NUS data processing by Delta NMR Software ver. 5.2

Non-uniform sampling (NUS) is applied for the multidimensional NMR experiment. For NUS data, data reconstruction is required for the NUS axis. The omitted sampling points are added by mathematical supplementation to reconstruct data, and then Fourier transform is applied. In this document, we will introduce a way of the 2D NUS data processing by Delta NMR Software ver. 5.2.

Add "nus_zerofill" at the end of the X-axis process list.

[PreTransform] - [NUS] - [NUS Zerofill]

Supplement the data measured by NUS with zero points.

Insert "nus_reconstruction" after the window function in a process list of the indirect-observation axis sampled by NUS.

[PreTransform] - [NUS] - [NUS Reconstruction]

Reconstructs the supplemented points using NUS Zerofill by compressed sensing.