2025: daily PM-weather relationships, Vaisala

Non-event day High-PM day

PM2.5 (μg/m³)

Temperature (°C)	Relative humidity (%)	Wind speed (m/s)	Station pressure (hPa)
n = 354 / 354 (raw / adj.)	n = 354 / 354 (raw / adj.)	n = 354 / 354 (raw / adj.)	n = 354 / 354 (raw / adj.)
Raw rho = -0.29	Raw rho = 0.17	Raw rho = -0.49	Raw rho = 0.34
Within-month rho = 0.20	Within-month rho = -0.03	Within-month rho = -0.38	Within-month rho = 0.13

PM10 (μg/m³)

Temperature (°C)	Relative humidity (%)	Wind speed (m/s)	Station pressure (hPa)
n = 354 / 354 (raw / adj.)	n = 354 / 354 (raw / adj.)	n = 354 / 354 (raw / adj.)	n = 354 / 354 (raw / adj.)
Raw rho = -0.10	Raw rho = -0.06	Raw rho = -0.49	Raw rho = 0.29
Within-month rho = 0.34	Within-month rho = -0.24	Within-month rho = -0.40	Within-month rho = 0.08

Paired daily means: >=72 common quarters and >=1080 valid minutes in both series. High PM uses yearly daily q90.
Associations are not causal; only observations from 15 February 2024 onward included.