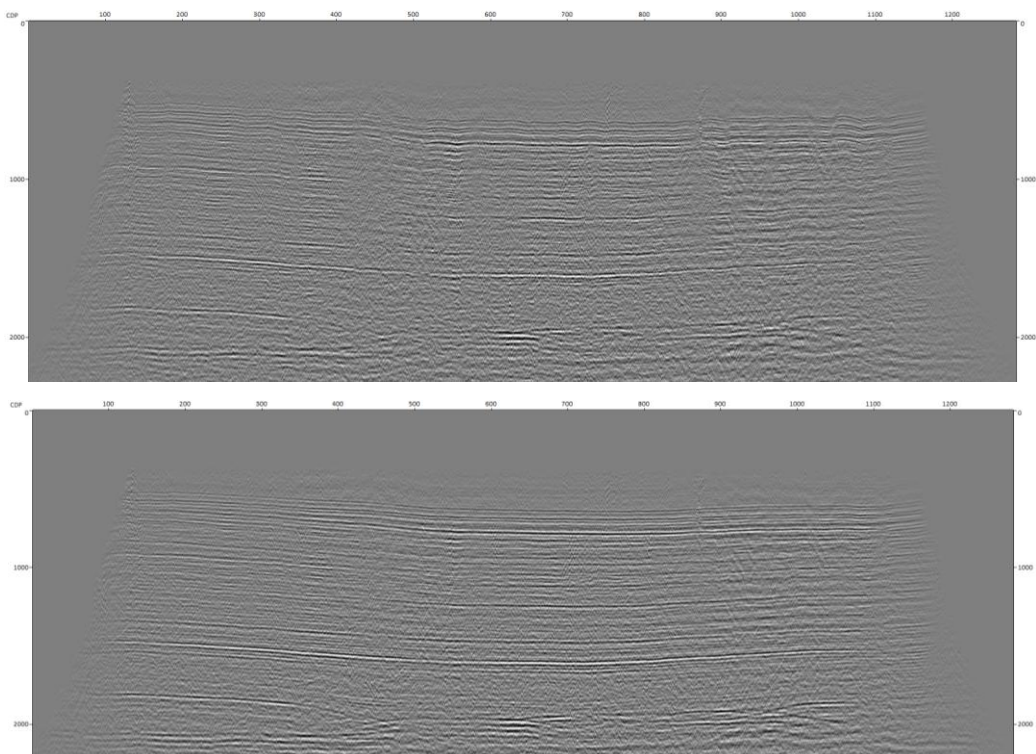


## RadExPro 2026.1 release notes

We are excited to announce the next version of our software -- **RadExPro 2026.1** !

Here is the list of the key improvements:

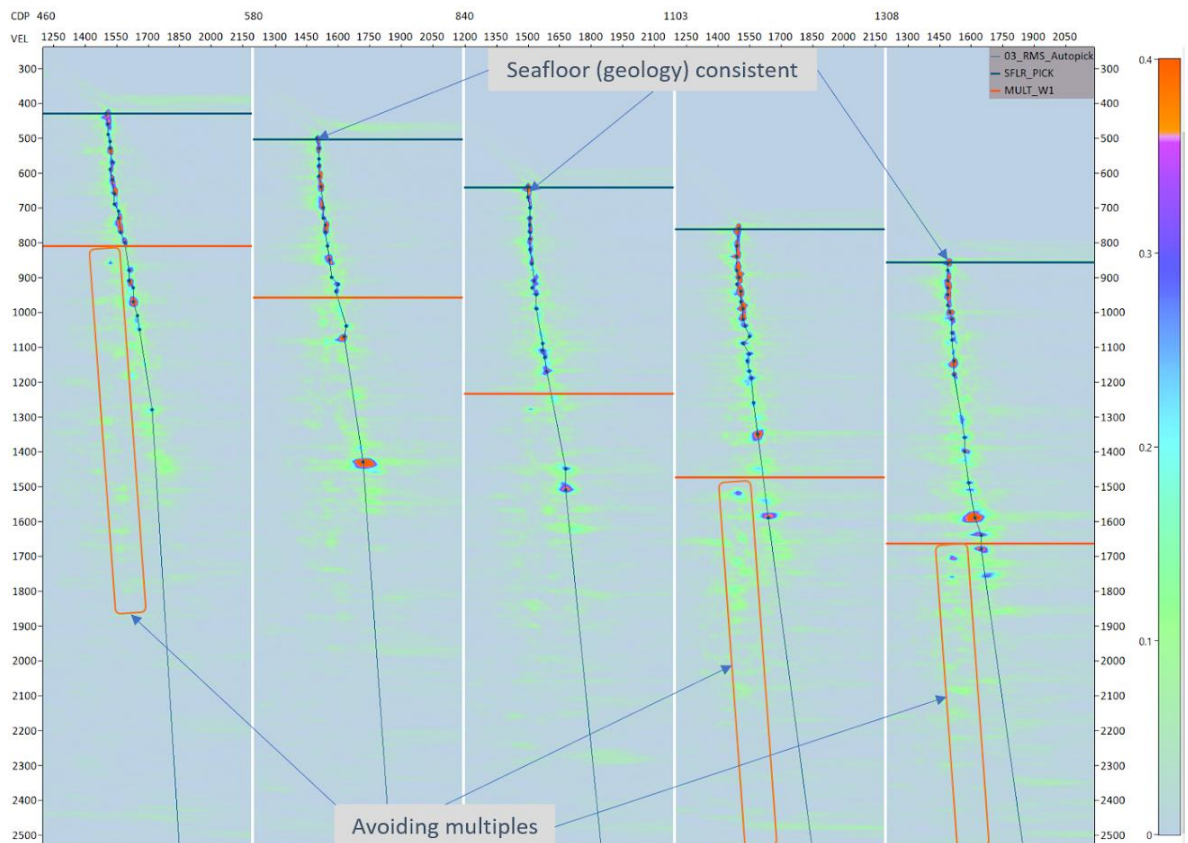
- The new **Residual Statics\*** standalone module estimates surface consistent residual statics on 2D datasets using robust statistics. The module inputs NMO-corrected seismic gathers and estimates the pilot stack with optional supergathering. Next, it applies a robust variation of Diminishing Residual Matrices (DRM) algorithm to the crosscorrelation-based shifts from pilot stack to come up with surface-consistent statics. There is an option for iterative pilot stack recalculation for further improvement of statics' accuracy.



*Stacks before and after Residual Statics (public Line 001 vibroseis dataset from Geofizyka Torun S.A, Poland)*

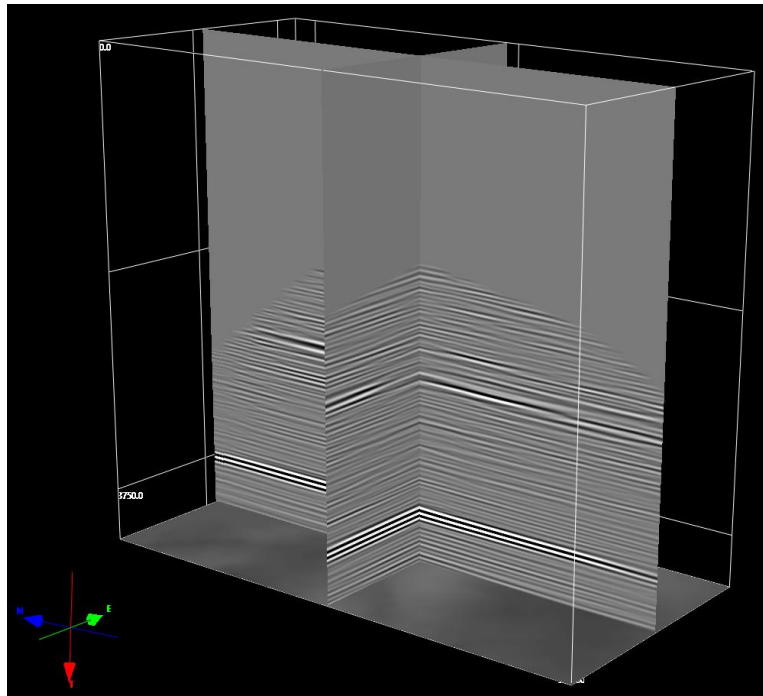


- The new **Automatic Semblance Picking** module automatically picks velocity functions from semblance outputs generated by the **Semblance Compute** module. The module allows creating dense and consistent velocity functions and, in some scenarios, completely avoiding manual picking. The picking is performed along a guide function, which can be made horizon-consistent. The resulting velocity functions can now be displayed on top of the semblances in the **Seismic Display** module.



*Automatically picked velocity functions plotted on top of the semblances in Seismic Display*

- The new **3D Fast VSP Kirchhoff Depth Migration\*** standalone module performs a 3D depth migration of VSP data with simplified travel time computation. It extends the 3D functionality of an older **2D-3D VSP Migration** module, adding a modern user interface, parallel computation, anisotropy and directivity correction for Distributed Acoustic Sensor (DAS) datasets. The module estimates the travel times in the subsurface with the anisotropic Alkhalifah-Tsvankin moveout model and conducts weighted summation along these travel times. The travel time computation approach places this migration in a space between the time and depth migration algorithms. Migration runs in parallel, so, for a moderate size of the survey, a 3D migration result can be obtained in minutes on a modern computer.

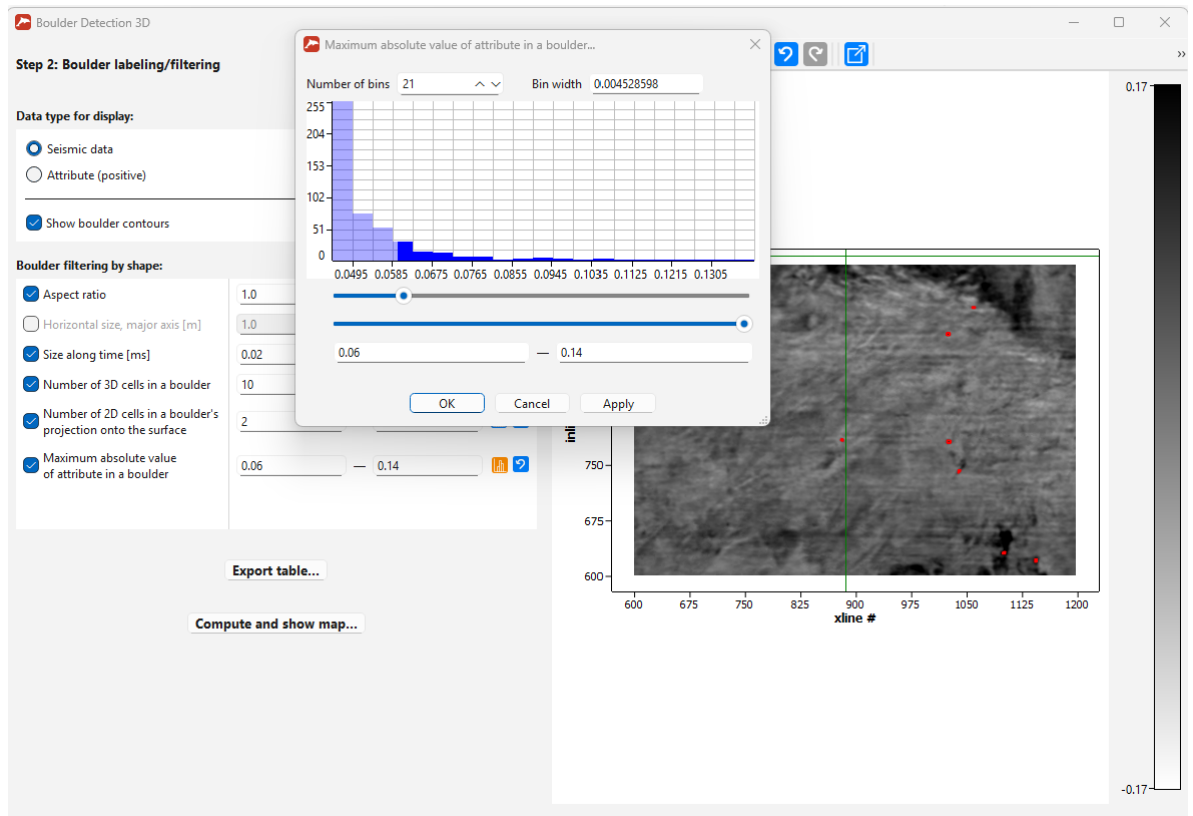


*3D Fast VSP Kirchhoff Depth Migration result of the public 3D DAS-VSP data from the Groß Schönebeck site (Martuganova et al., 2022)*

Martuganova, E., Stiller, M., Norden, B., Henniges, J., & Krawczyk, C. M. (2022). 3D DAS-VSP data from the Groß Schönebeck site, Germany, February 2017. GFZ Data Services. <https://doi.org/10.5880/GFZ.4.8.2022.014>

- We added parallelization to the **Semblance Compute** module, which now supports multithreaded computation.
- In the **Boulder Detection 3D/2D** modules, the threshold parameter can now be either *normalized* (always ranging from 0 to 1) or *not normalized* (using the actual range of the boulder probability attribute magnitudes). In the second step, we added another attribute that can be used to filter false positives—the *maximum absolute value of the attribute within a boulder*. In

addition, filter parameters for all attributes can now be selected using a histogram.



- We have transitioned a couple of modules to the new universal parameter style. These modules now offer full support for replicas and include standard export/import functionality. The affected modules are as follows:
  - **Semblance Compute**
  - **Text Output**

The following issues were fixed:

- The software does not make a difference between a 0 value and no value in a trace header field, as a result trace headers containing only zeros are considered as not assigned and cannot be saved -- **FIXED!**
- Wavelet Processor occasionally crashes the software -- **FIXED!**
- Seismic Display и QC Viewer - Fit to screen command also affects the header plot scales -- **FIXED!**
- Incorrect interpolation of interval velocities in the Velocity Table -> Trace Transfer module -- **FIXED!**
- Forward and backward Radon Transforms change the number of traces -- **FIXED!**

- NMO/NMI modify velocity check box does not work -- **FIXED!**

As always, if your licenses are under maintenance, feel free to contact us at [support@radexpro.com](mailto:support@radexpro.com) to receive your complimentary update.