

High-resolution CCN spectra are provided in individual text files for each flight.

For most flights a second file for low S is needed.

The ITCCNkey file shows the corresponding beginning and ending times of each CCN measurement in local time hour fractions, the altitude of the CCN measurements in meters, the estimated cloud base altitude in meters, the height of the cloud measurements,

ndf of each CCN measurement and in the last column ndf of the 54 CCN measurements closest to the clouds.

Files with dif label are $dN/d\log S_c$ of CCN per cm^3 within each channel designated by the first column labelled S.

Files with cum label show the cumulative CCN concentrations at and below S. Within the cum files is a column showing the $d\log S_c$ interval.

The two corresponding files for each flight can be derived from each other by taking the differences between each adjacent channel

concentration of the cumulative file and dividing this by the $S\log$ column to obtain the $dN/d\log S_c$ of the differential file.