## Delta Tips

NMDT\_0009

### 140121-1 NMR data processing software Delta NMR Software v5.0

**JEOL RESONANCE** 

### **Chemical Shift Referencing in 2D**

#### < How to copy chemical shift reference from 1D to 2D data >

This issue of Delta Tips shows how to copy chemical shift reference from a 1D spectrum to a 2D spectrum after the 1D spectrum has been referenced in the usual way.



#### ① Select Tools – Geometry Tools – Copy Ruler Reference in the 2D Viewer window.

2D Viewer : CAHE_hmbc_pfq-2.jdf		<b>6 X</b>
File Options Reports Project Slicing Expansion Pro	ess View Analyze Tools Actions Layout	
	Calculators  Filter Edear  Concerction Tool Verio Cattrol Verio V	
000 000	Copy Ruler Reference	
	Source	
	🇞 Target	
	Ruler to Copy	The Copy Ruler
	X Y Z A All Reset	Reference window

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Click the source button in the Copy Ruler Reference window and then click inside the proton spectrum. Note that cursor temporarily changes to the symbol. This operation assigns the proton spectrum to be the source of reference.

③ Click the button in the Copy Ruler Reference window and then click inside the 2D spectrum. This operation assigns the 2D spectrum to be the target of reference.



4 Click the 💌 button.





(5) Repeat Steps (2)-(4) for the carbon spectrum and Y-dimension of the 2D spectrum.

