

Official version history and changelog information for Surfer 23 and 24.

### **Surfer 24.3.218 (December 2, 2022)**

#### *Fixes*

- 3D View: SRF with Drillhole layer did not display the drillholes with an End Depth of 0 in the 3D View
- Crash when importing DXF
- Crash when loading DXF file after error about file being in use by another process
- Crash when opening CSV in worksheet
- Drillhole layer: attempting to edit the drillhole layer filter via Properties just opened the filter dialog
- DXF Import: an error occurred when opening/importing a DXF file (std exception (class std::length\_error): vector too long)
- DXF import: some polylines were mirrored when imported
- Internal Error after updating the base from data layer from the worksheet view and then undoing the update (SceneList.cpp)
- Internal Error when entering attribute values via Properties Info page (InfoPropPage.cpp)
- Properties: sometimes the Properties window can report INF or NAN when entering a large value
- Save As: saving to old SRF format has typo in warning

### **Surfer 24.2.204 (November 3, 2022)**

#### *Improvements*

- 3D surface: show base: reduce stitching on coincident edges
- Drillhole layer: updated the order of coordinates displayed on the Coordinates page in Properties
- Export PDF vector: unsupported fonts that can't be embedded look much closer to their original font
- File Defaults: updated the names of some map types

#### *Fixes*

- Contour layer: for some grids, the max contour color is applied to the entire contour layer
- Coordinate systems:
  - corrected PM shift for datum Ancienne Triangulation Francaise (Paris)
  - Lambert 93 conversion was not accurate

- NTF (Paris)/Lambert Corse had an incorrect False Northing value
- polar coordinate systems using LAEA had an incorrect internal latitude of center
- remove an incorrect scale factor from RGF93 Lambert CC42
- some systems using LAEA projection had error in transforms
- Crash when closing document
- Crash when importing DXF
- Crash when trying to load a TIF file
- Internal Error: occurred when exporting a metafile with an unsupported image file to a vector PDF or EMF (Dib.cpp)
- Profiles:
  - can't save profile data if grid file name is in unicode characters
  - Toggling layers in the Contents window resets custom scaling for Profiles

## **Surfer 24.1.181 (September 6, 2022)**

### *Improvements*

- Base layers: convert coordinates of vector base layers
- Disperse Labels: added for drillhole, base and post layers
- Grid Editor: display base, post and classed post layers for context
- Label Leader Lines: added for drillhole and base layers
- Profile: XY Axis: automatically adjust Scaling and Limits when profile layers are turned off/on

### *Fixes*

- 3D View: Export 3D: exporting vector contours to VRML hides texture on surface
- Automation: PostLayer: SymbolColorCol with gradient fill results in an empty map
- Base from Server: Error reads "Transparent must be either True or false" for a server that should work
- Convert Layer To: layer and color scale get out of sync
- Crash when opening Surfer
- Crash when opening v11 SRF file
- Crash when reloading data from the Drillhole Manager when there are some collars with no Hole ID
- Drillhole layer: Undo/redo does not work for overriding label set properties for individual drillholes
- GCS: EPSG 3031 transforms needs to be updated for accuracy
- Grid from Server: WCS server (geo.pacios.hawaii.edu) isn't working but should
- Image Crop: Layer image flips when cropped
- Internal Error after cancelling export (iomanager.cpp)
- Internal Error after Image Crop or run out of disk space (gbmfilebitmap.cpp)
- Internal Error when using Base from Server (private.cpp)

## **Surfer 23.4.238 (July 30, 2022)**

### *Improvements*

- Updated licensing for security and compliance
- Updated information in the About dialog
- Legend: do not stretch text/symbol/line/fill contents when stretching legend (only adjust the margin property), and only stretch proportionally
- Profile: update automatically when replacing the source grid file

### *Fixes*

- Assign NoData: inconsistent NoData assignment around the boundary line
- Automation: server exception when loading IMG file for relief map and Surfer became unusable
- Automation: xMapPerPU and yMapPerPU not reporting correctly after scale transforms were applied
- Bring to Front and Send to Back: Contents window needed a refresh
- Color Relief: Data limits did not update when changing from Reflectance to Color only after reload grid
- Colormap Editor: Data Value box did not update when set to a negative value and Apply was clicked
- Could create a Variogram inside a base layer
- Crash when adding empty base layer
- Crash when closing Surfer after file not fully loaded
- File | Open: some SRF files took a long time to open in v23 due to invisible color scale attached to a grid layer with a large data range
- Grid From Contours: some contours with ZLEVEL or Z Coordinate information were ignored
- Internal Error after assigning NoData to a grid using a DXF file containing polylines with collinear data (polygonutility.cpp)
- Internal Error when creating Worksheet window
- Map Wizard: the 'Entire grid was blanked' error appeared too early and prevented gridding
- Moving with arrows sometimes moved the object always left (or always right)
- The "Lock Position" feature still allowed a node to be moved when nudging with the arrow keys

## **Surfer 23.3.202 (March 30, 2022)**

### *Improvements*

- Common graphic files: add GML extension

- Update EULA in Surfer for subscription licensing

#### *Fixes*

- 3D View: default camera is far away when Map and layer have different coordinate systems
- 3D View: Export 3D: some surfaces export with the axis labels in the wrong location
- 3D View: Export to VRML: textured surfaces with blanked areas can lose surface color
- 3D View: Surfaces: shading resolution doesn't work anymore
- AutoSave: failure during recovery prevents Surfer from running
- Base (vector) layer: changing Map coordinate system reverses image
- Base Map: Ellipse, Rounded Rectangle, and Rectangle did not name properly using Attributes
- Base(vector): zipped SHP files imported without coordinate system information when there was a PRJ in ZIP
- Copy/Paste Format: undo/redo of actions can create multiple color scales and lead to crash
- Crash when Undo Paste Format
- Frame: Inaccurate bounding box when loading document with color scale in older versions
- Grid Data: text contents keep expanding after error until they're out of the dialog
- Internal Error after redoing unchecking of 'Show color scale' property (ColorScaleNode.cpp)
- Internal Error when certain limits & scale are applied (Axis.cpp)
- Internal Error when gridding some data using CoKriging (anisotropy.cpp)

#### **Surfer 23.2.176 (February 1, 2022)**

#### *Improvements*

- Map Wizard: remove Cokriging as a gridding method for simple gridding; and if gdMethod is set to Cokriging, change it to Kriging
- Defaults: Grid Data: add Cokriging option to gdMethod in UI and SET file description
- Common Document Files filter: Include .XLSX

#### *Fixes*

- 3D View: drillholes not displayed when the map had a geotransform
- 3D View: Export 3D PDF: exporting 3D surface layers lost the surface color
- Internal Error when importing some images as a base layer (rasterlayernode.cpp)
- Surfer splash screen showed 'Surfer Beta' instead of 'Surfer'
- Base from data: Labels: X offset for labels is very inaccurate when map did not have proportional XY scaling

- Grid from Contours: assigning NoData outside the convex hull produced different contours than when not assigning NoData
- Copy Format/Paste Format: does not copy/paste polyline End Styles
- Base(vector) layer: Labels: offset not correct when page units were cm

## **Surfer 23.1.162 (January 3, 2022)**

### *New Features and improvements:*

- 3D View: digitize point locations and save XYZ coordinates
- 3D View: improved accuracy of reported XYZ coordinates in the status bar
- Color Scale: add Frame with line and fill colors
- Color Scale: identify which layer it belongs to in Properties
- File Export: export a base layer with numeric attributes to a data format with numeric attributes
- Grid layers: Info page: display some grid information in the Properties window
- Map Wizard: create peaks and depressions layer
- Map Wizard: create point cloud layer
- Option to disable some warnings
- Save grid as grid-type GeoTIFF (TIF files with Zs instead of colors)
- Map Scale Bar: add Frame with line and fill colors
- Surface Map: show the base side-fill to a specified Z value
- Worksheet and Attribute Table: Save numeric values as numeric to DBF (do not convert them to text)

### *Fixes:*

- 3D View: Point symbols did not export to 3D PDF or VRML correctly
- Base layer: Sub-selection bounding box was not updated correctly with undo/redo
- Crash after creating 3D view and getting error 'Unable to initialize the OpenGL context'
- Crash in 3D view after getting error about video driver
- Crash when printing
- Download Online Grids: WCS: Surfer was not downloading grid GeoTIFFs correctly
- Drawn polylines were sometimes shifted when opening a project saved in previous version
- Drillhole layer: deviation paths were displayed in 3D in the 2D plot window
- Grid Info: reported -nan(ind) for some statistics
- Internal Error in 3D view displaying drillholes (StatePresenter.cpp)
- Internal Error when moving a graticule layer from one map to another (GraticuleHelpers.cpp)
- Opening some Surfer 16 SRF files (e.g. MapTypes.srf) shut Surfer down

- Selection boxes did not update when adding shapes