Tema 7

1.The spectral diffuse and the global irradiance, under standard sea-level conditions, on a horizontal surface calculated at $\lambda = 1.45\ \mu m$ on 15 June, at a location where the skies are cloudless and the sun is at 60° from its zenith position, for $\beta = 0.1$, $\alpha = 1.3$, $l_{O3} = 0.3\ cm$, w = 2 cm, and ground albedo $\rho_{g\lambda} = 0.2$, assuming $\omega_0 = 0.95$.

R: $G_{d\lambda} = 10.275\ W\ m^{-2}\mu m^{-1}$ $G_{\lambda} = 94.932\ W\ m^{-2}\mu m^{-1}$

2. If you replot any of the figures 12-18, you will get an extra point on the exam. I will not take similar figures into consideration.