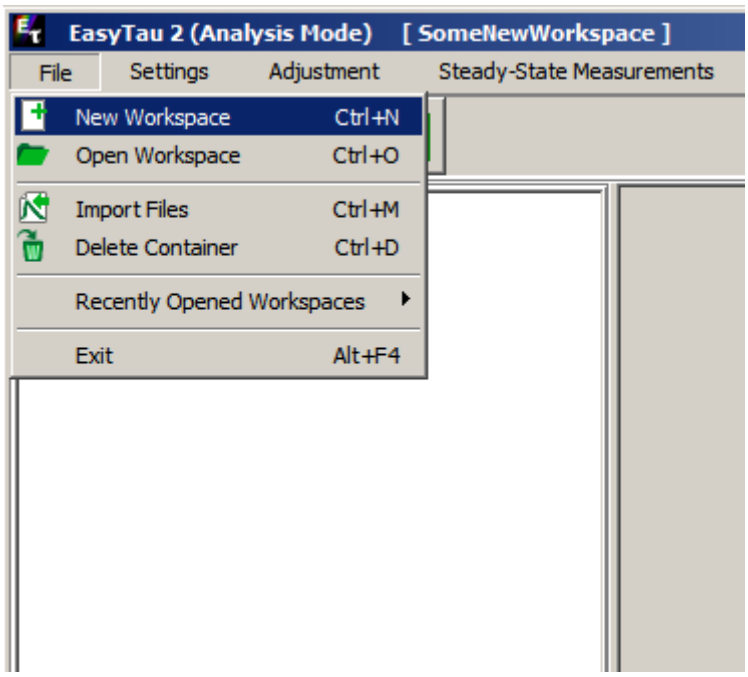
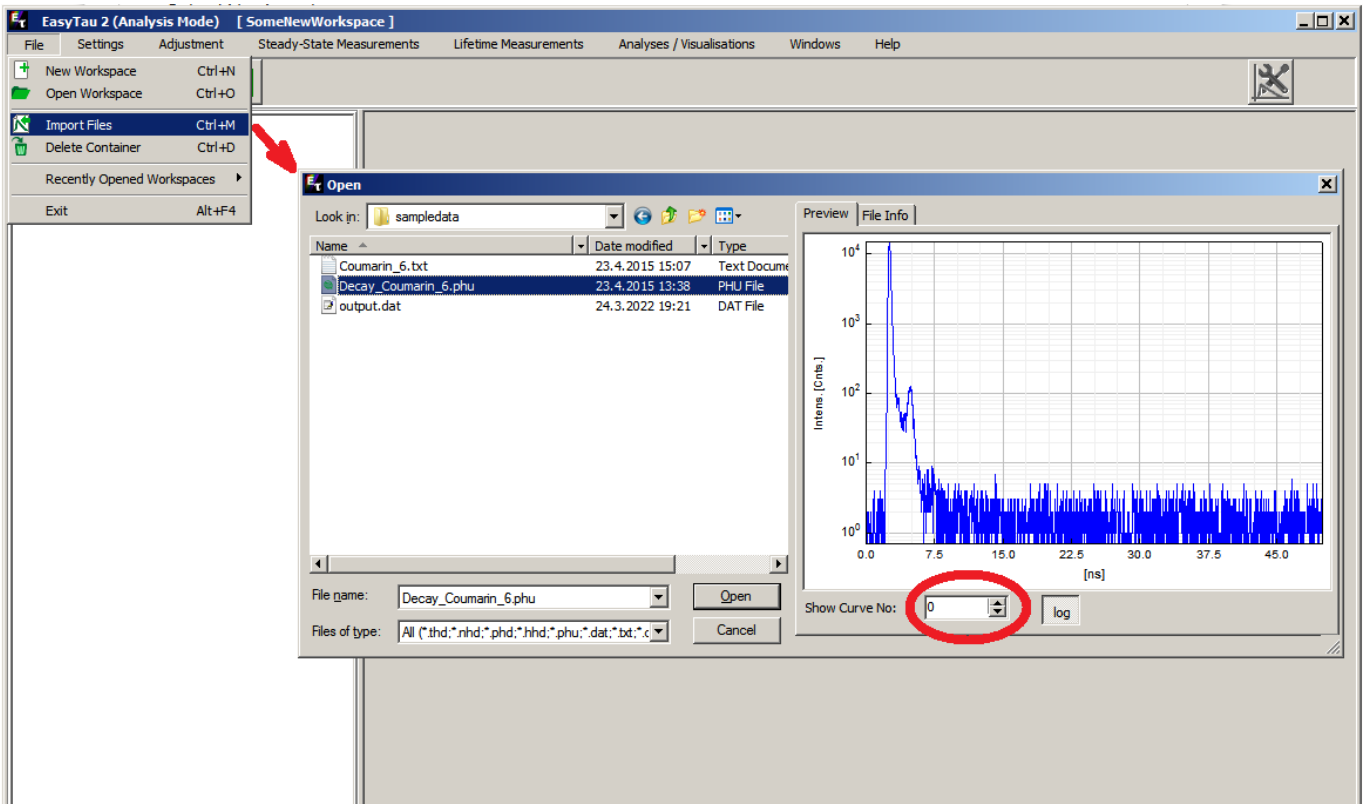
Data file import

Create a new workspace or open an existing one:

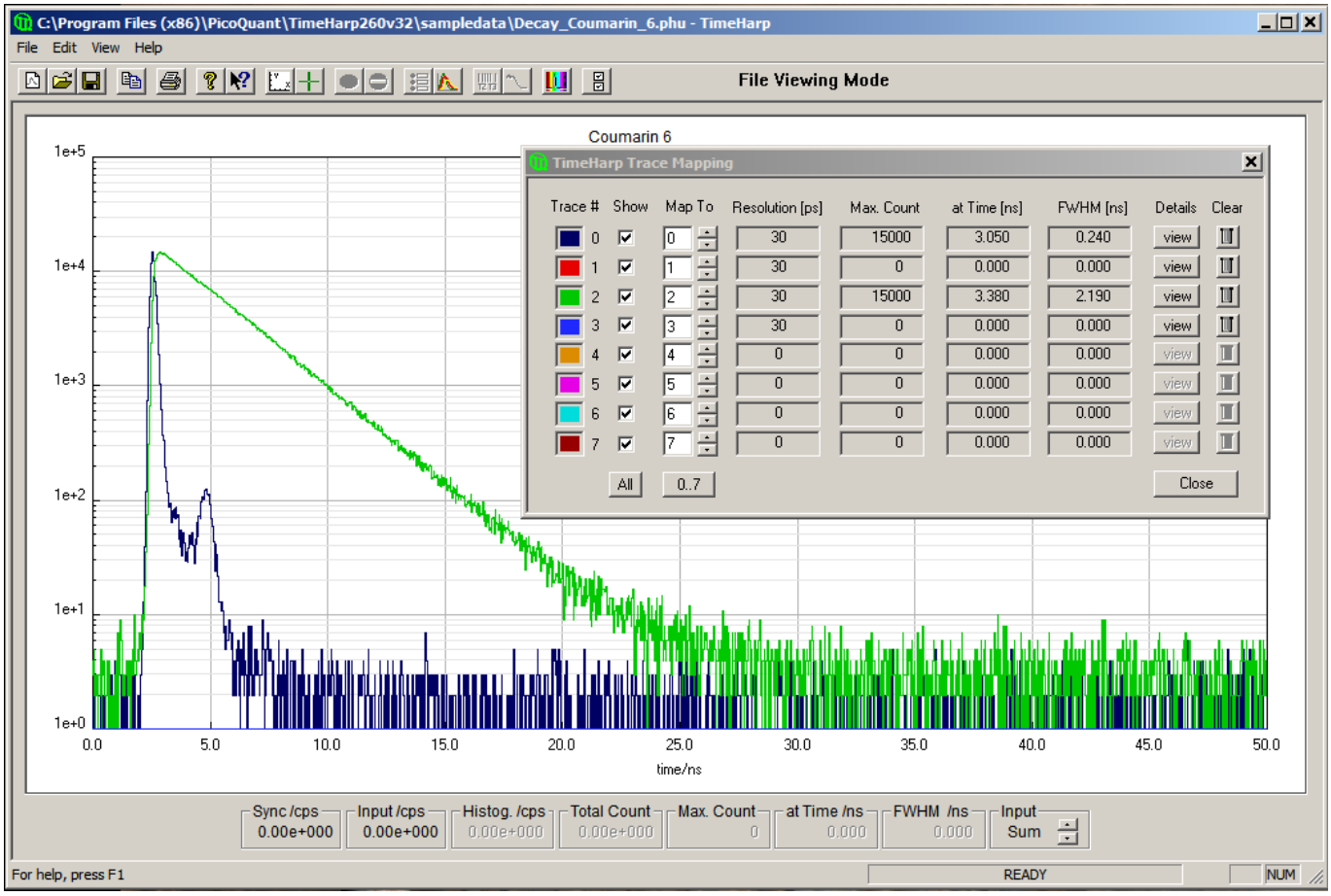


Then select Import Files. A new dialog opens, where the data file is selected:



The file selected above is a sample data file, `Decay_Coumarin_6.phu` installed during the installation of the native TimeHarp260 software. This file contains two histograms: an Instrument Response Function (IRF) and a decay curve of Coumarin6 dissolved in ethanol. During file import, before pressing the Open button, it is possible to preview and step through the data content of selected file using the control elements on the right hand side of the dialog.

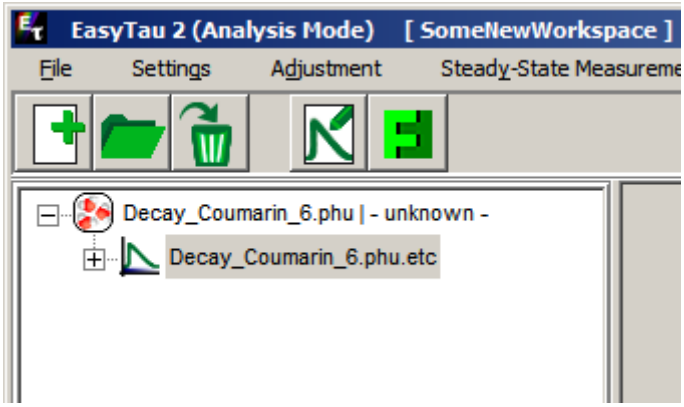
The same data file, when opened in the native software, looks like this:



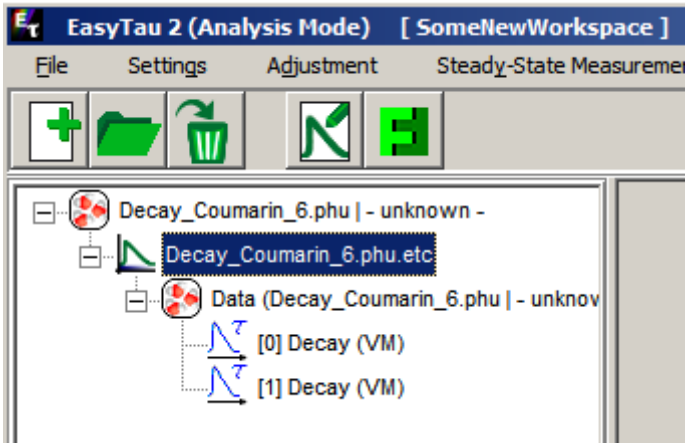
Trace #0 shows the IRF, Trace #2 is the decay curve. The other data blocks are empty. Both Trace #0 and #2 will be imported into a single `.etc` data container. This will make the data analysis easier. In general, such a `.phu` file may contain many more histograms.

It is also possible that an IRF measurement and a decay measurement are stored in two separate `.phu` files. This is no problem, but then the file import procedure has to be repeated for each file and the imported curves will end up in dedicated `.etc` data containers.

After importing `Decay_Coumarin_6.phu`, the workspace looks like this:



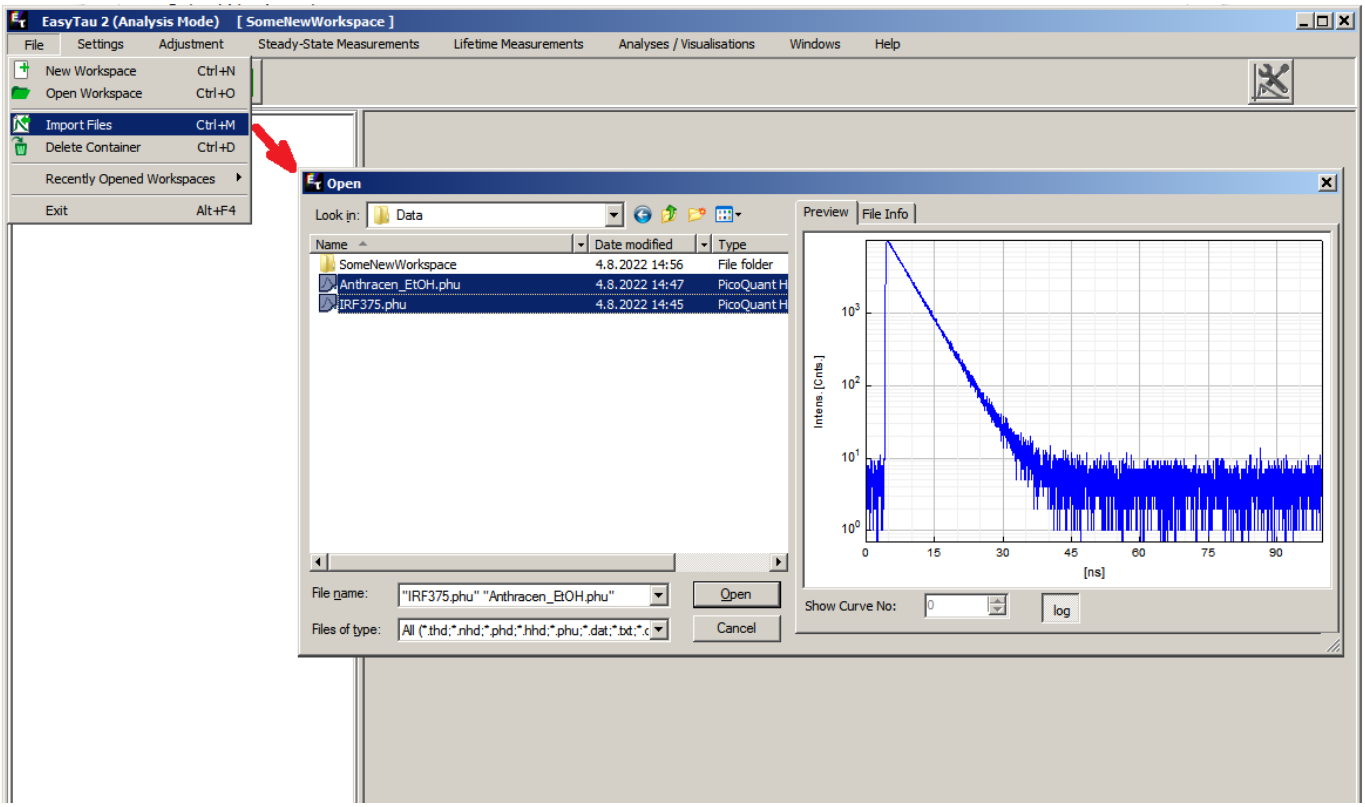
After expanding the data container:



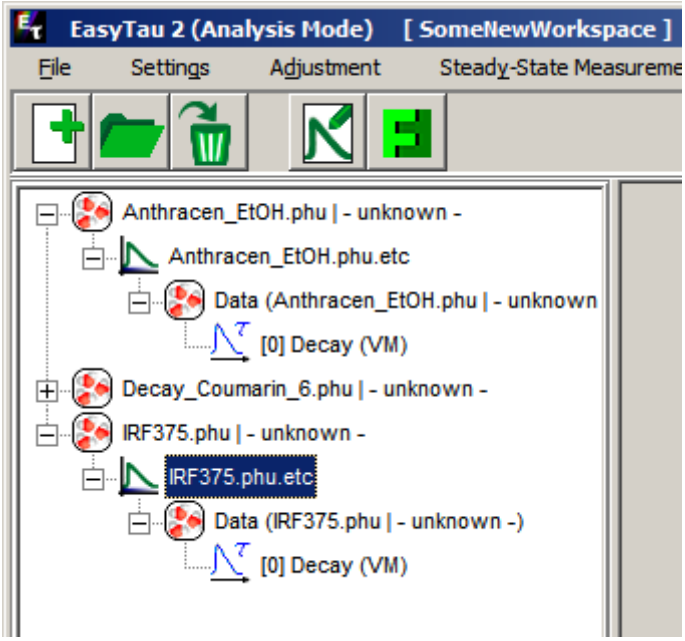
Two histograms have been imported. They are shown as “Decay” because EasyTau does not know their assignment yet.

Multiple File Import

Importing multiple data files is easy. Use CTRL + Click to select multiple files:



Each input `.phu` file has got a dedicated `.etc` data container:



Unlike `Decay_Coumarin_6.phu` containing two histograms, both `Anthracene_EtOH.phu` and `IRF375.phu` contains only one histogram. These two measurements actually belong to each other. In order to perform reconvolution fitting of the Antracene decay, the corresponding IRF measured at 375nm excitation wavelength will be needed.

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