

Moist Air at  $T_L$   $q_L$   
and absorptivity  $\beta_A$

Absorbed/Re-emitted  
 $\sigma T_L^4 (1 - e^{-\beta_A z})$

Transmitted  
 $\sigma T_0^4 e^{-\beta_A z}$

$\sigma T_0^4$

Moist Air at  $T_L$   $q_L$   
and absorptivity  $\beta_A$

Black-body at  $T_0$

