

| 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 |