AS3959

Obtaining a developed wind flow

* The distance between the inlet and the starting of forest = 120 m
* Set up velocity device at every 10 m interval.
* Inlet wind velocity: SEM method

Two grid sizes were considered at the open wind land area

1. 0.75 m 🞨 0.75 m 🞨0.75 m – 40 seconds completed in simulation within 108 hrs
2. 0.75 m 🞨 0.75 m 🞨1.5 m – 118 seconds completed in simulation within 105 hrs

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| |  | | --- | | 1. 0.75 m 🞨 0.75 m 🞨0.75 m after 40 s of running (around 2DTT) | | 1. 1.5 m 🞨 1.5 m 🞨1.5 m after 40 s of running (around 2DTT) | | 1. 0.75 m 🞨 0.75 m 🞨1.5 m after 129 s of running (7DTT) | |

around X=-30m and 10 m height U=19.44 m/s

0.75 m 🞨 0.75 m 🞨1.5 m after 106 s of running (7DTT)

around X=-25m and 10 m height U=19.44 m/s