

# Supplement

## Answers to reviewer comment 1:

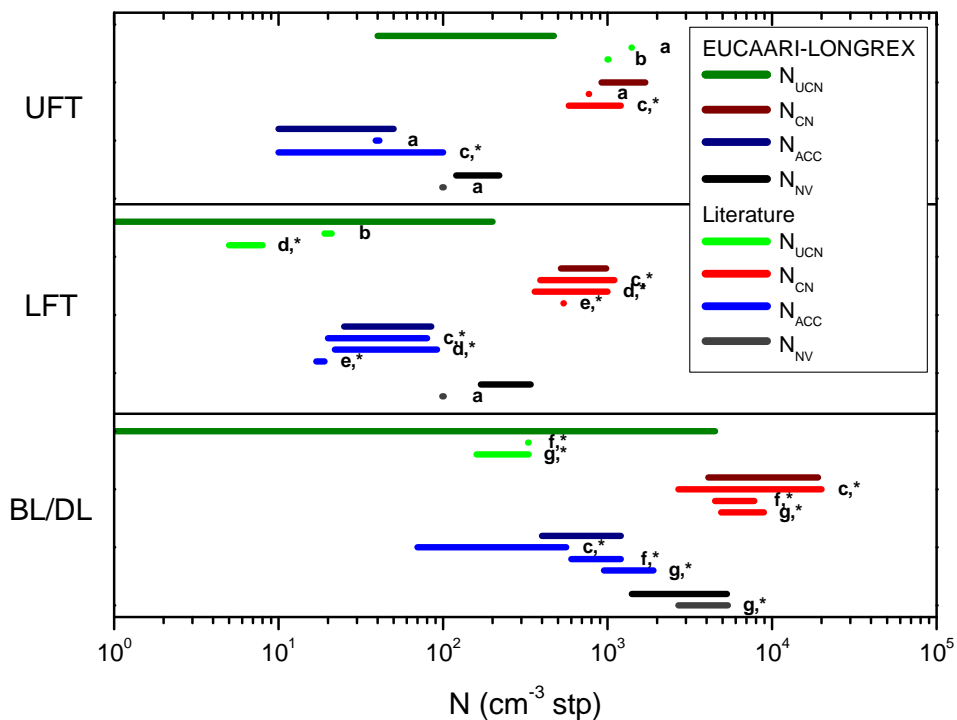


Figure S1 Alternative figure to Table 4 comparing observations to literature values.

a Minikin et al. (2003), North-Western Europe, September/October, NV at 250 C.

b Schröder et al. (2002), Central Europe, July/August.

c Petzold et al. (2002), Central Europe, July/August.

d Venzac et al. (2009), Western Europe, winter.

e Asmi et al. (2011), Central Europe, all-season.

f Birmili et al. (2001), Central Europe, all-season.

g Engler et al. (2007), Central Europe, all-season, NV at 300 C.

\* Number concentrations are calculated from log-normal size distributions to match the present particle diameter range.