

Official version history and changelog information for Grapher 17

### **Grapher 17.4.481 (01 April 2021)**

*New features and Improvements:*

- Histograms: Bins now reset when switching data column
- Save: Improve save process for GRF and GPJ to not rely on Temp when copying files

*Fixes:*

- <guid>.TMP file was not removed from %Temp% after saving over file
- Automation: ActiveX Activation error creating polar vector plot graph
- Axis: Artifacts were created after changing axis limits
- Import: Bad or unknown format error resolved when loading XLSX
- Box plot: Whisker IQR calculation results were incorrect (now replicates behavior of Grapher 15)
- Crash in worksheet after getting Invalid row number error
- Crash opening a GRF containing a GRD file
- Crash Opening in Excel: Can't get LOGFONT info
- Crash saving GPJ file
- Crash when setting worksheet for existing line/scatter plot
- Crash when undoing creating a Ternary Class Scatter Legend
- Create: when clicking Create the new plot will use the existing worksheet for the new plot
- Encountered improper argument saving to default Temp folder
- Fit Curve: Statistics were not calculating when function doesn't evaluate at one point
- Internal Error in Worksheet when using Text to Number
- Internal Error when loading MIF
- Internal Error when reshaping a polygon
- Legend: when adding plots to graph via copy/paste, legend does not update
- Lock Position: Locked status becomes stuck after grouping objects
- Open: could not Browse after opening a GRF with an unlinked data file and no worksheet

### **Grapher 17.3.454 (07 February 2021)**

*New features and Improvements:*

- An error message was not displayed for fit equation  $Y = a/x$
- In-app message text was too small to read on high resolution monitors

*Fixes:*

- An "Abort" message was displayed twice when a custom fit calculation failed
- Autorecovery was exhibiting strange behavior around recovering unsaved worksheets
- The Date/time label positions were inconsistent for Contour Plots
- Crash after deleting an axis and then undoing the deletion
- Crash saving file after reloading data
- Crash when adding a XY Contour Data plot to existing plot
- Crash when exporting grid data to restricted file location via automation
- Crash when opening a Grapher Template File (\*.GRT)
- In-app message window was often showing the message "error occurred when we tried to download the latest notifications"
- When exporting to vector PDF (PDFv) landscape orientation was exported as portrait
- When exporting to vector PDF (PDFv) not all objects were included in the export

## **Grapher 17.2.435 (09 January 2021)**

*New features and Improvements:*

- The new Bubble Plot legend is now supported.

*Fixes:*

- Hang when cutting/pasting data used in fit calculations after statistics are inserted in plot
- Artifacts when the worksheet is created while opening Grapher
- Log base 10 axes had errant artifacts displayed when custom limits were defined
- Internal Error when inserting statistics for fit with missing/no data
- Crash when manually moving axis labels
- Crash when opening file
- Crash when opening file containing Rose charts
- Crash when loading symbol table for Polar plots
- Crash closing a file without saving
- General code improvements

## Grapher 17.1.408 (01 December 2020)

### *New features and Improvements:*

- Auto-recovery (restore backup files after crash)
- Notifications pane has been added
- Convert between 2D scatter plots to 2D class scatter plots
- Improved selection for plots (hidden plots cannot be selected)
- Criteria filter dialog clearly shows what Null Criteria and Column Criteria do (include vs. exclude)
- Add Plot:
  - Improved functionality around adding a plot to a graph from the ribbon
  - Select Plot Type dialog now includes all possible plot variations
- Legend:
  - Control size of samples/symbols in legend for individual entries
  - Show line properties in legend for added class plots
  - Color line gradient in legend when colormap is used

### *Fixes:*

- Axes: Yearly date/time tick spacing gives incorrect axis limits
- Crash when closing Grapher quickly after launch
- Crash when editing Graph properties
- Crash adding 3D graph types
- Crash closing document after copying and pasting Surface Data map (with legend and color scale)
- Crash displaying certain labels on box plots
- Crash running scripts that add Spline fit or LOESS fit
- Crash when digitizing on a radar plot
- Crash when drawing title text on plot with a single point
- Crash when duplicating axis on Contour XY Data Map
- Fit Curve: Statistics R and R<sup>2</sup> are incorrect due to error in RSS and RGSS calculation
- R<sup>2</sup> value reported incorrectly for power fit of log(10) data
- Polar Plot: No longer overwrites angle axis line properties with grid line properties
- General code improvements