

SasView 5.0 GUI testing protocol

Main Window:

	Expected Outcome
Start application	Application opens Fit Panel visible Data Explorer visible Log Explorer visible
Switch Data Explorer to Theory	Theory tab visible
Switch back to Data	
Click on Perspective choice combobox and cycle through perspectives	All perspectives should show up accordingly
Go back to Fitting perspective	

Tools:

	Expected Outcome
Open Tools/Data Operation	Data Operation dialog opens
Open SLD Calculator	Calculator dialog opens
Open Slit Size Calculator	Calculator dialog opens
Open Kiessig Thickness Calculator	Calculator dialog opens
Open Q Resolution Estimator	Estimator dialog opens
Open Generic Scattering Calculator	Calculator dialog opens
Open Python Shell/Editor	IPython window opens as part of the main canvas
Open Image Viewer	Viewer dialog opens
Open File Converter	Converter dialog opens
Close all opened calculators	Calculators close without any messages in Log Explorer

File menu:

	Expected Outcome
Open File/Load Data File(s)	Choose files dialog opens
Click Cancel	Choose files dialog closes
Open File/Load Data Folder	Choose a directory dialog opens
Click Cancel	Choose a directory dialog closes
Open File/Open Project	Open Project dialog opens
Click Cancel	Open Project dialog closes
Open File/Open Analysis	Open Analysis dialog opens
Click Cancel	Open Analysis dialog closes
Open File/Save Project	Save Project dialog opens
Click Cancel	Save Project dialog closes
Open File/Save Analysis	Save As dialog opens

	Default file name: FitPage1.fitv
Click Cancel	Save As dialog closes
Open File/Quit	Information dialog opens
Click No	Information dialog closes SasView remains open

Edit:

	Expected Outcome
Open Edit/Save Params to File	Save Project dialog opens Default extension: .txt
Click Close	Dialog closes
Open Edit/Report Results	Report: Fitting dialog opens
Click Close	Report: Fitting dialog closes

View:

	Expected Outcome
Click View/Show Toolbar	Application toolbar shows
Click View/Hide Toolbar	Application toolbar disappears
Click View/Hide Data Explorer	Data Explorer closes
Click View/Show Data Explorer	Data Explorer appears in the same location
Click View/Hide Log Explorer	Log Explorer closes
Click View/Show Log Explorer	Log Explorer appears in the same location

Analysis:

	Expected Outcome
Click Analysis/Correlation Function	Current perspective changes to "Corfunc" Combobox next to "Send data to" changes to "Corfunc"
Click Analysis/Invariant	Current perspective changes to "Invariant" Combobox next to "Send data to" changes to "Invariant"
Open Analysis/Pr Inversion	Current perspective changes to "P(r) Inversion" Combobox next to "Send data to" changes to "Inversion"
Open Analysis/Fitting	Current perspective changes to "Fit Panel" Combobox next to "Send data to" changes to "Fitting"

Fitting:

	Expected Outcome
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Click Fitting/New Page	New tab named „FitPage2” appears in the Fit panel
Click Fitting/Constrained or Simultaneous Fit	New tab named “Cons. Simul. Fit” appears in the Fit panel
Click Fitting/Show Grid Window	Batch Fitting Results dialog opens
Click Fitting/Fit Algorithms	Fit Algorithm dialog opens
Click Fitting/GPU Option	OpenCL Options dialog opens
Click Fitting/Fit Results	An empty window opens
Click Fitting/Category Manager	Category Manager dialog opens
Click Fitting/Add Custom Model	Model Editor dialog opens
Click Fitting/Edit Custom Model	Model Editor dialog opens (empty)
Click Fitting/Manage Custom Models	Plugin Manager dialog opens
Click Fitting/Add Multiply Models	Easy Add/Multiply Editor dialog opens
Click Fitting/Edit Mask	An error dialog opens “Error: cannot apply mask. Please select a 2D dataset.”
Click OK on the error dialog	Error dialog closes
Close all open Fitting dialogs	No error/warning present in Log Explorer

Help:

	Expected Outcome
Click Help/Documentation	Browser tab opens with “SasView Documentation Index”
Click Help/Tutorial	Browser tab opens with “Tutorials”
Click Help/Model Marketplace	Browser tab opens on “marketplace.sasview.org”
Click Help/Acknowledge	Acknowledging SasView dialog opens
Close Acknowledge dialog	Dialog closes
Click Help/About	About dialog opens
Click Help/Welcome to SasView	Welcome widget opens
Click Help/Check for update	Message in Log Explorer shows results of the remote version check
Close About and Welcome to SasView dialogs	No error/warning present in Log Explorer