This tutorial contains navigation buttons that enable you to move throughout the tutorial.

Please use the navigation buttons and not the page up/page down or arrow keys to navigate through the tutorials.

This is the 'Next' button. It takes you to the next frame or stop point.

This is the 'Previous' button. It takes you to the previous frame or stop point.

This is the 'Go to frame' button. It takes you to a specified frame.

This is the 'Go to URL' button. It takes you to a website link.

Press the 'Next' button below to start this tutorial.
This tutorial will cover how to crop an image.

Cropping can be useful when one wants to look at a subset of an image data set, or wants to crop out unwanted features.

As with any data pre-processing, one should have a logical reason for cropping an image and should always state any image manipulations done before data processing in any papers or presentations.
From the 'Data Pre Processing' menu choose:

Data Pre Processing -> Crop Image
Data Selection Panel

Name of Image: imagedata_DAN01
Name of Variable Matrix: exactmass_DAN01

Load Selected Image  Set Crop Square  Crop Image  Close Panel

The Crop Image panel will appear.

Original Image

Cropped Image
Press the 'Load Selected Image' button to load the data selected in the drop down menu.
The data is loaded and the total counts image is shown in the 'Original Image' plot.
Now press the 'Set Crop Square' button to enable the selection cursor and select the area to be included in the crop.
Click and drag with Right mouse button

Follow the instruction shown here. Click and drag a square area you want to crop.

Currently the selection area must be square. If the area you drag over is not square, the program will adjust it to be square.
Press the 'Crop Image' button to crop to the selected area.
The cropped image data is saved and the cropped area is displayed in the 'Cropped Image' plot.
The cropped data is added to the Image Matrix drop down menu. The name includes the location of the corners of the cropped area.
To close the panel, press the 'Close Panel' button.
That ends this tutorial. Press the button on the left to go back to the previous step. Press the button on the right to start the tutorial over.