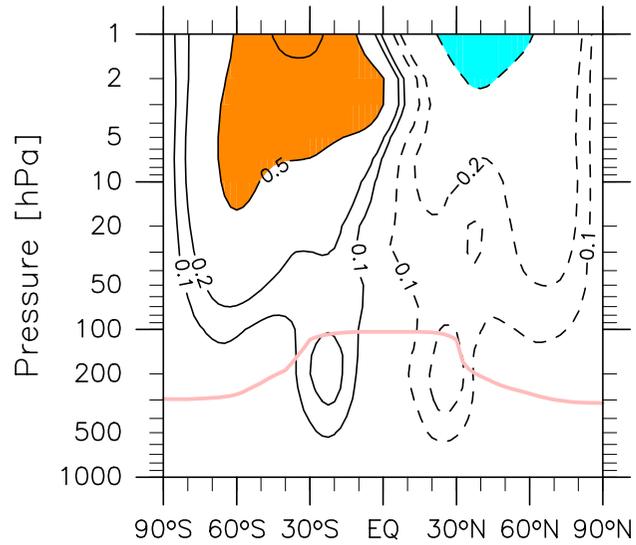
MAM (81-10)

ERA-Int



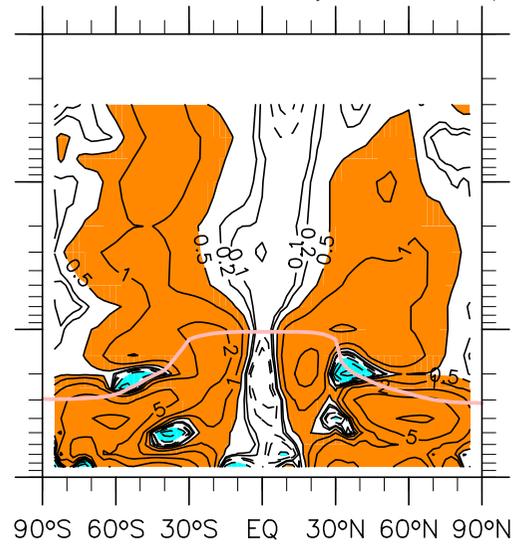
MAM (81-10)

(a) $\partial u / \partial t$

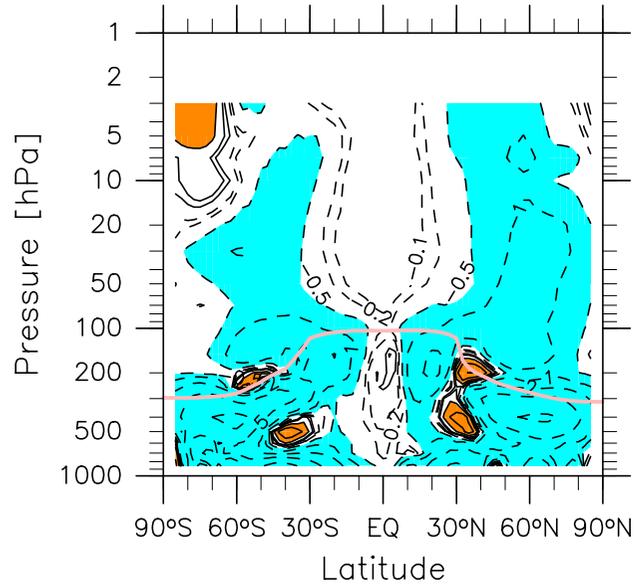


ERA-Int

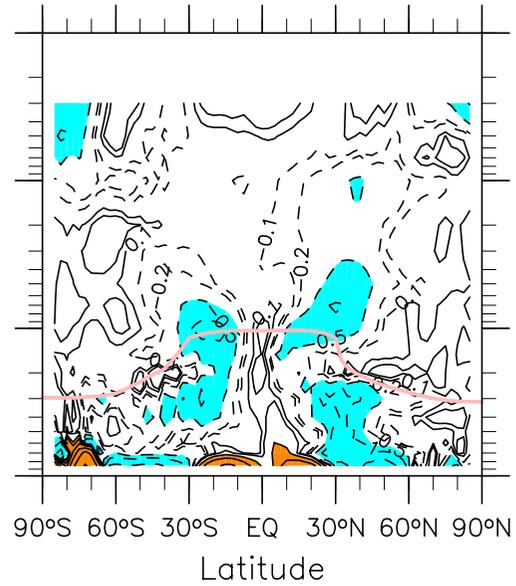
(b) $+fv^* - v^* \partial u / \partial y - \omega^* \partial u / \partial p$



(c) EPFD



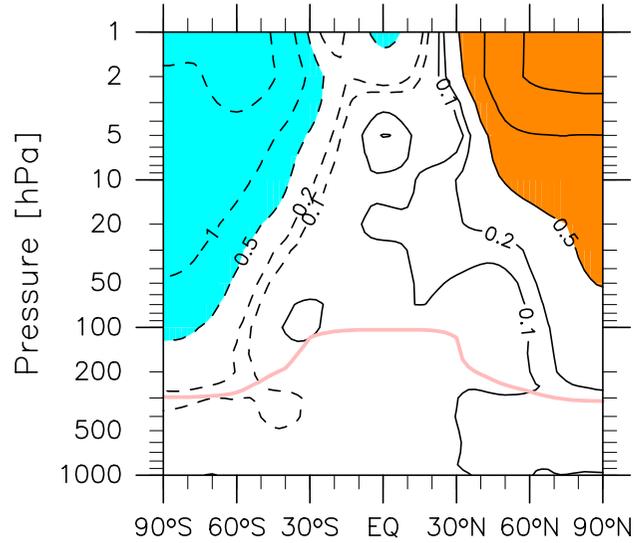
(d) Residual_u



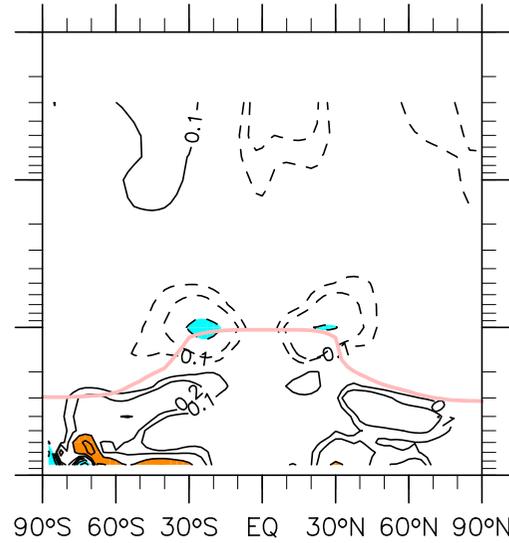
MAM (81–10)

ERA-Int

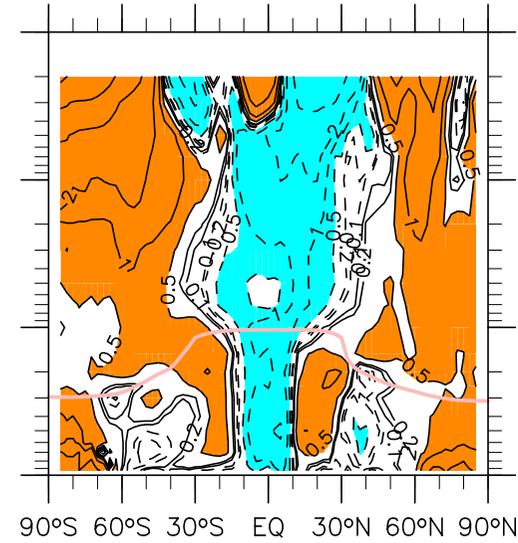
(a) $\partial\theta/\partial t$



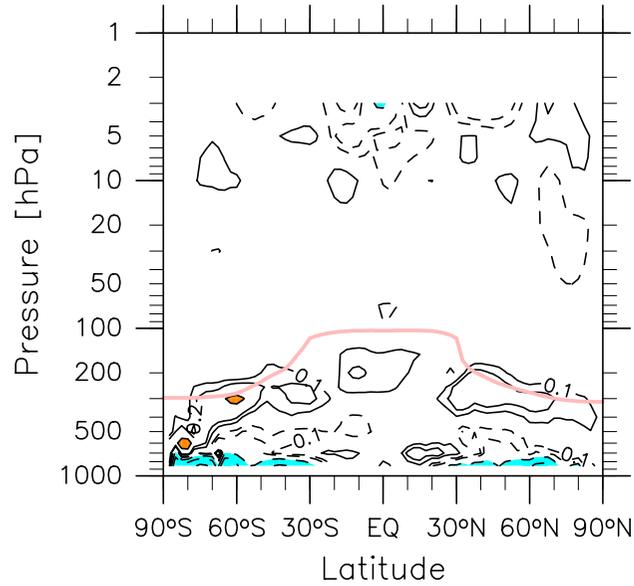
(b) $-v^* \partial\theta/\partial y$



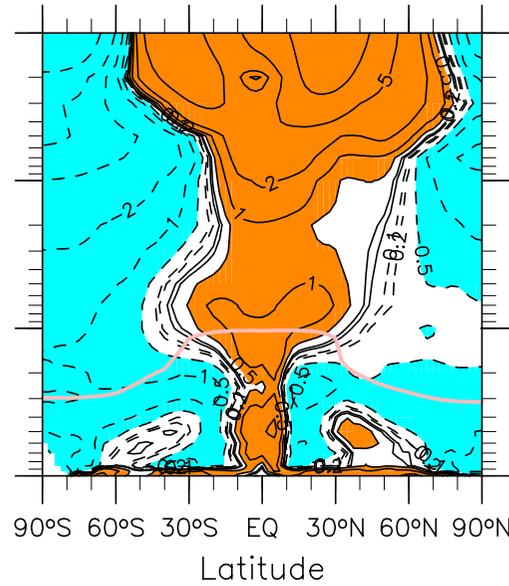
(c) $-\omega^* \partial\theta/\partial p$



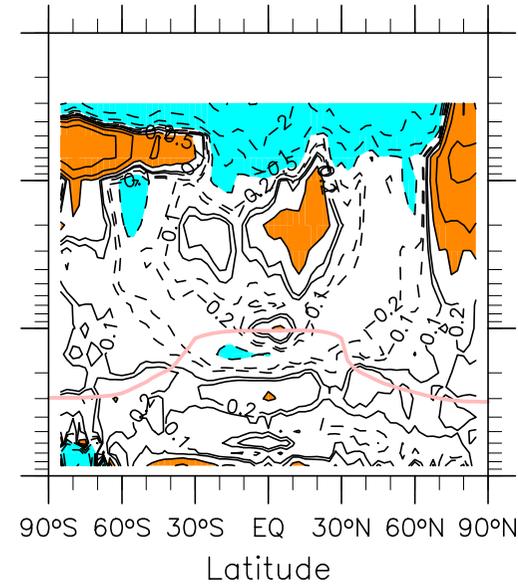
(d) TEM-thermo flux term



(e) Q_{total}

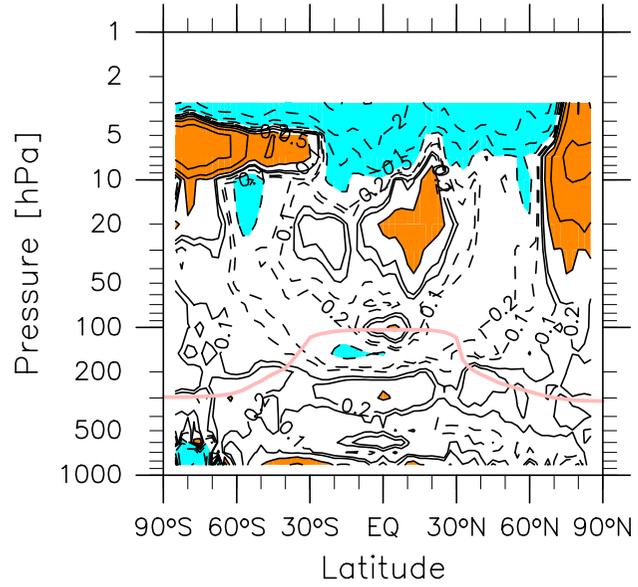


(f) Residual_θ

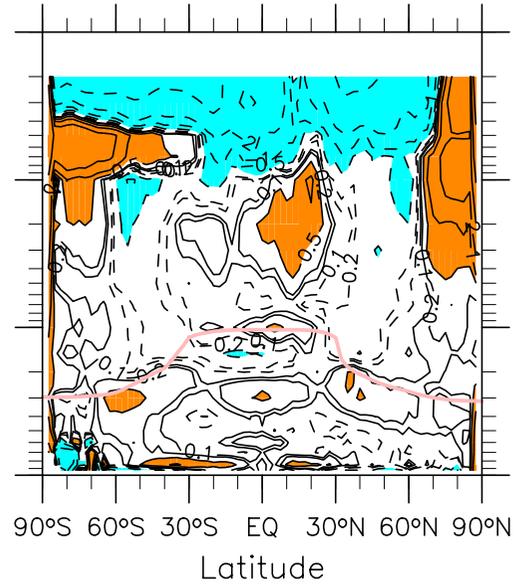


MAM (81-10)

(a) Residual_ θ (TEM)



(b) Residual_ θ (EM)



ERA-Int

(c) difference (TEM minus EM)

