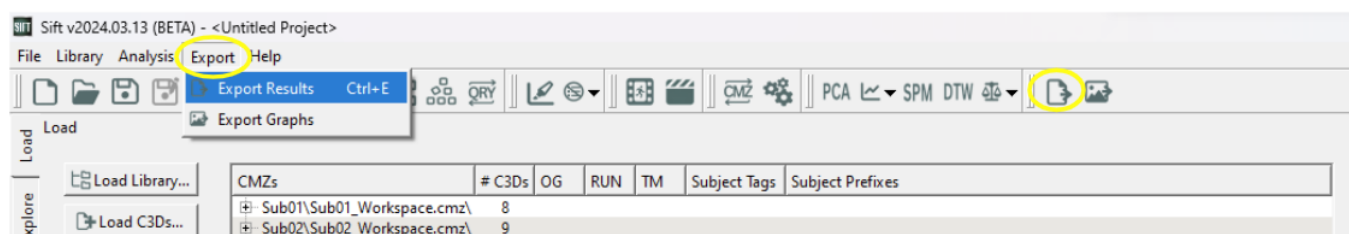


Export Results Dialog

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

The screenshot shows the 'Sift' application window with the 'Export Settings File' dialog box. The dialog is divided into three main sections, each highlighted with a red border and a number:

- Export Settings File (1.)**: This section contains a text field labeled 'Export Settings File:' with a 'Load Export Settings' button next to it. Below this is a section for 'Export text files to folder and filenames:' with a text field 'Export text files to folder:' and a 'Browse' button. At the bottom of this section are three buttons: a plus sign (+), a minus sign (-), and an eraser icon.
- Definition (2.)**: This section contains several dropdown menus and checkboxes. The 'Export Type' dropdown is set to 'Data'. The 'Input Data' dropdown is set to 'Active Plot Data'. The 'Number Points Normalized to:' text field contains the value '101'. Below these are six checkboxes, all of which are unchecked: 'Group Mean', 'Group Std. Dev.', 'Workspace Mean', 'Workspace Std. Dev.', 'All Sequences (Normalized)', and 'All Sequences (Time Based)'.
- Export Result Options (3.)**: This section contains an 'Export Format' dropdown set to 'Transposed ASCII', a 'Precision' text field set to '4', and a 'Generate Preview' button. Below these is a 'Results File Name' text field and a 'Browse' button. At the bottom of the dialog are two buttons: 'Cancel' and 'Export Results'.

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

Definition

Export Type

Summary Statistics

Input Data

All Plotted Data

☒ All Workspaces in Group
☐ Selected Workspaces

Calculate results for

Groups

☒ Mean
☐ Std. Dev.

☒ Minimum
☐ Std. Dev.
☐ Event Point

☒ Maximum
☐ Std. Dev.
☐ Event Point

☒ Extra Options

☐ Add metrics columns

☐ Use normalized data to calculate metrics

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

Definition

Export Type PCA Results

☐ Workspace Scores

☐ Group Scores

☐ Group Scores Std. Dev.

☐ Variance Explained

☐ Eigenvectors

☐ Mean +/- 1 SD

☐ Mean +/- 5 and 95 %

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.
Mean +/- 5 and 95%	This will export the mean, the 5th and the 95th reconstruction of the PC.

Export Type: Registered Curves

Definition

Export TypeRegistered Curves

Input DataAll Plotted Data

☐ Registered Curves

☐ Warping Functions

☐ Landmark Means

☐ Landmarks for all Traces

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

Definition

Export TypeDynamic Time Warping

☐ Found Anomalies/Traces

☐ Cost Functions

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

Definition

Export Type

Statistical Parametric Mapping

☐ SPM B Matrix

☐ SPM Residual Matrix

☐ SPM's

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

Definition

Export Type

Normal Database

Input Data

All Plotted Data

This option allows you to export queried ND signals

Export Type: Statistical Test Results

Definition

Export Type

Statistical Test Results

☐ Test Information

☐ Group Results

☐ 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

Export Result Options

Export Format

Transposed ASCII

Precision

4

Generate Preview

Results File Name

Browse

Cancel

Export Results

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:

Export Preview

Table	1	2	3	4	5	6	7	8	9	10	11	12
	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D	C:\Users\alech\... GROUP_MEAN P2D
Item	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
1	13.8670	10.8819	15.3239	0.7202	8.2487	0.7201	-2.2658	0.6936	0.7798	0.0523	0.0006	
2	15.4296	10.1028	16.1889	3.1321	-0.3388	0.6822	-8.7297	-8.8078	0.3627	0.0098	0.0008	
3	12.9721	9.2425	10.8887	5.8773	-1.8524	0.8171	-12.4388	-3.8884	0.2759	0.0183	0.0008	
4	12.5177	8.2252	14.7533	7.9604	-2.8255	0.4571	-17.8723	-7.2851	0.3877	0.0155	0.0008	
5	12.2636	6.7146	14.8714	8.7148	-0.7886	0.8071	-11.7621	-18.6887	0.1988	0.0214	0.0006	
6	12.1620	6.1918	14.8385	7.4270	-5.2859	0.1542	-24.2797	-12.3423	0.3055	0.0277	0.0000	
7	12.1142	5.1100	13.3385	3.7115	-6.3805	0.8801	-27.9819	-12.1733	0.8514	0.0347	-0.0007	
8	12.7586	4.2985	10.9331	-3.9887	-4.3025	0.2188	-16.7583	-8.9625	0.8867	0.0480	-0.0013	
9	13.4710	3.6502	12.4811	-16.7783	-5.7879	-8.0231	-54.4534	-8.8810	0.7465	0.0534	-0.0016	
10	14.4478	3.1118	11.8258	-21.0332	-6.8146	-4.2883	-62.8832	-4.4821	0.6788	0.0637	-0.0015	
11	15.6189	2.7914	11.2643	-22.4871	-5.8910	-8.2198	-130.5788	-1.4841	0.5505	0.0788	-0.0010	
12	16.8714	2.5854	10.8883	-45.3853	-2.3174	0.1324	-154.5740	-8.8308	0.8007	0.0893	0.0000	
13	18.4812	2.4886	10.4838	-88.8881	-0.8736	0.7883	-210.8423	-5.1881	1.2712	0.1112	0.0010	
14	19.8877	2.4687	10.1188	-75.8738	8.3274	1.7383	-254.4471	-2.7623	1.8718	0.1262	0.0016	
15	21.3230	2.5885	8.8118	8.3274	1.5525	2.0449	-391.5738	-3.1745	1.8071	0.1386	0.0012	
16	22.7226	2.8807	8.3921	-162.0818	2.7624	4.2111	-417.7817	-4.2886	1.7880	0.1511	-0.0004	
17	24.0113	2.7704	8.3287	-176.1773	3.8320	5.4752	-520.3820	-5.2298	1.7114	0.1598	-0.0024	
18	25.2184	2.6589	8.1274	-138.0873	4.8810	6.6754	-613.8425	-6.7103	0.5828	0.1686	-0.0032	
19	26.2881	3.0005	8.9844	-143.0085	6.2438	7.7842	-788.8848	-6.8887	-1.4887	0.1788	-0.0088	
20	27.1234	3.1813	8.8288	-154.7261	7.6278	8.6532	-954.9425	-7.1480	-3.1001	0.1720	-0.0130	
21	27.7812	3.2775	8.7275	-164.8248	8.7881	9.3434	-108.1796	-8.3888	-6.0338	0.1736	-0.0132	
22	28.0881	3.5882	8.5328	-173.2523	10.7742	9.8986	-159.8131	-8.8879	-10.8743	0.1888	-0.0214	
23	28.2887	3.8219	8.5233	-178.5432	12.4438	10.6121	-7.1136	-8.2554	-6.0273	0.1644	-0.0254	
24	28.2373	4.0888	8.3777	-183.5888	14.1151	9.3188	101.2288	-6.7627	-1.0280	0.1764	-0.0388	
25	27.8883	4.3258	8.6781	-189.3414	15.7489	8.8432	228.3887	-7.4823	-7.2375	0.1484	-0.0314	
26	27.3812	4.5825	8.6747	-194.2183	17.2175	8.0858	327.2385	-8.2388	-7.3888	0.1345	-0.0380	
27	26.9884	4.8513	8.2718	-198.8889	18.7683	7.1118	488.5507	-7.9488	-7.8888	0.1214	-0.0333	
28	25.2848	5.0888	8.6188	-175.1388	20.8708	6.0511	547.1988	1.8854	-7.1542	0.1075	-0.0332	
29	23.7848	5.2888	10.2531	-167.2785	23.1788	4.9855	627.4702	5.8855	-6.0338	0.0833	-0.0321	
30	21.8530	5.4888	10.5781	-151.4318	25.8917	3.7843	685.8782	10.3218	-6.7838	0.0788	-0.0308	
31	19.8737	5.5824	11.1848	-148.1572	28.3912	2.7321	715.8525	14.6477	-4.5885	0.0684	-0.0287	
32	17.5338	5.6838	11.6262	-133.8816	32.3884	1.8232	718.8742	18.4842	-3.2862	0.0544	-0.0266	
33	14.8793	5.6888	12.9875	-124.4188	37.8888	1.0780	687.8844	21.8887	-2.0811	0.0438	-0.0243	
34	12.2488	5.5583	13.3887	-108.8838	45.1811	0.4818	855.8258	23.1348	-0.8770	0.0347	-0.0214	
35	9.3788	5.4838	14.1888	-88.3888	54.8888	0.2888	586.8888	23.4888	0.2875	0.0288	-0.0188	
36	6.4418	5.1787	14.8888	-68.3888	68.1888	0.2778	525.8888	23.5718	0.8882	0.0208	-0.0168	
37	3.4848	4.9308	15.7137	-47.8738	78.1288	-0.4273	448.3248	30.3881	0.3888	0.0132	-0.0148	
38	0.4881	4.6834	16.4788	-28.1788	93.8881	-0.4781	387.8887	31.2817	0.8887	0.0138	-0.0143	
39	-2.7777	4.1575	17.0888	-8.5438	113.5213	-0.2788	287.5448	31.8888	0.8298	0.0083	-0.0102	

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