

TIBCO Spotfire® Clinical Graphics

Release Notes

*Software Release 2.2
August 2012*

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Preface

These release notes are for TIBCO Spotfire® Clinical Graphics (TSCG) August 2012. They cover UNIX®, Linux®, and Microsoft Windows® server installations, as well as Microsoft Windows client installations.

TSCG is a graphical user interface (GUI) application you can use to create and display graphs from server-wide and local data sources. You can manage and modify graphs, store information about your graphs on a server, and create your own customized graph templates. You can use the TSCG application's features to:

- Save settings on existing graphs.
- Manage existing graph metadata and study information.
- Apply and customize formatting and save formatting options as themes.
- Parameterize settings of existing graphs.
- Generate new graph templates.
- Define graphs to use in production or presentations.

Getting Help with TIBCO Spotfire Clinical Graphics

From the main menu, click **Help -> TIBCO Spotfire Clinical Graphics Help**. This takes you to the Infocenter Help system, which displays a table of contents, index, and search tabs for easy navigation.

Getting Help with Graphs

If you need information on a graph, make sure the graph is in focus by selecting it in the user interface, and then press F1. This displays help for the selected graph template, including a description of the graph template, its typical use, and how to customize it (that is, how to change its plot color, line type, symbol size, and so on).

Getting Help with Dialogs

If you need information on a dialog (for example, **Graph -> Reference & Fit Lines**) make sure the dialog is in focus (for example, select its title bar), and then press F1. This displays help on the dialog, including providing details on setting options in the dialog.

More Information

Getting started with graphs, see **TIBCO Spotfire Clinical Graphs**.

Getting started with the TSCG user interface, see **TSCG User Interface Help**.

Supported Platforms, System Requirements, and Installation

Client Platforms

The TSCG client is supported for Microsoft Windows XP (with SP3), Windows Vista Pro (with SP1 or higher), and Windows 7 Pro.

Before installing the TSCG client, you must first have installed Microsoft .NET Framework version 4. You can download the Microsoft .NET Framework from the following site:

http://www.microsoft.com/en-us/download/details.aspx?id=17851&WT.mc_id=MSCOM_EN_US_DLC_DETAILS_131Z4ENUS22003

(Microsoft .NET Framework 4).

NOTE Microsoft .NET Framework requires Administrator rights to complete installation. See your system administrator if you have questions about the Microsoft .NET Framework requirements.

Server Platforms

Requires TIBCO Spotfire Statistics Services version 4.5. For more information about the supported platforms and system requirements, as well as instructions for installing all required TSCG Server components, refer to the TIBCO Spotfire Clinical Graphics Server Installation and Configuration Guide PDF installed with the product. Also see the ***TIBCO Spotfire Statistics Services Administration Guide***, included in the **SPSERVER_HOME/docs** directory of your server installation, for more information about setting up the TSCG Server with Spotfire Statistics Services.

Note: TIBCO Spotfire Clinical Graphics is no longer supported on the Solaris platform.

Uninstalling the TSCG Server

Run `TSCG_HOME/Uninstall_TSCG/Uninstall_TSCG`.

Note: TIBCO Spotfire Statistics Services must be running to uninstall TSCG Server.

Topics

- [Typographical Conventions](#), page viii
- [Connecting with TIBCO Resources](#), page xi

Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>TIBCO_HOME</i> <i>ENV_HOME</i> <ProductAcronym>_HOME	<p>Many TIBCO products must be installed within the same home directory. This directory is referenced in documentation as <i>TIBCO_HOME</i>. The default value of <i>TIBCO_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco.</p> <p>Other TIBCO products are installed into an <i>installation environment</i>. Incompatible products and multiple instances of the same product are installed into different installation environments. An environment home directory is referenced in documentation as <i>ENV_HOME</i>. The default value of <i>ENV_HOME</i> depends on the operating system. For example, on Windows systems the default value is C:\tibco.</p> <p>For more detailed information about the installation directories for TIBCO Spotfire Clinical Graphics, see the Introduction in Chapter 1 of the TIBCO Spotfire Clinical Graphics Installation and Administration Guide.</p>
code font	<p>Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:</p> <p>Use <code>MyCommand</code> to start the foo process.</p>
bold code font	<p>Bold code font is used in the following ways:</p> <ul style="list-style-type: none">• In procedures, to indicate what a user types. For example: Type admin.• In large code samples, to indicate the parts of the sample that are of particular interest.• In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [enable disable]
italic font	<p>Italic font is used in the following ways:</p> <ul style="list-style-type: none">• To indicate a document title. For example: See <i>TIBCO Spotfire Clinical Graphics Installation and Administration Guide</i>.• To indicate a variable in a command or code syntax that you must replace. For example: <code>MyCommand PathName</code>

Table 1 General Typographical Conventions (Cont'd)




Convention	Use
Key combinations	<p>Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.</p>
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.
	The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Table 2 Syntax Typographical Conventions

Convention	Use
[]	<p>An optional item in a command or code syntax.</p> <p>For example:</p> <p><code>MyCommand [optional_parameter] required_parameter</code></p>
	<p>A logical OR that separates multiple items of which only one may be chosen.</p> <p>For example, you can select only one of the following parameters:</p> <p><code>MyCommand para1 param2 param3</code></p>

Table 2 Syntax Typographical Conventions

Convention	Use
{ }	<p>A logical group of items in a command. Other syntax notations may appear within each logical group.</p> <p>For example, the following command requires two parameters, which can be either the pair <code>param1</code> and <code>param2</code>, or the pair <code>param3</code> and <code>param4</code>.</p> <pre>MyCommand {param1 param2} {param3 param4}</pre> <p>In the next example, the command requires two parameters. The first parameter can be either <code>param1</code> or <code>param2</code> and the second can be either <code>param3</code> or <code>param4</code>:</p> <pre>MyCommand {param1 param2} {param3 param4}</pre> <p>In the next example, the command can accept either two or three parameters. The first parameter must be <code>param1</code>. You can optionally include <code>param2</code> as the second parameter. And the last parameter is either <code>param3</code> or <code>param4</code>.</p> <pre>MyCommand param1 [param2] {param3 param4}</pre>

Connecting with TIBCO Resources

How to Join TIBCOCommunity

TIBCOCommunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOCommunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

How to Access All TIBCO Documentation

You can access TIBCO documentation here:

<http://docs.tibco.com>

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.

Release Notes

Check the TIBCO Product Support web site at <https://support.tibco.com> for product information that was not available at release time. Entry to this site requires a username and password. If you do not have a username, you can request one. You must have a valid maintenance or support contract to use this site.

Topics

- [New Features, page 2](#)
- [Changes in Functionality, page 5](#)
- [Deprecated and Removed Features, page 6](#)
- [Migration and Compatibility, page 7](#)
- [Closed Issues, page 8](#)
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New Features

This section lists features added since the last major (2.1.0) release of this product.

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The following are new features in this release.

- **Modified datasets refresh.** TSCG refreshes column lists in the Plot Elements tab so you do not have to restart the TSCG client to see new columns added to a reimported data set.
- **Option to include or exclude Page By titles.** If your graph uses the Page By feature, you can elect to include the Page By Label - Page By Value in the graph title.
- **Option to include or exclude page numbers.** You can opt to include or exclude the text "Page X of Y" (where X is the current graph page and Y is the total page count). The default setting for this option is controlled by the TIBCO Spotfire Clinical Graphics server-side **conf.xml** file, and by default, is set to **TRUE** on installation. To change the server-side default, see your server administrator.
- **Templates allow customized page margins, graph table margins** If you create a custom template with customized page margins, these margins are read and preserved in the Page Setup dialog. (Page size is still determined by the options specified in **Tools > Options > Interface**.)
- **Options added for Double Dot plot axis free scale relation.** If you create a double dot plot with the second axis set with a free scale relation, you can now set options for its minimum and maximum value, its tick intervals, locations, and numbers, and whether it has symmetric scales.
- **Default Reference Lines in Double Dot Plot are editable plot elements.** The default vertical reference line and grouped reference lines in the double dot plot have been added to the **Plot Elements** dialog so they can be changed or removed.
- **Upper and Lower Intervals are Plotted Independently of Each Other** You can now set either an upper or a lower interval, or both.
- **Axis Scale Extension Available to Non-Numeric Formats** You can now set the axis scale **Extension** value for non-numeric formats, which allows for greater control in axis spacing beyond minimum and maximum values.

- **Line Formatting Available in Format Plot Elements Dialog** Rather than just being able to format a line connecting points via the toolbar, you can now format the line in the **Format Plot Elements** dialog.
- **Offsetting Available for Points Groups** the Points element now includes the ability to overly groups, or to cluster the groups by offsetting.
- **Subsetting Extended Availability** The following plot elements now support subsetting by data within a column: confidence intervals, intervals, lines, points, summary labels, summary tables, and text.
- **Category Order now supports a By - Decode option** With the new **Decode** option, you can apply a numeric category to the axis tick marks so they are drawn at relative locations.
- **Additional options added to Confidence Interval plot element for simple mean/median + error bars.** Some of these options use a quantile method for calculation, so you can now specify a quantile method option for the Confidence Interval plot element. The options include:
 - median and t-test
 - mean and normal distribution
 - median and normal distribution
 - median and standard deviation
 - mean and standard error
 - median and standard error

For more information about these new options, see the **Plot Elements** reference in Help.

- The following graph types now have the corresponding plot elements available for a customized template (See **Plot Elements Available** in the TSCG Help for more information):
 - **Bar chart:** Line, Text, Reference Arrow, Reference Curve.
 - **Area Bar chart:** Reference Arrow, Reference Curve.
 - **Box Plot:** Summary Table, Reference Arrow, Reference Curve, Reference Point, Reference Text.
 - **Delta plot** (Horizontal and Vertical): Summary Table, Reference Arrow, Reference Curve.
 - **Forest plot:** Reference Arrow, Reference Curve, Reference Point, Reference Text.
 - **Histogram:** Reference Arrow, Reference Curve, Reference Point, Reference Text.
 - **Population Pyramids** (Horizontal and Vertical): Reference Arrow, Reference Curve.
- The following graph types now have the corresponding plot elements added to the optional plot elements (See **Plot Elements Reference** in the TSCG Help for more information):
 - **Area Bar chart:** Summary Table.
 - **Area plot:** Summary Table, Reference Arrow, Reference Curve.
 - **Bar chart:** Reference Point, Reference Text.
 - **Dot plot:** Text.
- In the TSCG client, using the **Graph Table** page of the **Page Setup** dialog, you can now set the column and row ratio. Using this setting, you can specify how much space is allotted to either a column or a row. For example, by default, Double Dot plot column ratio is set to 1,0.6 (where 1,1 displays equally-sized plots). The column and row ratio default for trellis plots is 1. See the TSCG Help for more information.
- You can now specify the number of rows to display in a legend with a horizontal orientation. (Vertical orientation displays items in columns down and then across; Horizontal orientation displays items in rows across and then down.)
- You can now add a column from the data as a margin element.

Changes in Functionality

There are no changes in functionality in this release.

Deprecated and Removed Features

TSCG Server is no longer supported on the Solaris platform.

Migration and Compatibility

This section explains how to migrate from a previous release to this release.

Release 2.2

To update to version 2.2 from a previous version, read and follow the instructions to back up, uninstall, and reinstall TIBCO Spotfire Clinical Graphics in the *TIBCO Spotfire Clinical Graphics Installation and Administration Guide*.

TIBCO Spotfire Clinical Graphics client requires upgrading Microsoft .NET 3.5 to Microsoft .NET 4.0. For more information, see [Supported Platforms, System Requirements, and Installation on page vi](#).

Closed Issues

The table in this section list issues that were closed in the named releases.

Closed in Release	Key	Summary
2.2.0	TSCG-3706	The SAS macros <code>tscg_histogram</code> and <code>tscg_populationpyramid</code> now contain a parameter to allow drawing a normal distribution line on the plot.
2.2.0	TSCG-4019	The SAS macro <code>tscg_forestplot</code> now contains a parameter to allow varying color and fill by group.
2.2.0	TSCG-4092	Reference lines specified by value all had the same style. Now, using the Format Plot Elements option, you can apply different styles to each such reference line.
2.2.0	TSCG-4120	Survival Curve plots and Kaplan Meier plots now have the option to apply an offset intervals plot element between 0 and 1.
2.2.0	TSCG-4114	The Double Dot plot now has separate point plot elements for each X column specified. Point plot elements for Column 2 are not affected by group coloring. By default, the color and the intervals for Column 2 is black, and the intervals are not displayed in the legend.
2.2.0	TSCG-4121	Jittering has been improved in Survival Curve and Confidence Interval plots to show equal offsetting for both lines, rather than just one line, in relation to the axis ticks.
2.2.0	TSCG-4123	Previously, when you exported a graphic and selected another format, the file extension for the graphic would not change. Now, the file extension changes to reflect your selected export type.
2.2.0	TSCG-4125	Changes to text formatting would sometimes result in the title, subtitle, footer, or header being extremely tiny. This issue is corrected.
2.2.0	TSCG-4126	Creating a trellis line plot, dot plot, or scatterplot with a free scale on the Y axis could result in points drawn outside of the plot. This issue is corrected.
2.2.0	TSCG-4127	Previously, editing the field value format specifying date was not possible. Now, this value is available to edit in conf.xml . By default, the date format is set to DD MMM YYYY (for example, 17 Oct 2012).

Closed in Release	Key	Summary
2.2.0	TSCG-4132	Intervals overlaying bars did not display properly, but overlaid each other in the middle of the X category. To correct this behavior, the offset default is now set to 1.
2.2.0	TSCG-4138	If you specified margin elements and also displayed the legend in the graph, the legend would overlap the margin elements. This issue has been fixed.
2.2.0	TSCG-4144	Previously, changing the symbol of an outlier would inadvertently cause other symbols to change size. This issue has been fixed.
2.2.0	TSCG-4146	Density line styles for margin elements have been updated to match those used in the plot.
2.2.0	TSCG-4148	For bar charts, annotations specified to be outside and top would appear inside a bar that reflects a negative value. Now, such an annotation appears outside the bar.
2.2.0	TSCG-4149	Selecting multiple Page By items now displays only those items that have combinations in the data.
2.2.0	TSCG-4150	Custom ticks are now displayed for graphs with non-linear axes.
2.2.0	TSCG-4154	The Text Count margin element now gives correct counts for both the X and Y values when data is missing.
2.2.0	TSCG-4157	Forest plots no longer display a warning if no summary row is specified.
2.2.0	TSCG-4161	Previously, TSCG would report an error for a dataset with a large character or factor column and a large number of unique levels. This issue has been corrected.
2.2.0	TSCG-4162	The TSCG client no longer returns an error message when uploading a large file. Rather, it now streams (rather than buffers) the data; and does not time out.
2.2.0	TSCG-4168	In a KM plot, you can now match text colors to graph representation of colors.
2.2.0	TSCG-4169	Trellis graphs would not maintain their customized strip placement when data selection changed. This issue has been corrected.

Closed in Release	Key	Summary
2.2.0	TSCG-4171	Previously, if you were using Manual Rendering, and you changed the formatting properties of plot elements in the Format Plot Elements dialog, clicking Apply and then Render did not display your changes. This issue has been fixed.
2.2.0	TSCG-4172	Previously, Text and Reference Text elements did not display correctly for NA values, or for trellising or paging. These issues have been fixed.
2.2.0	TSCG-4173	The warning for improperly nested <code>gom.areabars</code> has been updated to display the appropriate message in the Command Log .
2.2.0	TSCG-4174	The Text plot element did not display correctly when there were different groups in different panels. This issue has been corrected.
2.2.0	TSCG-4176	Elements were not sufficiently assigned unique colors and symbols; rather, the colors and symbols would combine and repeat within just eight recurrences. This issue has been corrected.
2.2.0	TSCG-4177	On a multiple-page plot, with the option Include All Groups on All Pages cleared, sometimes changing the group color and style properties would result in the legend becoming out of sync with the groups displayed on the pages. This issue has been fixed.
2.2.0	TSCG-4188	For a trellis or multiple-page graph with intervals applied, sometimes intervals would not display correctly throughout the panels or pages. This issue has been corrected.
2.2.0	TSCG-4195	TSCG 2.2 requires TSSS 4.5, which fixes the following issues, among others: <ul style="list-style-type: none"> - Passwords no longer displayed in log files as clear text. - Cancelling a job from the TSCG client cancels it on the server. - LDAP issues have been resolved.
2.2.0	TSCG-4197	Themes created using Save As Theme in the TSCG client no longer incorrectly align Y-axis major tick labels when applied to a graph.
2.2.0	TSCG-4200	Previously, saving a file to a drive letter without specifying a path or file name could result in an error. This issue has been corrected.
2.2.0	TSCG-4201	When you created trellis panels with labels on the left side of the graph, the labels would overlap the Y axis labels. This issue has been corrected.

Closed in Release	Key	Summary
2.2.0	TSCG-4209	When you changed the font style, the font size could sometimes be set to an unknown value. This issue has been resolved.
2.2.0	TSCG-4211	TSCG would try to determine the decoded string column by a numeric column. This issue has been fixed.
2.2.0	TSCG-4219	When you changed the font size, the font style could sometimes be ignored. This issue has been fixed.
2.2.0	TSCG-4220	Forest plot help description of intervals was confusing. The text has been clarified.
2.2.0	TSCG-4222	TSCG Client login and startup polling interval has been lengthened to decrease initial information requests and improve startup experience.
2.2.0	TSCG-4227	If you created a trellis graph with more than one outer strip, the second strip drew incorrectly. This issue has been fixed.
2.2.0	TSCG-4228	If you disabled the Y axis, the Y-axis labels would still appear in a graph using dots, bars, or boxplot. This issue has been fixed.
2.2.0	TSCG-4234	The Confidence Interval plot element Confidence Fit Value did not affect the Confidence Interval lines. This issue has been fixed.
2.2.0	TSCG-4247	Copying output files using the <code>tscg_subplot</code> macro used wildcards, and subsequently copied unwanted files. This issue has been corrected.

Known Issues

The table in this section lists known issues in this release.

Key	Summary/Workaround
TSCG-01	<p>Summary Upgrading from a previous version.</p> <p>When you upgrade, you must manually delete the client's Application Data directory. This directory contains temporary client configuration and data files that are not removed by the uninstaller and can interfere with the new client application functionality if they are not removed.</p> <p>On Windows XP, this directory is located at C:\Documents and Settings\username\Application Data\TIBCO\TIBCO Spotfire Clinical Graphics.</p> <p>On Windows Vista and Windows 7, this directory is located at C:\Users\username\AppData\Roaming\TIBCO\TIBCO Spotfire Clinical Graphics.</p>
TSCG-02	<p>Summary Manage Paths is slow to respond to an invalid UNC path.</p> <p>When you are managing paths, if you provide a UNC path that does not exist, the client can appear unresponsive, because the client is attempting to check if the path is valid. You can prevent this problem by ensuring that all UNC paths used by the client exist.</p>
TSCG-03	<p>Summary Manage Paths selections are not retained between TSCG client sessions.</p> <p>The following problem occurs if you have uninstalled a previous version of TSCG and installed this version.</p> <p>If you use the Manage Paths dialog boxes to add paths to other locations, and then when you restart TSCG, you notice the paths are not persisted in your path lists, you have encountered a problem with an undeleted configuration file from your previous version.</p> <p>To fix this problem:</p> <p>Browse to the following directory and delete the .config configuration file:</p> <p>C:\Documents and Settings\username\Application Data\TIBCO\TIBCO Spotfire Clinical Graphics.</p> <p>Restart TSCG.</p> <p>Re-add your paths using the Manage Paths dialogs.</p> <p>Your paths should persist correctly in future TSCG sessions.</p>

Key	Summary/Workaround
TSCG-04	<p>TSCG Authentication and SAS Integration.</p> <p>SAS provides no good native mechanism for securely handling credentials required for connections to other systems, such as databases or HTTP servers. Because of these issues regarding the protection of credentials in SAS, the SAS integration macro library does not include built-in support for authentication on a TSCG server.</p> <p>If you need to implement the SAS macros in conjunction with a TSCG server that uses authentication, contact TIBCO Spotfire Professional Services for assistance.</p>
TSCG-05	<p>SAS Connector requires changing the verbose logging default.</p> <p>You must change the setting for verbose logging from <code>false</code> (the default) to <code>true</code>, or the SAS Connector reports the following error message near the end of your SAS log:</p> <p>ERROR: Invalid reply received from the HTTP server. Use the debug option for more info.</p> <p>NOTE: The SAS System stopped processing this step because of errors.</p> <p>You can confirm this is the issue by using a browser to view the following URL and checking the setting for <code>splus.server.engine.verbose.log</code>:</p> <p><code>http://<TSCG Server:Port>/SplusServer/api/v8/administration/ExtendedServerInfo</code></p> <p>(where <code>http://<TSCG Server:Port></code> is your server name and port number)</p> <p>In the example results shown below, verbose logging is set to the default of <code>false</code> and the SAS error listed above is displayed for all jobs:</p> <pre>splus.server.engine.type=SPLUS splus.engine.build=B9886 splus.engine.version=8.2.1 splus.server.engine.max.requests=1 splus.server.engine.verbose.log=false splus.server.build.date=Thu May 10 15:05:59 PDT 2012 splus.engine.build.date=Mon Apr 30 23:45:04 2012 splus.server.engine.max.run=0 splus.server.engine.count=2 splus.server.build=2325 splus.server.version=9.5.0</pre>
TSCG-06	<p>On UNIX, if your pathname contains a tilde character, <code>tscg_subplot</code> and <code>tscg.creategraph</code> macros may fail.</p>

