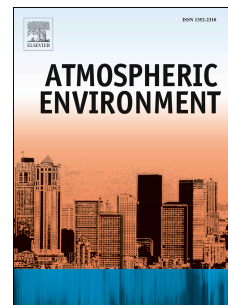


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Aerosol connections between three distant continental stations

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Highlights:

- Aerosol data taken at distant stations can be connected via air mass trajectories.
- Via air mass trajectories three-station aerosol data was extrapolated to a larger region
- Particle growth during air mass transport between distant stations was quantified
- With radar-derived precipitation data along connecting trajectories sub-cloud particle scavenging during air mass transport between distant stations was quantified

Keywords: Continental aerosol, particle number size distribution, long-term measurements, particle growth, sub-cloud aerosol particle scavenging.

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