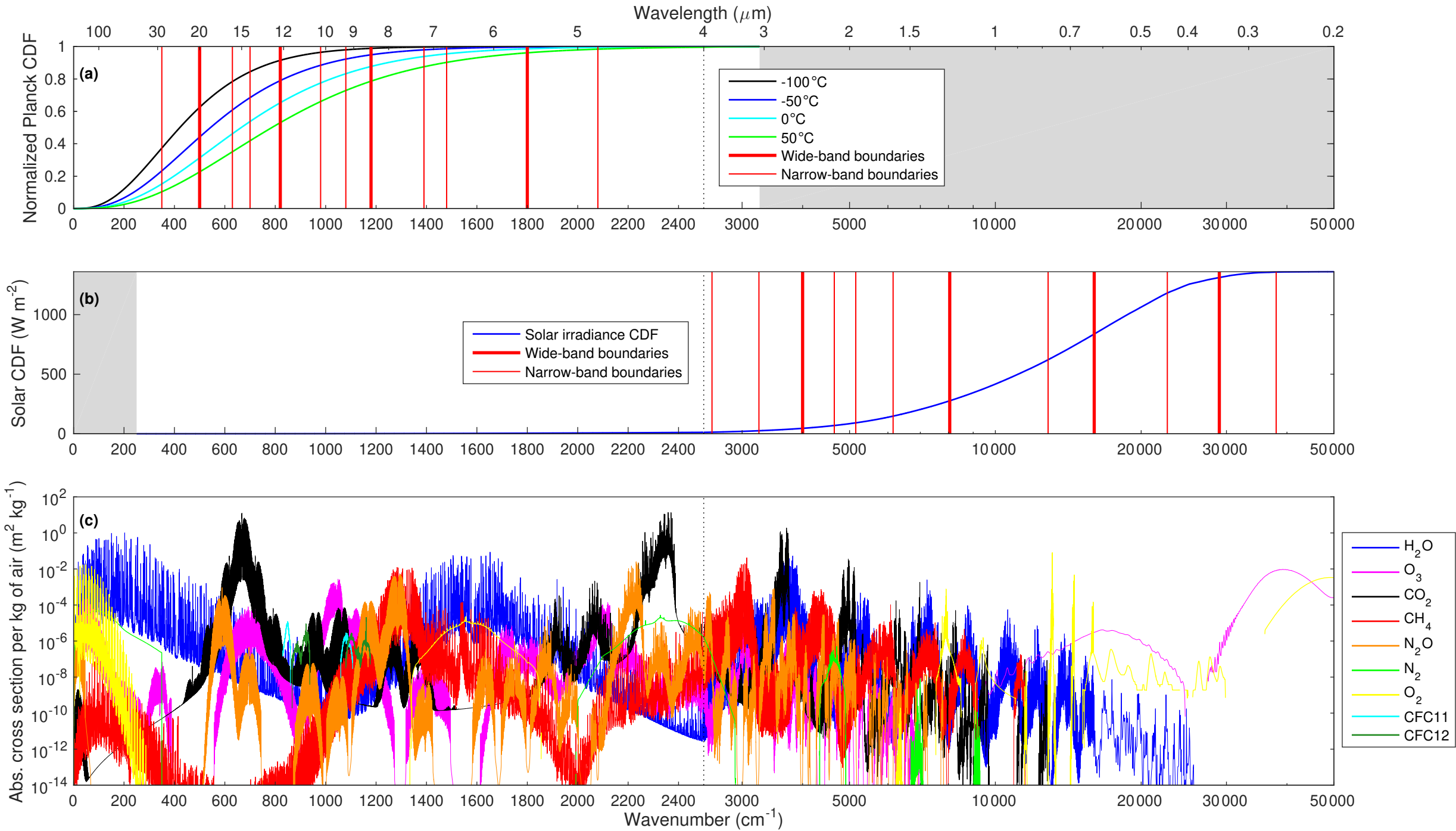
Wavelength (μm)
100 30 20 15 12 10 9 8 7 6 5 4 3 2 1.5 1 0.7 0.5 0.4 0.3 0.2
(a)
Normalized Planck CDF
-100 °C
-50 °C
0 °C
50 °C
Wide-band boundaries
Narrow-band boundaries
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 3000 5000 10 000 20 000 30 000 50 000
(b)
Solar CDF (W m-2)
Solar irradiance CDF
Wide-band boundaries
Narrow-band boundaries
(c)
Abs. cross section per kg of air (m2 kg-1)
H2O
O3
CO2
CH4
N2O
N2
O2
CFC11
CFC12
Wavenumber (cm-1)