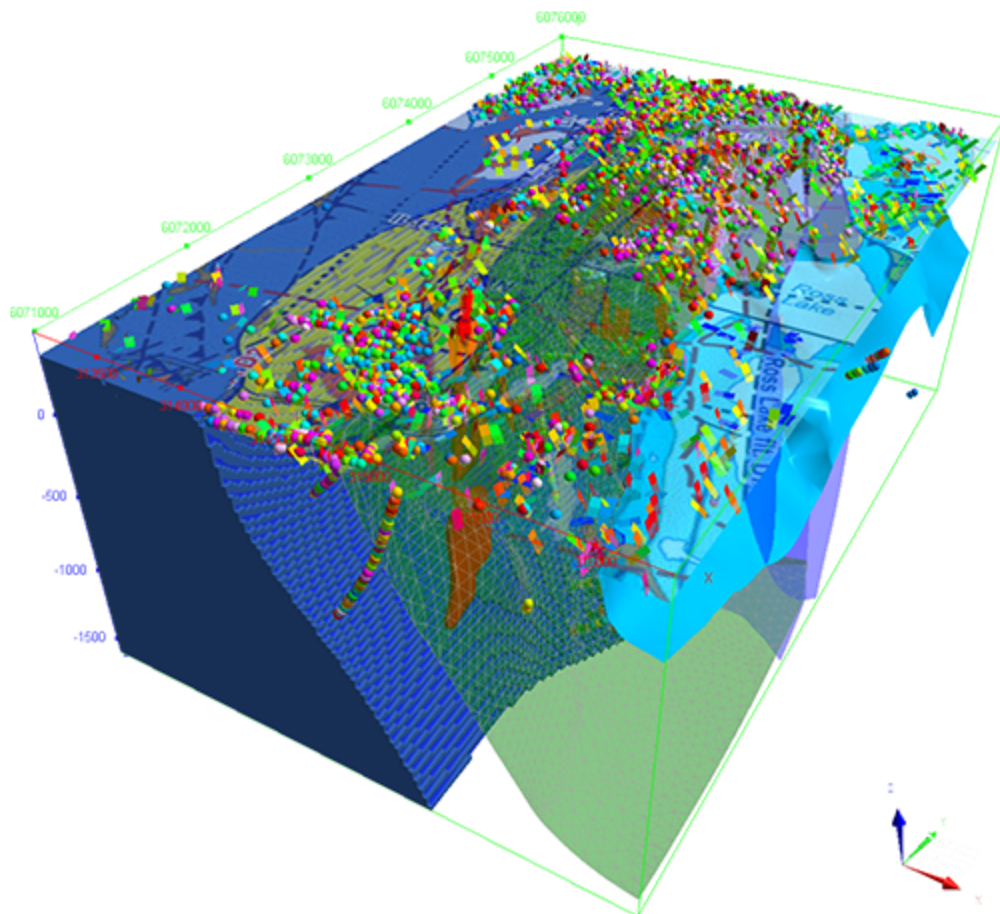


## Geoscience ANALYST 2.71 - Release notes



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## Patch 2.71

This patch version provides bug fixes and minor enhancements to the previous [2.70 release](#).

### Enhancements

#### Geoscience ANALYST free viewer

- Support for Block Reference entities when importing AutoCAD files (.dxf, .dwg).
- Importing an attached .geoh5 file imports as a container folder, instead of loading as a new workspace.
- When a CSV file fails to load, the error message reports the number of the invalid line in the file.
- Upon notification of a new software update, clicking on "Remind me later" will silence the notification for a week.

#### Connectivity to Geoscience INTEGRATOR

- When selecting a data set of Geoscience INTEGRATOR, its bounding box and its name are displayed in the viewport.
- Loading a file from Geoscience INTEGRATOR automatically downloads and uses the available companion files (e.g. .jpg image and .jgw world file).
- Sensors objects from a Microseismic data set stay hidden, although automatically loaded. They can still be made visible in the viewport from the Object Panel as any other objects.
- Files under *Documents, Files, and Maps/plans/sections* are listed in alphabetical order.
- Exposes the list of properties for *Data sets (files)* from Geoscience INTEGRATOR version 3.0.

### Fixed issues

#### Geoscience ANALYST free viewer

- Flat profile lines in viewport are easier to grab and rescale with mouse.
- Loading an AutoCAD file (.dxf, .dwg) properly ignores entities from the layout spaces.
- Drillhole logs are now correctly displayed along highly detailed paths.
- Drillhole logs are rendered in viewport even if some other drillholes in the same group have empty data.
- Upon opening of the workspace, displayed interval logs are painted with the right colours.
- Interval logs with a single interval are displayed correctly.

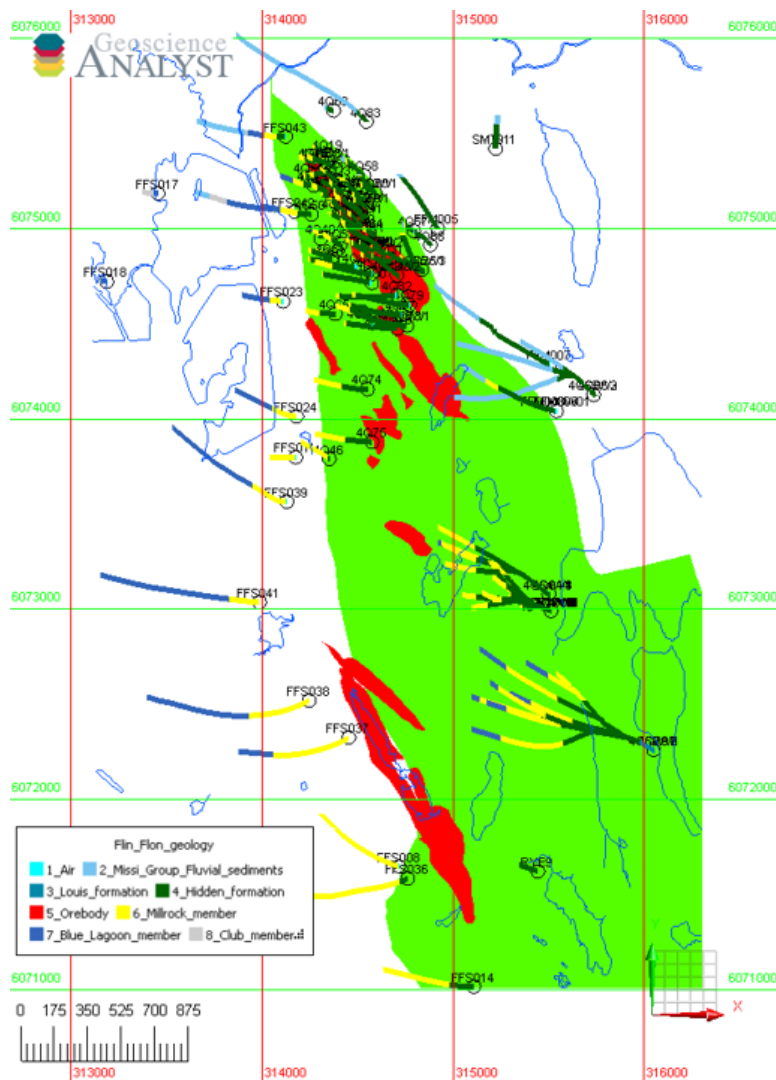
- Definition of discrete properties from GOCAD ASCII files ( `.vs`, `.vx`, `.wl`, `.mx`) are correctly interpreted upon import.
- Properties read from GOCAD ASCII files are correctly assigned the *reference* or *float* type.
- Import of large CSV files with many empty rows does not hang anymore.

## Connectivity to Geoscience INTEGRATOR

- Passwords for Geoscience INTEGRATOR with non-ASCII characters are recognized.
- Files from Geoscience INTEGRATOR that have the same name, but different extensions, are all listed.

## Version 2.70

This latest version of Geoscience ANALYST introduces 2D views, allowing you to see your models in a 2D viewer, to better display mine level plans, topographic and geological maps, or other required map-based visualizations of models and data. With multiple viewers, 3D models can be visualized side by side in 3D and projected in 2D.



3D model projected in map view. Ore body displayed on top.

This version also features a new query panel that connects to Geoscience INTEGRATOR (version 3.0) to allow you to find and display data sets intersecting a user-defined volume of interest or matching selected metadata values.

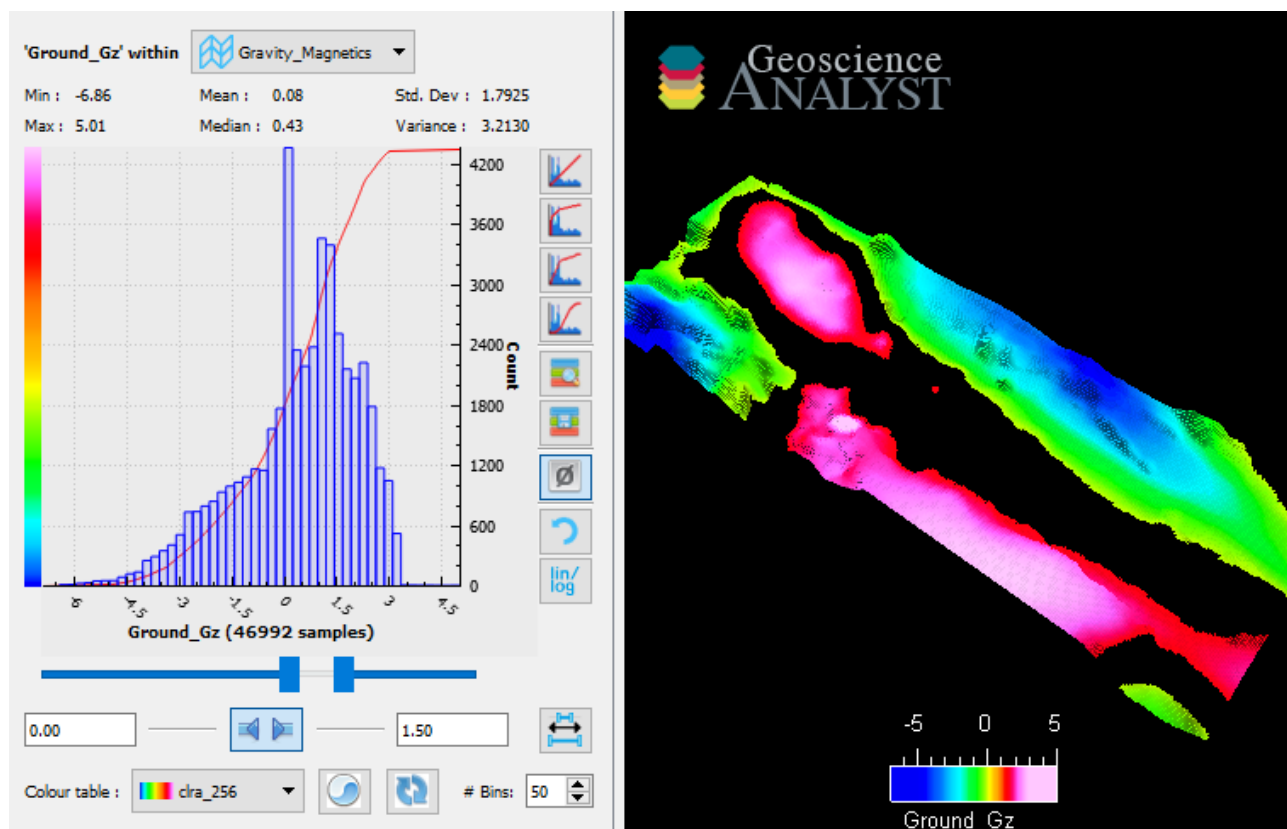
Low and high clipping value within the Data Colours panel can now be flipped to show data outside the defined range.

Other updates include improved support of AutoCAD files (.dxf, .dwg), with access to text entities, as well as new geometry types from ESRI shapefile (.shp).

## New and updated functionality

### Geoscience ANALYST free viewer

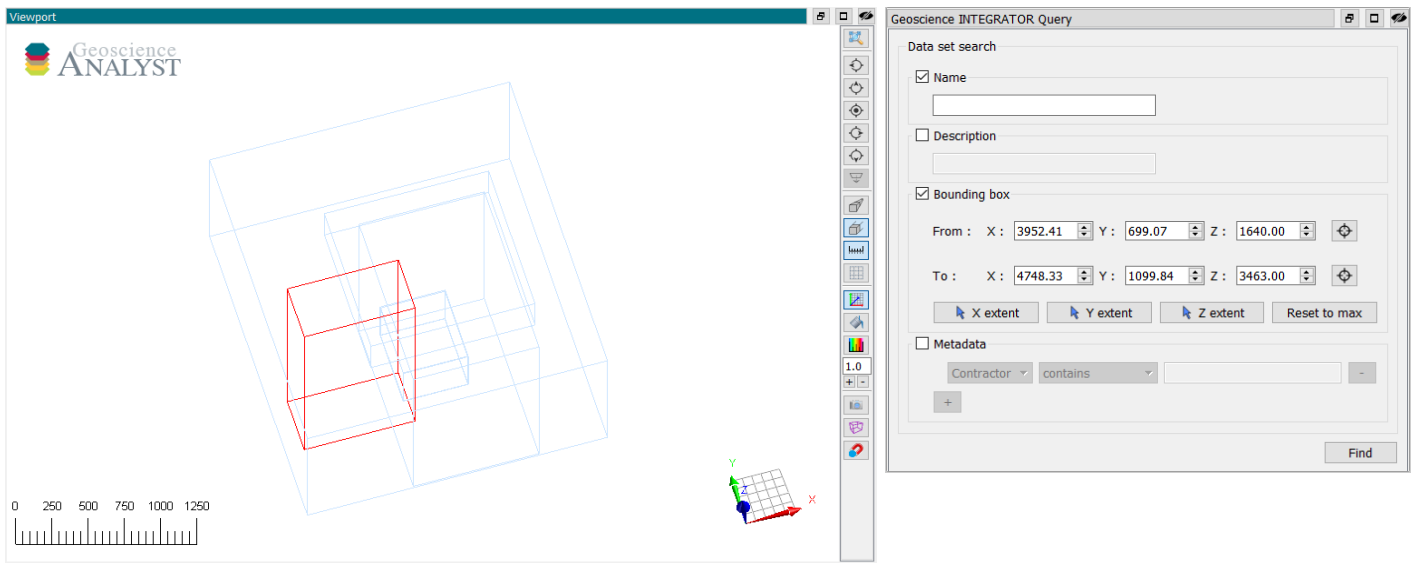
- Automatically moves to the front the panel selected from the 'Panels' menu.
- Inside / outside toggle button for quick data range filtering on all objects.
- Searching in Objects panel now highlights the found objects with their bounding box in the Viewport.
- Improved support of data types from ESRI shapefile (.shp). Now supporting: POINT, ARC, POLYGON, MULTIPOINT, ARCS, POLYGONZ. Polygons are loaded as closed Curves.
- Extended support for object types from AutoCAD files (.dxf, .dwg), including texts and labels.



Data Colours: hide data inside range

## Connectivity to Geoscience INTEGRATOR

- Exposes the description of data sets in the data table.
- New query panel to find and display data sets intersecting a user-defined volume of interest, or matching some metadata values.
- Supports new data themes: Ventilation, Gas monitoring, Geophysics and Remote sensing.
- Maps / plans / section files now appear as container groups in the objects panel. In the case of an AutoCAD file ( . dxf, . dwg ), the corresponding group has one child group per layer. Each file can then be imported with its data from a contextual menu on the corresponding group.



Geoscience INTEGRATOR Data set search

## Fixed issues

Several issues have been addressed. Listed below are prominent fixes:

### Geoscience ANALYST free viewer

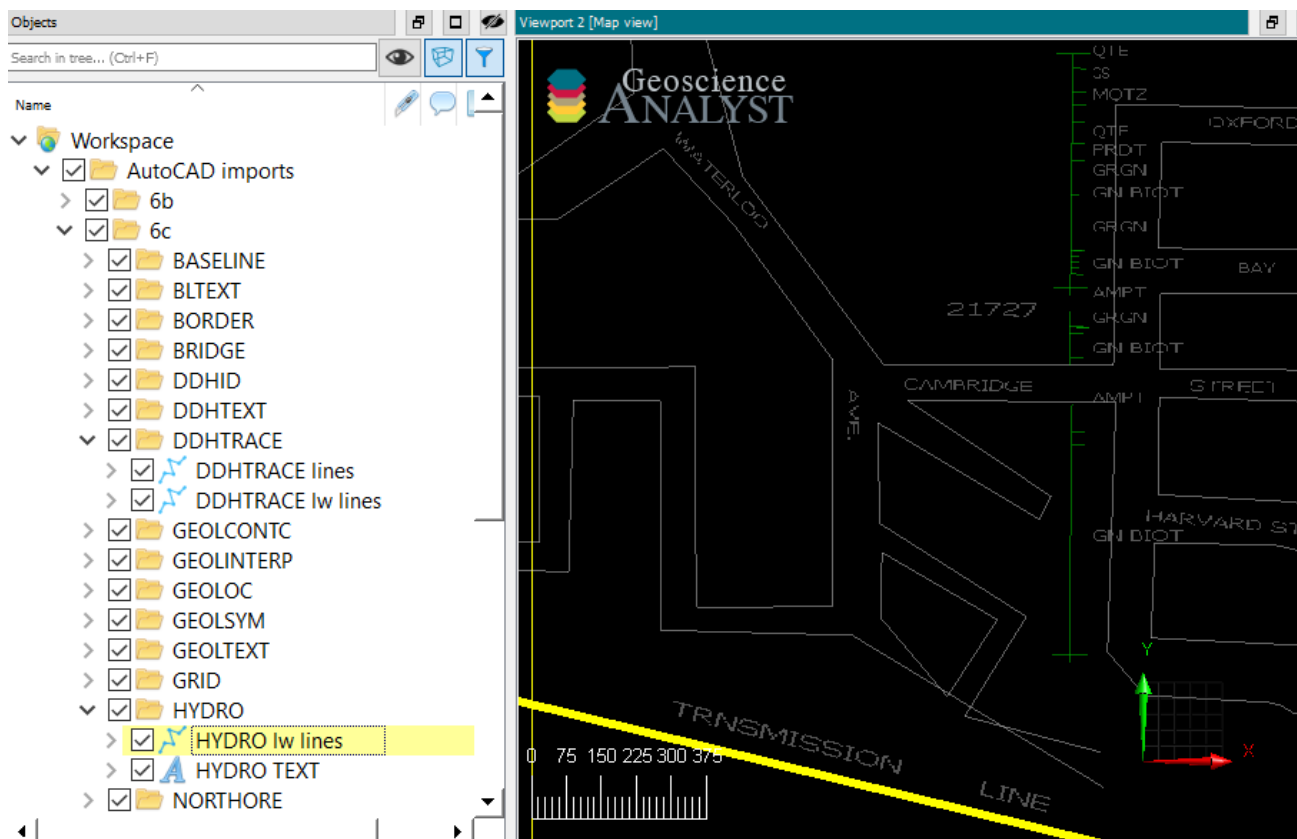
- On 2D Profile Viewer, colour settings now apply when showing a single channel.
- Now imports ESRI shapefile ( . shp ) with no Z value, by forcing the Z coordinate to 0.
- Improves support for some problematic large AutoCAD files ( . dxf, . dxf ).
- The slicer can now be moved with + and - keys, even with no numeric keypad.
- Highlight of points in the Viewport automatically refreshes when selecting another point symbol.
- When importing GeoImages, cells with no data values are now transparent.
- Interprets correctly white space characters in names when importing GOCAD ASCII files.



- Ensures that files written to older InSight format (.iws) can be re-opened.
- Improves graphics for a correct geometry on drillholes, that have logs with overlapping intervals.
- Ensures workspace files do not use extra space on disk due to references to deleted and inaccessible data.
- Avoids crash when importing some workspace files as a group container.
- Avoids possible crash when moving objects within the Object panel.
- Ensures correct rendering as Block Model of some problematic VP models from workspace files (.geoh5) created by VPutility.
- Makes sure Drillhole groups can be painted even if some Drillholes have empty logs.
- Rotated block meshes have their orientation symbols at the proper location.
- Easier to centre view on the right location when pressing C key and left mouse button on a Drillhole trace.
- Selection now highlights orientation symbols on surface and curve objects.
- Now centres view automatically on data when importing workspace files (.geoh5) created from GOCAD Mining Suite.
- Ability to load text data for drillholes as a point log.
- Avoids erroneous detection of tempered licence files that prevented the application from opening on some system configurations.
- Filters out degenerated triangles when importing AutoCAD files (.dxf, .dwg).
- In the 3D Viewport, clicking an orientation symbol on a curve object selects the corresponding node.
- Easier manipulation when selecting a profile line on drillhole or curve objects, in the 3D Viewport, in order to scale the profile lines.
- Refreshes the Data Colours panel when the current painted property changes.
- Avoids possible crash when deleting a node after having re-opened a workspace file.
- Faster processing of large numbers of closed curves when opening a workspace file.

## Connectivity to Geoscience INTEGRATOR

- Tags present at the data set level are now listed in the data set summary.
- Makes sure not to create logs with overlapping intervals when loading interval logs.
- Display more specific error messages, according to the network error, when a query fails.
- Avoids timeout when loading drillhole paths with many points, resulting in the proper path geometries.
- Cursor is now visible in the password field of the connection dialogue to Geoscience INTEGRATOR.



### Import of an AutoCAD file with text entities

Source: Geological Survey of Canada, Seismic and Magnetotelluric Data