26 September 2019

Number size distributions of cloud droplets

Particle diameters (μm)

LWC size distributions of cloud droplets (mg/m³)

(a) \( n = 1.331; k = 2.23 \times 10^{-9} \) (pure water), \( d_p = 13.059 \, \mu m \)

(b) \( n = 1.400; k = 2.23 \times 10^{-9} \), \( d_p = 14.438 \, \mu m \)

(c) \( n = 1.331; k = 0.001 \), \( d_p = 15.420 \, \mu m \)

(d) \( n = 1.331; k = 2.23 \times 10^{-9} \) (pure water), Total LWC = 0.061 g/m³

(e) \( n = 1.400; k = 2.23 \times 10^{-9} \), Total LWC = 0.081 g/m³

(f) \( n = 1.331; k = 0.001 \), Total LWC = 0.088 g/m³