



Supplement of

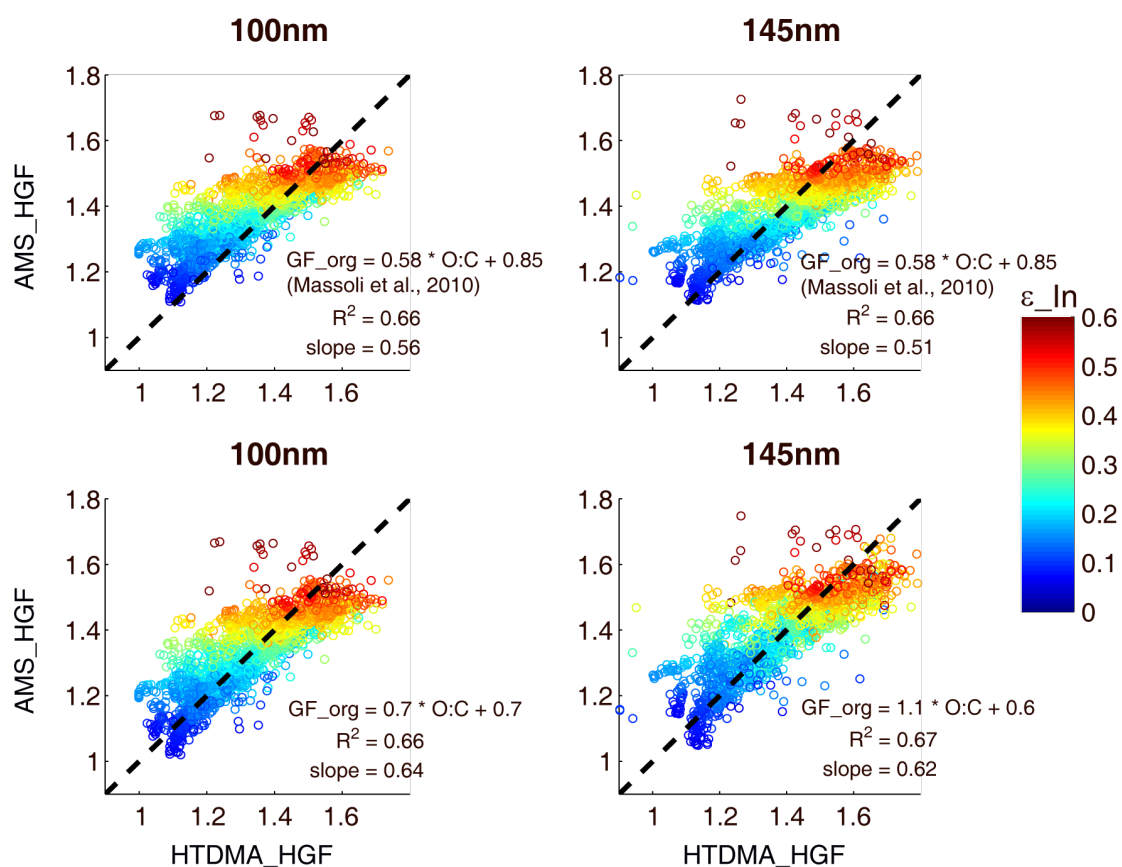
Relating the hygroscopic properties of submicron aerosol to both gas- and particle-phase chemical composition in a boreal forest environment

J. Hong et al.

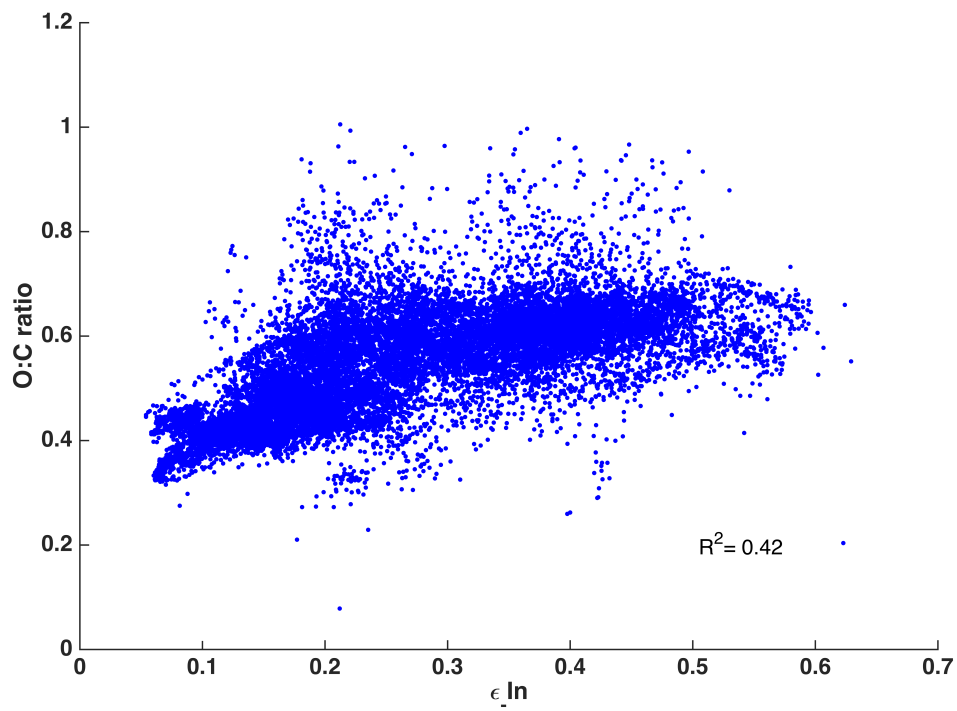
Correspondence to: J. Hong (juan.hong@helsinki.fi)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

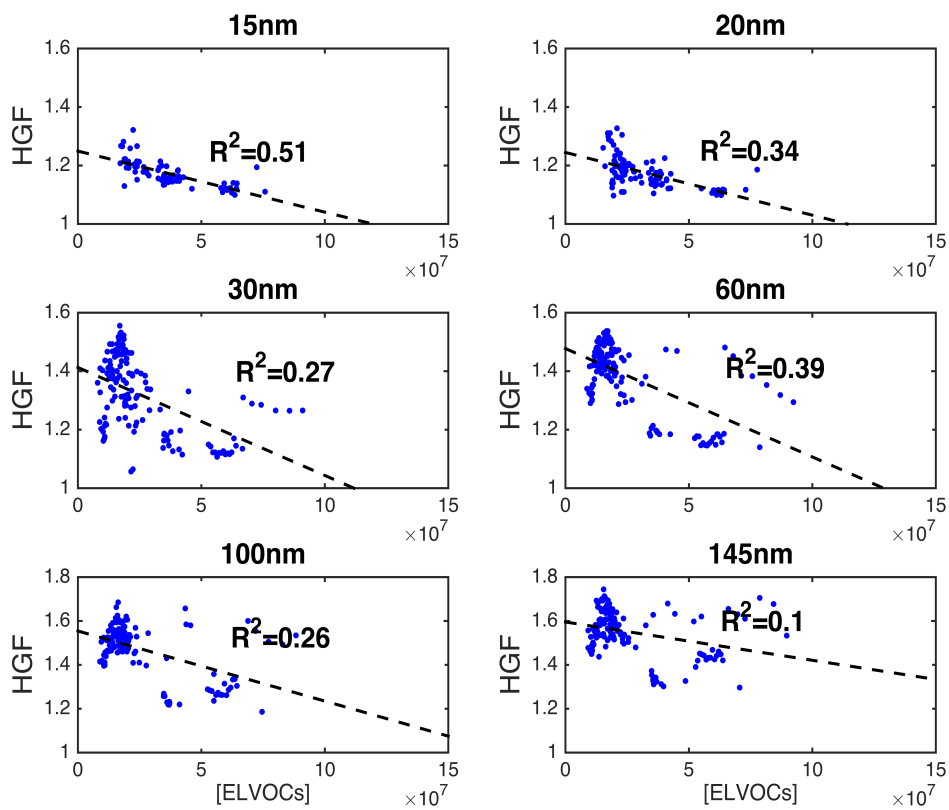
Supplementary material:



S1: Comparison between AMS derived HGF with measured HGF when taking into account of the influence of the oxidation level of the organics on the GF, with color code indicating the inorganic volume fraction.



S2: O:C ratio of organics as a function of the inorganic volume fraction from the bulk composition data obtained from HR-AMS, with R^2 shown.



S3: HGF of 15, 20, 30 and 60 nm particles with ELVOCs concentration in gas phase during the time of NPF at ozone concentration higher than 45 ppb ($[O_3] > 45$ ppb). The dashed line is the linear fit to these data, with R^2 shown.