



Supplement of

Intermediate ions as indicator for local new particle formation

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Dec-Feb

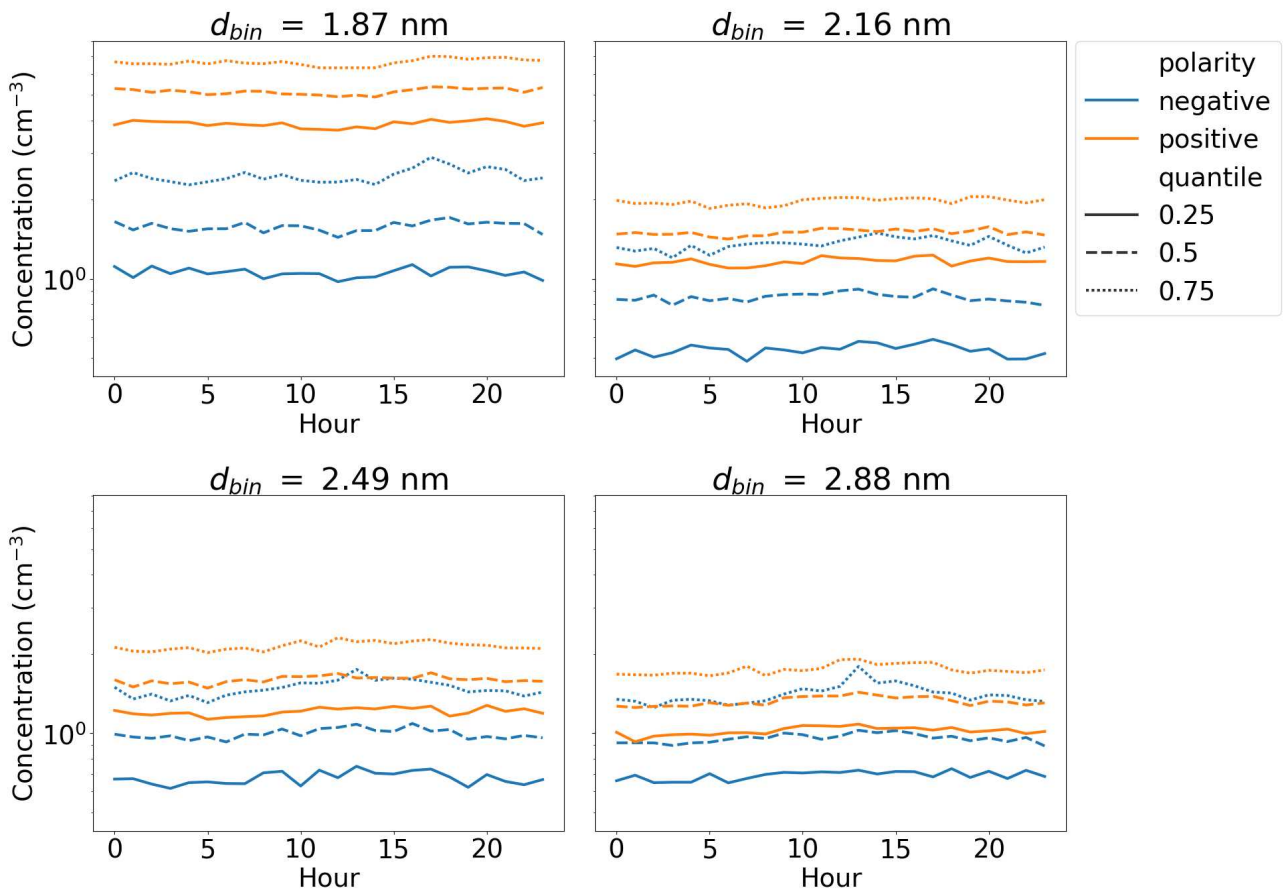


Fig. S1: Hourly ion concentrations from December-February in size bins with geometric mean mobility diameter d_{bin} based on median, 25%, and 75% quantiles. The ion concentrations were measured by a Neutral cluster and Air Ion Spectrometer (NAIS) at the SMEAR II measurement station in Hyytiälä, Finland from 2016 to 2020.

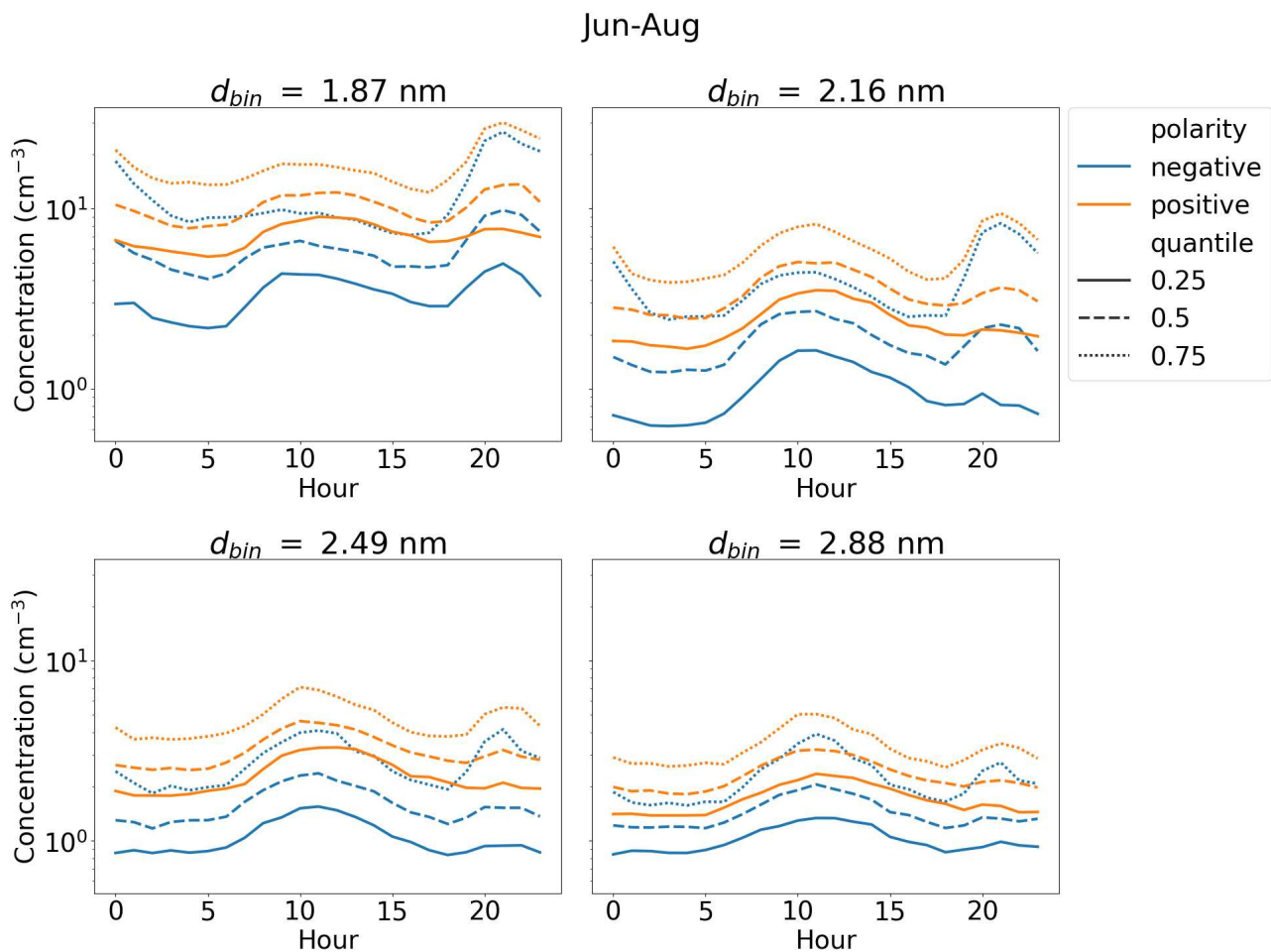


Fig. S2: Hourly ion concentrations from June-August in size bins with geometric mean mobility diameter d_{bin} based on median, 25%, and 75% quantiles. The ion concentrations were measured by a Neutral cluster and Air Ion Spectrometer (NAIS) at the SMEAR II measurement station in Hyytiälä, Finland from 2016 to 2020.

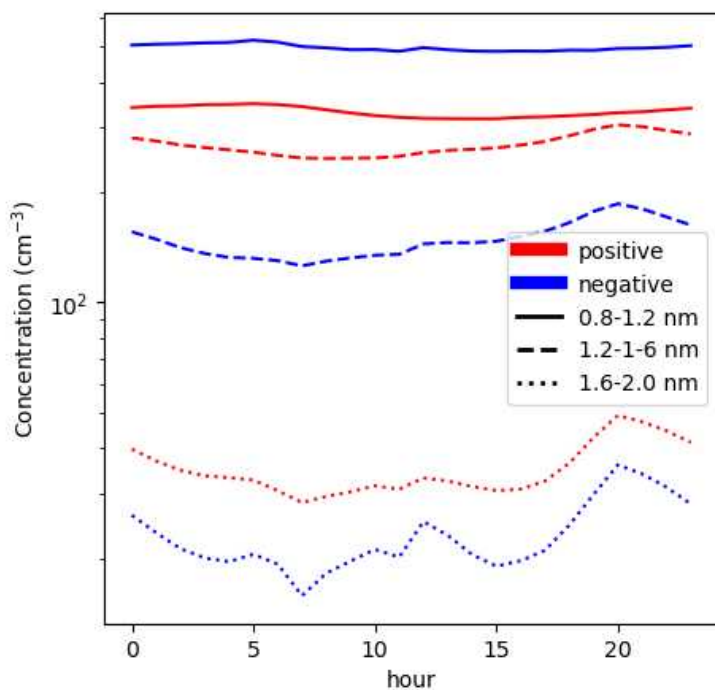


Fig. S3: Median hourly concentrations of positive and negative small ions for diameter ranges 0.8-1.2 nm, 1.2-1.6 nm, and 1.6-2 nm. The ion concentrations were measured by a Neutral cluster and Air Ion Spectrometer (NAIS) at the SMEAR II measurement station in Hyytiälä, Finland from 2016 to 2020.