

Supplementary Material

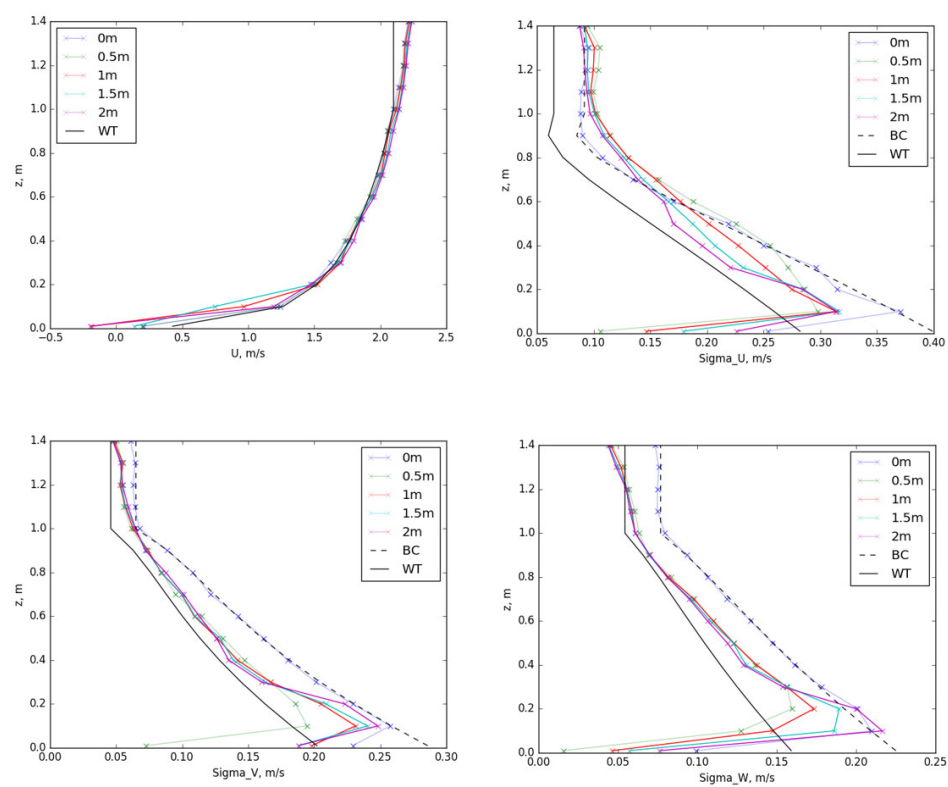


Figure S1. Inlet velocity and turbulence.

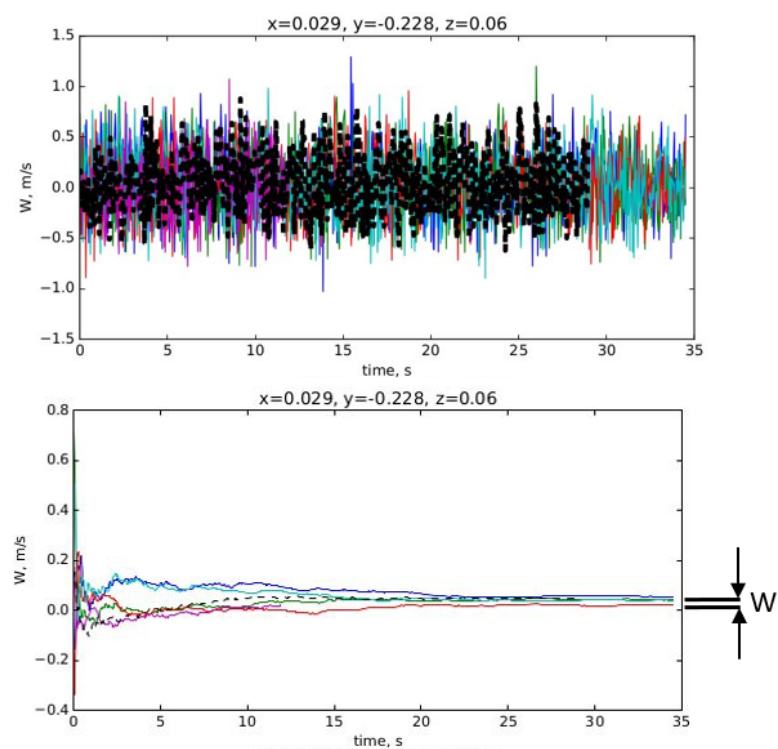
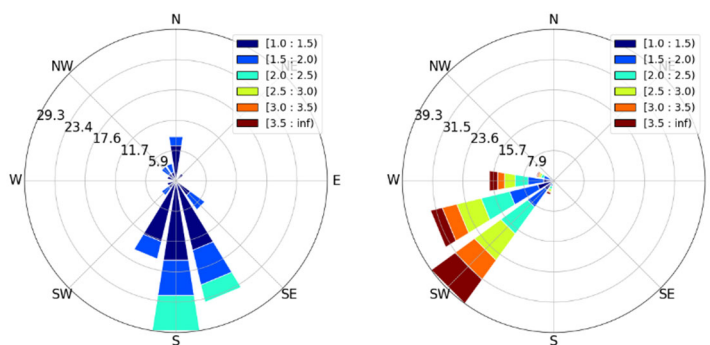
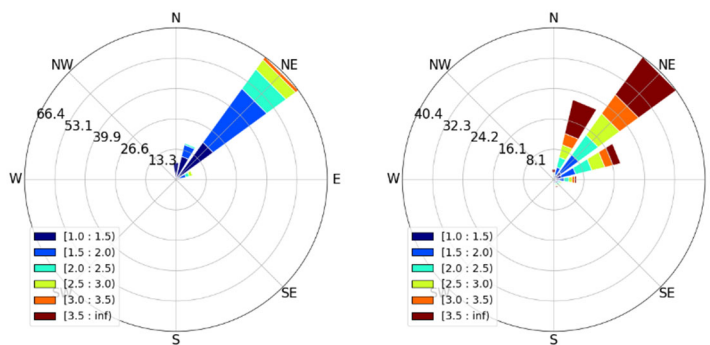


Figure S2. Illustration of derivation of the allowed absolute deviation, W . The first figure shows the time series of the LES (dashed black line) and the WT. The lower figure shows the convergence of the mean for the LES and the WT data divided into periods similar to that of the LES simulation.

(a) Measured Day 1 (b) LES Day 1



(c) Measured Day 2 (d) LES Day 2

**Figure S3.** Wind roses showing the roadside wind speed and direction.

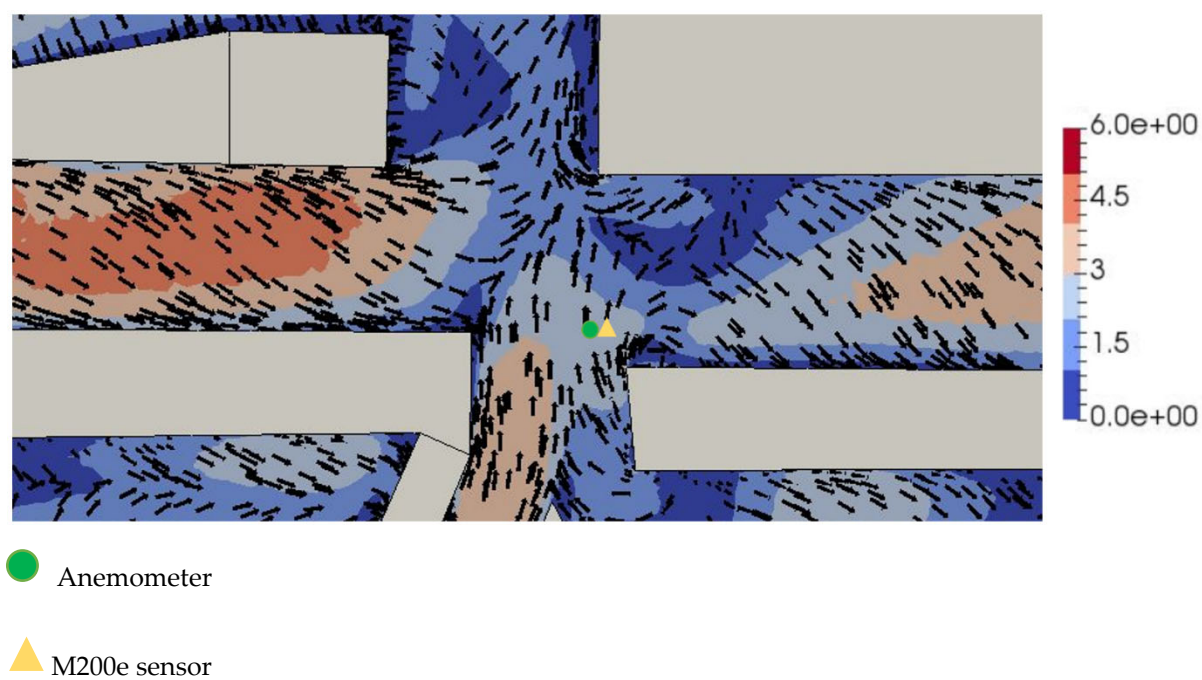


Figure S4. Average velocity vortices at street level ($Z=1\text{m}$) as modelled by the LES for Day 1.