

Variable	Symbol	SOWFA	WFSim
Domain size	–	3.5 km \times 3.0 km \times 1.0 km	1.9 km \times 0.80 km
Cell size near rotors	–	3 m \times 3 m \times 3 m	25 m \times 38 m
Cell size outer regions	–	12 m \times 12 m \times 12 m	25 m \times 38 m
Rotor model	–	ALM	ADM ($c_f = 2.0$, $c_p = 0.97$)
Inflow wind speed	U_∞	12.03 m s ⁻¹	9.0 and 12.0 m s ⁻¹ (OL) 9.0 m s ⁻¹ (EnKF)
Atmospheric turbulence	–	Turbulent inflow, $TI_\infty = 4.7\%$	$d' = 3.8 \times 10^1$ m, $d = 5.2 \times 10^2$ m, $\ell_s = 3.9 \times 10^{-2}$