

In connection to the paper “Ice-nucleating particle concentrations unaffected by urban air pollution in Beijing, China” by Chen et al, ACP, 2018, the following data is available here as supplemental material, both as ASCII (space delimited, “data_Chen_et_al_2018_txt.zip”) and as Excel-file (“data_Chen_et_al_2018_Excel.zip”):

“chemical composition and 12-h-N_INP”:

First column: filter label, indicating the sampling time (e.g.: 1127D – day sample from 08:00 to 20:00 on Nov. 27 2016, 1221N – night sample from 20:00 on Dec. 21 2016 until 08:00 on Dec. 22 2016).

Other columns: 12 columns with mass concentrations in microgram per cubicmeter (for PM2.5 until SNA), 1 column (N_INP measured at -16°C) in 1/L, 2 columns in 1/cm³, 2 columns in 1/L.

“INDA-blank_filter”, “INDA-water”, “LINA-blank_filter” and “LINA-water”:

Several pairs of columns of the temperature (T[°C]) and the measured frozen fraction (f_ice) for background measurements shown in Fig. A1 (for INDA) and Fig. A2 (for LINA).

“INDA_NINP” and “LINA-NINP”:

Pairs of columns of the temperature (T [°C]) and the number concentrations of ice nucleating particles (N_{INP} [1/L]) shown in the different panels of Fig. 5. Respective sampling dates are given in the first line.