

# Delta Tips

NMDT\_0078

## Delta V6.0 - New Contour Level Control

NMR data processing software

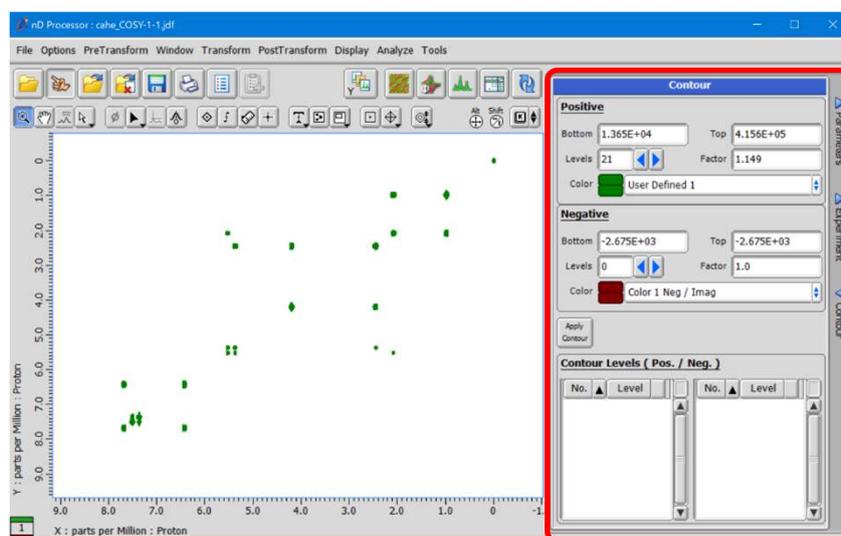


In Delta V6.0, it is possible to adjust contour levels of 2D data by using the new **Contour** panel in the **nD Processor** window. You can use the **Contour** panel in the same way as you would use the **Level Tool**. This new panel allows you to input contour level values. And also, it is possible to adjust contour levels by using the **Contour Slide** function with the **Contour** button.

- ★ For the details of the **Level Tool**, refer to the Delta Tips issue titled **Level Tool** (⇒NMDT\_0077).

**How to use the Contour panel in the nD Processor window :**

- 1 Click the **Contour** button in the **nD Processor** window to open the **Contour** panel.

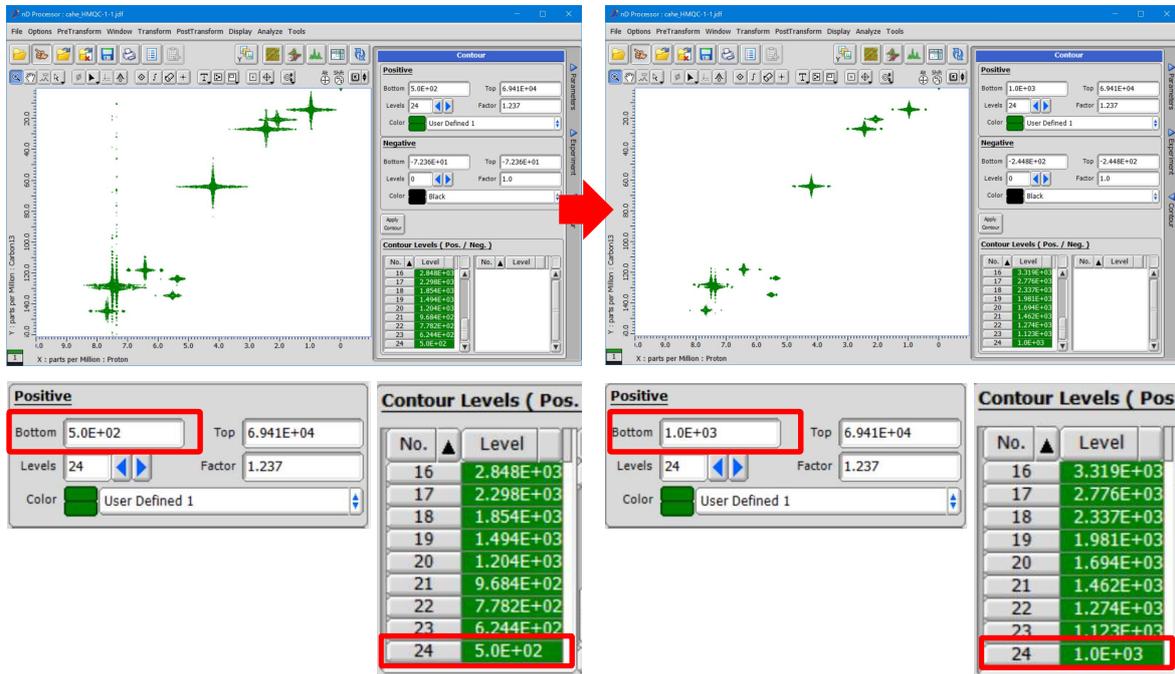


- 2 Click the **Apply Contour**  button to display the current **Contour Levels** of the spectrum displayed.

- 3 Adjust the **Bottom** and **Top** contour levels.

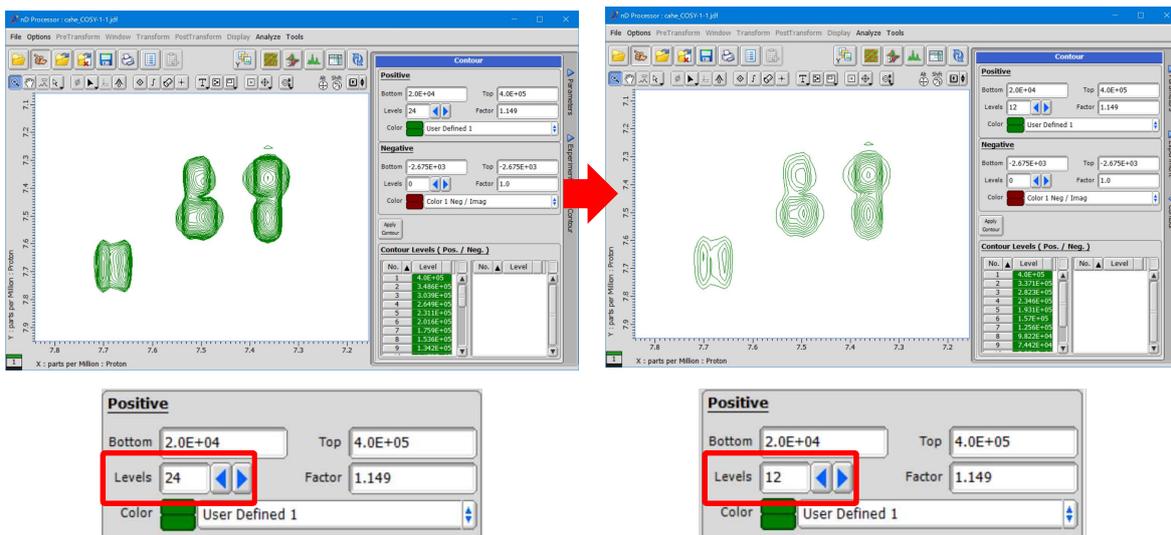
In the example bellow, we will change the **Bottom** level from  $5.0E+02$  to  $1.0E+03$ . Input the value and click the **Apply Contour**  button to apply the new setting to the data.

# Delta Tips



④ Set the number of contour levels via the **Levels** input box.

The **Levels** input box has the same function as the **preset buttons** of the **Level Tool**. In the example below, we will change the number of **Levels** from 24 to 12. Input the number and click the **Apply Contour** button to apply the new setting to the data.



# Delta Tips

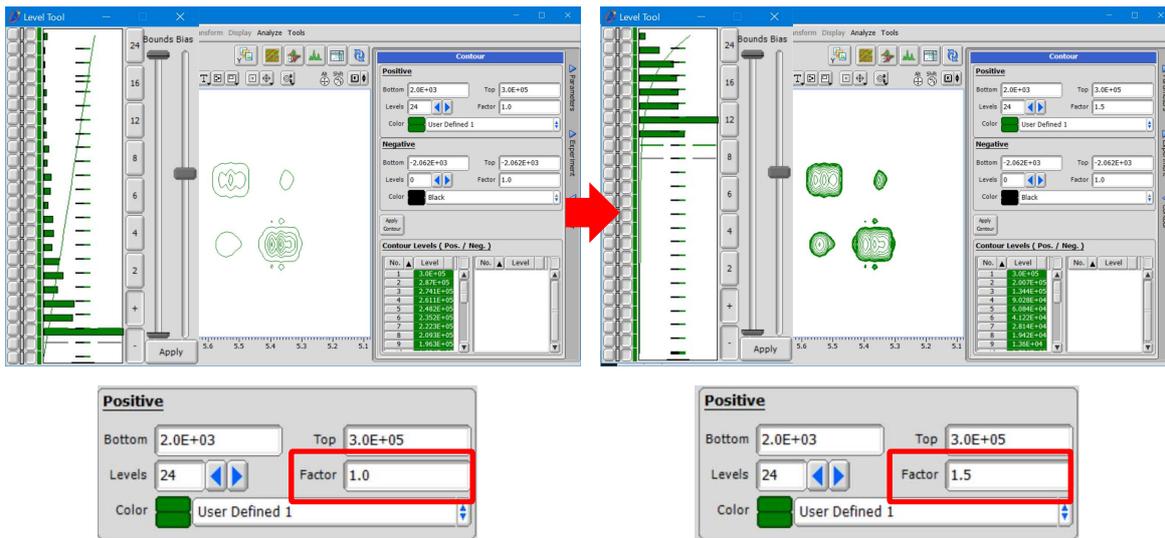
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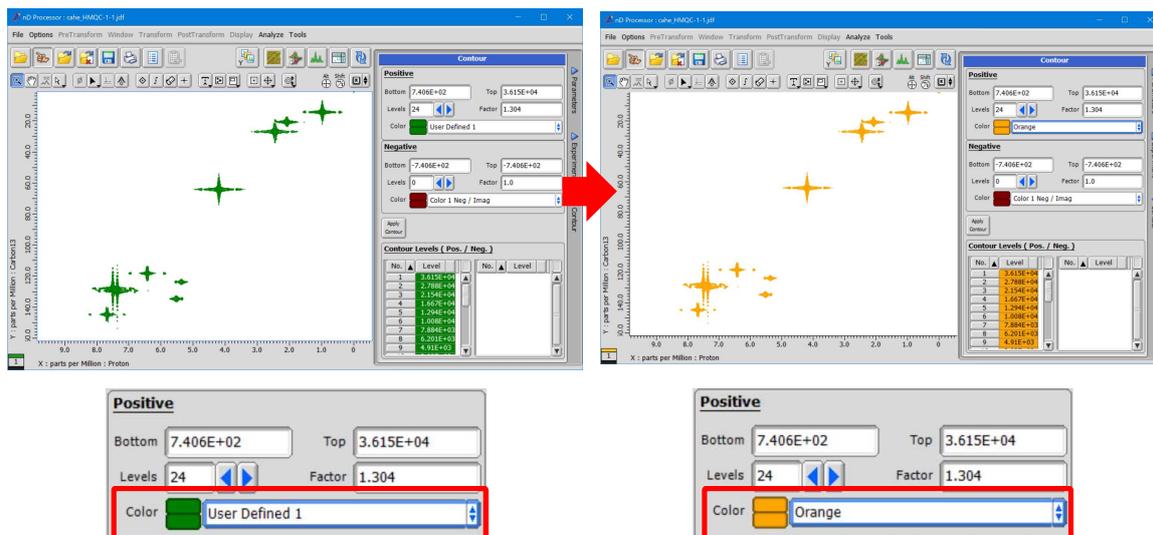


- ⑤ Adjust the value in the **Factor** input box to set the bias of contour plot.

The value of **Factor** has the same function as the **Bias slider** of the **Level Tool** window. In the example below, we will change the value of **Factor** from 1.0 to 1.5. Input the number and click the **Apply Contour**  button to apply the new setting to the data.



- ⑥ Set the colour of contours in the **Color** box. In the example below, we will change the colour of positive contours from green to orange. Change color in the **Color** box from **User Defined 1** to **Orange** and click the **Apply Contour**  button to apply the new setting to the data.



★ The **Contour** panel is linked to the **Level Tool**.

3/5

# Delta Tips

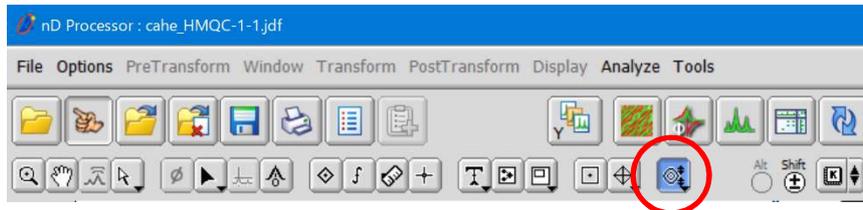
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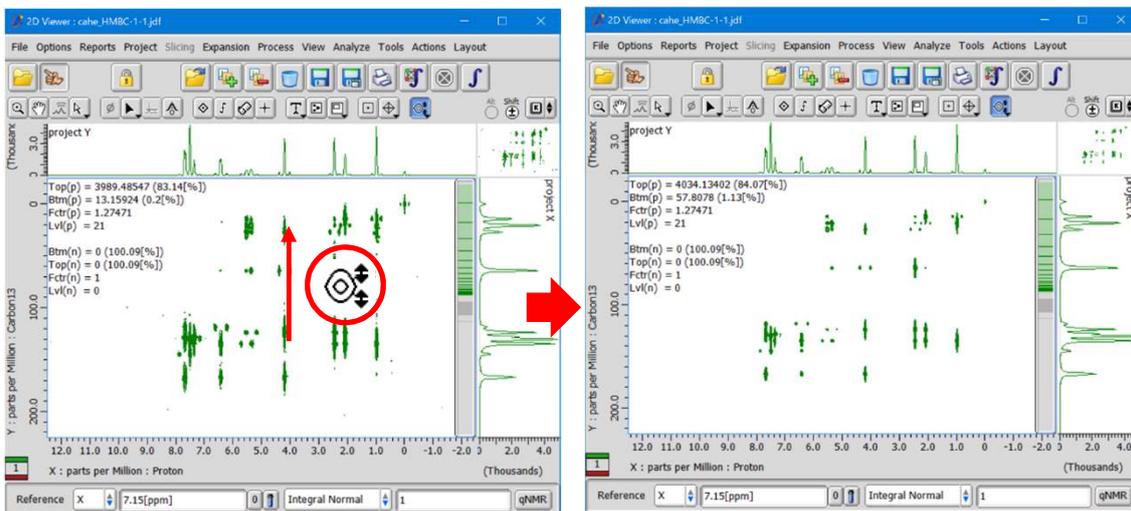


## How to use the Contour Slide button :

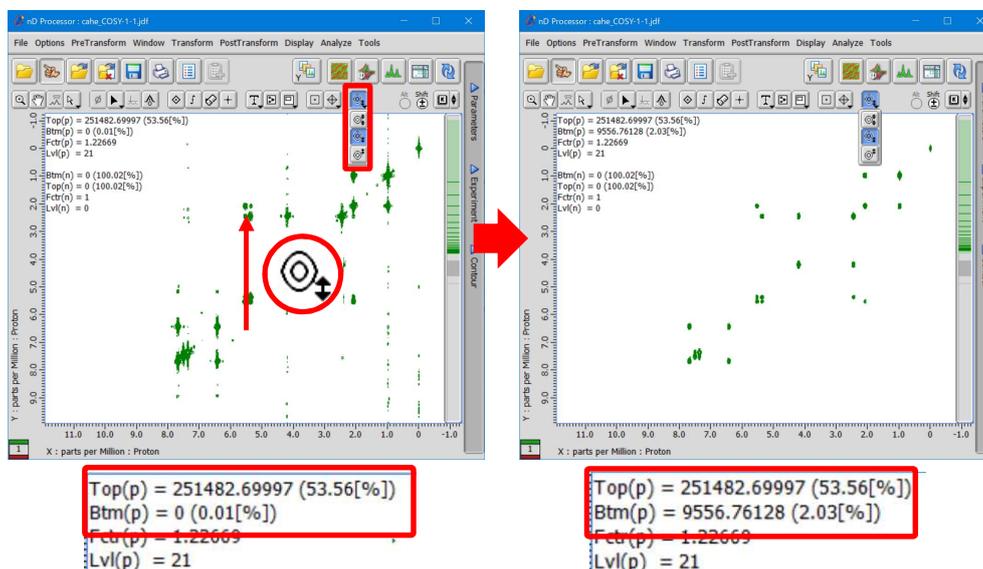
- 1 Click the **Contour**  button in the pointer bar. Note that the cursor has changed into the **Contour**  cursor.



- 2 Drag and drop the **Contour** cursor on a 2D spectrum to adjust contours.



- 3 Click and hold the **Contour** button to show the **Contour** button list. In the example below, we will select the lowest contour  button. Drag and drop the **Contour** cursor  on a 2D spectrum to adjust the **Bottom** level.



# Delta Tips

- ④ In the example bellow, we will select the highest contour  button. Drag and drop the **Contour** cursor  on a 2D spectrum to adjust the **Top** level.

