

| Source                   | Advective precipitation | Dynamic vertical temperature gradient | Dynamic meltwater runoff routing | Sub-shelf melt | Dust deposition |
|--------------------------|-------------------------|---------------------------------------|----------------------------------|----------------|-----------------|
| Stokes et al. (2012)     | X                       | X                                     | X                                | X              | X               |
| Yin et al. (2014)        | X                       | X                                     | X                                | X              | X               |
| Roche et al. (2007)      | X                       | X                                     | ✓                                | X              | X               |
| Galle et al. (1992)      | X                       | X                                     | X                                | X              | X               |
| Ganopolski et al. (2010) | X                       | X                                     | X                                | X              | ✓               |
| Roche et al. (2014)      | X                       | ✓                                     | X                                | ✓              | X               |
| Heinemann et al. (2014)  | X                       | X                                     | X                                | X              | X               |
| Current work             | ✓                       | ✓                                     | ✓                                | ✓              | X               |