

••• Sea salt aerosols / unactivated droplets

••• Cloud droplets

❄ Ice particles

(a)

$RH_w \approx 100\%$

mixed-phase cloud

mixed-phase haze

$RH_w < 100\%$

$$\begin{aligned} N_{\text{mph}} &< N_{\text{mpc}} \\ \text{CWC}_{\text{mph}} &< \text{CWC}_{\text{mpc}} \\ \text{Ext. Coef.}_{\text{mph}} &< \text{Ext. Coef.}_{\text{mpc}} \end{aligned}$$

$$N_{\text{CCN, ocean}} < N_{\text{CCN, sea ice}}$$

(b)

