

Surfer 15 Version Info

Surfer 15.5.382 (June 7, 2018)

New Features/Improvements

- ESRI Personal Geodatabase (*.MDB) import
- Control export of blank values when saving grid files to DAT XYZ
- Ribbon: Home page: Help group was added
- Color Scale (Continuous): "Labels per Decade" should be set to All by default when using logarithmic scaling
- Updated LAS/LAZ import libraries
- Grid Slice: Make it more discoverable to export just a BLN with no DAT (or vice versa)
- Add the coordinate system EPSG 2169 (Luxembourg)

Fixes

- Enhanced Metafile (not broken) gets smaller and bigger as you free rotate
- PDF imports blank page if converter plug-in fails
- Internal Error when Undoing coordinate system (polygonnode.cpp)
- Internal Error when playing fly-through (grid.cpp)
- Base map: Position field for point is reported incorrectly in Properties when map is in projected coordinates
- Crash when maximizing Surfer from Taskbar
- Internal Error when importing DXF file (TrGraphics.cpp)
- Point sample: only bottom post layer in map is being used
- Wizard Grid Data: log transform is performed after every preview until error occurs
- Maps with geotransform open empty in previous versions
- Error when opening an SRF file (plotdoc.cpp)
- Internal Error when exporting filled contour layer to GSB file (TrGraphics.cpp)
- Crash in comctl32.dll when editing properties
- Automation: contour levels are not refreshing
- Automation: Bad index opening documents from Welcome dialog
- Georeference Image: Incorrect output when using lat/long coordinates
- Crash when reloading data
- Automation: LiDAR import ignores classification
- Base Map: TIFF file with compression mode 7 (jpeg) and 4 samples per pixel imports as blank base map
- LAS Export: LAS files saved from Surfer can't be opened in ArcGIS
- Can't import BigTIFF file format (was file read failed, tries to load as STK)
- SHP Import: unable to import due to invalid shape type 4294967295
- PDF vector import: raster and vector layers don't overlay
- Internal Error when adding a base layer from server (stratosview.cpp)

Surfer 15.4.354 (April 10, 2018)

Fixes

- 3D View: Properties window title doesn't update with correct surface
- 3D View: surface background reappears after map edits
- 3D View: Zoom In with mouse wheel or Realtime gets 'stuck'
- Assign Coordinate system dialog does not cancel properly
- BNA Import: Internal error when ellipse object in BNA file has bad radius
- Cancelling of map coordinate system changes still changes the coordinate system in map
- Color relief base layer disappears when tilting a layered, projected map
- Crash in StratosView.cpp when creating 3D view from wireframe and video driver is missing a required feature
- Crash when adding a viewshed layer
- Crash when creating 3D view from files with very large (or very small) extents
- Crash when creating a watershed layer
- Crash when creating contour map
- Crash when cross-validating during gridding
- Crash when saving an old SRF file in the new format (SceneNodeSerializeProxy.cpp)
- DMS to DD: error when decimal separator is a comma
- DXF Import: Aborts import with no message when end of DXF file is missing
- Error using NTV2 datum to reproject a NAD27 map to NAD83
- Error when loading variogram "vector <T> too long"
- File | Export: exporting BLN with reversed axis has incorrect coordinates
- Georeference Image: calibration points should display in the dialog
- Grid Assign NoData: unable to blank a grid properly with a drawn complex polygon in a base layer
- Grid Editor Contents window gets out of sync after close/open cycle.
- Grid Editor: Brush size can be incorrect
- Import PLY: no known objects error
- Internal Error after changing coordinate system (Axis.cpp)
- Internal Error in CoordinateSystem.cpp when opening point cloud layer data
- Internal Error when creating a profile (GraphNode.cpp)
- Internal Error when opening DAT file (TrLattice.cpp)

- Internal Error when opening SRF file (File Units.cpp)
- PDF Import: Raster images from some PDF files are skewed/scrambled when using "alternate rasterizer plug-in" option (aka the GDAL raster option)
- PDF vector import: Don't import objects outside the PDF mediabox
- PRJ for Fiji Map loads ellipsoid as Naval Weapons Lab instead of WGS 1972
- Recurring 'too many levels' error when switching contour map sources with different grids
- Residuals: "Residuals" header is being entered as Z for blanked node

New Features/Improvements

- PDF vector Import: select which layers from PDF to import
- Grid Editor: Zoom Rectangle
- Replaced outdated "Browse for Folder" dialog under File | Options
- Replace outdated Open, Save, Grid Info icons in Properties window
- Post Maps: issue warning that you'll lose custom label edits when changing the Map coordinate system
- SHP Import: add support for multipatch objects

Surfer 15.3.307 (January 24, 2018)

Fixes

- TIFF Import: custom blanking/nodata value not recognized at/near limits
- Corrected a problem introduced in 15.2 where the Contents and Properties were not displayed correctly in the 3D view

Surfer 15.2.305 (January 23, 2018)

Fixes

- Image Export: Surfer freezes after export of a large image file
- GeoTIFF with north polar stereographic projection importing as "unreferenced"
- Export KMZ: Error exporting large Color Relief maps to KMZ
- Double precision Fortran numbers no longer recognized as numeric
- Download Online Maps: Geoportale Nazionale WMS servers not recognized as valid
- LAZ open: silently quits
- SHP Import: Keep partial import if invalid shape type is encountered partway into a shapefile
- Plot View: Empty Contents pane
- SRF file size: setting coordinate system increases file size significantly
- Base Map (raster): image loses resolution when change limits
- Internal Error when opening an SRF file in module Stratos (LinearRelativeToSurface.cpp)
- Map Wizard: Gridding page: Internal Error when gridding insufficient data with Z transform set to Log
- Crash when saving a file that contains a 3D view with a flight path, after the grid was deleted
- Internal Error when after copying (SceneNodeSerializeProxy.cpp)
- Slow redraw with large raster base map and geotransform
- Internal Error when setting symbology to Unclassed Colors (ColorMap.cpp)
- Crash when Reload Map Data with open base layer group
- Internal Error when opening Surfer 7 file (Archive.cpp)
- Download Online Maps: image is invisible after converting from lat/lon to Polyconic
- Grid Info in the Open Grid dialog shows incorrect X and Y max values

New Features/Improvements

- Added support for NOAA polar stereographic projections
- Multithreading: added an option to limit the number of processors used

Surfer 15.1.285 (December 13, 2017)

- 3D View: color relief only displays color when base layer exists
- 3D View: Fly-Through: Crash when record (iyuv_32.dll)
- 3D View: Internal Error when previewing flight in KeyFrame.cpp
- 3D View: Internal Error while Panning (ZoomingTrackball.cpp)
- 3D View: Vertical Exaggeration: the slider isn't sliding to appropriate values with geotransform
- Base Symbology: Classed Symbols: clicking Apply reverses the color when Min=Max
- Contour Levels: Unable to set maximum contour equal to minimum contour and vice versa
- Crash when adding/editing watershed layer to S14 SRF file in S15
- Crash when disk is full while exporting to a PNG file (ntdll.dll)
- Crash when export to KMZ file (ioKmlu)
- Crash when importing TIF files with bad field counts in IFD headers
- Crash when move post label after undo (Surfer.exe)
- Crash when saving SRF file with profile after loading TIF (surfer.exe)
- Crash when trying to group 3D surface in StratosView.cpp
- Export PDF raster: page size in cm is exported in inches (but using cm values)
- Georeference Image: unending error (Coordinate system conversion cannot be completed. Unable to compute matrix for the given control point set.)
- GPX: import gives error "not well-formed (invalid token)" and doesn't load
- Import KML/KMZ: transparent PNG doesn't import as transparent

- Import uses a different format if one was previously selected
- Internal Error after georeferencing an image in Axis.cpp (KERNELBASE.dll)
- Internal Error after georeferencing an image in GeoreferenceGridView.cpp (KERNELBASE.dll)
- Internal Error after using Reload Data on base from data layer
- Internal Error in General Polygon Clipping Library while editing contour labels
- Internal Error or crash when loading XLSX file from floating properties window in PropWin.cpp
- Internal Error when deleting 3D surface map used to create 3D view (StratosStateManager.cpp)
- Internal Error when georeferencing an image in GeoreferenceDoc.cpp (KERNELBASE.dll)
- Internal Error when gridding a grid in UiFileOpen.cpp (KERNELBASE.dll)
- Internal Error when internal filter index is zero in FileDialog.cpp
- Internal Error when opening an SRF file with point cloud layers w/out the LAS/LAZ file
- Internal Error when opening S9 SRF file in ReliefLayerNode.cpp
- Internal Error when saving a S14 SRF file with a watershed layer in S15 (SceneNodeSerializeProxy.cpp, KERNELBASE.dll)
- Internal Error when saving an SRF with profile but no map in SceneNodeSerializeProxy.cpp
- Internal Error: when adding a point cloud layer to an existing point cloud/3D view (MapFrameNode.cpp)
- Open Grid goes to directory above the last directory accessed (Info, Volume, Project, Point Sample)
- PDF import filter won't open files with Unicode characters in the name
- Post Map: leader line is not connected to label bounding box when increase width
- Post map: leader points in wrong direction when small labels get too close to symbol
- Text Editor: Fraction template line is shifted
- VirtualBox Crash creating 3D view from any map
- Worksheet: Crash when Undo and Redo while editing a cell
- Worksheet Transform: Wrong result from calculation

Surfer 15.0.263 (November 7, 2017)

- First released version of Surfer 15