Symbol	Value	Units	Description
ρ_w	1000	$kg\,m^{-3}$	Bulk density of water
$i_{e\rightarrow b}$		$m\,s^{-1}$	Input rate of meltwater from englacial system to subglacial system
ρ_i	910	$kg\,m^{-3}$	Bulk density of ice
A		$Pa^{-3}\,s^{-1}$	Flow-law parameter
n	3	Dimensionless	Flow-law exponent
b_r	0.1	m	Typical height of bed bumps
l_r	2.0	m	Typical spacing between bed bumps
u_b	10^{-6}	$m\,s^{-1}$	Sliding velocity ($31.5\,m\,a^{-1}$)
g	9.8	$m\,s^{-2}$	Gravitational acceleration
ω	0.001	Dimensionless	Parameter controlling nonlinear transition between laminar and turbulent flow
L	3.34×10^{5}	$J\,kg^{-1}$	Latent heat of fusion of water
G	0.05	$W\,m^{-2}$	Geothermal flux
c_t	7.5×10^{-8}	$K\,Pa^{-1}$	Change of pressure melting point with temperature
c_w	4.22×10^{3}	$J\,kg^{-1}\,K^{-1}$	Heat capacity of water
ν	1.787×10^{-6}	$m^2\,s^{-1}$	Kinematic viscosity of water
e_v		Dimensionless	Englacial void ratio