



Validation and data availability

2 good units, 3 with some signal issues
Availability between 61% and 92%

PM_{2.5} comparison with automatic reference

mean bias: $-3.8 \mu\text{g}/\text{m}^3$ $R^2 : 0.82$

PM₁₀ and PM_{coarse} performance

Appears to calculate PM_{coarse} from PM_{2.5}
hence no PM₁₀ sensor

PM_{2.5} between-sensor uncertainty

$1.5 \mu\text{g}/\text{m}^3$ or **16%**

Effect of relative humidity (PM_{2.5})

sensor/ref x **1.6** (from 50% to 90% RH)

EU expanded uncertainty vs gravimetric ref. (PM_{2.5})

42% without calibration

15% after local calibration

