1 kwSST
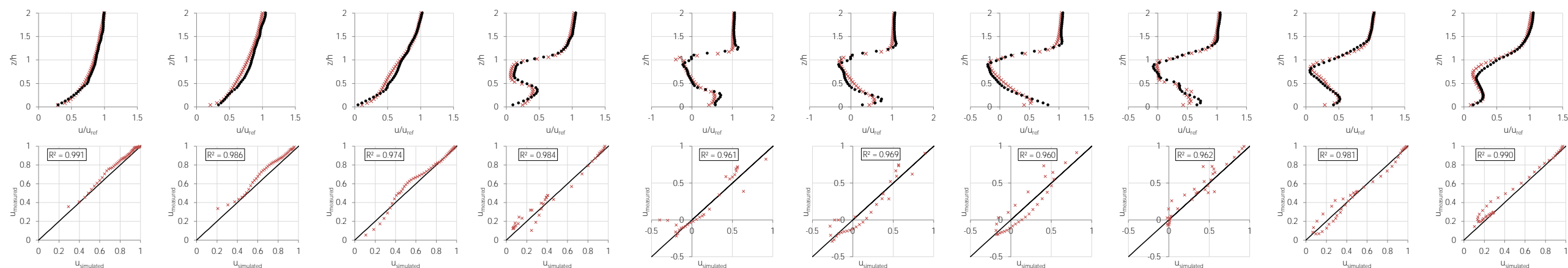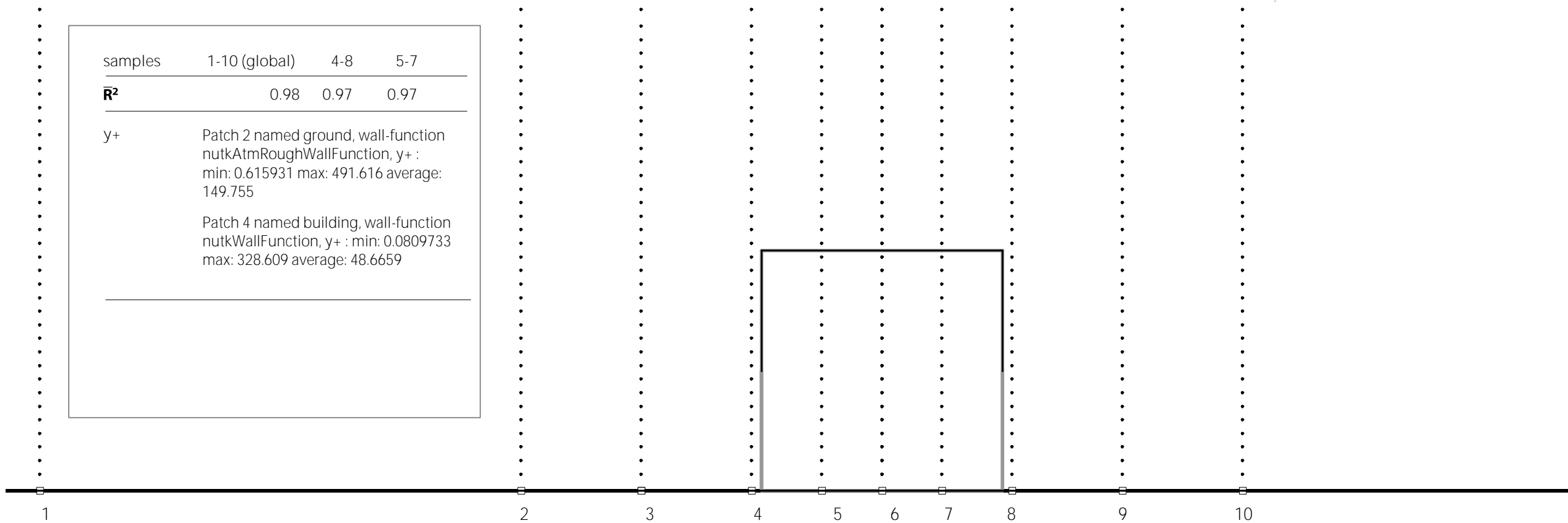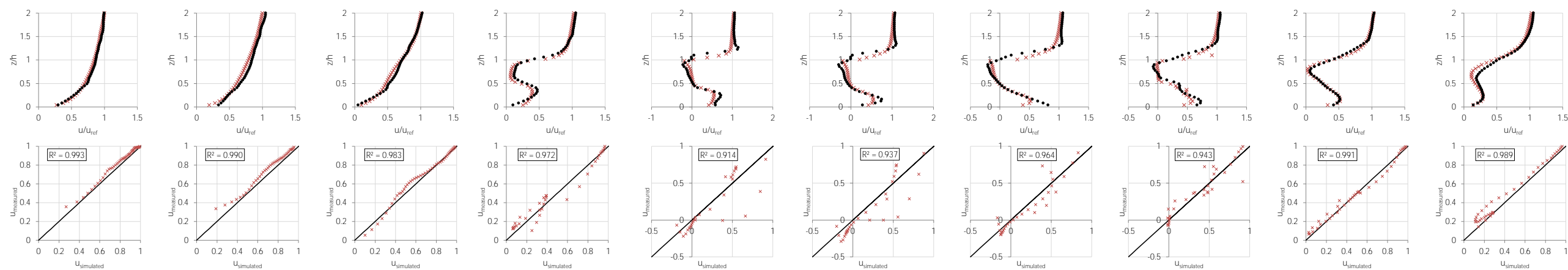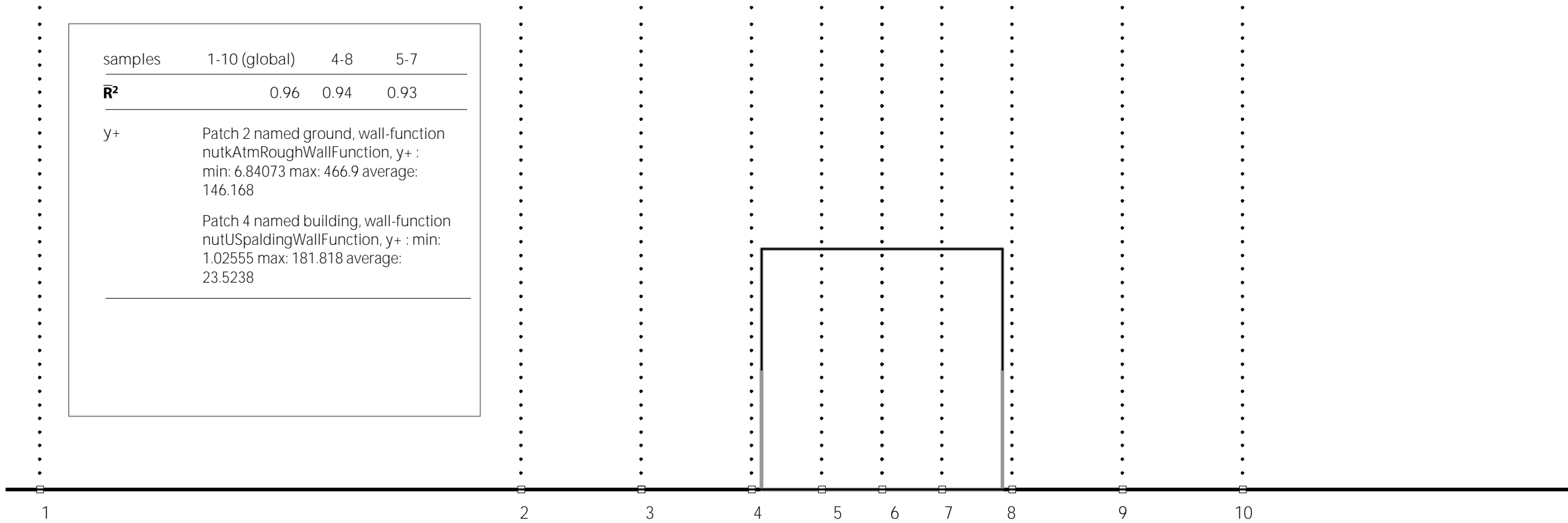
samples 1-10 (global) 4-8 5-7

$\bar{R}^2$ 0.98   0.97   0.97

y+   Patch 2 named ground, wall-function nutkAtmRoughWallFunction, y+ : min: 0.615931 max: 491.616 average: 149.755

Patch 4 named building, wall-function nutkWallFunction, y+ : min: 0.0809733 max: 328.609 average: 48.6659
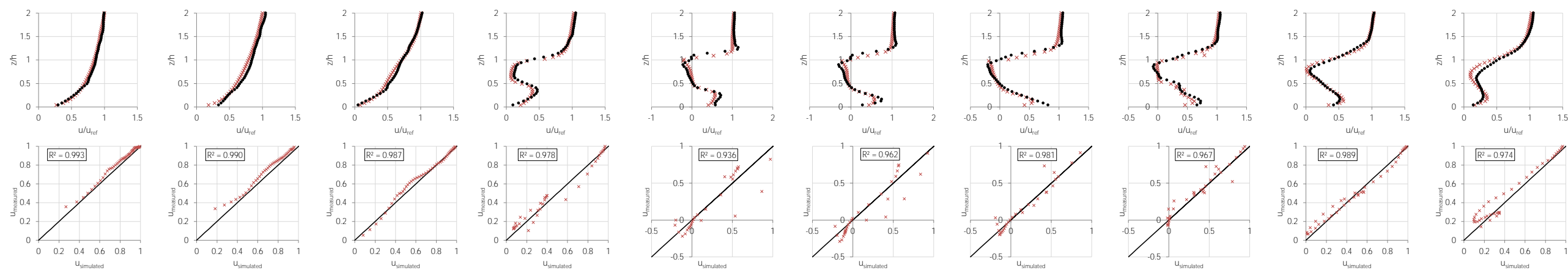
R² = 0.991   R² = 0.986   R² = 0.974   R² = 0.984   R² = 0.961   R² = 0.969   R² = 0.960   R² = 0.962   R² = 0.981   R² = 0.990

u/u_{ref}

z/h

$u_{measured}$

$u_{simulated}$

1   2   3   4   5   6   7   8   9   10

2 RNGkEpsilon

samples	1-10 (global)	4-8	5-7
$\bar{R}^2$	0.96	0.94	0.93

y+   Patch 2 named ground, wall-function nutkAtmRoughWallFunction, y+ : min: 6.84073 max: 466.9 average: 146.168

Patch 4 named building, wall-function nutUSpaldingWallFunction, y+ : min: 1.02555 max: 181.818 average: 23.5238

3 kEpsilon

samples	1-10 (global)	4-8	5-7
$\bar{R}^2$	0.97	0.96	0.95

y+   Patch 2 named ground, wall-function nutkAtmRoughWallFunction, y+ : min: 11.1769 max: 470.617 average: 140.818

Patch 4 named building, wall-function nutUSpaldingWallFunction, y+ : min: 1.27112 max: 179.997 average: 24.3406

$R^2 = 0.993$ $R^2 = 0.990$ $R^2 = 0.987$ $R^2 = 0.978$ $R^2 = 0.936$ $R^2 = 0.962$ $R^2 = 0.981$ $R^2 = 0.967$ $R^2 = 0.989$ $R^2 = 0.974$