Surfer Version History

Official version history and changelog information for Surfer versions 20, 21 and 22.

Surfer 22.3.185 (June 13, 2022)

Fixes

- Updated licensing for security and compliance

Surfer 22.2.175 (November 3, 2021)

Fixes:

- 3D PDF: some SRFs did not export to 3D PDF correctly
- 3D View: Flight Path Editor: input vector path changes to <None> when entering values starting with decimals
- 3D View: No way to maximize view window
- Base from server: WFS server shows errors when trying to download maps and vector data layers not created
- Crash when exporting 3D view with drillholes with labels
- Crash when importing drillhole data
- Drillhole layer: does not update limits after addition via Drillhole Manager
- Drillhole layer: symbol visibility out of sync with properties
- GeodeWPF: Favorite category doesn't work to select Layers
- Internal Error after grouping maps that were drag selected (SceneList.cpp)
- Internal Error after undoing Reshape (reshapetool.cpp)
- Internal Error when exporting drillholes in 3D View and minimum size for interval is 0 (TrPolymesh.cpp)
- Internal Error when loading DXF as base map (IoImport.cpp)
- Page size in cm is remembered in inches
- Pie chart: sizes are incorrect when page units are set to cm
- Surfer failed to run due to "ColormapPresets.toml could not be opened for parsing" when user has an account name with multi-byte characters

Surfer 22.1.151 (September 7, 2021)

New Features and Improvements:

- 3D View: Create a true 3D sphere symbol
- 3D View: display drillhole layers in the 3D view to show trajectories, paths, interval data, point data, and labels/leader lines
- Alpha shape: create a tighter boundary around data points (e.g. convex or concave hull) in geoprocessing, Grid Data and Grid from Contours

- Drillhole Manager stores and displays all the drillhole data
- Grid Math and Grid Volume: calculations can use grids that have different sizes (different numbers of rows and columns)
- Grid Math: apply math to XY values, not row column location so the calculations work on grids offset from each other or in different coordinate systems
- Grids: easily create isopach maps (true stratigraphic thickness) or isochore maps (true vertical thickness)
- New Layer Type: 2D Drillhole layer shows drillhole locations, deviation paths and bottom hole location

Fixes:

- 3D PDF export: lat/lon maps appear dark and blocky
- 3D View: Antialiasing appears to be applied backwards for text
- 3D View: Base(raster) layer not displayed when map is transformed with X Scale or Y Scale
- Attribute Table: undo/redo leads to error or crash when left open after Undo map creation
- Crash in OpenGL driver when use trackball with surface map
- Drop shadow: turns background black when background opacity is not 0 when using math text instructions (\ markup)
- Internal Error changing Z axis length (axis.cpp)
- Internal Error creating unique ID for node (PlotDoc.cpp)
- Internal Error when gridding data with Kriging (KrigingGridder.cpp)
- Internal Error when importing multiple grids as Color Relief due to nan blank value (iogrid.cpp)
- Internal Error when Redo with Move To Layer command (SceneList.cpp)
- Text Editor: Including math text instructions (\ markup) makes white text turn black when exporting to image formats

Surfer 21.3.1 (June 14, 2022)

Fixes

- Updated licensing for security and compliance
- Base(raster) layer was not displayed in the 3D View when map is transformed with X Scale or Y Scale
- Internal Error when importing multiple grids as Color Relief due to nan blank value (iogrid.cpp)
- Internal Error when opening a newer SRF with a drillhole layer and legend (LegendNode.cpp)

Surfer 21.2.192 (July 6, 2021)

New Features and Improvements:

- Axis: improve wording of error "Axis exceeds coordinate space"

- Options: Enable OpenGL hardware acceleration: update Help tip

Fixes:

- 3D View button is available when 2 Map objects are selected
- 3D View: 3D surface maps visibility tied to 'surface background' when another layer exits
- 3D View: certain vertical exaggeration values cause the camera angle to revert to default
- 3D View: grayed out when you have a 3D base
- Axis: manual scaling: improved warnings
- Contour map: contour fill is applied improperly for a specific grid
- Crash getting limits of Profile in Group when source deleted
- Crash when closing plot document
- Crash when closing Surfer
- Crash when going between 2D and 3D view windows
- Crash when undoing Reload Layer with Attribute Table open
- Error that the file contains an incorrect path when opening an SRF file and the data is not on the
- computer and then try to open data
- GDB import: "No geometry objects were found in the geodatabase" error upon import
- Internal Error after Grid Data because of invalid search parameters (gridder.cpp)
- Internal error opening file with 0 scale map transform (graphics3.cpp)
- Internal Error when adding base layer with extreme coordinates (axis.cpp)
- Internal Error when editing contour labels (uicontourlabeltool.cpp)
- Internal error when importing BLN file (and probably others) with infinite values (TrGraphics.cpp)
- STL files created in Surfer do not import with 3D geometry
- Swiss CH1903 LV03: incorrect WGS84 conversion factors (XYZ Displacement/Rotation)

Surfer 21.1.158 (May 5, 2021)

New Features and Improvements:

- 3D View: display 3D polylines, 3D polygons and 3D polymeshes in 3D
- Change To: convert regular points, polylines and polygons to 3D polylines and 3D polygons (and vice versa)
- Import: import 3D polylines, 3D polygons and 3D polymeshes as 3D geometry
- Properties: Coordinates: display and edit Z coordinates for 3D geometry
- Grids: calculate area and volume between contours
- 3D PDF Export: reduce file size of exported file using the grid surface "quality reduction"
- Display 32-bit BGRA images with or without transparency (turn off the alpha channel)
- DXF Export: option to export LWPOLYLINE with no ZLEVEL (2D flat polylines)
- Automation: all grid exporting/saving commands need an export options string
- Automation: ClassedPostLayer: new Class properties (including colormap)
- Automation: GridAssignNoData: use polygon boundary

- Automation: GridProject
- Automation: LabelFormat: DMSFormat and DMS options
- Automation: PointSample
- Automation: SaveFile [Grid]: use parameter for SpatialReferences

Fixes:

- 3D View: VRML Export: surface artifacts exist and blanked/NoData areas not removed
- Axes: Automatic Scaling should not default to something that gives you an error
- Axis Grid Lines: minor grid lines don't show up before first major tick
- Base from Data: doesn't import coordinate system information for data (e.g. from GSR2, PRJ)
- Base layer: Coordinates: when you move a polygon into base layer, the tracker isn't visible
- Convert Layer: converting to 3D surface creates empty map
- Coordinates Page marker tracker incorrect after moving shape within a Base Map
- Coordinates Page vertices do not update when moving shapes within a Group within a Base Map
- Crash after closing when displaying drop-down from Properties control
- Crash after pasting contour layer into base layer
- Crash in notifications when NotificationStatuses.txt has been altered
- Crash reports: thousands of ZIPs in Temp were created when report cannot be sent (connection issue, etc.)
- Crash when drawing filled contours after undo Break Apart
- Crash when Grid Data - Variogram after minimizing window
- Crash when Undo
- Endless Internal Error setting map scaling to 'inf' (axis.cpp, line 133)
- Export KML/KMZ: object IDs for point objects are not exported
- GPX Import Filter wasn't reading the elevation data
- Internal Error after closing a window (gscatch.cpp)
- Internal Error after creating 3D view (memorymappedcache.cpp)
- Internal Error after grouping/ungrouping objects (Scenelist.cpp)
- Internal Error when adding a profile over Z values with high number of sig digs (usertransform.cpp)
- Internal Error when converting a 2-grid vector to a 3D wireframe or 3D surface (iogrid.cpp)
- Internal Error when expanding Map and then delete (polygonnode.cpp)
- Internal Error when gridding data with Kriging (polarvariosurface.cpp)
- Internal Error when importing file with '%' character in filename
- Internal Error when opening a Surfer 7 SRF file with filled contours that have bad header info (contourfill.cpp)
- Internal Error when reshaping a polygon (reshapetool.cpp)
- Internal Error when Undo Order Change or Undo Delete (scenelist.cpp)
- Internal Error when undoing group with color scale after breaking apart layer (scenelist.cpp)
- Internal Error when undoing group, ungroup and reshape (gscatch.cpp)
- Internal Error with Grid Data using Kriging (kriginggridder.cpp)
- Internal Error: Grid Data: when loading settings for pages that don't use the settings

- KMZ import: File is stretched/wrong limits after import
- Objects are not grouping when the Attribute Table is open
- Open Grids: item added for each time you click on an open grid

---

Surfer 20.4.3 (June 14, 2022)

Fixes

- Updated licensing for security and compliance

Surfer 20.3.2 (October 18, 2021)

Fixes

- Updated licensing for security and compliance
- A minor lighting-angle calculation issue was fixed for cubes and 2D spheres when the VE was not 1.0
- Axes: Automatic Scaling should not default to something that gives you an error
- Crash when Grid Data - Variogram after minimizing window
- Endless Internal Error setting map scaling to 'inf' (axis.cpp, line 133)
- GsCrash: thousands of ZIPs were created in Temp when the report could not be sent
- Internal Error when converting a 2-grid vector to a 3D wireframe or 3D surface (iogrid.cpp)
- Internal Error when importing file with '%' character in filename (gscatch.cpp)
- Internal Error when reshaping a polygon (reshapetool.cpp)
- Internal Error when Undo Order Change or Undo Delete (scenelist.cpp)
- Internal Error with Grid Data using Kriging (kriginggridder.cpp)
- Internal Error with Grid Data when loading settings for pages that don't use the settings (CmdCrossValidate.cpp)
- KMZ import: File is stretched/wrong limits after import

Surfer 20.2.218 (March 3, 2021)

Fixes:

- 3D View: performance improvements so it is faster
- Axes: error opening SRF file which opened without error in previous versions
- Crash in worksheet after getting Invalid row number error
- Crash when using map wizard
- Error: encountered an improper argument saving to default Temp folder
- Error: encountered an improper argument when editing grid from internal storage
- Grid Calculus: error when selecting an existing grid ("Input grid must be at least 3 rows x 3 cols")
- Internal Error in worksheet when using Text to Number

- Internal Error when loading MIF (trgraphics.cpp)
- Internal Error when open an S10 SRF file with inappropriate axis scaling settings in S16 (axis.cpp)
- Internal Error when pressing left arrow key (scenenodetreectl.cpp)
- Internal Error when saving a grid with 1-grid node dimension (iogrid.cpp)
- Notifications: message text is too small to read on high resolution monitors
- Notifications: users often see "error occurred when we tried to download the latest notifications"
- Save: improve the save process for SRF files to not rely on the Temp folder when resaving

Surfer 20.1.195 (January 5, 2021)

New Features and Improvements:

- New Map Type: Peaks and Depressions
- Base Map: use attribute as Object ID for polylines, polygons, points
- Grid Info: Polygon Boundary: report statistics for each polygon individually
- Grid Volume: Polygon Boundary: report volume for each polygon individually
- 3D View: 3D PDF Export: reduce file size
- 3D View: 3D PDF Export: speed up export
- 3D View: add color scale bar
- 3D View: Antialiasing (improve appearance of grid lines, axes, text, etc)
- 3D View: export to VRML
- 3D View: light 3D point symbols (spheres, cubes) based on Environment Light Position
- 3D View: Vector Contours: use same line properties (width, color) as original contour lines
- Automation: add Base from Data
- Automation: add new top level legend
- Automation: add Base layer symbology
- Automation: CoordinateSystem: New Local System (WKT parser should support LOCAL_CS)
- Automation: GridData: have Grid Z Limits option
- Automation: GridData: have Z Transform option
- Automation: GridData: save and load the grid settings files (*.srfgds)
- Automation: add new map scale bar options
- Automation: MapFrame: set ScalingRatio
- Automation: PostLegend: add new properties
- Automation: VectorLegend: add new properties

Fixes:

- 3D View: 3D surface map and 1-grid vector map with same source grid creates two surfaces
- 3D View: Disabled surface texture appears in 3D PDF export
- 3D View: Title angle does not rotate title text
- Contents: Undo deletion: layers from different maps are selected in Contents
- Crash after creating 3D view

- Crash when closing Surfer after printing
- Crash when importing multiple files
- Crash when opening an empty PDF file to Surfer
- Double click on BAS opens empty Scripter
- EMF export: Rotated text exports as polygons/polylines for certain degrees of rotation
- Internal Error (cacheejectionlru.cpp)
- Internal Error after clicking to 3D view and getting error can't transform coordinates (gscatch.cpp)
- Internal Error after creating 3D Surface map (graphics3.cpp)
- Internal Error after exporting the 3D View to 3D (stratosstatemanager.cpp)
- Internal Error in 3D view with Walk (statepresenter.cpp)
- Internal Error when cancelling 3D View flythrough (grid.cpp)
- Internal Error when closing Surfer (autodocuments.cpp)
- Internal Error when creating contour map (with fill) from Grid Calculus command
- Internal Error when loading an ASC grid (trlattice.cpp)
- Internal Error when set contour smoothing (contourlabeler.cpp)
- Internal Error with Undo (scenelist.cpp)