

Variable	Equation	Average	Range	
Thickness (m)	dz	1.2×10^{-1}	5×10^{-4}	8×10^{-1}
Density (kg m^{-3})	ρ_{sn}	340	300	460
Temperature (K)	T	225	205	255
Mass (kg)	$m_{\text{sn}} = dz \cdot \rho_{\text{sn}}$	42	0.15	368
Vapor mass concentration (kg m^{-3})	C_v Eq. (8)	1.8×10^{-5}	1.2×10^{-6}	4.4×10^{-4}
Porosity	$\Phi = 1 - (\rho_{\text{sn}}/\rho_{\text{ice}})$	0.63	0.5	0.67
Vapor mass (kg)	m_{vap} Eq. (11)	1.3×10^{-6}	3×10^{-10}	2.4×10^{-4}
Minimum ratio	$\tau_{\text{min}} = 1/10^6$	1×10^{-6}	1×10^{-6}	1×10^{-6}
Maximum ratio	$\tau_{\text{max}} = \frac{C_v \cdot \Phi}{\rho_{\text{sn}}} \times 10^6$	3.3×10^{-2}	1.3×10^{-3}	1