

**Adiabatic
ascent**

$T(j)$ $p(j)$ $MR(j)$

$MR=const$

**Ice-related
processes**

Ice nucleation (INPC $\rightarrow$ ICNC)
Ice crystal growth (G)
Latent heat release (H)
Sedimentation (S)

**Adiabatic
ascent**

$T_H(j)$ $p_H(j)$ $MR_{G,H,S}(j)$

$MR=const$

$T(j+1)$ $p(j+1)$ $MR(j+1)$

**Ice-related
processes**

Ice nucleation (INPC $\rightarrow$ ICNC)
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ascent**

$T_H(j+1)$ $p_H(j+1)$ $MR_{G,H,S}(j+1)$

$MR=const$

$T(j+2)$ $p(j+2)$ $MR(j+2)$

Δt

Δt