

# Surfer Version History

Official version history and changelog information for Surfer version 16.

## **Surfer 16.8.3 (June 29, 2022)**

*Fixes*

- Updated licensing for security and compliance

## **Surfer 16.7.2 (October 20, 2021)**

*Fixes*

- Updated licensing for security and compliance
- Crash when printing and the scale in the Print dialog is set to 0%

## **Surfer 16.6.484 (August 22, 2019)**

*New Features/Improvements:*

- Try Beta Version command to access the beta version of the next Surfer!
- Autorecovery option to auto-save files periodically
- Import: move from File menu to Insert group on Ribbon and rename to 'Graphic'
- Colormap: keep "Use data limits" enabled when reloading grid with different extents
- Reload Layer Data has a new icon
- Base from Server: Update server list
- Base from Server: Get server list from online source instead of INI

*Fixes:*

- Grid from Contours: Internal Error when creating grid (robustsigndeterminant2x2.cpp)
- Base Map: attributes are getting truncated at numeric value
- Internal Error after georeferencing (usertransform.cpp)
- Crash copying/pasting between plots
- Cannot open SRF file after saving (srf appears to be corrupt or incomplete and cannot be loaded)
- Attribute Table: Cell entries containing "/" being formatted inconsistently
- Internal Error after saving file (gscratch.cpp)
- Internal Error when opening S16.1 SRF file (stratosstatemanager.cpp)
- Internal Error when pasting color scale or scale bar from one plot to another (colorscale/scalenode.cpp)
- Crash when gridding data from Wizard

## **Surfer 16.5.446 (May 31, 2019)**

*New Features/Improvements:*

- Grid Info: limit the calculated statistics for the area inside or outside a polygon or set of polygons
- Profiles: Reverse axis
- Profiles: Limits property page was added to specify the X and Y limits for the profile
- Reload Layer Data command added to the File menu and in the right click menu for map layers

*Fixes:*

- Crash after pasting
- Crash after copying
- Base from Server: default timeout increased from 30 to 90 seconds
- Base from Server: WMS error "Remote server returned an error: (400) Bad request"
- Base from Server: WMS error "Unacceptable layer names"
- When data files contain very small values and were gridded, the resulting grids could contain invalid floating point data or generate a std exception error
- Export to vector format: new option to export with axis reversed (otherwise map is mirrored in X and labels upside down when axis is reversed)
- Internal Error when gridding data with Triangulation (grid.cpp)
- Internal Error when using Grid From Contours (lineintersection.cpp)
- Assign NoData was much slower than previous versions with very large polygons
- Assign NoData inside polygon was including/not including the correct nodes along the edges of the polygon

**Surfer 16.4.426 (May 3, 2019)**

*New Features/Improvements:*

- Drop Shadow for text and drawing shapes
- Print preview
- FGDB Import (v10): Import Options dialog to select which layers to import
- Copy or duplicate layers with linked objects without getting a warning

*Fixes:*

- Internal Error in Colormap Editor when filling contours (colormapdlg.cpp)
- FGDB Import Options: Spatial limits were not applied
- Copy/Paste Format: some checkbox settings weren't copied/pasted
- Export Options dialog does not appear when exporting to ASCII formats from the worksheet
- Copying color scale does not copy the 'show max value' flag
- PDF Export: Rotated map frame is causing artifacts when exported to vPDF
- Image Export: Post map labels and points are randomly missing/cutoff
- Crash when opening worksheet (SurferCore.dll)
- Post map: reloading multi-sheet workbook doesn't prompt for sheet

## **Surfer 16.3.408 (April 5, 2019)**

### *New Features/Improvements:*

- Export to SHP/DXF: Contour fill polygons are exported with Zmin as the 3D Z value and have the Zmin as an attribute
- Drawing: SHIFT snaps to nearest vertex
- Colormap Editor: Edit the Presets drop down menu (add, remove and rearrange presets)
- Copy Format/Paste Format: Apply properties from one object onto another object of the same type
- Import grid-type TIF files as images in a base map
- Contour map color scale: Add label to the top of the color scale
- Post and Base maps: Show which sheet in an Excel workbook is used
- Base map: Drag and drop attribute labels
- Base from Server: Update NAIP server URL to new NAIP Plus location
- Added 5 more colors to the color palette

### *Fixes:*

- Reflectance map missing when saving to S14 (and prior) SRF format
- 3D View: vector data points: symbols are much too large for lat/lon map
- Reflectance map duplicated when saving to S15 SRF and crash
- Crash when changing Z axis tick settings
- 3D View: Point Cloud doesn't update colors when Plot View Colormap is changed
- Error loading IMG file "Failed decoding raster data"
- Grids | New Variogram: Statistics dialog is not positioning the "Report" button correctly when the dialog is resized.
- Point Cloud: Internal Error when trying to select points in a non-active map (pointcloudimpl.cpp)
- 3D View: Rendering stalls on 'Creating grid' message when displaying objects in large file
- Crash when gridding data through Grid Wizard (GridLibu.dll)
- 3D View: "Same as plot" sizing method does not work with Lat/Lon maps
- Error during Save: "Error opening file 'C:\...\Temp\gs[xxx].tmp': Access denied"
- Automation: encountered improper argument closing plot after saving

## **Surfer 16.2.375 (February 6, 2019)**

### *New Features/Improvements:*

- Attribute Table: Add Query command in toolbar
- Attribute Table: Copy the entire table without having to hold down select button
- Attribute Table: Export to data file (e.g. CSV, DAT, TXT, XLSX)
- Attribute Table: Find/Replace
- Attribute Table: Make it easier to select and copy non-adjacent cells/rows
- Base Layer: Add the Query Objects and Open Attribute Table commands to the right-click context menu when in Edit mode
- Add the Duplicate and Move/Copy commands to the right-click context menu
- Export: Automatically use Map scaling source for export when base layer is in edit mode

- Increase the size of the text in Digitized Coordinates dialog when using a high resolution monitor
- Map Wizard: Make Browse its own button
- Query dialog: Make modeless so you can access other commands/dialogs(e.g. the Attribute Table) when it is open

*Fixes:*

- Map Wizard: Choosing text columns for data files leaves you stuck on second dialog with no indication of what's wrong
- Internal Error when create 3D view (geometryconverter.cpp)
- Color Relief: Reflectance color data min/max goes to grid min/max when reload grid
- Internal Error when exporting to .raw file with the header size set to a non-zero number (bufferedfile.cpp)
- Watershed: Changing the grid and then Undo doesn't revert the Threshold value
- Watershed: Properties doesn't clear the Pour point file field if selected file is invalid
- Grid Editor: Improper Argument error when saving in ADF format
- Options: Rectangle must fully surround: Unchecked doesn't have any effect
- Internal Error in wksapi1.cpp (line 2512) attempting to import data past end

**Surfer 16.1.350 (December 13, 2018)**

*New Features/Improvements:*

- Improvements in user interface display when using high resolution monitors (e.g. increase size of icons, reshape nodes, checkboxes, etc)
- JPG import: image is imported at original rotation after editing in an image editor
- Colormap Editor: Recalculate histogram based on specified Data min and max values
- 3D View: vertical exaggeration: adjust formatting so entire value can be displayed
- Hyperlink objects to a file or URL
- Attribute Table: copy and paste multiple attribute values from Excel into the Attribute Table
- Transform: add function SIGN(Arg)

*Fixes:*

- Color scale bar does not update when click Apply from Colormap Editor
- Grid from Contours: Doesn't show contour source when Browse
- Drawn objects: Changes to Fill properties do not immediately apply
- Internal Error when close the 3D view (propertymanager.cpp)
- Colormap Editor: Stretch says it's Equalize when it's not
- Internal Error when trying to create a 3D view (layernode.cpp)
- Crash when throwing "Too many pour points" error in watershed map
- Crash in grid contours dialog
- Crash when editing colors in the 3D View
- Crash with Grid from Contours
- Internal Error when selecting the Z column for Classed Post (databins.cpp)
- Internal Error in 3D view (statepresenter.cpp)

- Crash when selecting grid to use with Grid Mosaic
- Crash in Map Wizard when selecting data
- Axes: turning off/on needs refresh
- Classed Post: Classes for Map: properties aren't applied until refresh
- Internal Error when checking to create water level in 3D View before visualization is completely loaded (statepresenter.cpp)
- 3D View: vertical exaggeration increases when Map is turned off in plot view
- Watershed map disappears after getting "too many pour points" error
- Internal Error when opening S9 SRF file (axisnode.cpp)
- Internal Error when closing a plot view containing a profile node (axisnode.cpp)
- Crash when closing windows (mfc140u.dll)
- Grid Wizard/Mosaic/GridContours: copy geometry from: browse and then cancel goes back to None instead of last selection
- Internal error while importing a TIFF file (trlattice.cpp)
- Internal Error when importing DXF file (TrGraphics.cpp)
- Internal Error when loading a PLY file with bad node data
- Automation: VectorLegend: LabelFont and LabelFormat are not applied
- Automation: Internal Error from SetMapFrame when there is only a single map frame
- Grid Data Advanced Options: dialog says Inverse Distance Parameters instead of Data Metrics
- Draw posted points even when outside the viewable window
- Surfer 16 user with expired beta trial license is not given option to enter a new PK
- Error importing DEM file
- PDFv Export: dashes touching in wide lines (line looks solid)
- Crash when closing 'A license must be activated to continue.' error and modal window is present (surfer.cpp)

### **Surfer 16.0.330 (November 7, 2018)**

- First released version of Surfer 16