Plan View

186 m

0 m

320 m

FBP X

FBP Y

FBP Z

FCS X

FCS Y

FCS Z

Fire line

Road

320 m

160 m

300 m

250 m

150 m

100 m

50 m

Time averaged velocity

Canopy height=18 m

Dimensionless velocity at U2

Time series velocity at 17 m height

At x=50 m, 100 m, 150 m, 300 m, and anemometer

|  |  |  |
| --- | --- | --- |
|  | Experiment | Simulation (60 s t0 253 s) |
| Average wind velocity (m/s) | 1.40.6 | 1.42 |

Near field and far field wind velocity

At x=182 m, 217 m, 252 m

Mesh preparation

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|  |

Wind profile (smv)

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| After 30 seconds |
| After 260 seconds |