The Data Set Inspector:

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The document submenu lets you put Data Sets together using Columns of data for the X, Y, X-error, and Y-error values. In *DataExplorer* all Plots are owned by a Document and all DataSets are owned by a Plot. In the state you see it here the Document ChemLab1.dtexp owns UntitledPlot-0 which owns DataSet0. There is no selected Data Set in the third Column of the browser so there is no Active Data Set. When DataSet0 is clicked on we see the Columns that it was created from appear in the appropriate places.

Creating Data Sets:

There are two ways to create Data Sets in *DataExplorer* you may create one by dragging the titles of the Columns you want to make up the Data Set into the appropriate boxes labeled X, Y, X-errors, and Y-errors. You may also use *Paste* to paste a Plot or a Data Set over or into an existing Plot respectively - see the documentation on Copying and Pasting under the Document documentation.

There are several states which the Data Set Inspector might be in when you drag in Column titles. There may be no Document selected a Document may be selected which is not the owner of the dragged in Column. In either case as soon as you drag in the Column title the correct Document will be selected. If there is no Plot selected when you complete your Data Set then a new Plot will be created and the Data Set will be added to it.   A Data Set is complete when it has an X title and a Y title showing in the inspector. Data Sets do not have to have associated errors. If a Data Set is selected and you replace one of its items it will be rebuilt.

Data marked as special in the Columns is ignored when building the Data Set. If you mark an X, Y, X-error, or Y-error data item by alternate-clicking on it the Column all of the corresponding data items are not used. This lets you eliminate bad data items.

The following shows how you would create a Data Set with *time* for for the X data and *correctedmass* for the Y data.
paste_1.eps ¬

Removing Data Sets:

To remove a Data Set simply select it and click on *Remove* in the Data Set Inspector.

Renaming Data Sets:

To rename a Data Set double-click on its name in the Data Set Inspector and type in a new name. If the name is acceptable it will be changed.

Fitting Data Sets:

The *Fit* and *Fourier Fit* buttons are short cuts for the *Show Fit* buttons in the Linear Analysis and the Fourier Analysis panel.