SON (81–10)   REM

(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]

SON (81–10)   REM
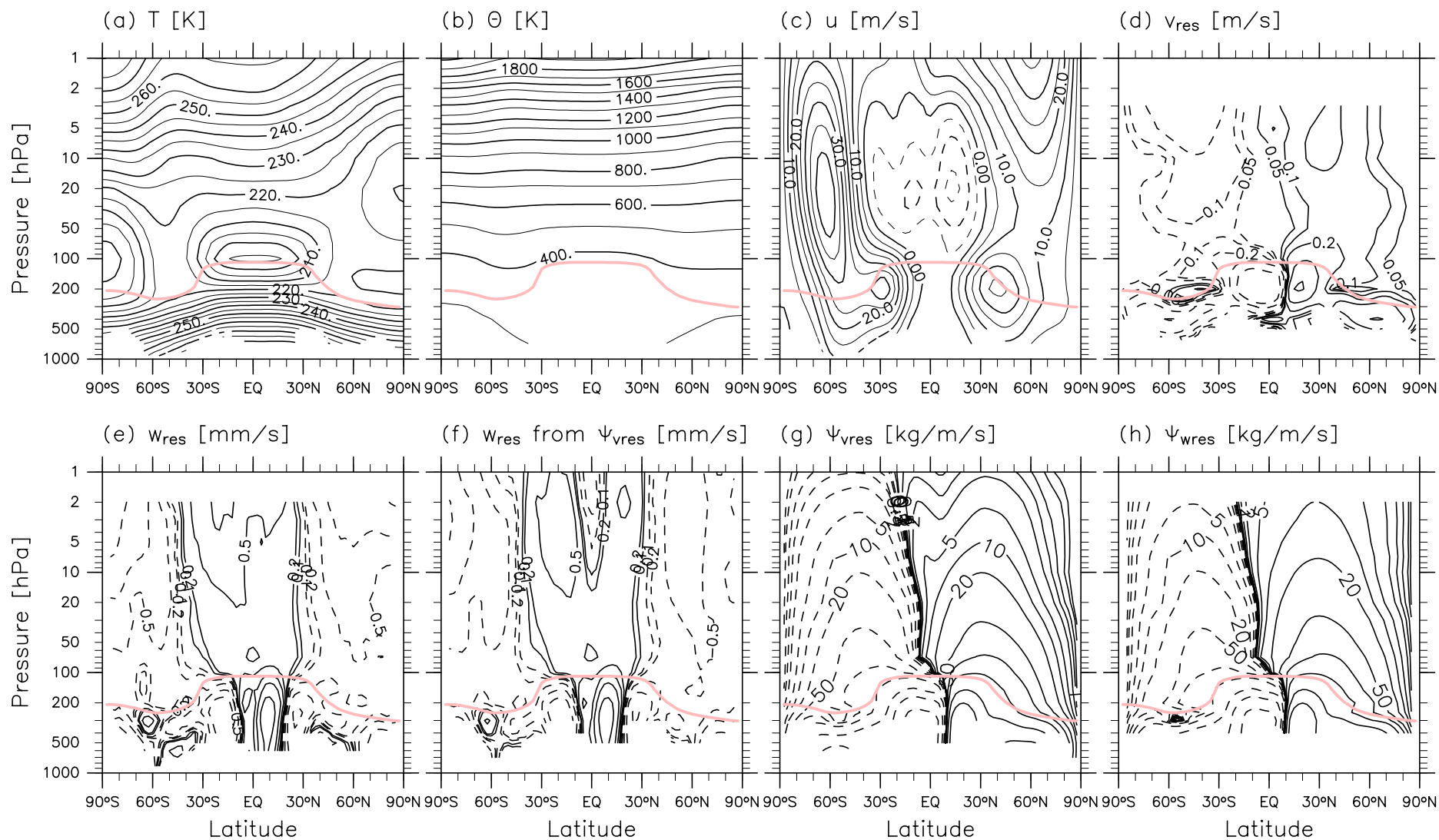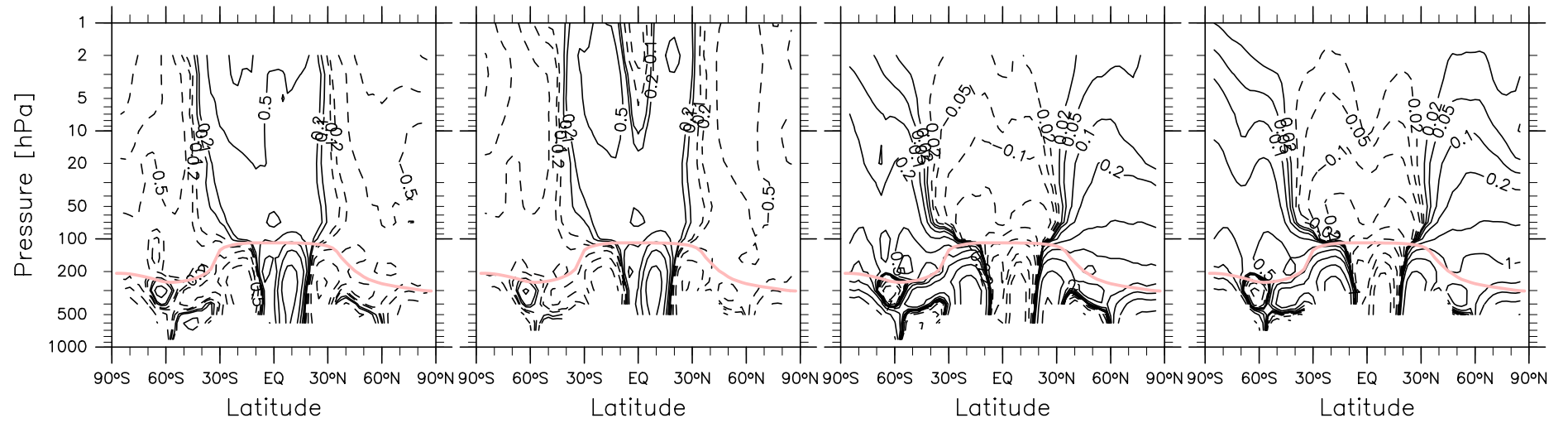
(a) w_{res} [mm/s]   (b) w_{res} from ψ_{vres} [mm/s]   (c) ω_{res} [mPa/s]   (d) ω_{res} from ψ_{vres} [mPa/s]
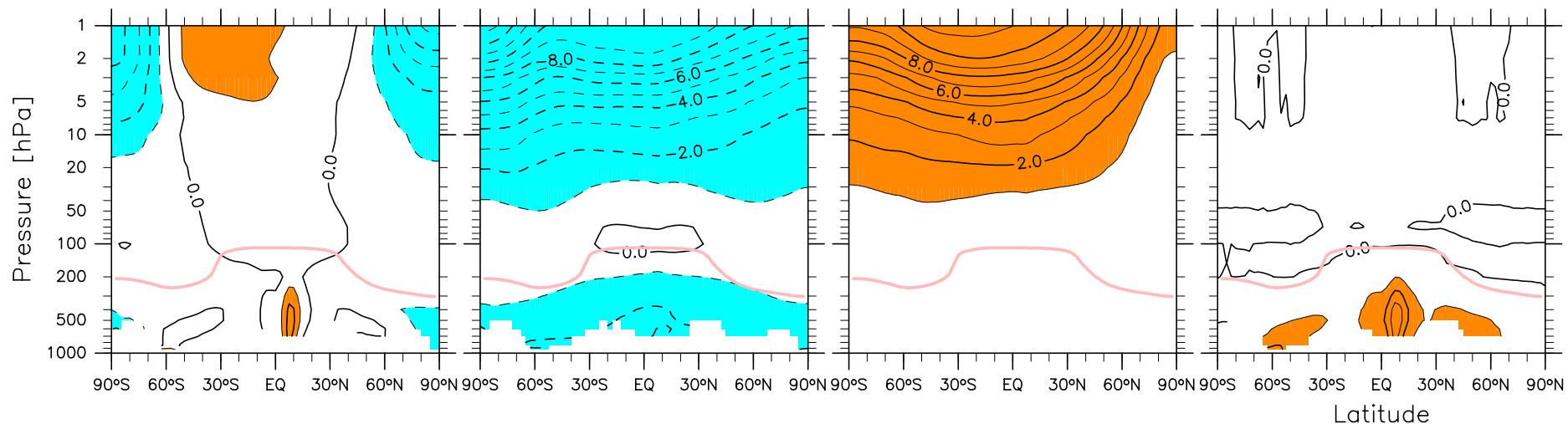
SON (81–10)   REM
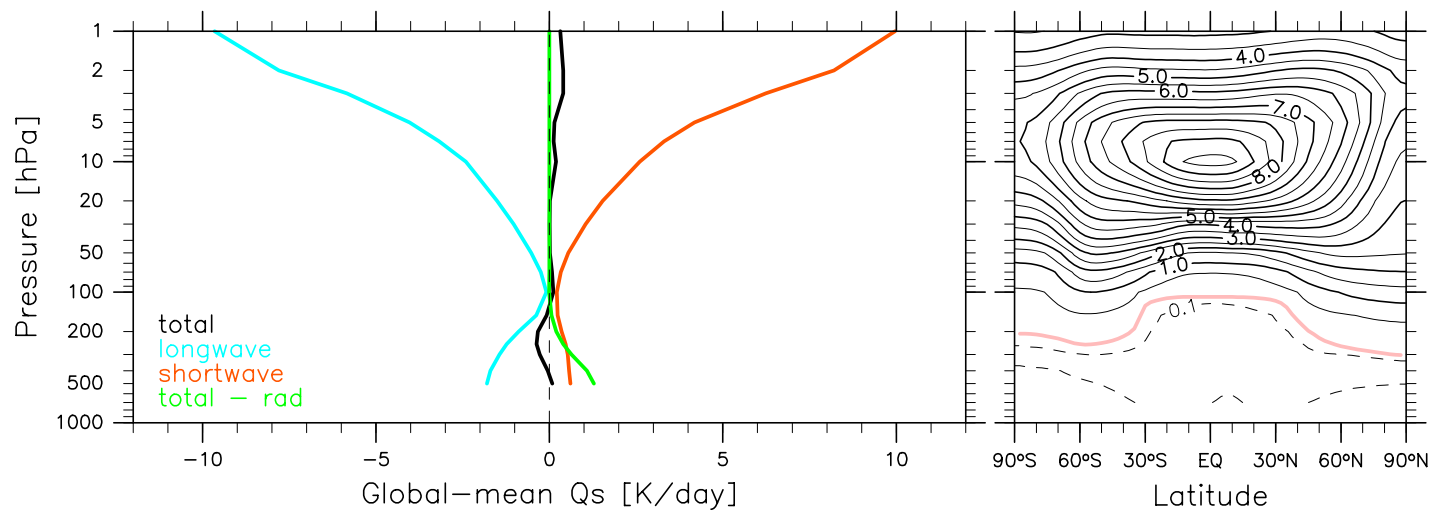
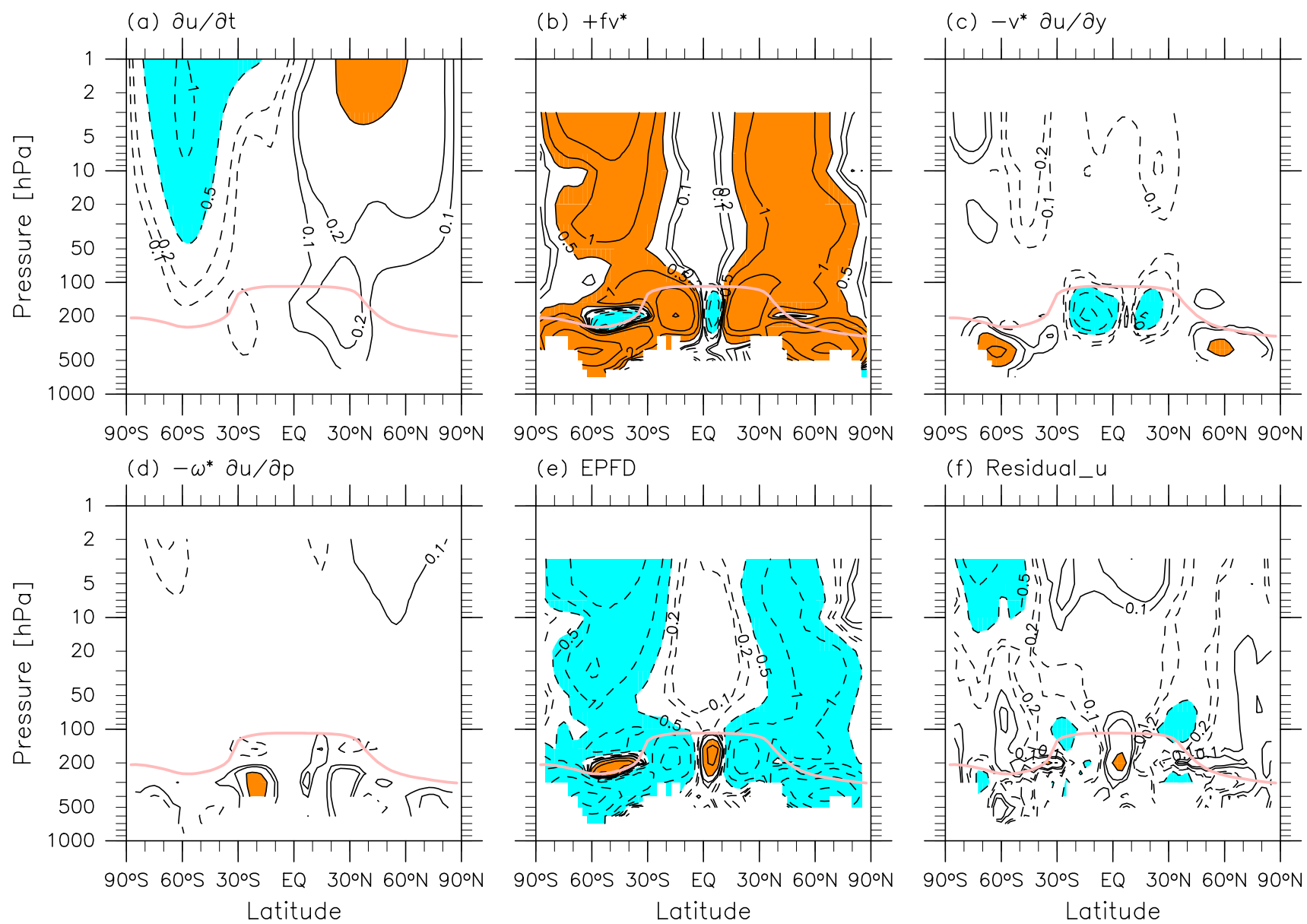(a) Q_total [K/d]   (b) Q_longwave [K/d]   (c) Q_shortwave [K/d]   (d) Q_total − Q_rad [K/d]

(e) Global−mean Qs [K/d]   (f) Ozone [ppmv]

total
longwave
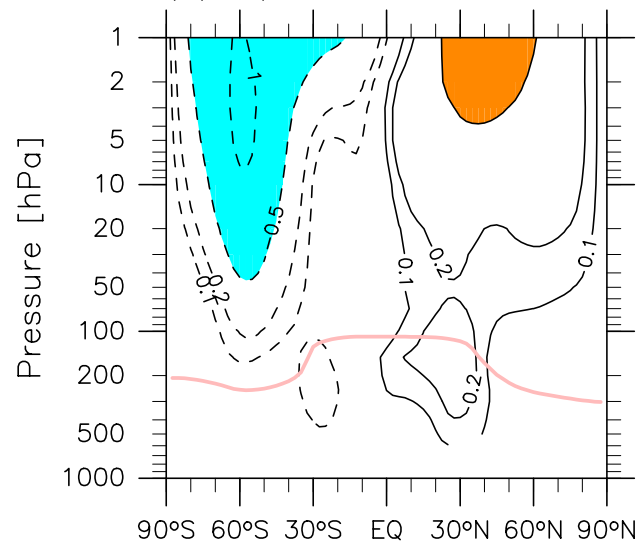shortwave
total − rad

SON (81-10)   REM

(a) ∂u/∂t

(b) +fv*

(c) −v* ∂u/∂y

(d) −ω* ∂u/∂p

(e) EPFD

(f) Residual_u

SON (81-10)   REM

(a) ∂u/∂t   (b) +fv* −v* ∂u/∂y −ω* ∂u/∂p
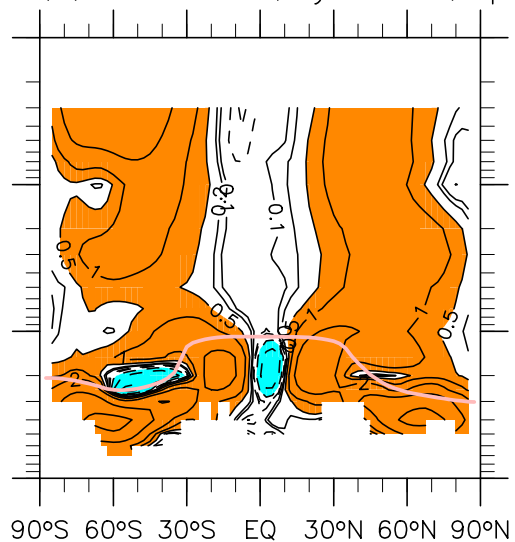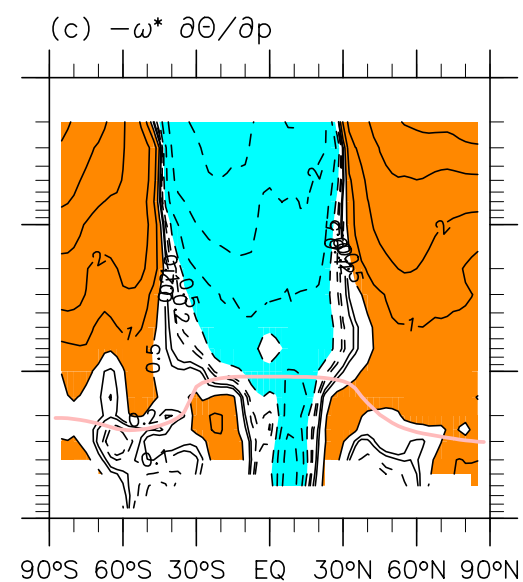
(c) EPFD   (d) Residual_u

SON (81–10)   REM

(a) ∂Θ/∂t   (b) −v* ∂Θ/∂y   (c) −ω* ∂Θ/∂p

(d) TEM−thermo flux term   (e) Q_total   (f) Residual_Θ
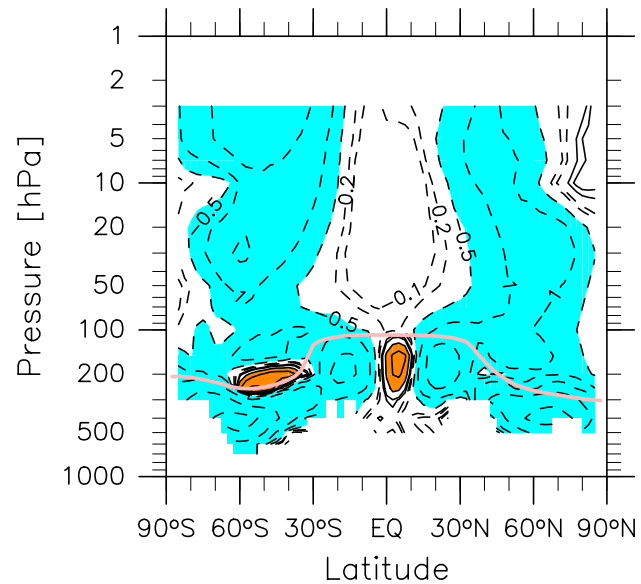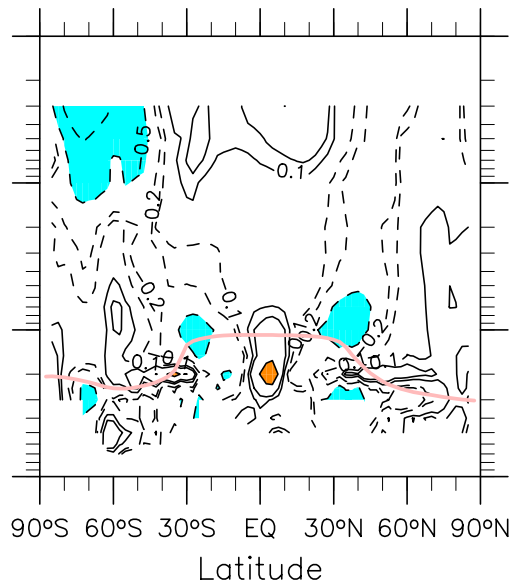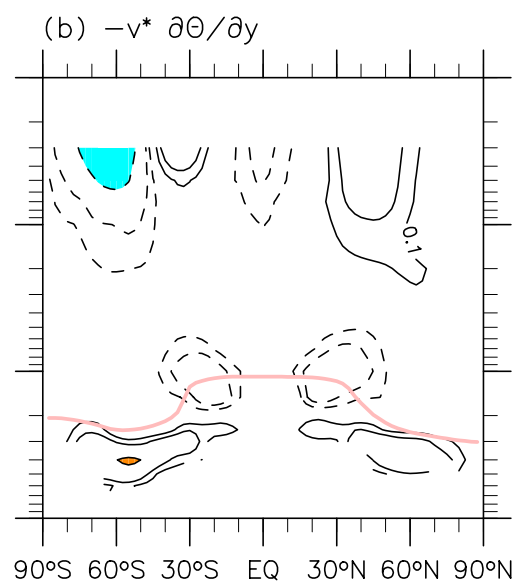
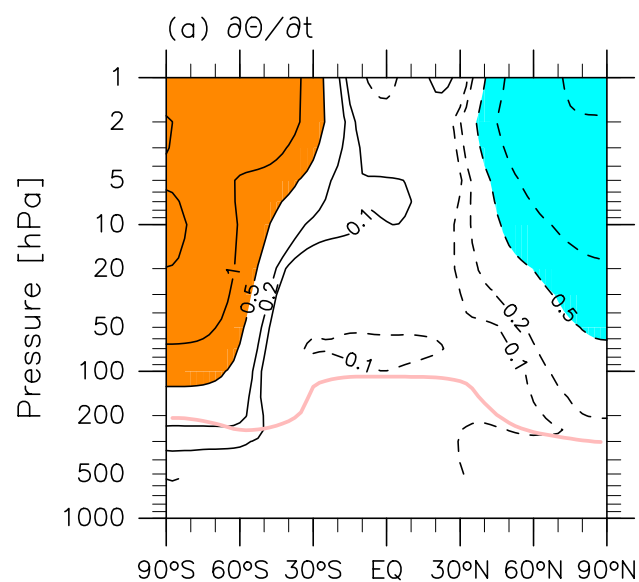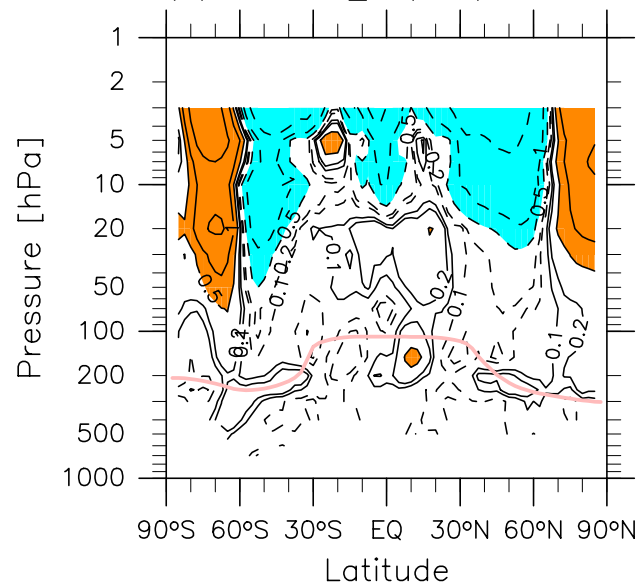SON (81-10)   REM
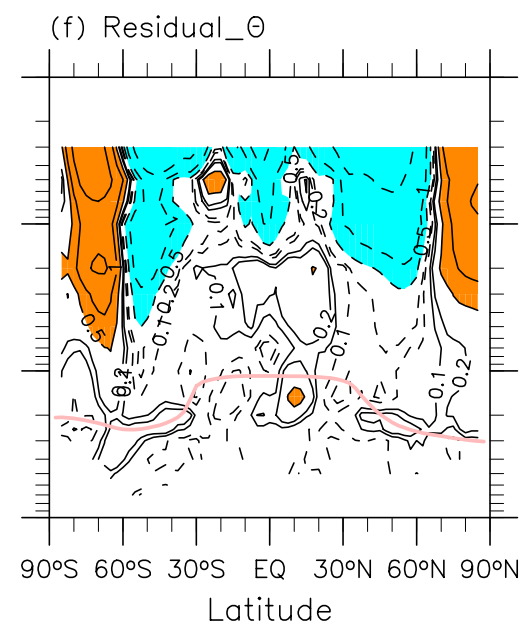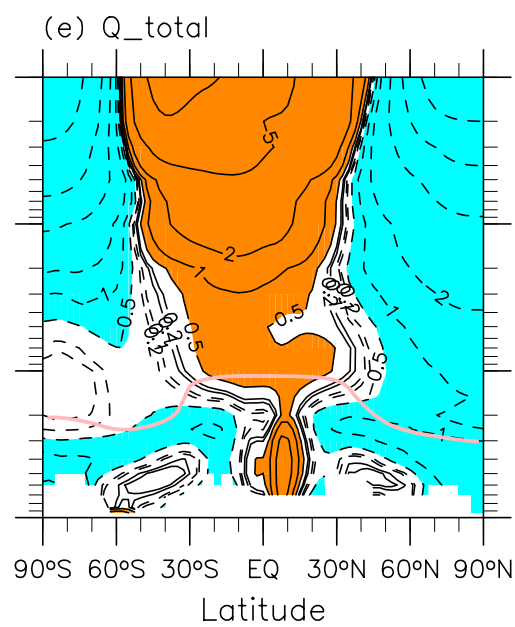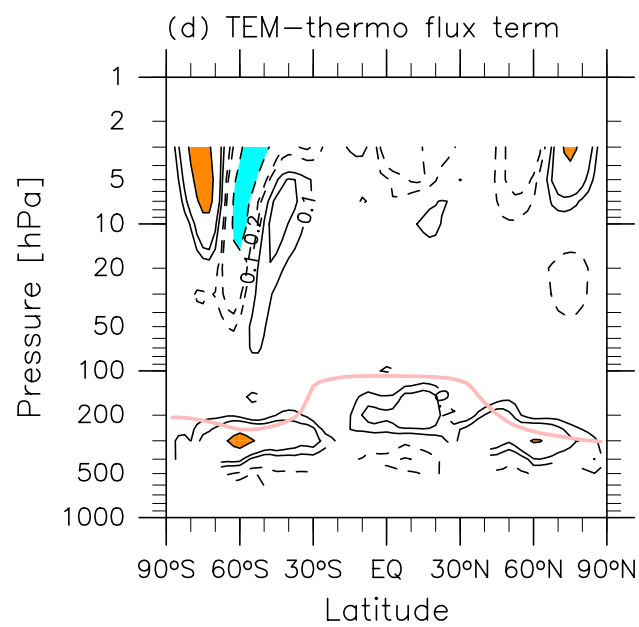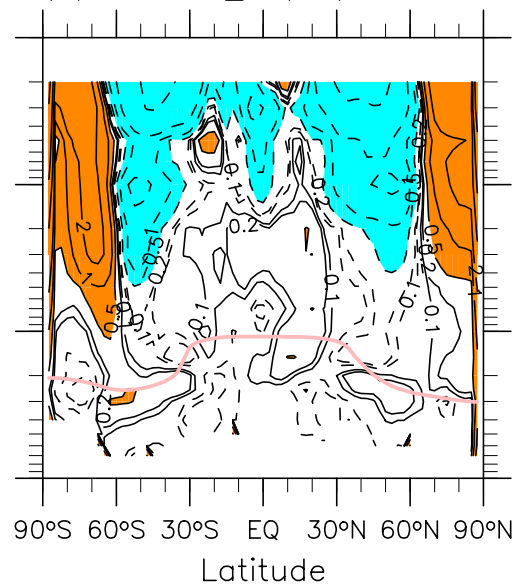
(a) Residual_Θ (TEM)   (b) Residual_Θ (EM)   (c) difference (TEM minus EM)