Supplementary of **Intermediate ions as indicator for local new particle formation**

Santeri Tuovinen et al.

Correspondence to: Markku Kulmala (markku.kulmala@helsinki.fi)

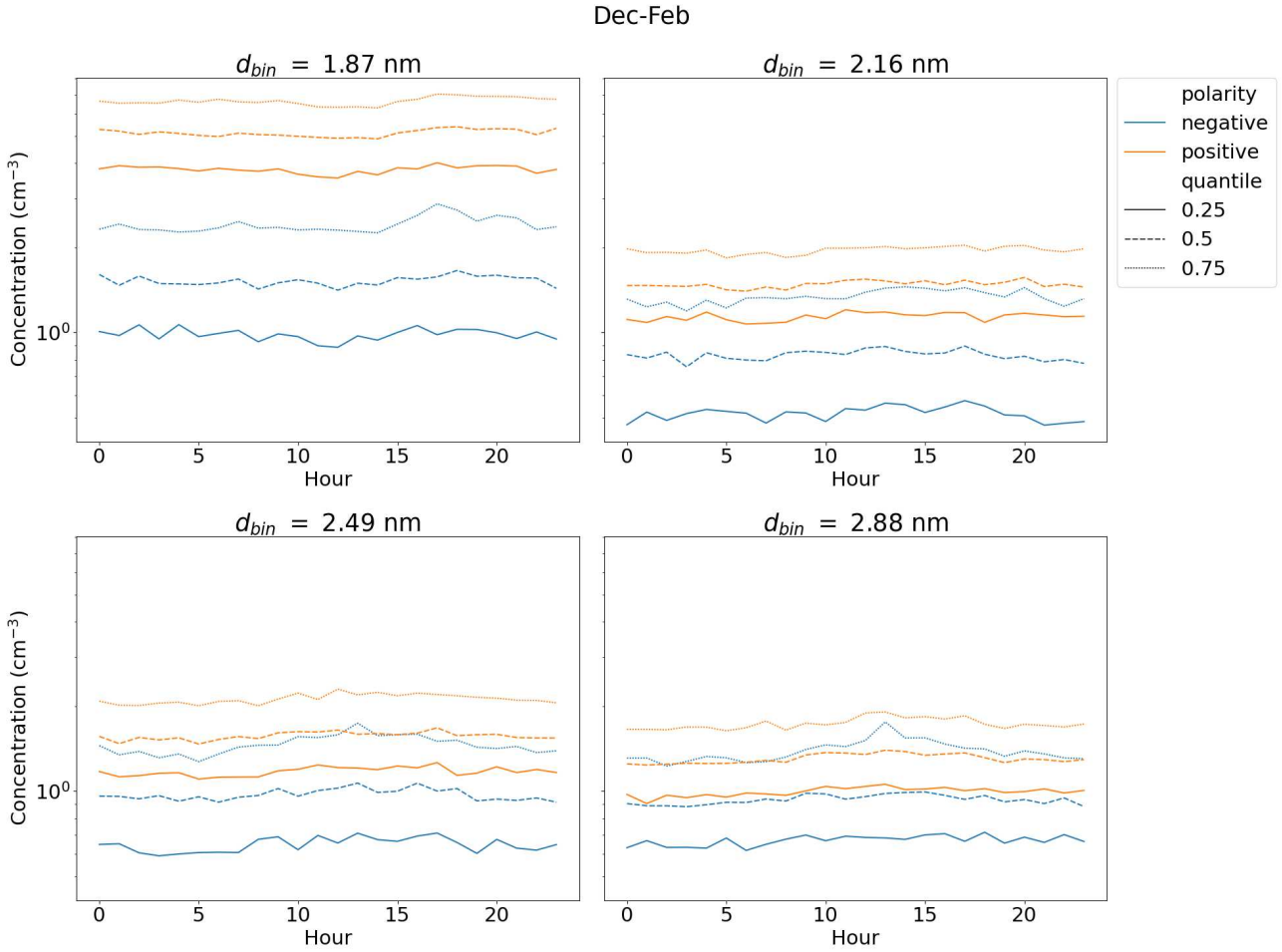

Fig. S1: Hourly ion concentrations from December-February in size bins with geometric mean mobility diameter d_{bin} based on median, 25%, and 75% quantiles. The ion concentrations were measured by Neutral cluster and Air Ion Spectrometer (NAIS) at SMEAR II measurement station in Hyytiälä, Finland from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

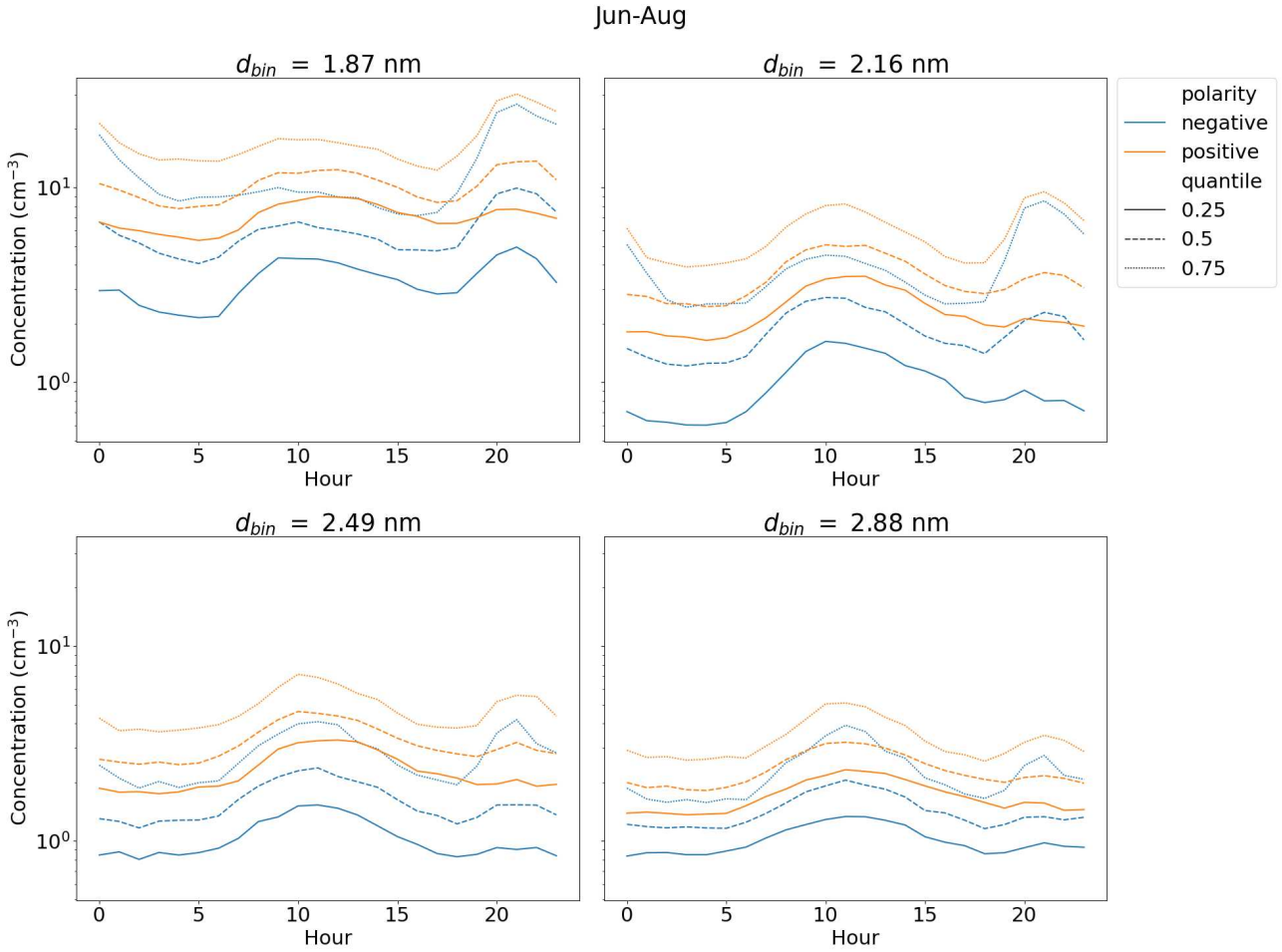

Fig. S2: Hourly ion concentrations from December-February in size bins with geometric mean mobility diameter d_{bin} based on median, 25%, and 75% quantiles. The ion concentrations were measured by Neutral cluster and Air Ion Spectrometer (NAIS) at SMEAR II measurement station in Hyytiälä, Finland from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