



Supplement of

Absorption instruments inter-comparison campaign at the Arctic Pallas station

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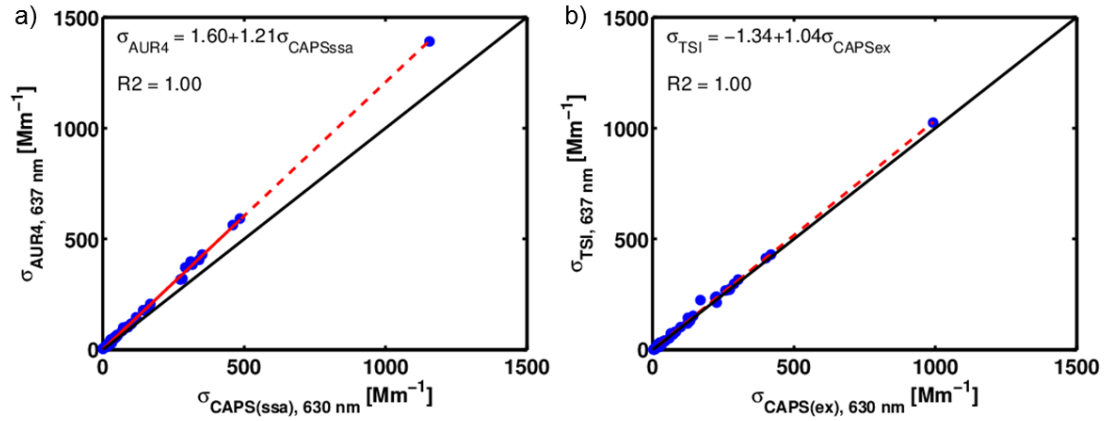


Figure S1. Scattering of pure ammonium sulphate particles measured by nephelometers and CAPS instruments in the three calibrations performed during the campaign. Data are averaged to 5-min. In y-axis the aerosol scattering measured by a) the Aurora 4000 nephelometer at $\lambda=635$ nm and b) the TSI nephelometer interpolated to a $\lambda=635$ nm and in x-axis the extinction measured by a) the CAPSssa at $\lambda=630$ nm and b) the CAPSex $\lambda=630$ nm. The obtained slope ($a = 1.21$ and $b=1.04$) was used to determine the CAPS instrument specific loss-correction factor.