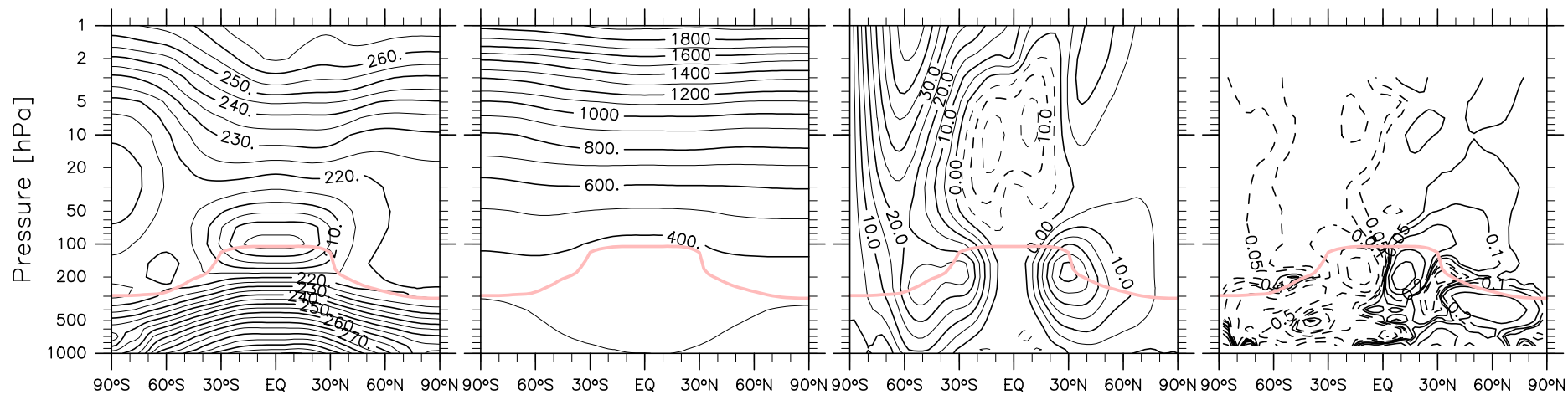
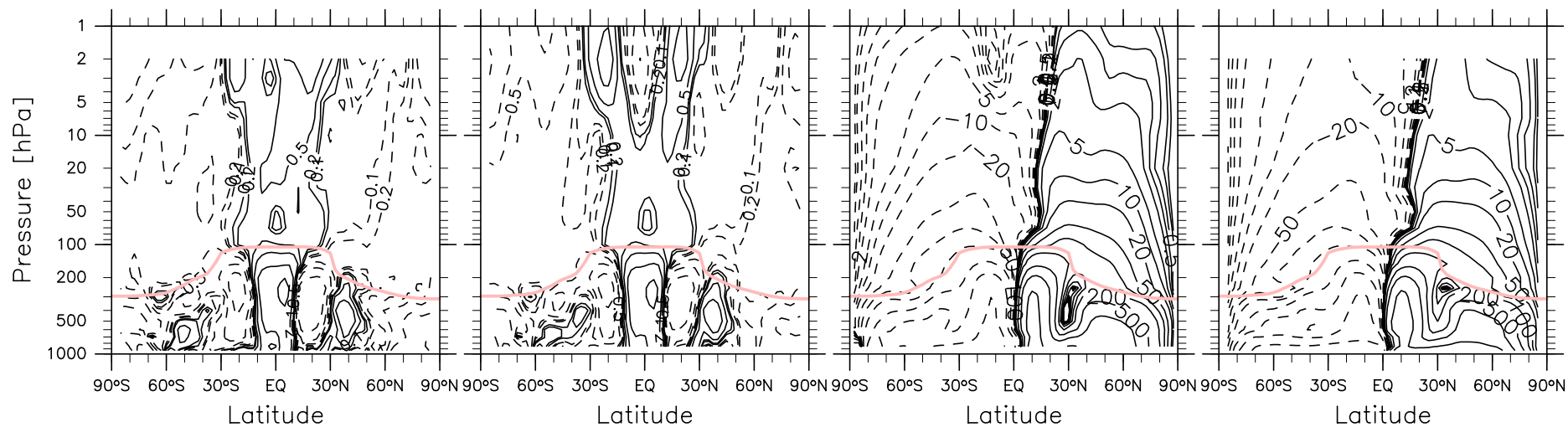


MAM (81–10)

CFSR

(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]

MAM (81–10)

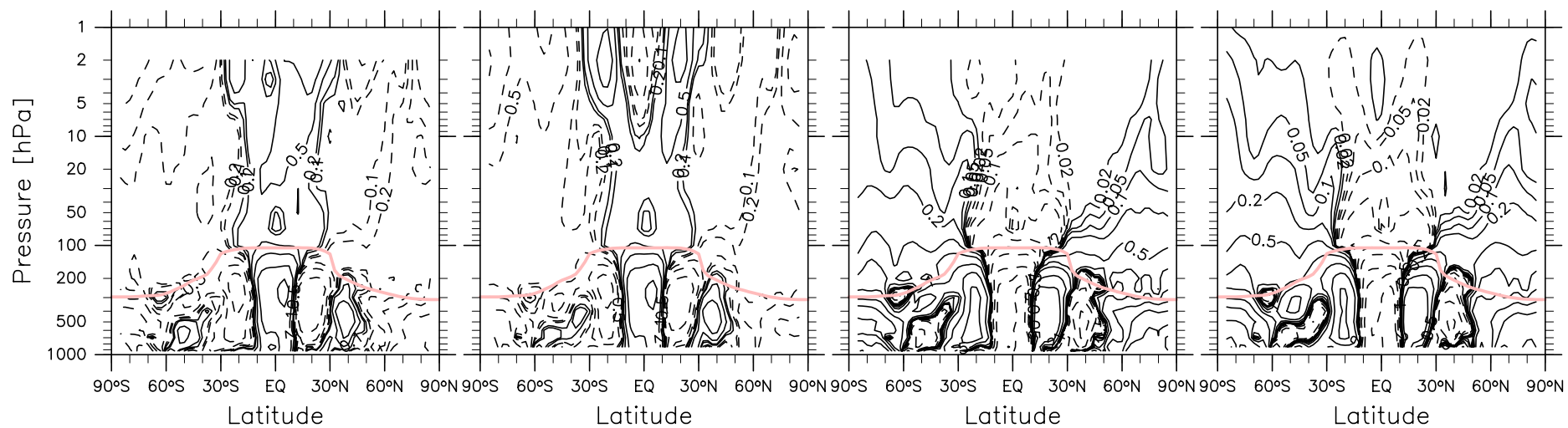
CFSR

(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]



MAM (81–10)

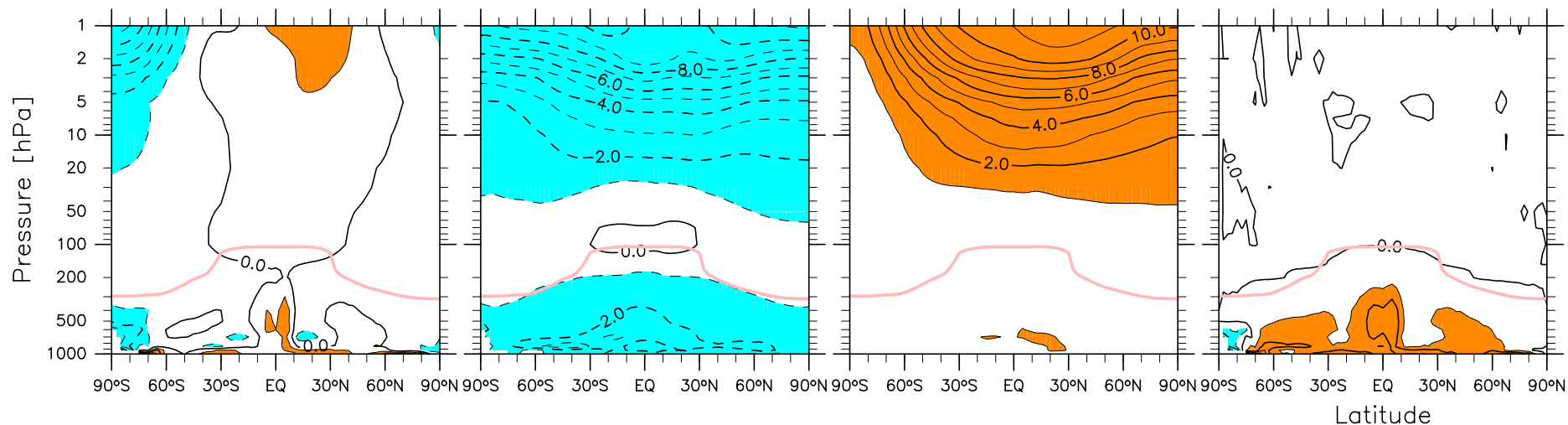
CFSR

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

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

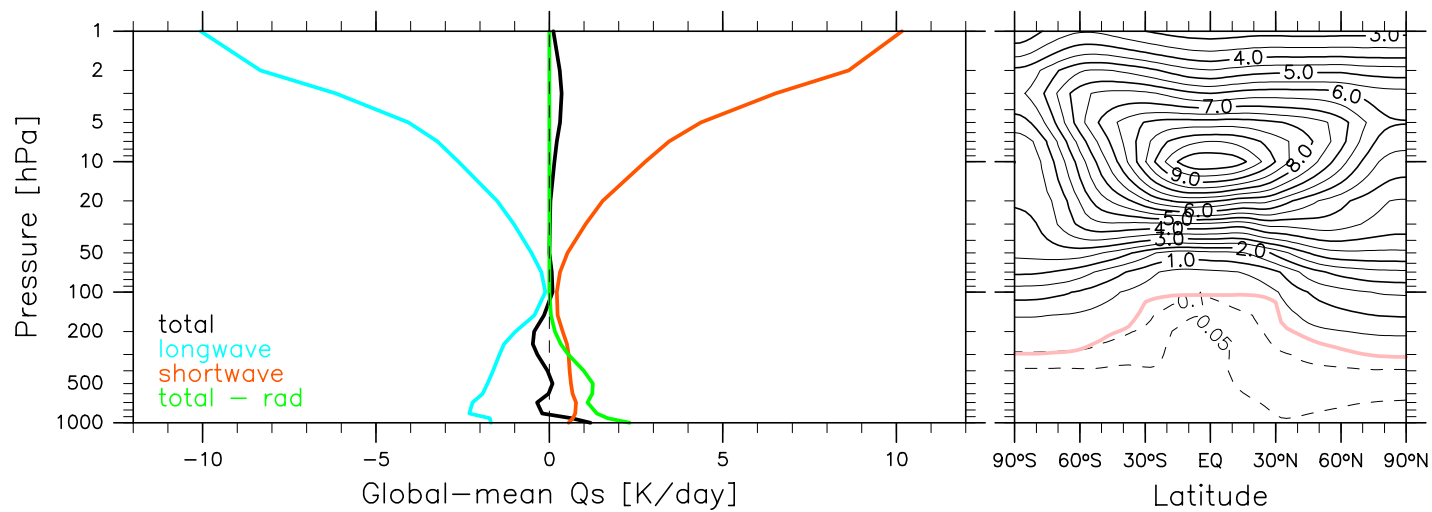
(c) $Q_{\text{shortwave}}$ [K/d]

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



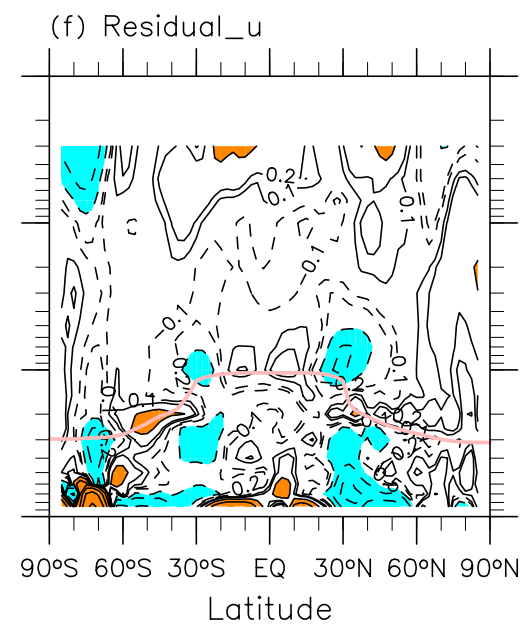
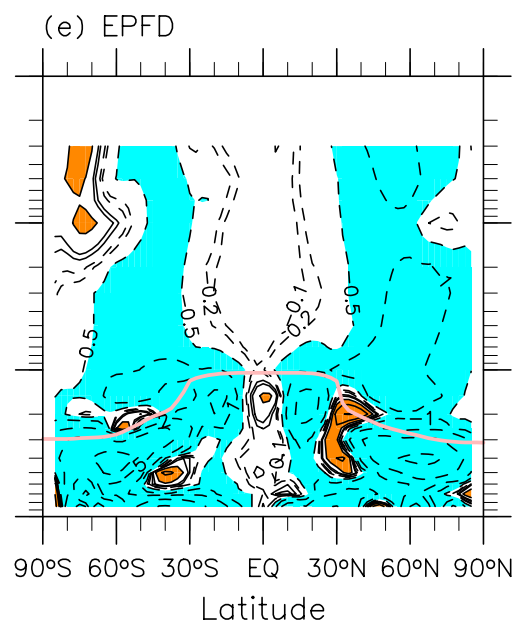
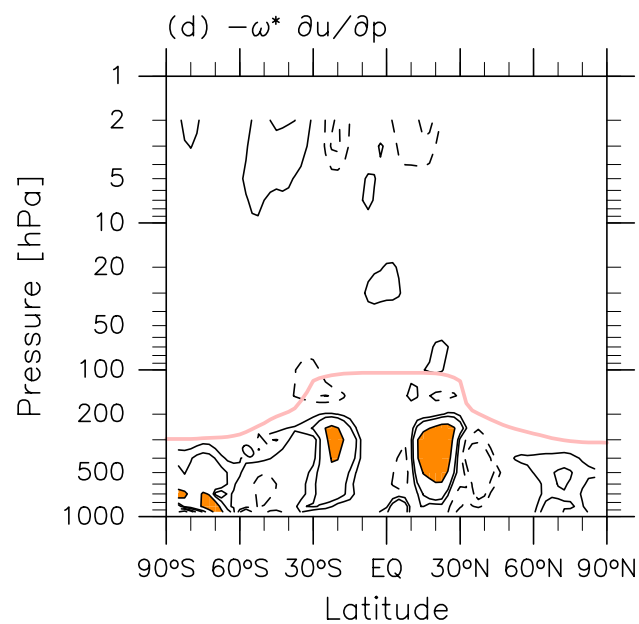
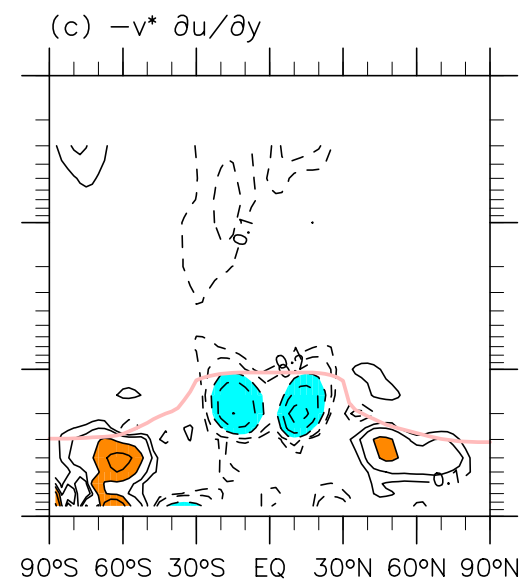
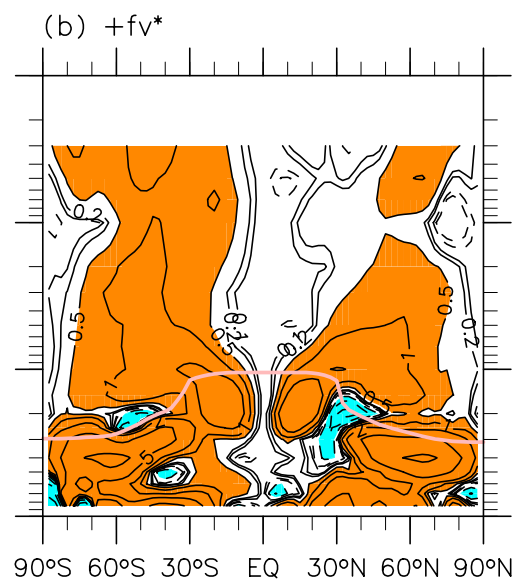
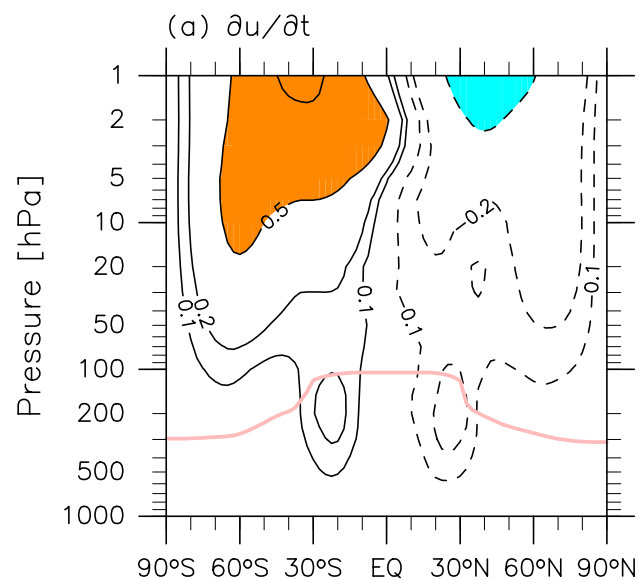
(e) Global-mean Q_s [K/d]

(f) Ozone [ppmv]



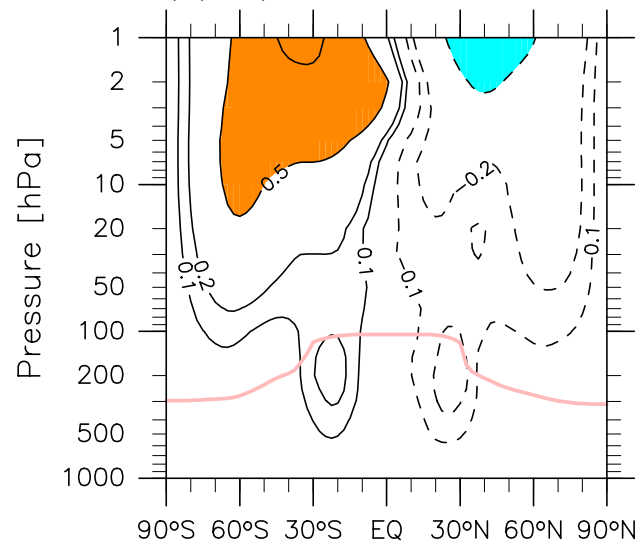
MAM (81–10)

CFSR



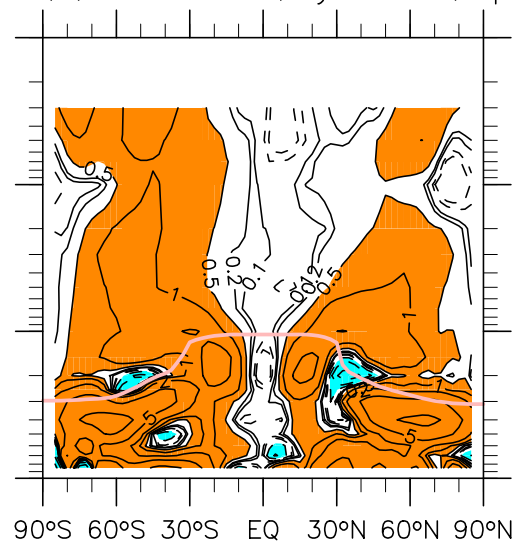
MAM (81–10)

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

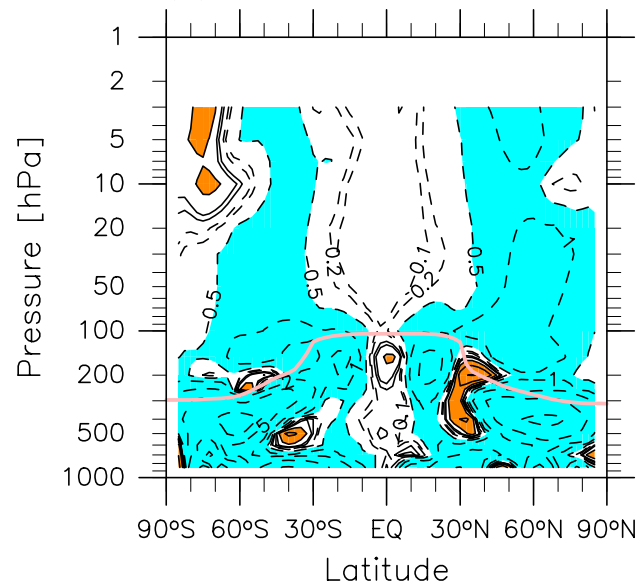


CFSR

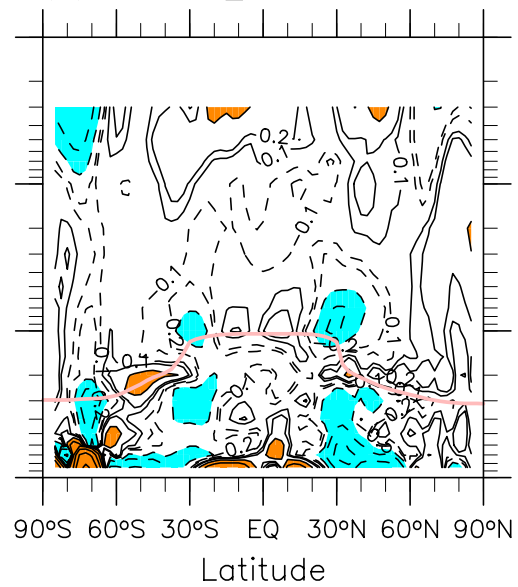
(b) $+fv^* - v^* \partial u / \partial y - \omega^* \partial u / \partial p$



(c) EPFD

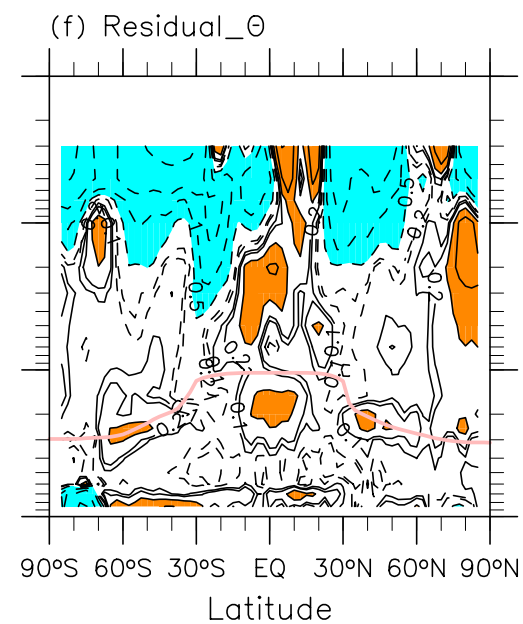
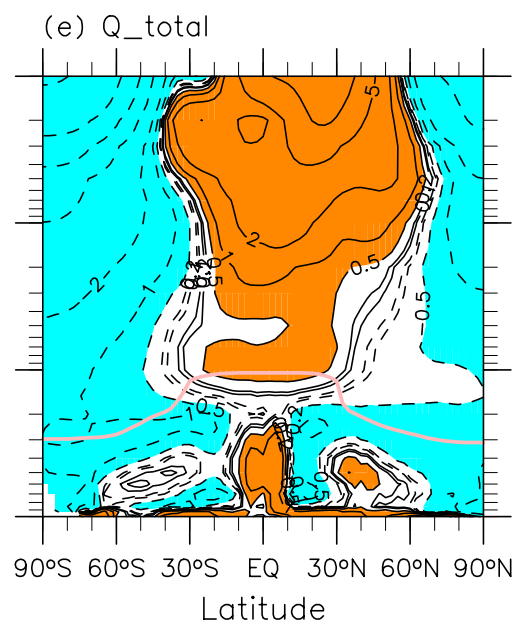
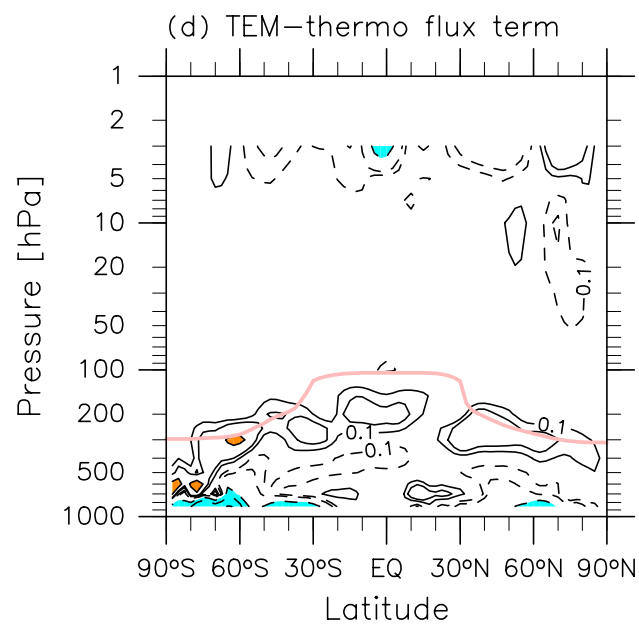
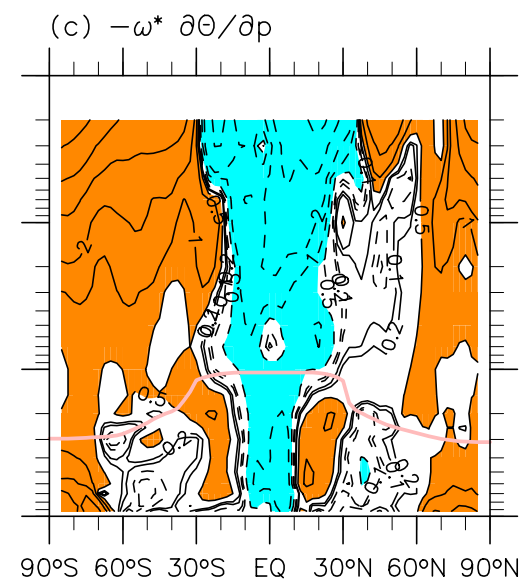
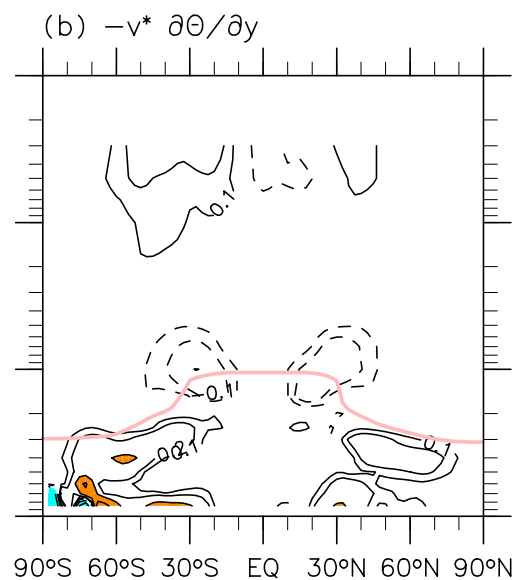
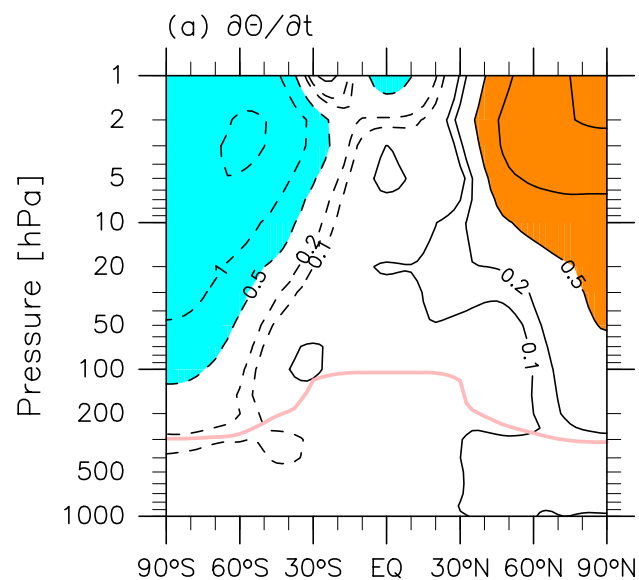


(d) Residual_u



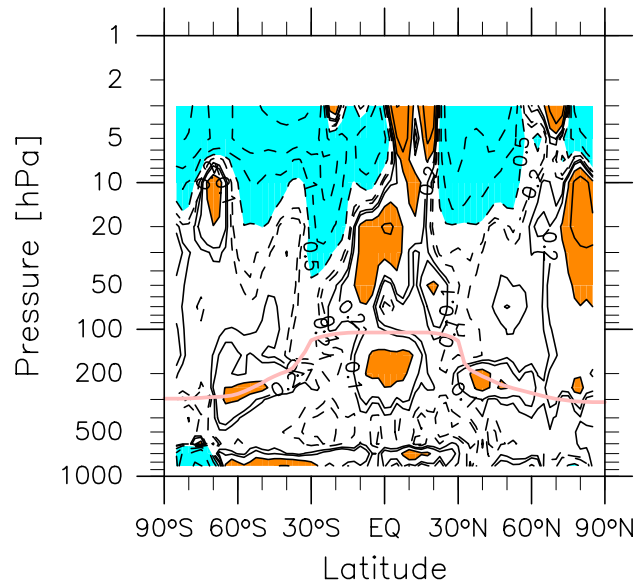
MAM (81–10)

CFSR

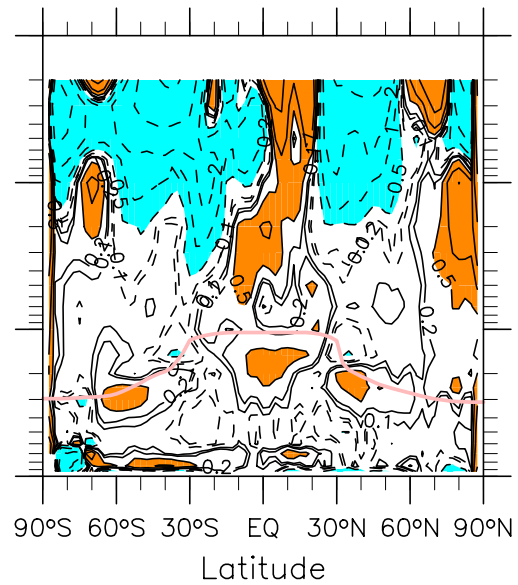


MAM (81–10)

(a) Residual_ Θ (TEM)



(b) Residual_ Θ (EM)



CFSR

(c) difference (TEM minus EM)

