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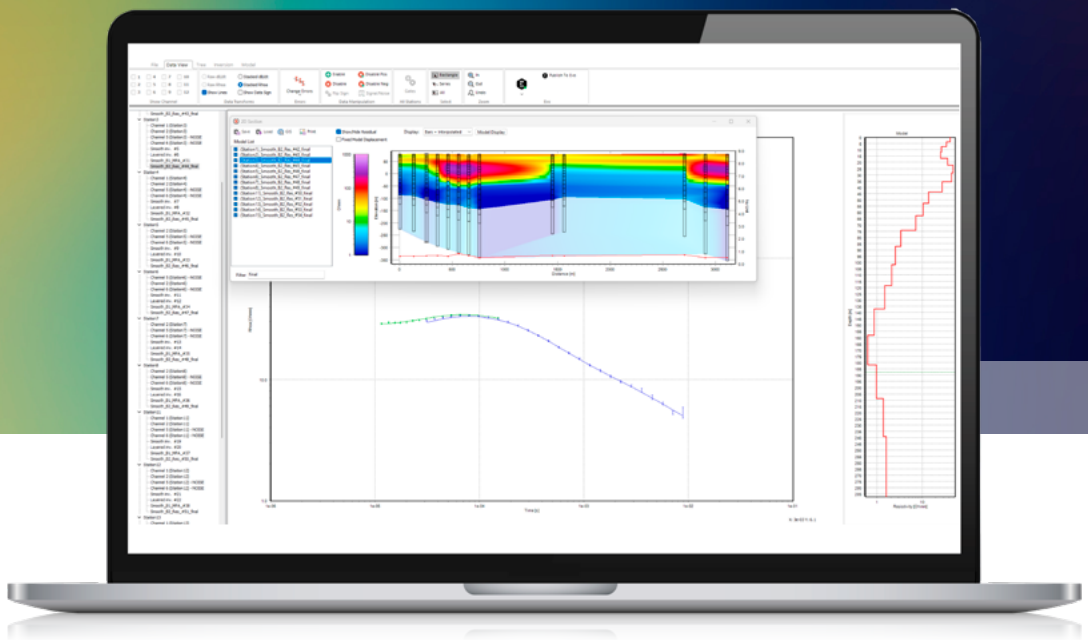
AGS | SPIA

SPIA 2025.1

new release



SPIA 2025.1 Release Notes

Smarter sections. Smoother workflows.

This release focuses on improving flexibility, visibility, and control across SPIA workflows. From keeping SPIA open while working in 2D Section to smarter exports and batch editing, every update supports QC-heavy workflows and collaborative interpretation.

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New and improved features in SPIA 2025.1

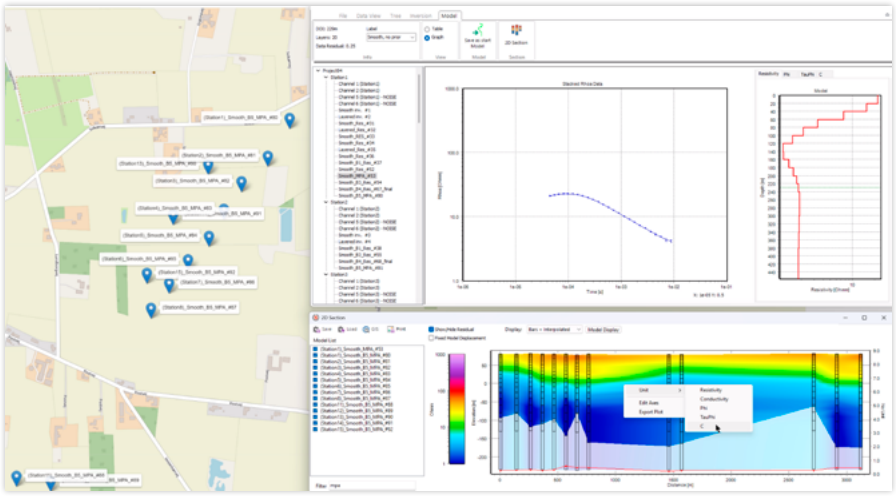
2D Section workflow upgrades

More flexibility, better visibility

This release brings a number of upgrades to the 2D Section workflow that make it easier to manage large datasets and collaborate across teams—especially in QC-heavy environments.

SPIA now remains open while working in 2D Section—eliminating the need to switch between tools. Model selections stay in sync, and selected models can be shown directly on the GIS map. Model names are now displayed on the model bars, and layer parameters can be adjusted with a right-click.

You can save and reload your 2D Section setup, export models (with colour scale) to PNG or BMP, and filter model lists using wildcards (e.g. “smooth*final”)—making it easier to focus on what matters most.

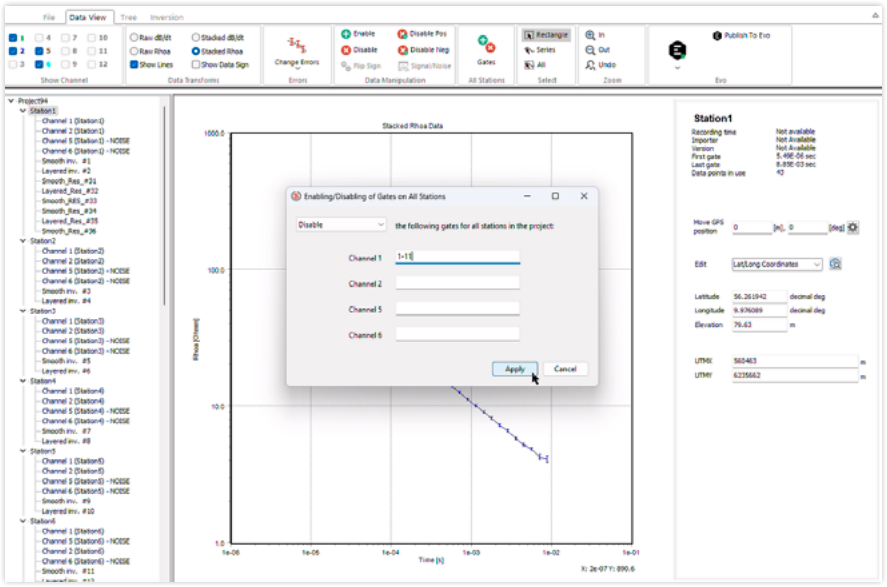


Inversion and editing improvements

More control, fewer clicks

Preparing models for delivery or managing large survey datasets is now more efficient.

You can choose between smooth-only or smooth + layered models when running inversions, multi-delete stations, channels, or models, and enable/disable selected gates across all stations. These updates reduce repetitive steps—streamlining inversion setup and enabling faster preparation of deliverables.

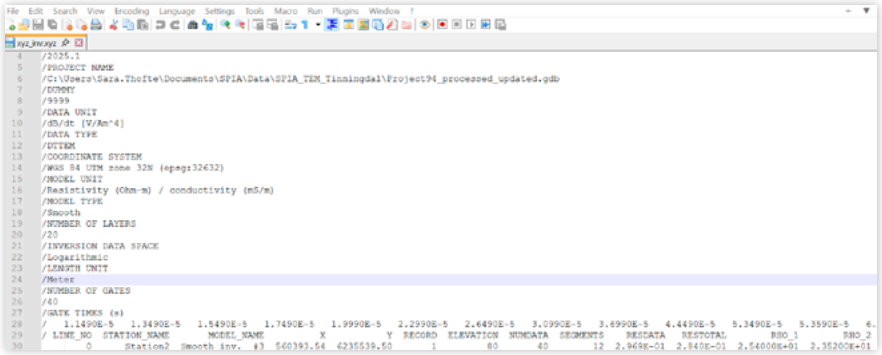


Smarter exports for clearer delivery

Cleaner outputs, clearer context

Delivering to clients or integrating with other tools is now more straightforward.

XYZ exports now include gate times, model units, and data units in the header—providing clearer context for downstream use. XYZ (by layer) export now includes station and model names, and 'final' models are now labelled with _final instead of an asterisk. These changes make exports easier to interpret and more consistent across platforms, supporting clearer communication of results.



Summary of new features

- Support for Bentley login
- Several new features for 2D Section:
  - Possibility to work in the SPIA main window while 2D Section is open.
  - Synchronisation of selected models in SPIA main window and 2D Section.
  - Show the selected models on GIS map.
  - Possibility to show the model node name on top of the model bar.
  - Change layer parameter unit on right-click (resistivity/conductivity/IP parameters).
  - Export entire panel including colour scale to PNG/BMP format.
  - Wildcard ('*') option for filtering model names.
  - Possibility to save setup to file for easy recreation of 2D Section view.
- When running standard inversion (both 'Run' and 'Run All'), you can now choose between smooth model only, or both smooth and layered.
- Possibility to multi-delete several stations/channels/models at once.
- Possibility to enable/disable selected gates for all stations in the project.
- Export models to XYZ formats: gate times, model unit, and data unit added to file header.
- Export to XYZ (by layer) format: station and model names added as columns.
- 'Final' models are now labelled with the string '*_final*' instead of an asterisk.

Bug fixes

- 2D Section: adding models one by one as interpolated could in some cases cause an error.
- Exporting models to Geosoft GDB did not work.
- Bug fix for export of models with varying number of layers.
- Multiselecting data channels could in some cases cause an error if the station had not previously been opened.
- Deleting a station could fail in cases where all stations were not previously loaded.
- Changing the 'Final' labelling from one model to another within a station did not work.