

p. 368–369: Three 2nd ed. figures snuck back into the 3rd ed.: Figures 11-31 to 11-33 should be replaced by the below:

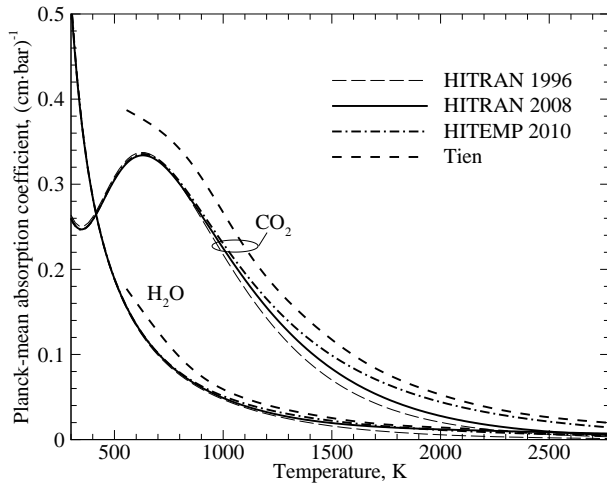


FIGURE 11-31
 Planck-mean absorption coefficients for carbon dioxide, and water vapor.

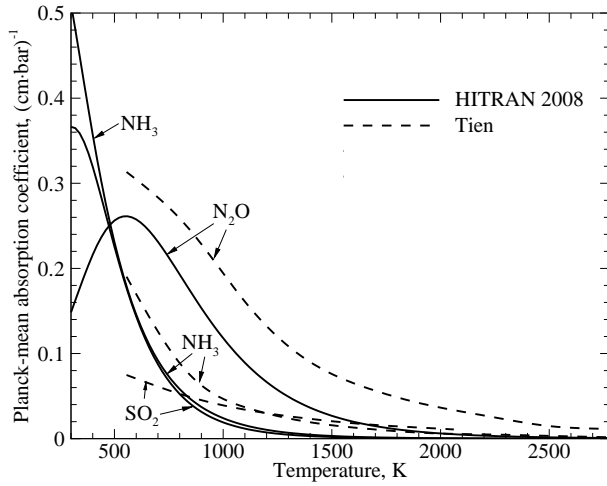


FIGURE 11-32
 Planck-mean absorption coefficients for ammonia, nitrous oxide, and sulfur dioxide.

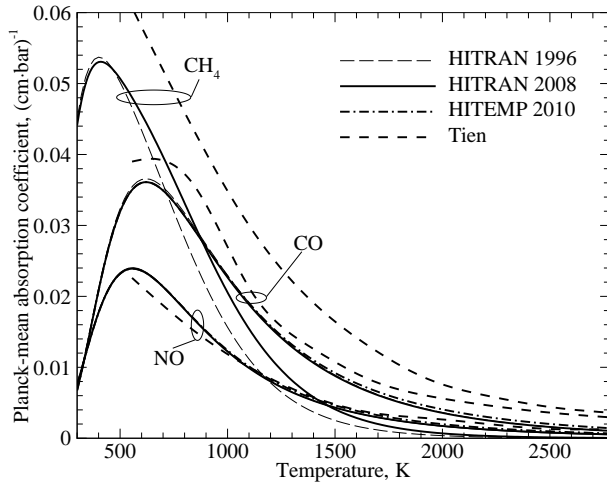


FIGURE 11-33
 Planck-mean absorption coefficients for carbon monoxide, nitric oxide, and methane.

p. 496: There is a missing absolute-value sign in equation (16.2):

$$Y_n^m(\theta, \psi) = \begin{cases} \cos(m\psi)P_n^m(\cos \theta), & \text{for } m \geq 0, \\ \sin(|m|\psi)P_n^m(\cos \theta), & \text{for } m < 0, \end{cases}$$

p. 502: There is a wrong sign in equation (16.25) in front of I_1^{-1} :

$$I(\mathbf{r}, \theta, \psi) = I_0^0 + I_1^0 \cos \theta - I_1^{-1} \sin \theta \sin \psi - I_1^1 \sin \theta \cos \psi.$$

p. 510: There was an error in the original paper by Modest [18]: the reported value for f_n in Table 16.1 and equations (16.54a,b) should be $f_n \equiv 1$, i.e., can be omitted entirely.