

Variable	Units	Nominal value(s)	Perturbation type	Mean	Standard deviation
ψ_0	m	-0.67	additive	0	0.2
Atmospheric forcing ^a	mm h ⁻¹	58.8; 47.5; -0.0284	multiplicative	1	0.2
Sand					
K_s	m s ⁻¹	10 ⁻⁴	multiplicative	1.17	1.53
S_s	m ⁻¹	10 ⁻³		not perturbed	
ϕ	-	0.58		not perturbed	
θ_r	-	0.065	see Sect. 4.2		0.1 or 0.25 ^b
α	cm ⁻¹	0.070	see Sect. 4.2		0.1 or 0.25 ^b
n	-	1.88	see Sect. 4.2		0.1 or 0.25 ^b
Clay					
K_s	m s ⁻¹	10 ⁻⁷	multiplicative	1.17	1.53
S_s	m ⁻¹	5 × 10 ⁻³		not perturbed	
ϕ	-	0.40		not perturbed	
θ_r	-	0.067	see Sect. 4.2		0.1 or 0.25 ^b
α	cm ⁻¹	0.017	see Sect. 4.2		0.1 or 0.25 ^b
n	-	1.40	see Sect. 4.2		0.1 or 0.25 ^b