

Abbreviations	Physical meaning
z_0	Observed present-day elevation of the GrIS
z	Simulated elevation of the GrIS
ΔT_{GRIP}	Reconstruction of temperature anomaly from GRIP ice core
ΔT_s	Anomaly of surface temperature simulated by MAR
ΔM	Anomaly of SMB simulated by MAR
ΔR	Anomaly of runoff simulated by MAR
T_s	Surface temperature
M	Surface mass balance (SMB)
R	Surface runoff
Q	Subglacial discharge into the given fjord
B	Bottom melt simulated by SICOPOLIS
W	Thickness of basal water layer
T	Ocean temperature (function of depth)
S	Ocean salinity (function of depth)
d	Submerged part of the outlet glaciers
M_s	Submarine melt of the outlet glaciers