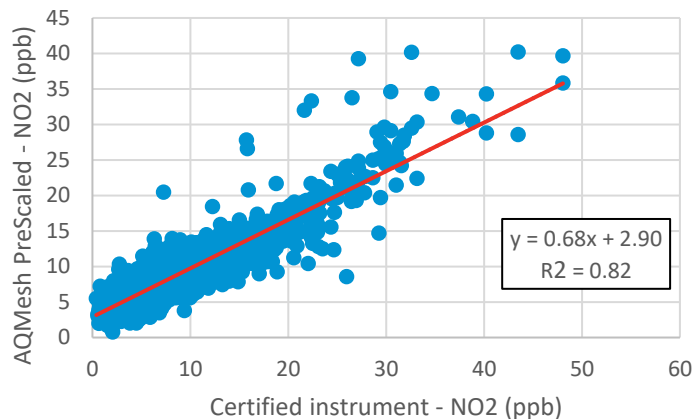


## Co-location details

Sensor information	
Sensor	NO2
Sensor type	Electrochemical
AQMesh processing algorithm	v5.1
Sampling time interval	1hr
Number of paired sensor / certified instrument values	1816

## Scatter plot: AQMesh comparison to certified instrument



## Testing site information

Location	Cheltenham, UK
Duration (Hrs.)	1825
Date range	24 Feb 2020 – 10 May 2020
Certified instrument uptime	99.5%
Range of certified instrument concentrations over duration of test (ppb)	47.65

## Performance metrics

	Linearity	Bias		Accuracy	Data completeness
	R2	Slope	Intercept	RMSE	Sensor uptime
Co-location result	0.82	0.68	2.90	2.92	100%
AQMesh target	>0.75	0.6-1.4	< +/- 10ppb	<10	>90%
US EPA target*	TBC	TBC	TBC	TBC	TBC

\* <https://www.epa.gov/air-sensor-toolbox/air-sensor-performance-targets-and-testing-protocols>

## Time series plot: 1-hour average NO2

