

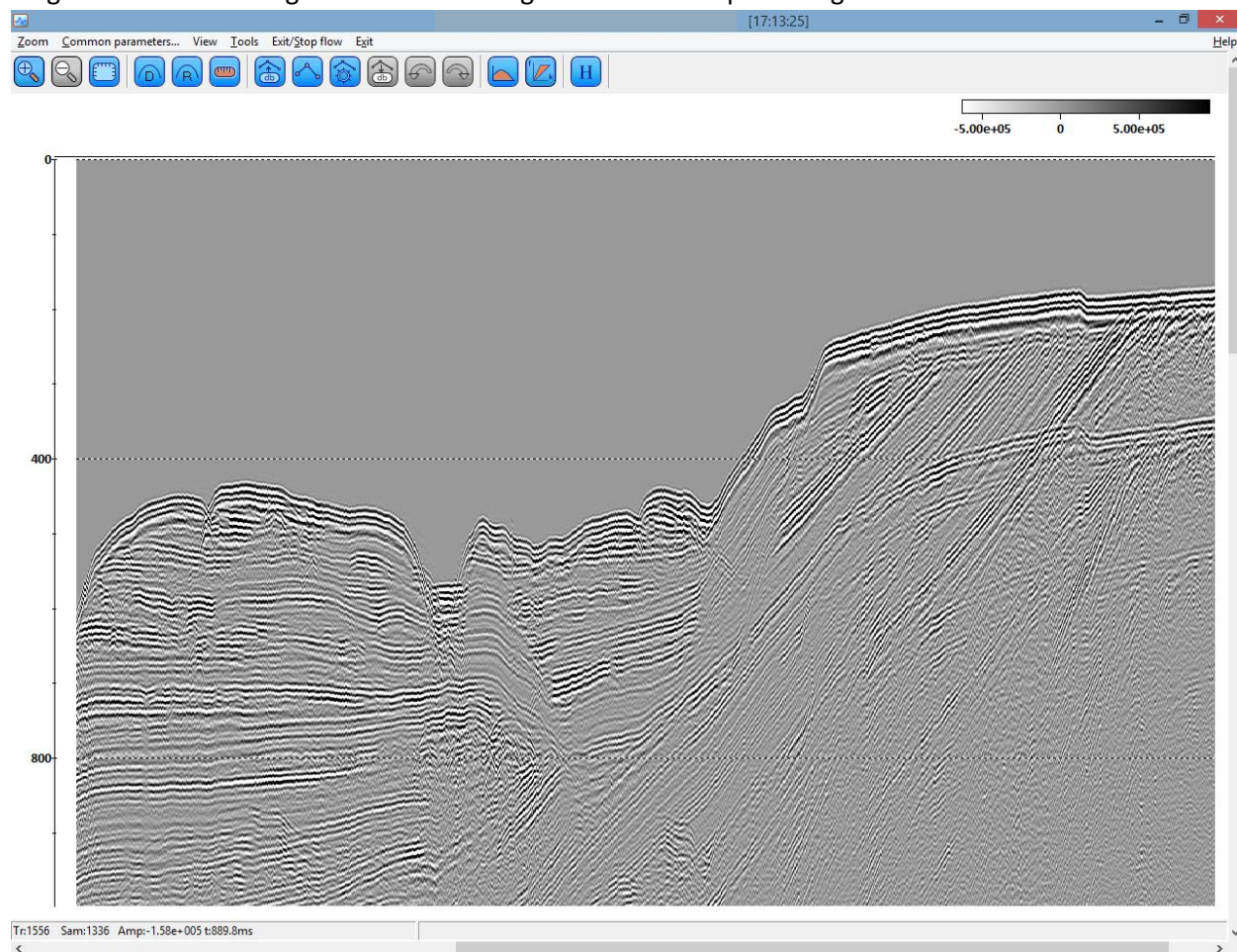
# RadExPro 2014.1 release notes

We are happy to tell you that the first RadExPro release of the year 2014 is ready now – the **RadExPro 2014.1**.

The main upgrades are as following:

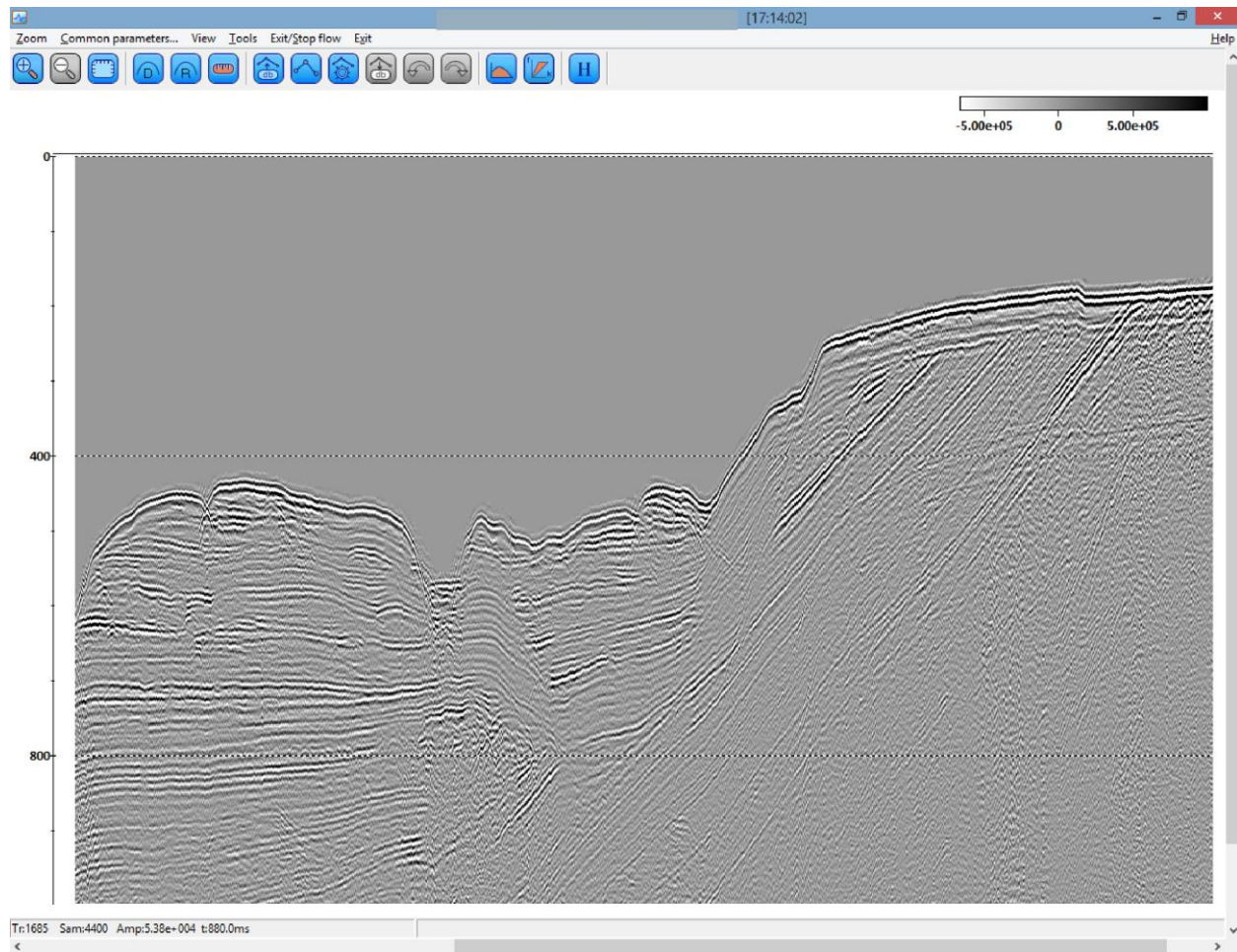
- **SharpSeis Adaptive Deghosting** module now offers efficient deghosting/broadband processing facility for HR/UHR marine seismic data.

Original data with a long wave train masking details and compromising resolution:



Result of SharpSeis deghosting:



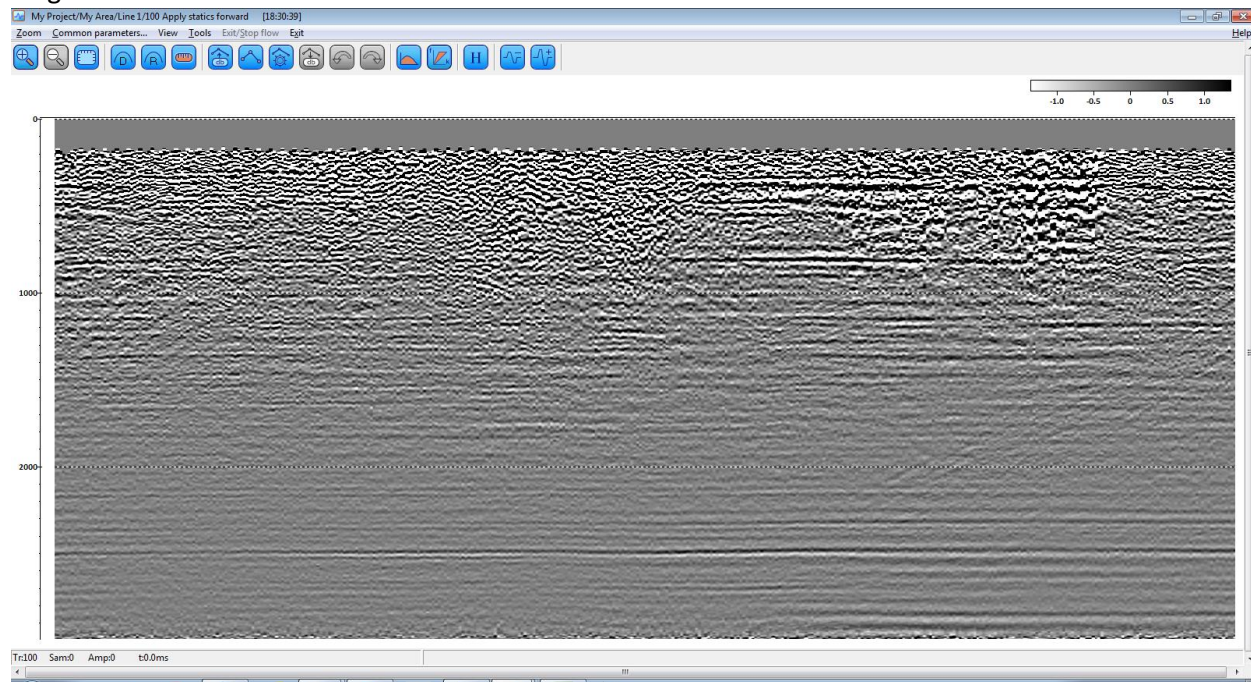


The module calculates inverse ghost operator from the data adapting ghost delay and amplitude within a sliding window to achieve better match to the real data everywhere along a time-section.

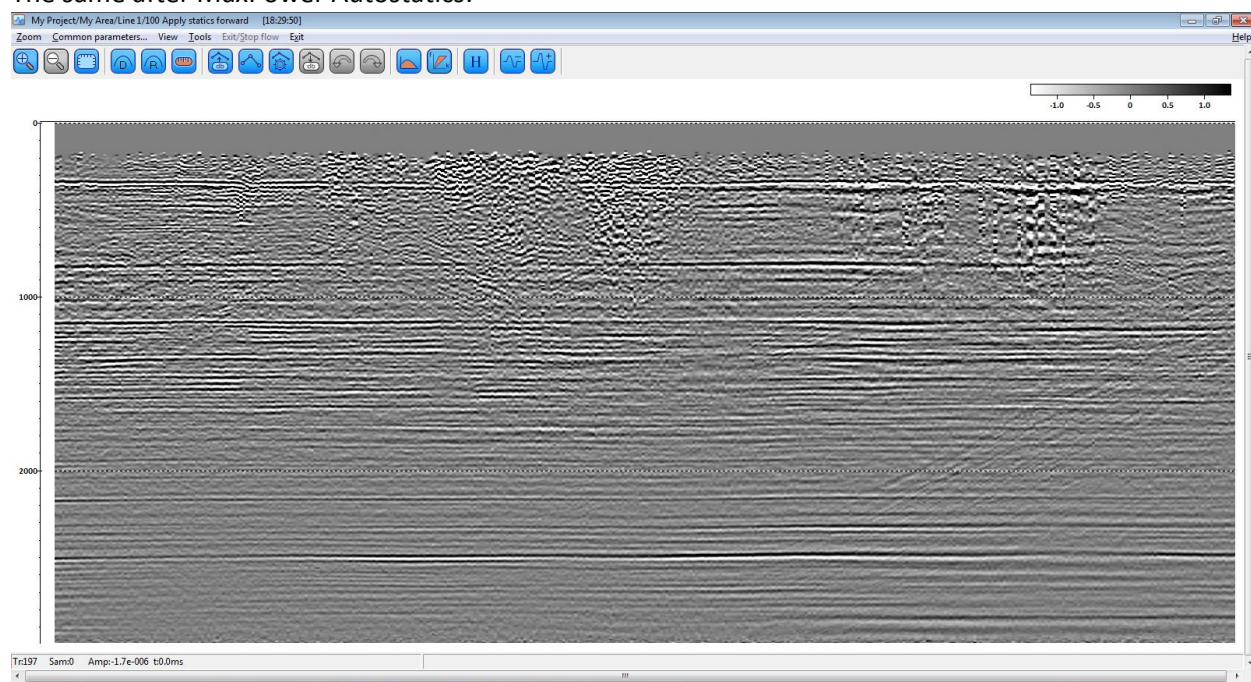


- **MaxPower Autostatics** module implements maximum stack power algorithm of residual static correction.

Original brute stack:



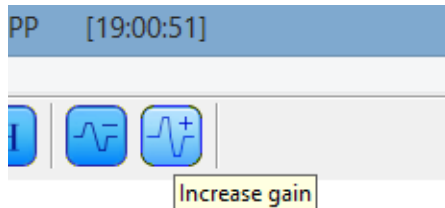
The same after MaxPower Autostatics:



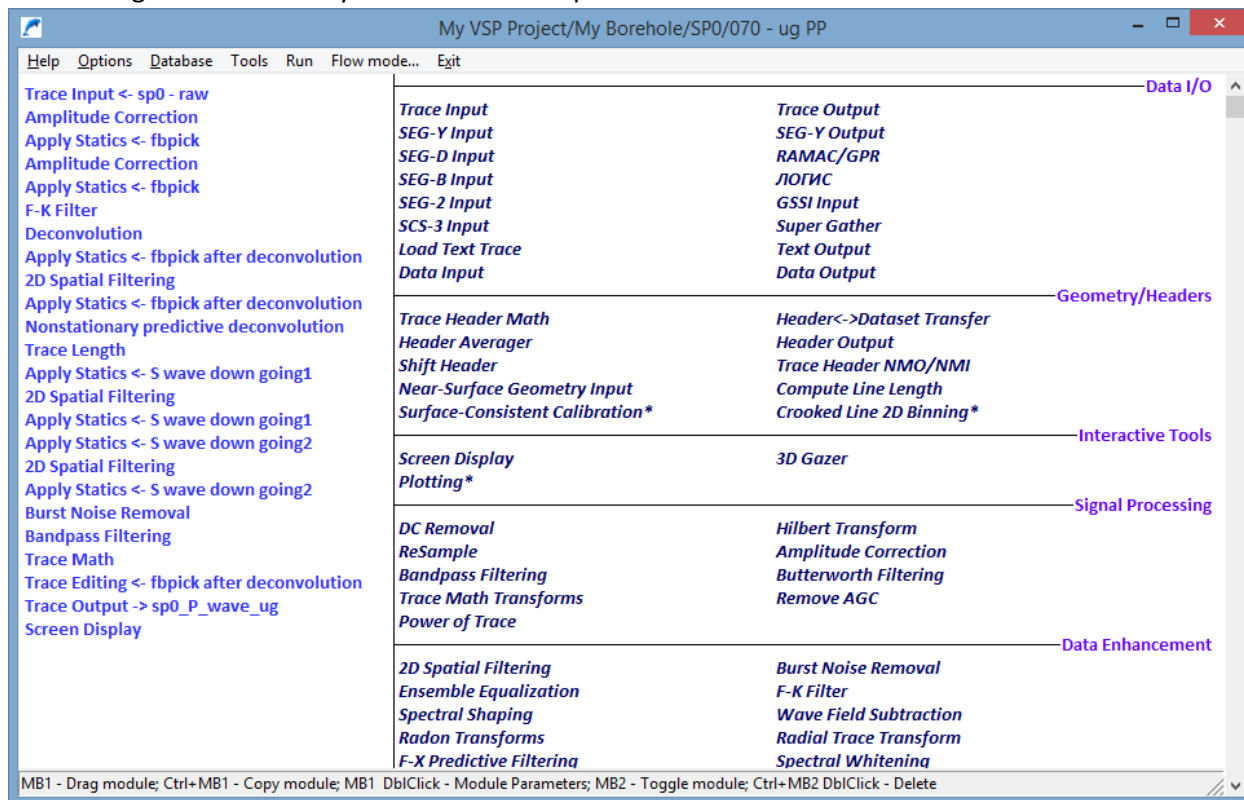
- **2D F-K DMO** module is available now to accurately transform NMO-corrected data to zero-offset, removing reflection point dispersal due to dipping reflectors and, thus, making application of zero-offset (post-stack) migration equivalent to pre-stack migration.

The DMO uses DMOOFF header field that shall be filled in by the new **Offset DMO Binning** module.

- New **Velocity Manipulation** module allows converting any type of velocities in the project database to any other type: RMS/interval/average, either in time of depth domain. It can also combine two velocity tables, averaging them where overlap.
- Interactive processing steps available in **Screen Display** are now being added to the common Undo/Redo stack and can be easily undone/redone through the toolbar buttons.
- Screen gain in **Screen Display** can now be changed “on the fly” by toolbar buttons:



- **Apply Statics** and **Trace Editing** now demonstrate their input horizons when in the flow, so you will never get lost between your mute or static picks.



- Some bugs were fixed in **Custom Impulse Trace Transforms** (failed to operate whis more than one matching field), **Trace Header NMO/NMI** and **2D Spatial Filter** modules.

As usual, we encourage our customers with active maintenance to contact us at [support@radexpro.ru](mailto:support@radexpro.ru) and receive the update for free.