Official version history and changelog information for Surfer in 2023.

Surfer 26.2.243 (Nov 4, 2023)

Improvements

- 3D View: 3D PDF Export: better center rotation point
- 3D View: 3D PDF/VRML Export: consistent font sizes for all labels

Fixes

- 3D View: 2D grid surface from 3D grid disappears from 3D view after duplication
- 3D View: Undo combines a step after converting 3D Grid to 2D Surface
- Crash when opening a DXF as a data file
- Crash when selecting various layers in DXF Import Options due to buffer overflow
  Export: PDF(Vector): error thrown when exporting (MemoryImage.cpp)
- Grid Data: Data Filter: Restore SUM option
- Import: DXF: text imports ^M and ^J as text instead of carriage return and line feed
  Internal Error after cancelling 3D PDF export (IoManager.cpp)
- Internal Error when exporting 3D view with an empty isosurface (TrPolymesh.cpp)
- Internal Error when loading a CSV/XLSX as a grid file using DICOM filter (gscatch.cpp)
- Internal Error when trying to load a GSR file in the worksheet (gscatch.cpp)
- Internal Error when trying to print (DevInfo.cpp)
- Internal Error when trying to replace grid file and create 3D view (GridToTriangleStrip.cpp)
- Internal Error when using Auto-fit in the variogram page (VarioModel.cpp)
- Internal Error when using Map Wizard to grid data and use a SHP for a blanking file (BlankingPolygon.cpp)
- Rotate: Bounding Box dimensions are incorrect (too large) after rotation

Surfer 26.1.216 (Sept 6, 2023)

Improvements

- 3D View: 3D Grid: Clipping Plane
- 3D View: 3D Grid: Image slices
- 3D View: 3D Grids: delete layers/models created from Add to 3D Grid
- 3D View: 3D PDF Export: export objects to Model Tree in groups and use layer/group name from 3D view
- 3D View: 3D PDF/VRML Export: export axis titles and grid lines
- 3D View: create context menu
- 3D View: Z axis: show labels by default
- Attributes: edit or delete attributes in Properties for non-layer objects
- Drillhole Manager: reload data source from new location
- Drillhole Manager: Save imported data as a single table data file, multi-sheet XLSX file, or an XYZC data file

- Print: Save As PDF option
- Stretch: Color scale: update Height/Width/Margin when drag selection handles to resize, and do not stretch text
- Stretch: Scale bar: update Height when drag selection handles to resize, and do not stretch text
- Stretch: Symbols: do not stretch text or text labels when map or object is stretched
- Stretch: Text: do not stretch symbols if resize map

Fixes

- Coordinate Conversion: text objects really stretched and unreadable after changing Y
- Crash when adding intervals to drillholes
- Crash when creating an alpha shape
- Crash with adding more drillhole data and click 'Add All Fields'
- Drillhole layer: Drillhole paths load incorrectly initially in previous versions
- Exporting post map to an image file with high pixel count causes line of blank pixels
- Internal Error when exporting a vector (BLN, PDFv) file (TrGraphics.cpp)

Surfer 25.4.320 (Aug 26, 2023)

Improvements

- 3D View: Drillhole: option for labels to be at the Top of the Drillhole or at the Starting Depth
- 3D View: Lighting: use 3D view shading for Color Relief layers with the Hill shaded terrain representation
- 3D View: 3D PDF/VRML Export: export a single mesh instead of multiple mesh strips

Fixes

- 3D View: 3D PDF/VRML Export: apply opacity for uniformly-colored meshes
- 3D View: Adding and deleting volume items (e.g. isosurfaces) does not work properly with Undo/Redo
- 3D View: drillhole error showing intervals when there are blank From/To entries
- 3D View: lighting on polymesh entities can appear incorrectly stretched/compressed in the vertical direction
- Base map: Save File: Spatial References uses Paper space by default when saving to a raster file format
- Contour map: NoData areas are filled in v24 and above, if the grid was created in v16 or previous
- Crash in worksheet using numerical values with strlen and strcmp transform functions
- Crash when changing the source SHP for a base layer

- Drillhole: exception when calculating drillhole path without survey data and missing depth fields
- Grid Residuals doesn't update with correct data
- Internal Error after Assign Coordinate System (Axis.cpp)
- Internal Error when converting to Peaks and Depressions layer (PolygonUtility.cpp)
- Internal Error when Profile updating after Contour visibility toggle (NodeHelpers.cpp)
- Internal Error or crash when using string functions in worksheet transform

Surfer 25.3.290 (June 5, 2023)

Improvements

- 3D View: Drillhole: drillholes should still be displayed even with only one point in the survey table
- 3D View: Volume render: change default render mode to Sliced
- Color Scale: Labels: update Frequency as soon as Height changes (do not require parent layer change)

Fixes

- 3D View: Camera: XYZ Target values revert to default
- 3D View: Changing the Z Axis min/max caused incorrect object placement
- 3D View: Digitize: Non-opaque objects do not get "hit" by clicks
- 3D View: error was generated when using old Intel Graphics ("Invalid depth buffer size!")
- 3D View: Fly-Through: camera was not focused on constant point when playing
- 3D View: Z-axis auto-scaling not applied after Undo in plot view
- Crash when reloading drillhole data
- Crash when using Copy Properties with polymesh object
- GeoTIFF import: XY limits do not match metadata from other software
- Grid Data XYZC: spacing in Z direction changes # of Nodes in Y direction
- Internal Error in 3D view when creating flight path (Orientation.h)
- Internal Error saving large file, not enough memory (Main.cpp, Line 285)
- Internal Error when loading a non-PNG file (e.g. PDF, SRF, RAR, etc) using the PNG filter (gscatch.cpp)
- Overlay Maps: symbols in base layer change size when overlay

Surfer 25.2.259 (April 4, 2023)

Improvements

- 3D View: Drillholes: limit the visualization by map limits, not layer limits
- 3D View: improve redraw speed
- 3D View: reloading data in 2D plot view should not remove properties and modules from 3D view
- 3D View: transparency issues have been improved

- 3D View: water level inconsistent when the 3D blend function is enabled
- Contour: 3D Grids: Advanced level method: maintain level properties when changing Z slice
- Drillhole Data Import: make table names consistently plural
- JP2 file from NAIP issues error upon import because of 5th color component
- Viewshed: 3D Grids: needed its own Slice Z value property

Fixes

- 3D PDF Export: PDF file crashes Adobe upon opening if over 200"
- 3D View: raycast volume render face was clipped out
- 3D View: camera angle returned to default when opening SRF files
- 3D View: drillhole: drillholes don't appear if you delete drillholes in 2D view before creating 3D view, or if you load a single drillhole
- 3D View: isosurface volume reverts to "Calculating..."
- 3D View: multiple 3D views can be created from same map when using '3D View' button in properties
- 3D View: visualization created from 3D Surface (3D Grid) has incorrect Z dimensions
- Base Layer: 'STD Exception - bad numeric conversion' error when trying to create a Base layer from a WRL file
- EPSG 2136: not applying gold coast feet to meters conversion
- EPSG 22391: wrong EPSG code (supposed to be 22332)
- EPSG 2314: not applying Clarke's Feet to meters conversion
- Grid Data: "Inadequate data after filtering" error thrown when the X and Y data ranges are vastly different
- Internal Error when importing an EMF as a base map and break apart metafiles (EmfImportFilter.cpp)
- Map Layers: 3D grid is converted to 2D grid, if 2D grid layer also exists and 3D grid slice Z value is at minimum

Surfer 25.1.229 (February 1, 2023)

New Features & Improvements

- 2D plot: Create 2D maps from 3D grids using slice number
- 3D Grids: Grid Info
- 3D Objects: when saved to older SRF file formats, convert 3D polylines/polygons to 2D polylines/polygons
- 3D View: Export Image: match color scale placement/size to view
- 3D View: IsoSurface: calculate volume
- 3D View: option to auto-adjust the Vertical Exaggeration
- 3D View: visualize 3D Grid as a rendered volume
- 3D View: visualize 3D Grid as an isosurface
- 3D View: VRML Export Options: Remove unused "height" option
- Automation: 3D grids: Layer objects: load/save 3D grids from GridXYZC object, and update/create layer object

- Automation: 3D grids: Layer objects: update GridFile property to include 3D grids (GridXYZCFile)
- Automation: GridData: grid XYZC data
- Export/Save As dialogs: remove 'All Files (*.*)' from Save As Type or Export menus
- Grid Data: 3D gridding of XYZC data in Surfer
- Map Limits/Size: when change CS for map, Limits should be converted (and longest dimension should remain same size)
- Move the anchor point for labels on points, polylines or polygons
- PDF (vector) export: clip object if partially inside the page outline
- PDF (vector) export: increase resolution of images
- PDF (vector) export: decrease minimum dash length (so dots look like dots)
- VTK Export Options: remove/rename 'Type min' and 'Type max' as options for setting NoData nodes to

Fixes

- 3D View: contents gets confused between 2D and 3D grids in different windows when Digitize mode is enabled
- 3D View: Crash when creating 3D view for old SRF
- 3D View: redrawing view (turning base textures on/off, adjusting source map) affects grid textures in coincident areas
- 3D View: Z limits don't take into account drillhole layers when geotransform exists
- Base layer: Labels disappear for objects in group
- Base layer: Polygons disappear when in a group and geotransformed
- Color Scale: Surfer will get stuck if the labels are set to auto frequency and the height is too small
- Colormap: Custom colormap with single quote character in name causes launch error
- Crash after using Grid Filter possibly due to raw pointer usage
- Crash when gridding LAZ file and running out of memory
- Crash when making edits to a contour map and closing Surfer
- Georeference Image: GEOREF files can't be saved from Notepad and re-imported
- GeoTiff: EPSG 3571 - 3576: incorrect latitude of center (Lat0)
- Opening older SRF files with maps/layers in Lambert Azimuthal Equal Area (LAEA) may not open with the correct geotransform
- PDF (vector and raster) export: Dashes in dashed lines are shifted
- PDF (vector) export: doesn't export page correctly when map is >200" and using application page size
- PDF (vector) export: doesn't export properly if text object contains parentheses in math text filepath
- PDF (vector) export: exports vector objects outside the page, when application page size is selected
- PDF (vector) import: vector objects are displaced from image