

Delta Tips

NMDT_0033

Visualization of Arrayed Data

NMR data processing software

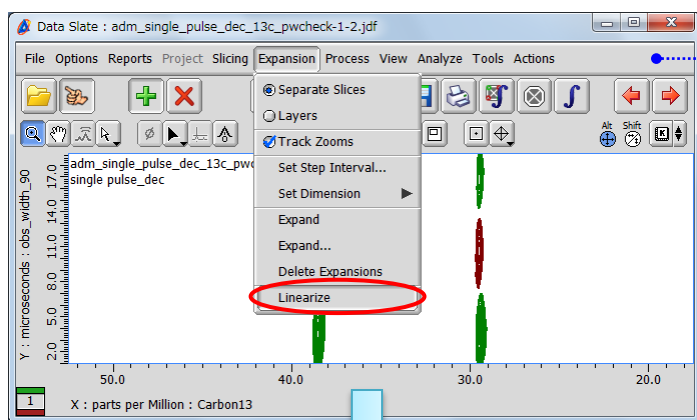
Delta
NMR Software
v5.0



◀ How to linearize arrayed data ▶

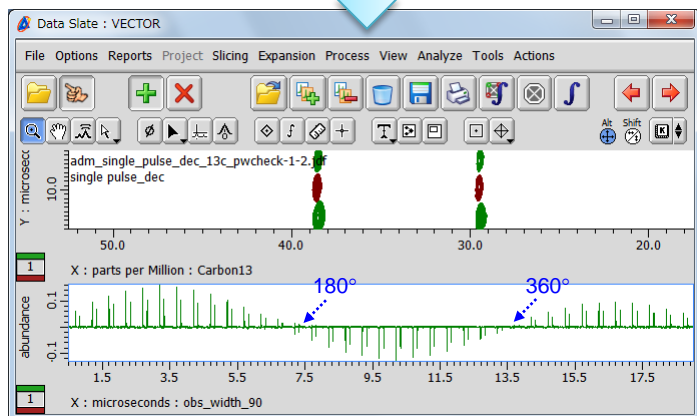
It is possible to open an arrayed data in Data Slate and to use the “**Linearize**” function in order to arrange all the 1D spectra side by side. This is useful if you measure pulse width or diffusion coefficient, for instance. In this example, we will show how to measure pulse width.

Select **Expansion – Linearize**.

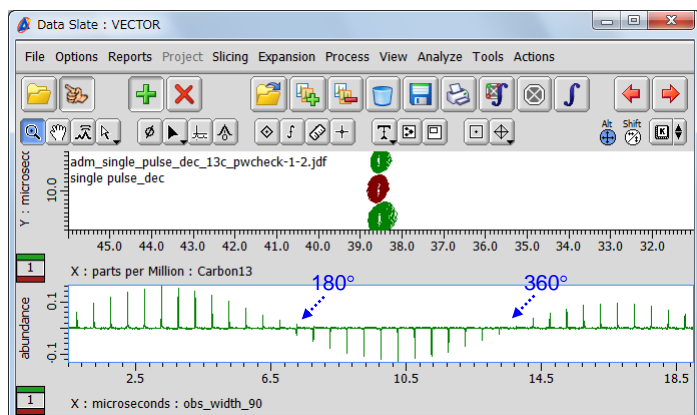


Data Slate

- ★ Refer to User's Manual on how to collect arrayed data (*i.e.* pseudo 2D data) on JEOL NMR spectrometers. In this example, *obs_width_90* was varied from 1 μ s to 19 μ s (step 0.5 μ s). All the 1D spectra were stored as a single pseudo-2D data file.



- ← The plot of signal intensity vs. pulse width consists of 37 one-dimensional ^{13}C spectra arranged side by side.



- ← To simplify the plot, it might be convenient to zoom in on a specific peak (e.g. 38.6 ppm) rather than a group of peaks.