

Simulations	Background soil albedo	Surface roughness	Heat capacity	Snow albedo	Water reservoir depth
Aqua-planet	0.07	Ocean	Ocean	0.07	50 m slab ocean, no heat transport
Swamp1	0.07	Ocean	Ocean	0.07	Constant ground water table at a depth of 0.3 m
Swamp2	0.07	Land	Land	0.07	Constant ground water table at a depth of 0.3 m
HD	0.07–0.14	Land	Land	Dynamic (0.4–0.8)	Constant ground water table at a depth of 1.2 m
CW	0.15–0.24	Land	Land	Dynamic (0.4–0.8)	Constant ground water table at a depth of 1.2 m