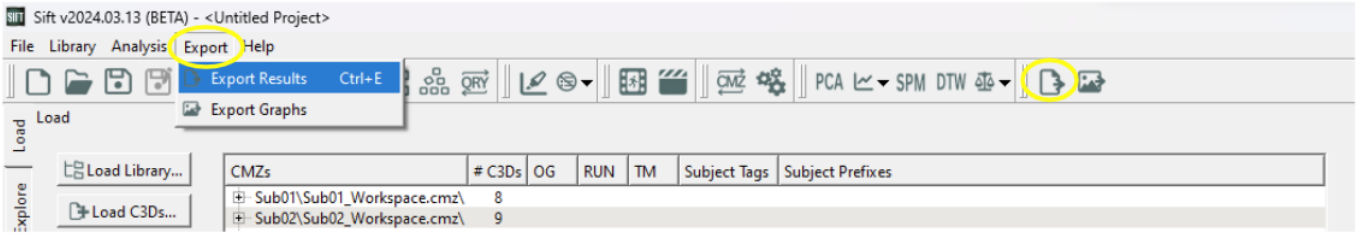
Export Results Dialog

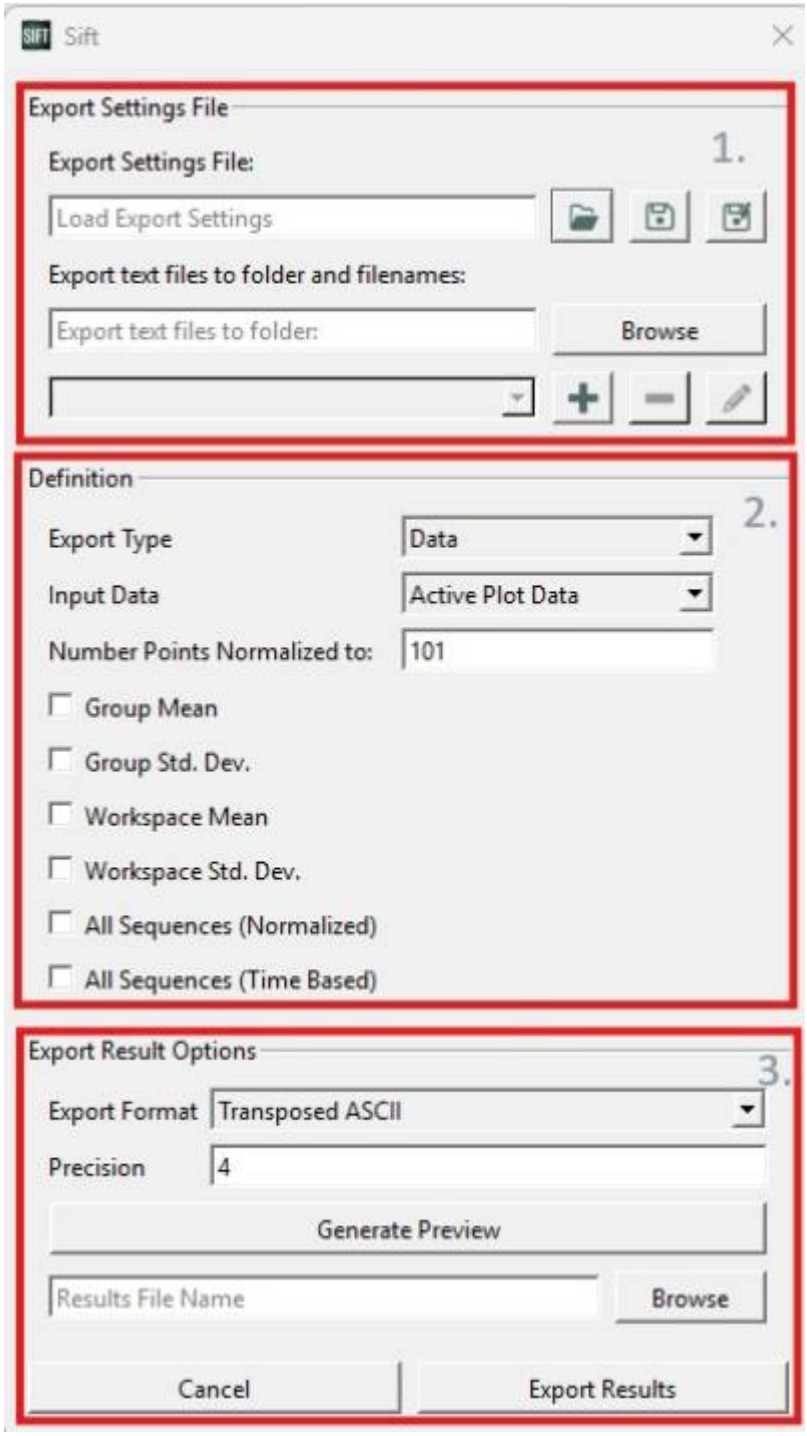
The export results dialog allows the user to export a variety of data (group data, summary statistics, registered curves, Principal Component Analysis (PCA) results, Dynamic Time Warping (DTW) results and Statistical Parametric Mapping (SPM) results) to text files in Standard ASCII, Transposed ASCII, SPSS ASCII and P2D format. The export results dialog can be found on the toolbar and under the Export menu.



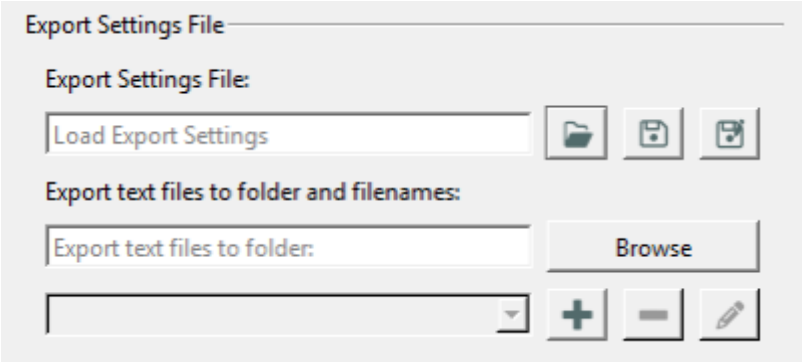
Dialog Overview

The export results dialog is split up into three sections.

1. Export Settings
2. Definition
3. Export Results Options



Export Settings Section



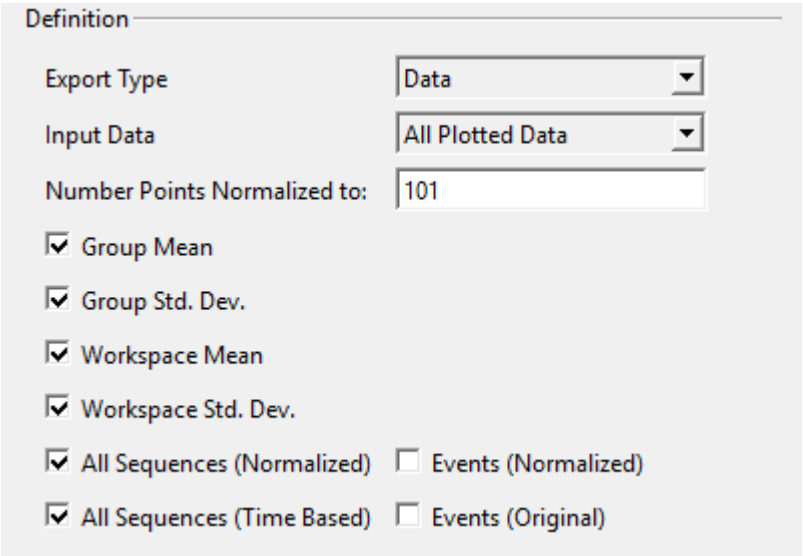
Selecting export settings allows you to save premade selections for exporting, saving time customizing your exports. Export setting files are saved as standard text file.

Field	Description
Export Settings File	Here you can browse your library to load in an Export Settings File.
Export text files to folder and filenames	Here you can customize where you want your exports to be saved and specify the folder and the filenames.

Definition Section

This section defines what data (signals, metrics, calculated values, and summary statistics) you want to be exported in the text file. Changing the export type, changes the different options to be exported.

Export Type: Data



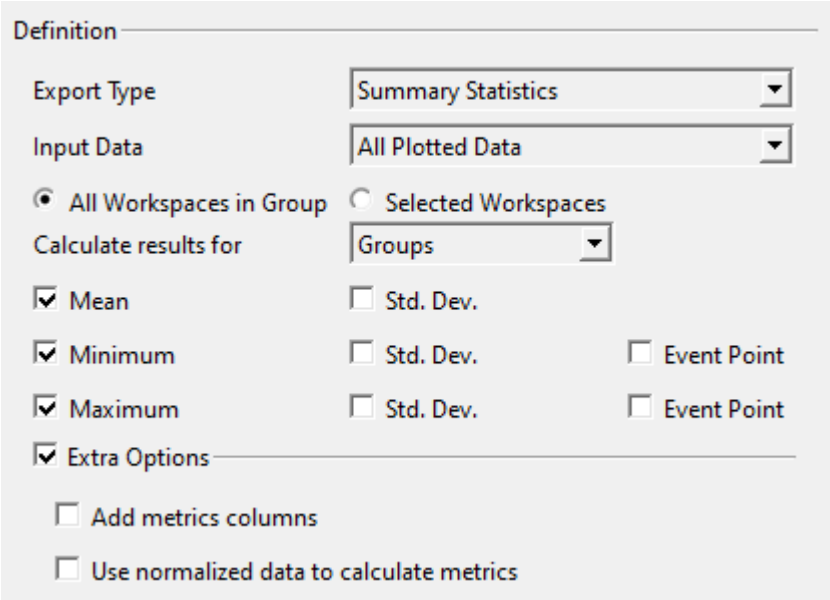
The export type data allows you to export all information related to queries. The key here is your **Input Data**, which allows you to choose what data you want to be exported. There are four different options to choose from:

1. All Queried Data - this will export all data that has been queried from the library
2. All Plotted Data - this will export all data that has been visualized on one of the Explore Page's plots

3. Active Plot Data - this will only export data that is on the Explore Page's active plot
4. Highlighted Data - this will only export data that is highlighted

Field	Description
All Workspaces in Group or Selected Workspaces	Choosing Selected Workspaces will only export workspaces that are selected in the groups and workspaces widget.
Number Points Normalized to	This will normalize the data to the number selected. The standard it to keep is at 101, which queries are typically normalized to.
Group Mean	Checking this box will export the groups mean.
Group Std. Dev.	Checking this box will export the groups standard deviation.
Workspace Mean	Checking this box will export the workspaces mean.
Workspace Std. Dev.	Checking this box will export the workspace standard deviation.
All Sequences (Normalized)	Checking this box will export each normalized trace within the selected groups. This option also allows you to export the **Events (Normalized)**, which exports the occurrence of each event within the signal.
All Sequences (Time Based)	Checking this box will export each raw trace within the selected groups. This option also allows you to export the **Events (Time Based)**, which exports the occurrence of each event within the signal.

Export Type: Summary Statistics

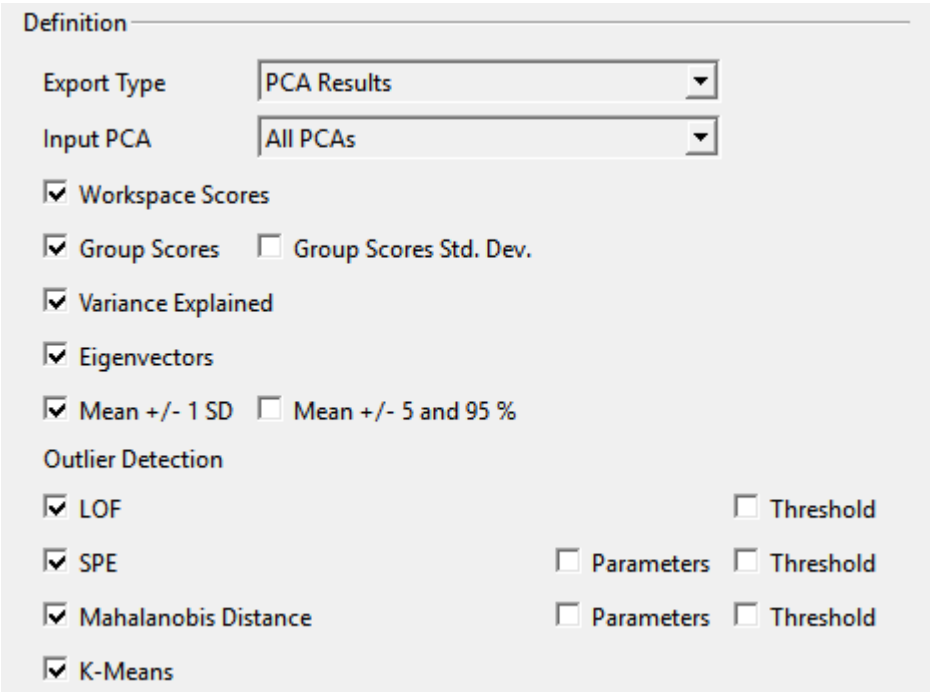


The export type data allows you to export all information related to queries. Again the **Input Data** field allows you to choose what data you want to be exported:

1. All Queried Data - this will export all data that has been queried from the library
2. All Plotted Data - this will export all data that has been visualized on one of the Explore Page's plots
3. Active Plot Data - this will only export data that is on the Explore Page's active plot
4. Highlighted Data - this will only export data that is highlighted

Field	Description
All Workspaces in Group or Selected Workspaces	Choosing Selected Workspaces will only export workspaces that are selected in the groups and workspaces widget.
Calculate results for	This allows you to choose what you want the summary statistics to be calculated for. There are three options: Groups, Workspaces, and Instances.
Mean	This calculates the means of the data you chose. Checking this box also allows you to calculate the **Std. Dev.** of the means.
Minimum	This calculates the minimums of the data you chose. Checking this box also allows you to calculate the **Std. Dev.** of the minimums, and to export the **Event Point** of the minimums.
Maximum	This calculates the maximums of the data you chose. Checking this box also allows you to calculate the **Std. Dev.** of the maximums, and to export the **Event Point** of the maximums.
Extra Options	Checking extra option will only give results if previous options are checked, however this allows you the option to **Add metric columns**, and to **Use normalized data to calculate metrics**.

Export Type: PCA Results



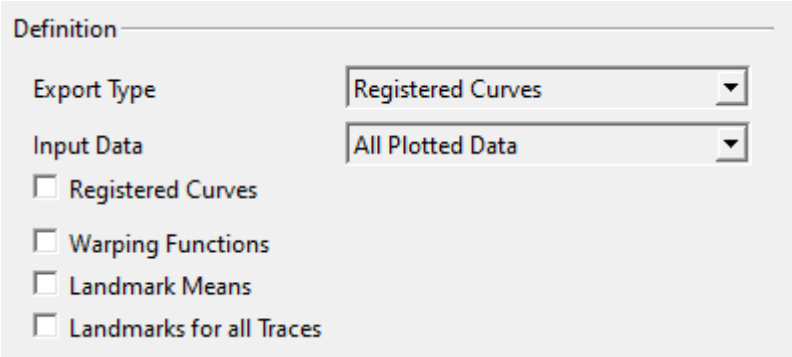
This option allows you to export PCA results.

Field	Description
Workspaces Scores	This will export the workspace score for each groups workspace run in the PCA.
Group Scores	This will export the group score for each group run in the PCA.
Group Scores Std. Dev.	This will export the standard deviation of the group score for each group run in the PCA.
Variance Explained	This will export the variance explained for each PC run in the PCA.
Eigenvectors	This will export the data points of the eigenvectors for each PC.
Mean +/- 1 SD	This will export the mean and +/- 1 standard deviation of the reconstructed PCs.

Field	Description
Mean +/- 5 and 95%	This will export the mean, the 5th and the 95th reconstruction of the PC.
Outlier Detection	
LOF	This will export the outliers from the LOF test.
SPE	This will export the outliers from the SPE test.
Mahalanobis Distance	This will export the outliers from the Mahalanobis test.
K-Means	This will export the outliers from the K-Means test.

Checking the **Parameters** box will export the specific parameters used to run the SPE or Mah outlier tests. Similarly, clicking on the **Threshold** box will include the thresholds for either LOF, SPE, or Mah in the export.

Export Type: Registered Curves

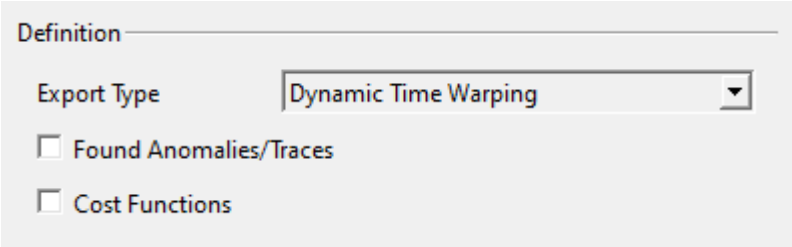


This option will allow you to export all the information related to curve registration. Again the **Input Data** field allows you to choose what data you want to be exported:

1. All Queried Data - this will export all data that has been queried from the library
2. All Plotted Data - this will export all data that has been visualized on one of the Explore Page's plots
3. Active Plot Data - this will only export data that is on the Explore Page's active plot
4. Highlighted Data - this will only export data that is highlighted

Field	Description
Registered Curves	Checking this box will export all the traces of the registered groups.
Warping Functions	Checking this box will export the warping function for each trace in the registered groups.
Landmark Means	Checking this box will export the mean locations of the landmarks the groups were registered to.
Landmarks for all Traces	Checking this box will export the original location of each landmark for each trace.

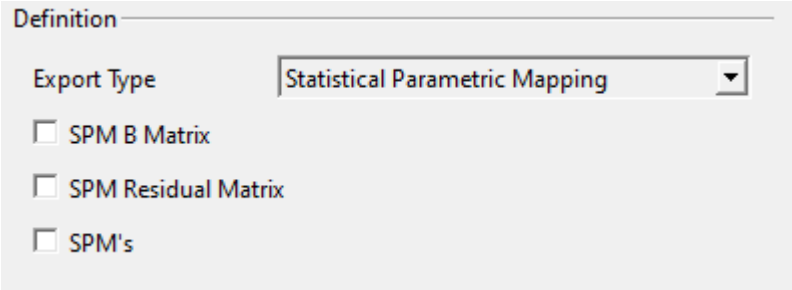
Export Type: Dynamic Time Warping



This option will export the results from DTW.

Field	Description
Found Anomalies/Traces	Checking this box will export the traces that were found in DTW.
Cost Functions	Checking this box will export the cost functions of the traces that were found in DTW.

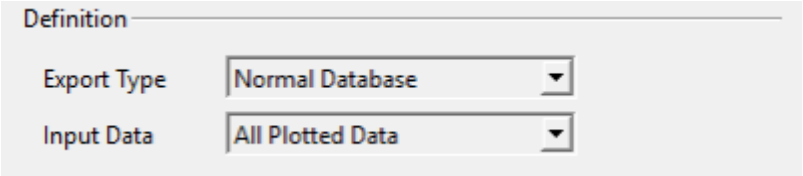
Export Type: Statistical Parametric Mapping / SPM



This option allows you to export results from the SPM analysis module.

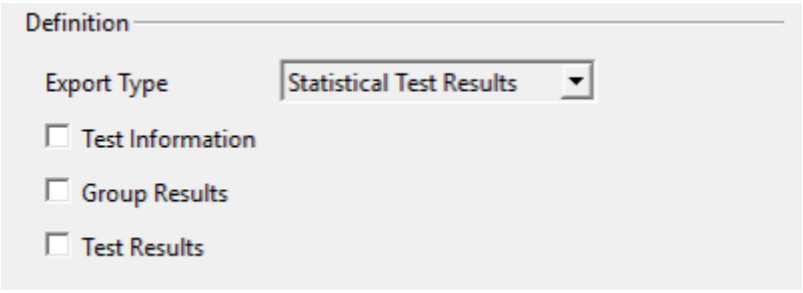
Field	Description
SPM B Matrix	This will export the traces in the B plot.
SPM Residual Matrix	This will export the traces in the Residuals plot.
SPMs	This will export the SPM curve.

Export Type: Normal Database



This option allows you to export queried ND signals

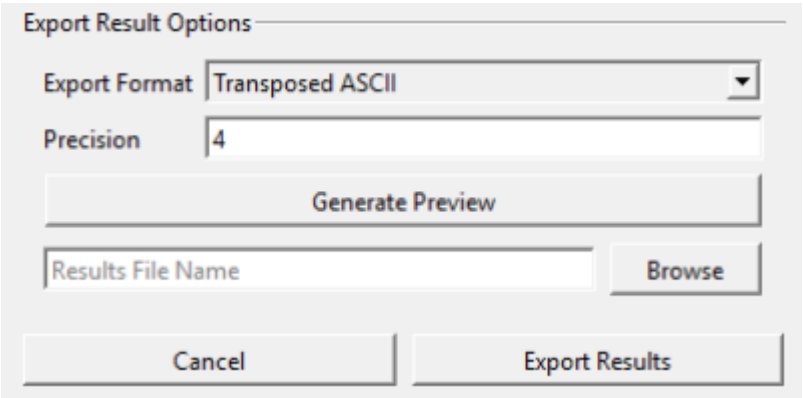
Export Type: Statistical Test Results



This option will export the results from the summary statistics dialog

Field	Description
Test Information	Displays the test name along with the type of statistical test and the significance level
Group Results	For each group and overall the following results will be shown: Mean, Standard Deviation, Standard Error, N
Test Results	Will display: Degrees of Freedom, Pooled Standard Deviation, T Stat, Null Hypothesis

Export Result Options Section



This section allows you to customize how you want the data to look in the exports and to show a preview.

Field	
Export Format	This allows you to pick the format of the text file you want. There are four types of formats: Standard ASCII, Transposed ASCII, SPSS ASCII, P2D, CSV, JSON, and XML.
Precision	This is the number of digits after the decimal point.
Generate Preview	Pressing this button will generate a preview of the export data. This is a good way to check everything is to your liking.
Browse	This allows you to browse your computer's hard drive to select where you want to export your data to.

When the Generate Preview button is clicked, a pop-up window will appear displaying a preview of what is to be exported: