

update boundary conditions
see Table 1

snowpack
snow depth (d)
snow to ice

dust accumulation
($l_{*,\text{dust}}$ and $l_{\text{ice,dust}}$)

BC accumulation
($l_{*,\text{BC}}$ and $l_{\text{ice,BC}}$)

snow albedo
(α_*)

ice albedo
(α_{ice})

surface albedo
(α_S)

potential melt
(M_S)

SMB
superimposed ice ($h_{\text{s,ice}}$)
ice melt (h_{ice})
refreezing (r_f)

