



## Flip

It may be necessary to flip data in order to orient it correctly. The Flip tool allows users to flip data along any single axis or combination of axes.

**Table 6.3: Flip Parameters**

Axis	Outcome
X	flips data horizontally about the vertical (Y) axis
Y	flips data vertically about the horizontal (X) axis
Z	reverses the order of the slices

Flipping the data in only the X or Y direction will create a mirror image. If this is not the desired result, the data can be flipped in both the X and Y directions at once to prevent a mirror image from being created.

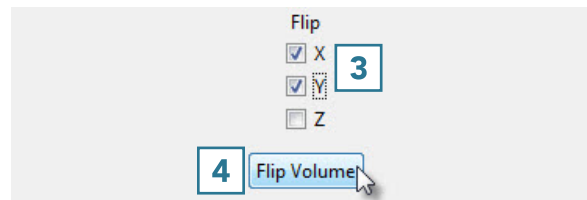
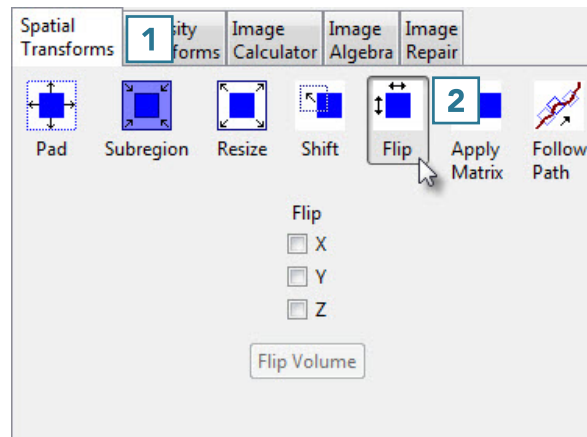


## 2. Flipping Data

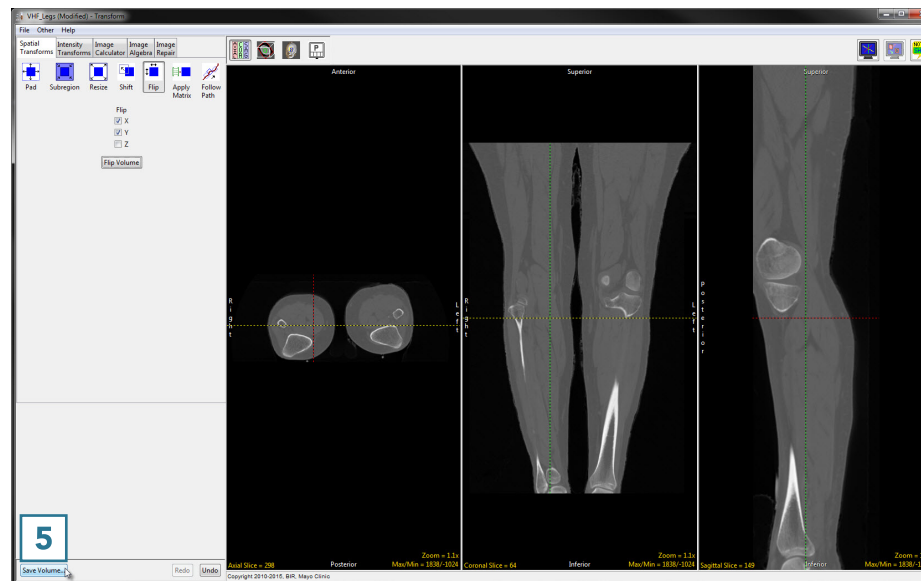
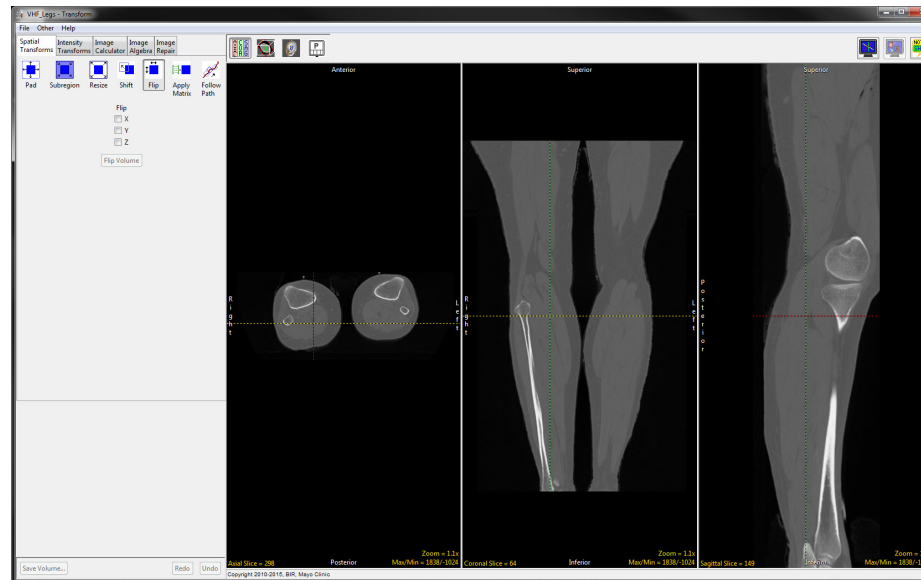
- Select the data set to flip and open Transform. Navigate to Spatial Transforms **1** and select the Flip tool. **2**
- Select the checkboxes for the directions you wish to flip the data. **3** We will flip this data in the X and Y directions to avoid creating a mirror image.
- Click Flip Volume **4** to apply the flip.



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data set to follow along  
<http://analyzedirect.com/data/>



- The data set before and after the X-Y flip is shown below. Once the data is flipped, click Save Volume to save the flipped data set. **5**





- In the Save Transformed window, choose to create a new workspace volume. **6**
- Rename **7** and click Save Volume. **8**
- Close Transform.

