

# TAS Data Reduction

## Quick-Start

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## Overview

The new TAS data reduction application has been designed so that you can do simple things quickly and easily and more sophisticated manipulations with few mouse clicks. The interface is relatively sparse in terms of the controls immediately visible. This was done on purpose so as not to overwhelm the user with options. The intent is to make the software simple to use for beginners and equally as useful for seasoned TAS users. To this end the user makes choices from a series of context-sensitive menus that are made visible by right-clicking the mouse when a file or folder has been selected. The content of the context-sensitive menus is shown in the series of screen shots in the following pages. The data can be sorted by the user into a **SIGNAL** or a **BACKGROUND** folder. The reduction steps depend explicitly on which files are placed into these folders. For example, if the user wishes to subtract one file from another then the *background* file (i.e. the one in the **BACKGROUND** folder) will be subtracted from the *signal* file (i.e. the one in the **SIGNAL** folder).

## Getting Started

Launch the triple-axis data reduction module from **DAVE**→**DATA REDUCTION**→**TAS**→**TAS Data Reduction**.

## Loading Data

Loading SIGNAL data:      **FILE**→**Load Signal File**      (menu bar item)  
                                 **SIGNAL Data**→**Load file(s)**      (context-sensitive menu)  
Loading EMPTY data:      **EMPTY Data**→**Load file(s)**      (context-sensitive menu)



## Choosing Reduction Options

**Data Group**→**Set Reduction Preferences**      (context-sensitive menu)






## Reducing Data

**Data Group**→**Reduce Data**      (context-sensitive menu)

## Plotting Data

Plotting data:      Left mouse click on any (or multiple) data files with either of the following symbols:  or . The first one denotes combined data (not discussed in this quick-start) and the second one represents simple plots of y versus x.

## Saving/Printing Options

Saving as DAVE file: **Data File** ( or )→**Save as DAVE File**      (context-sensitive item)  
Saving as text file:      **Data File** ()→**Save as text File**      (context-sensitive item)  
Saving as PS file:      **Data File** ( or )→**Save as PS File**      (context-sensitive item)

