DeltaGraph 4.5 ReadMe

Overview:
This document describes new features and enhancements included in DeltaGraph 4.5.
This release is available for the Macintosh only.   For more DeltaGraph product
information or to join our list serve please visit
<http://www.spss.com/software/deltagraph/>.

In this ReadMe -
DEL------------
I. New and Updated 4.5 Features

1.   New Installer

2.   QuickTime Version 3 Import and Export Support

3.   New Chart Types

4.   Apple Computer Navigation Manager Support

5.   Enhanced AppleScript Support

6.   Excel 97/98 Data Import

7.   Data View New Label Row and Column Cells

8.   Reorganized Axis Dialog Boxes

9.   Improved DeltaSymbol User Interface

10. Equation Editor Upgrade

11. PANTONE® Color System Support*

12. Spot Color Separation Support*

13. ColorSync 2.5.1 Support*

14. MRU Support

15. Other User Interface Enhancements

II. Known Issues and Work-Arounds

*Only available in full version

****

I. New and Updated 4.5 Features:
The following paragraphs describe new and updated features.

1. New Installer
The new installer uses Installer Vise version 5.5, a robust and flexible
installation package that can search for previously installed components
and⌈DEL⌉⌈DEL⌉⌈DEL⌉⌈DEL⌉⌈DEL⌉⌈DEL⌉⌈DEL⌉⌈DEL⌉⌈DEL⌉⌈DEL⌉
replace them with the appropriate new component. This installer ⌈DEL⌉provides
more control over where and when components are ⌈DEL⌉installed.

2. QuickTime Version 3 Import/Export Support
Apple Computer's QuickTime technology is integrated into the product. For
this release all graphic import and export (with the exception of the PICT
and EPS formats) use QuickTime version 3.0. Be sure to install QuickTime 3.0
using the QuickTime Installer on the DeltaGraph 4.5 CD or other media.

Import:

* Adobe PhotoShop [.PSD]

* GIF [.GIF]

* JPEG [.JPG]

* Macintosh Picture [.PIC]
(Non-QuickTime file format)

* MacPaint [.PNT]

* PNG [.PNG]

* QuickDraw GX (if QuickDraw GX is installed) [QDG]

* QuickTime Image File [.QTI]

* Silicon Graphics [.SGI]

* Targa [TGA]

* TIFF [TIF]

* Encapsulated PostScript [EPS]   (Non-QuickTime file format)

Export:

* Macintosh Picture [.PIC]
(Non-QuickTime file format)

* QuickTime Image File [.QTI]

* Adobe PhotoShop [.PSD]

* JPEG [.JPG]

* Windows Bitmap [.BMP]

* Encapsulated PostScript [EPS]   (Non-QuickTime file format)

3. New Chart Types
The following new chart types are included in this release:

*** New Base Chart Types ***

* Volume-Open-High-Low-Close

Five columns of data per series. The first contains volumes,
the second contains open values, the third contains high values,
the fourth contains low values, and the fifth contains closing values.

* Intensity Scatter

Three columns of data for the first series, two columns for each
series thereafter. The first column selected contains X coordinates
for all series. Additional columns selected provide the Y coordinates
and Z intensity values for each series. Both axes are value axes.

* Paired Intensity Scatter

Three columns of data per series. The first contains X coordinates,
the second contains corresponding Y coordinates, and the third
contains Z color intensity values. Each series contains independent
X and Y coordinates. Both axes are value axes.

* Floating Stacked Column

First data column is the baseline and each subsequent data column
is stacked in series. Categories are placed on the X axis; values
on the Y axis.

* Floating Stacked Bar

First data column is the baseline and each subsequent data column
is stacked in series. Values are placed on the X axis; categories
on the Y axis.

*** New Library Chart Types ***

* Stacked Bar - Line Overlay

First two columns of data default to stacked bars; subsequent series are for lines. You can change the starting series for the line overlays in the Chart Overlays dialog box.

* Stacked Column - Line Overlay

First two columns of data default to a single floating column; subsequent single data columns are for lines. You can change the starting series for the line overlays in the Chart Overlays dialog box.

* Floating Stacked Bar - Line Overlay

First column of data is the baseline; subsequent single data columns are for stacked bars or lines. You can change the starting series for the line overlays in the Chart Overlays dialog box.

* Floating Stacked Column - Line Overlay

First column of data is the baseline; subsequent single data columns are for stacked columns or lines. You can change the starting series for the line overlays in the Chart Overlays dialog box.

* Volume-High-Low-Close

Five columns of data per series. The first contains volumes, the second contains empty values, the third contains high values, the

fourth contains low values, and the fifth contains closing values.

NOTE: As with the older prototype for this chart, High-Low-Close,

this is a variation of a Volume-Open-High-Low-Close chart, in which

the 'Open' value columns are empty.

* Bar - Line Overlay

Each row of data corresponds to a data series. Each column of data

corresponds to one set of rows for a given category. A line chart

is overlaid on the bar chart. You can change the starting series

for the line overlays in the Chart Overlays dialog box.

*** New Overlaid Chart Types ***

* Floating Stacked Column - Step Overlay

This is a variation of the new Floating Stacked Column - Line Overlay

chart type.

4. Apple Computer Navigation Services Support
Navigation provides an improved user interface for opening and saving files.
All information in the Navigation Services dialog boxes is persistent by
application.

Navigation Manager support includes all new Open, Save, Import, and Export
dialog boxes that contain:

* New Finder-like browse list.

* Recently used file (Open) or folder/volume (Save) bevel button

   (drops down a list, if the files are present).

* Favorite files, folder, or volumes bevel button where you can store

your favorite files and folders.

* A shortcuts bevel button.

* A pop-up menu for filtering types.
A preview button (Open) if QuickTime is available and the supported resource
is available.

There are also new Save Changes, Discard Changes, and New Folder Navigation
Manager dialog boxes.

5. Enhanced AppleScript Support
Sample⌦⌦⌦⌦⌦⌦ scripts and supporting files are in the folder
":Sample Files:AppleScripts". The sample scripts must be edited by
changing "Your Macintosh HD" to the name of the hard disk where
DeltaGraph is installed. See the comments in the scripts for details.

The following is a complete listing of the current and the new AppleScript
commands supported in DeltaGraph 4.5:

A. Required Suite: Events that every AppleEvent-aware application must

  support.

* open: Open the specified object(s)

* print: Print the specified object(s)

* quit: Quit application

* run: Sent to an application when it is double-clicked
  B. DeltaGraph Server Suite: Suite for using DeltaGraph as a chart server

* Close File: Close the current file and optionally save

* Close Library: Close a Deltagraph library by name

* Data: Where to get data to be plotted from

* Get Chart List: Return a list of all charts by name.

* Load Color Scheme: Load color scheme file

* Open Library: Open a Deltagraph library file by name

* Output: Set output type and location for chart to be plotted next⟦DEL⟧

* Plot chart: Names which chart is to be plotted and then does it

* Plot Options: Set various options for the next plot

* Set Axis Lengths: Set lengths of chart axis' in points

* Set Info3D: Set appearance of 3-D charts

C. DeltaGraph Immediate Suite:

* No Default: Clear defaults set with the Use command.

* Select Data: Choose rows and columns in a DeltaGraph data sheet.

* Use: Set a name to be used as a default for a document, data sheet,

   or Excel sheet name during import.
⟦DEL⟧

6. Excel 97/98 Data Import
In addition to importing Excel version 2.1 through 5.0 worksheet data, you can
now import data from Excel 97/98 worksheets.

7. Data View New Label Row and Column Cells
The first row and column in Data View are reserved for labels. An outline
within each cell of the first row or column now provides a visual effect
to indicate this.

8. Reorganized Axis Dialog Boxes
The axis modification dialog boxes provide a more consistent and intuitive user
interface.

9. Improved DeltaSymbol User Interface
The user interface for the DeltaSymbol selection dialog box has changed. It is
now easier to differentiate the built-in DeltaSymbol feature from that of the
DeltaSymbol font that is installed on your system at DeltaGraph installation.

10. Equation Editor Upgrade
DeltaGraph 4.5 includes an upgrade to the latest edition of the Equation Editor
by Design Science (the makers of MathType).

11. PANTONE® Color System Support [Only available in full version]
Now users can select from 3 types of PANTONE colors (Process, Coated, and
Uncoated) in the System Color Picker, accessed via the DeltaGraph Color Edit
dialog. PANTONE color selections are preserved in both DeltaGraph 4.5 document
files and DeltaGraph palette (.dpl) files.

12. Spot Color Separation Support [Only available in full version]
Named PANTONE spot color selections are maintained in EPSF output. Now when
generating postscript for printing or for EPSF export, DeltaGraph properly
maintains PANTONE spot color separations along with CMYK process color
separations. True CMYK black (0 0 0 1) is now generated in postscript to
always overprint on color separation plates, while other colors will
"knock-out" background images in other color planes. This applies to fonts,
lines, and graphic fills in generated postscript.

13. ColorSync 2.5.1 Support [Only available in full version]
In addition to allowing users to calibrate PANTONE color selections to a desired
monitor profile, DeltaGraph now supports calibrating imported PICTS from any
embedded ICC color profiles to the color space of the current system profile.
The current system (monitor) profile can also be embedded within exported PICTs

and EPSF screen previews, and the current printer profile (default CMYK) is embedded in the page description section of exported EPSF files. PANTONE CMYK values are calculated by a profile to profile calibration match of your current system RGB profile to that of the default CMYK profile. Use the ColorSync 2.5 control panel to set your default color space profiles.

IMPORTANT NOTE: Although ColorSync 2.5.1 ships with MacOS 8.5 (Allegro), it does not come as a standard extension with earlier versions of the MacOS. In order to enable the new PANTONE/ColorSync functionality in DeltaGraph 4.5, ColorSync version 2.5.1 (or higher) must be installed on your Macintosh. Look in "Control Panels" under the Apple menu to check the version of ColorSync installed on your machine. The ⬚ColorSync 2.5.1 setup program can be downloaded free of charge from Apple Computer at: <http://www.apple.com/colorsync>.

14. MRU Support
In addition to the MRU ("Most Recently Used") functionality which comes as a standard feature on all Navigation Services dialogs, DeltaGraph now has an MRU list on the "File" Menu, allowing easy access to your most recently saved DeltaGraph document files.

15. Other User Interface Enhancements
The following enhancements are also included:
* Support for selecting multiple chart element series faces with a single legend series selection. Applies most to 3D chart types and charts with depth.
* Mapping the Escape key to the Cancel button in dialog boxes
* Support has been added for the Delete Key in user dialogs and in chart text elements.
* Moving the controlling check box in the Legend Options and Scatter Options dialog boxes.

II.   Known Issues and Work-Arounds:

1. Labels shift in imported PICTs when the "Import PICTs as Multiple Objects"

import preference is turned on.

Work-around: Either ungroup and re-orient the individual PICT elements individually

after import, or else turn off this preference and re-import.

2. Exported graphics using QuickTime 3.0 are always set to 72 DPI.

Work-around: Export as PICT or EPS, which do not use QuickTime 3.0, and/or update

your version of QuickTime once the newest update becomes available . This is a

known anomaly occurring in QuickTime 3.0. At the time of writing this document,

a newer release of QuickTime is in preparation and we believe the behavior is

corrected.   Please refer to <http://www.apple.com/quicktime> to obtain the latest

version of QuickTime.

We hope that you will be as excited about the latest release of this most excellent
charting application as we are.

Curtis Browning
DeltaGraph Project Manager
12/16/98