

Figure and tables for first reaction RC1_Q3

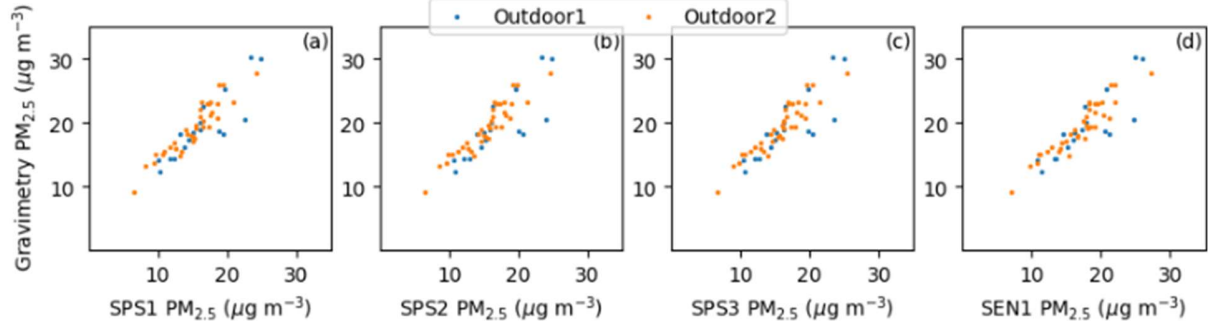


Figure 1: Adaptation of manuscript Figure D2: measurements for locations Outdoor 1 and 2 indicated separately.

Table 1: Number of data points (N), Pearson correlation (r) and weighted linear regression (WLS) results for sensor to gravimetry at locations Outdoor 1 and 2 separately. WLS results include slope (S) with 95 % confidence interval (CI) and R², and root mean square error (RMSE, before→after correction for S).

ID	N	r	WLS ^a S [CI] (R ²)	RMSE (µg m ⁻³)
Outdoor 1				
SPS1	17	0.88	1.16 [1.08–1.24] (0.98)	3.9→2.5
SPS2	17	0.83	1.12 [1.04–1.21] (0.98)	3.8→3.0
SPS3	17	0.84	1.13 [1.04–1.21] (0.98)	3.8→2.8
SEN1	17	0.85	1.07 [0.99–1.14] (0.98)	3.1→2.7
Outdoor 2				
SPS1	36	0.93	1.26 [1.22–1.30] (0.99)	4.3→1.7
SPS2	36	0.93	1.25 [1.21–1.29] (0.99)	4.1→1.7
SPS3	36	0.93	1.22 [1.18–1.26] (0.99)	3.8→1.7
SEN1	36	0.93	1.13 [1.10–1.17] (0.99)	2.7→1.6

Table 2: Accuracy error (AE) and expanded uncertainty (W_{CM}) for locations Outdoor 1 and 2 separate, after correcting for slopes (Corr.) found for both locations combined (as presented in manuscript Table 5).

ID	Corr.	AE	W _{CM}	Corr.	AE	W _{CM}
Outdoor 1						
SPS1	1.23	14	19	1.21	13	18
SPS2	1.21	16	22	1.21	16	22
SPS3	1.20	15	21	1.21	16	22
SEN1	1.12	14	19	1.21	19	27
Outdoor 2						
SPS1	1.23	9.4	9.2	1.21	9.8	8.2
SPS2	1.21	9.6	9.0	1.21	9.5	9.3
SPS3	1.20	9.5	11	1.21	9.4	12
SEN1	1.12	9.0	10	1.21	11	22