2026: daily PM-weather relationships, Vaisala

Non-event day High-PM day

n = 277 / 277 (raw / adj.)
Raw rho = -0.11
Within-month rho = 0.31

n = 277 / 277 (raw / adj.)
Raw rho = 0.22
Within-month rho = 0.10

n = 277 / 277 (raw / adj.)
Raw rho = -0.37
Within-month rho = -0.43

n = 277 / 277 (raw / adj.)
Raw rho = -0.02
Within-month rho = 0.08

$PM_{2.5}$ ($\mu g/m^3$)

Temperature (°C)

Relative humidity (%)

Wind speed (m/s)

Station pressure (hPa)

n = 277 / 277 (raw / adj.)
Raw rho = 0.08
Within-month rho = 0.38

n = 277 / 277 (raw / adj.)
Raw rho = -0.10
Within-month rho = -0.11

n = 277 / 277 (raw / adj.)
Raw rho = -0.37
Within-month rho = -0.36

n = 277 / 277 (raw / adj.)
Raw rho = 0.13
Within-month rho = 0.11

PM_{10} ($\mu g/m^3$)

Temperature (°C)

Relative humidity (%)

Wind speed (m/s)

Station pressure (hPa)

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.