

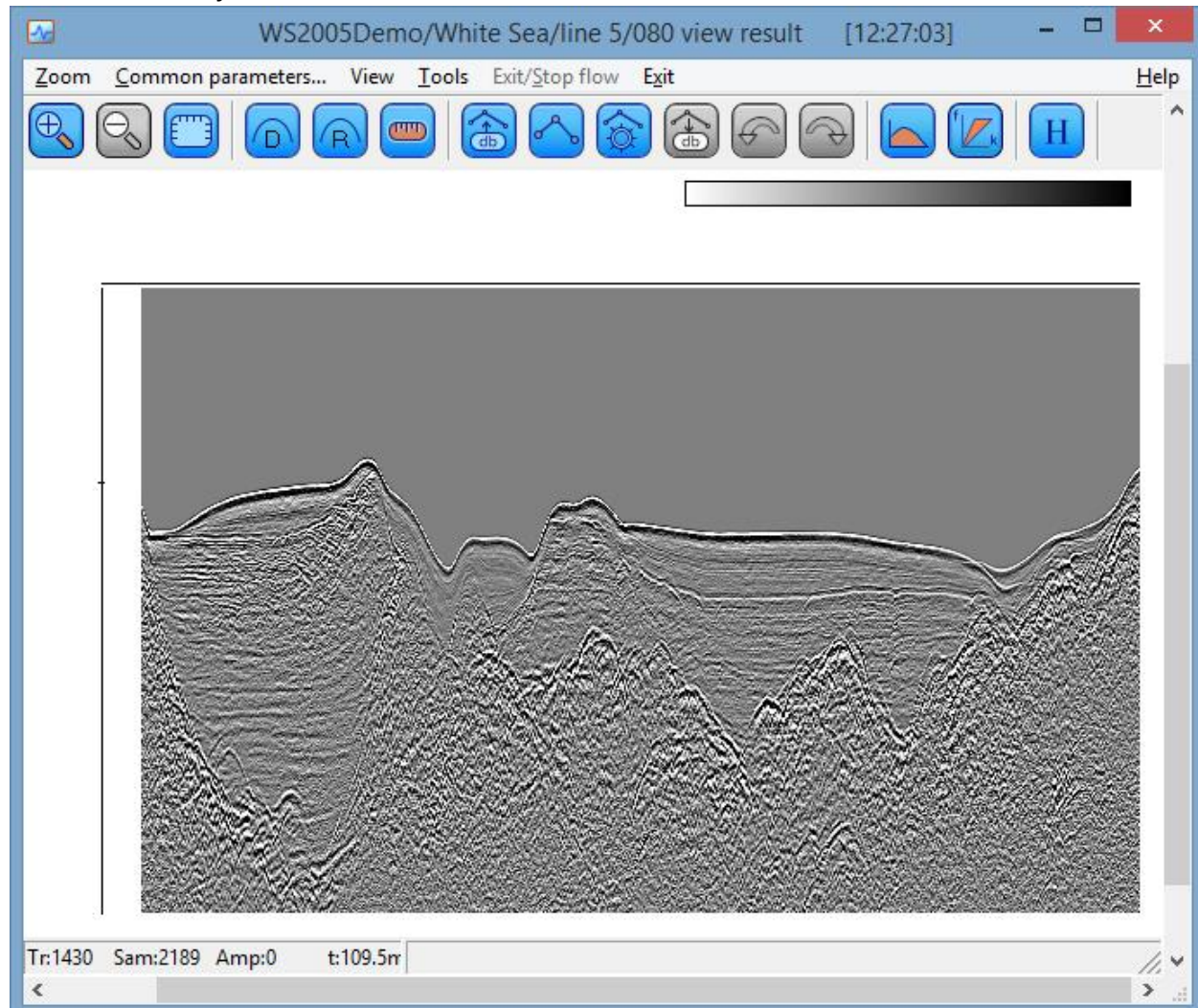
RadExPro 2013.3 release notes

We are happy to announce that we have just released the new version of our seismic software, RadExPro 2013.3.

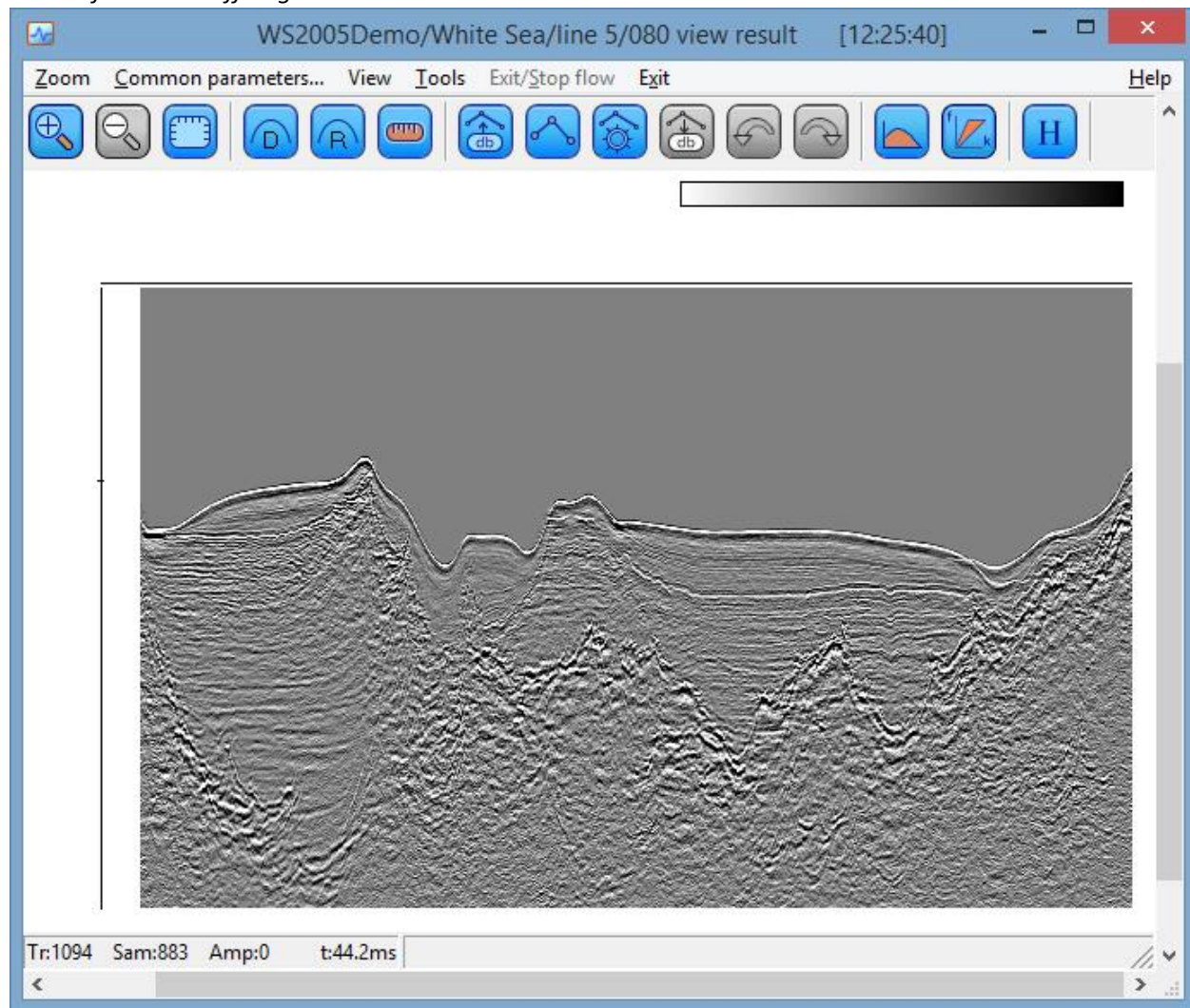
The main upgrades are as following:

- The **Kirchhoff post-stack time migration now works in 3D** as well as in 2D. Similarly, to the 2D version, the algorithm allows both vertical and lateral changes in migration velocities, that can be either taken from the database (from the output of the Interactive Velocity Analysis) or set up manually.

The same stack before...

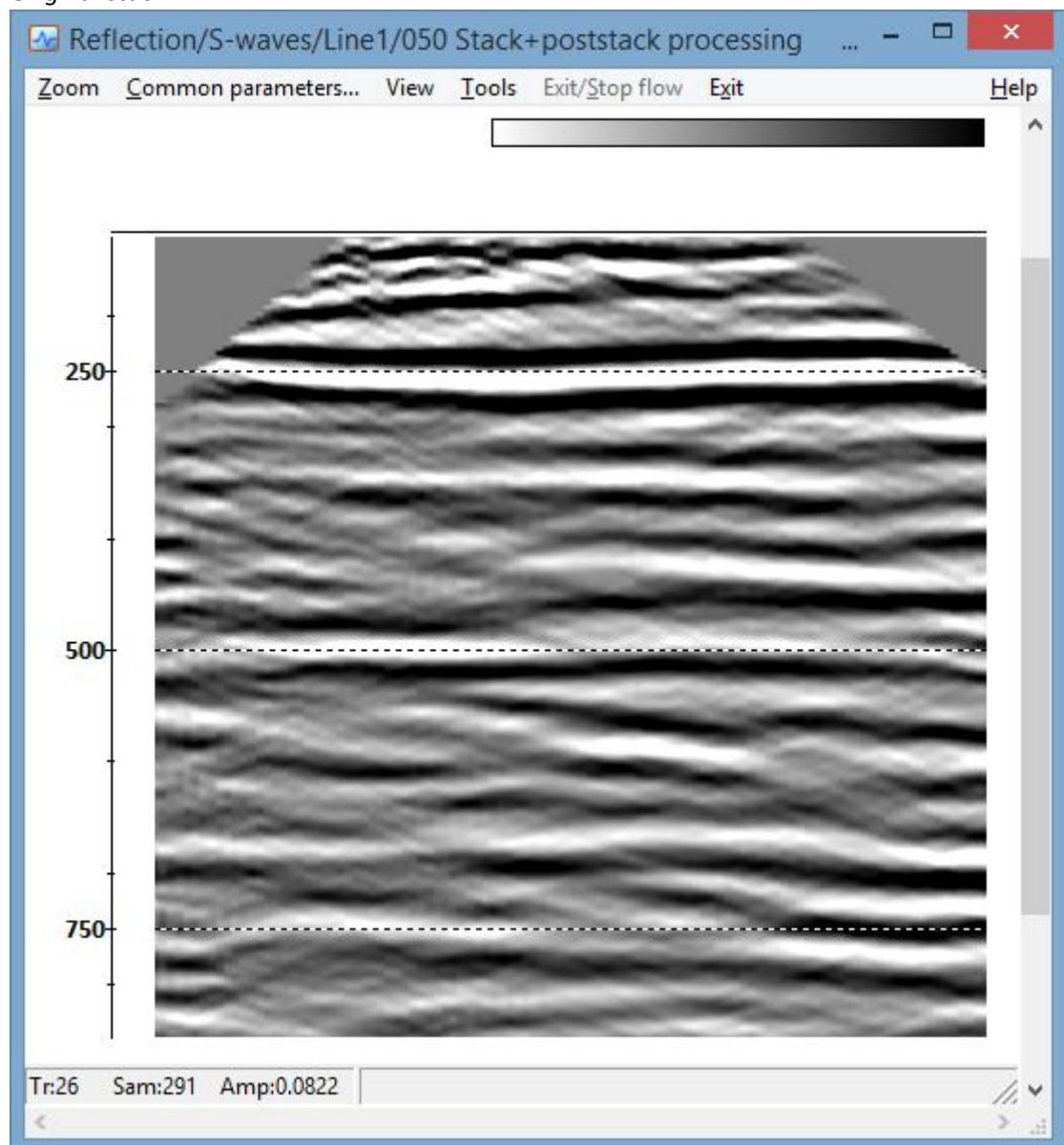


...and after Kirchhoff migration

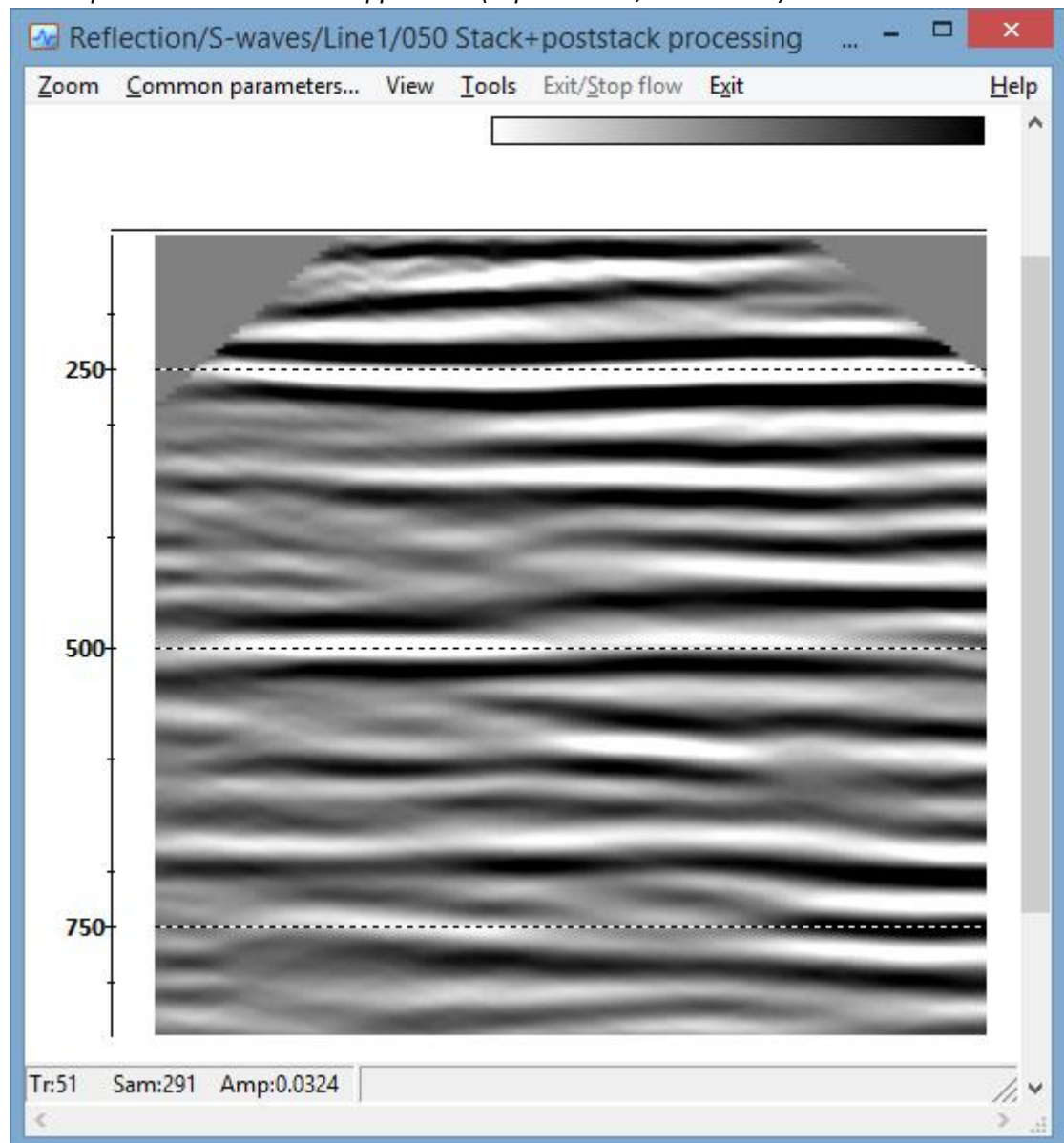


- A new module called **F-K Amplitude Power** allows raising either F-K domain or F-X domain amplitude spectrum to an arbitrary power. Depending on the exponent value and the domain it is applied, the result of the algorithm may vary from noise suppression to spectrum whitening.

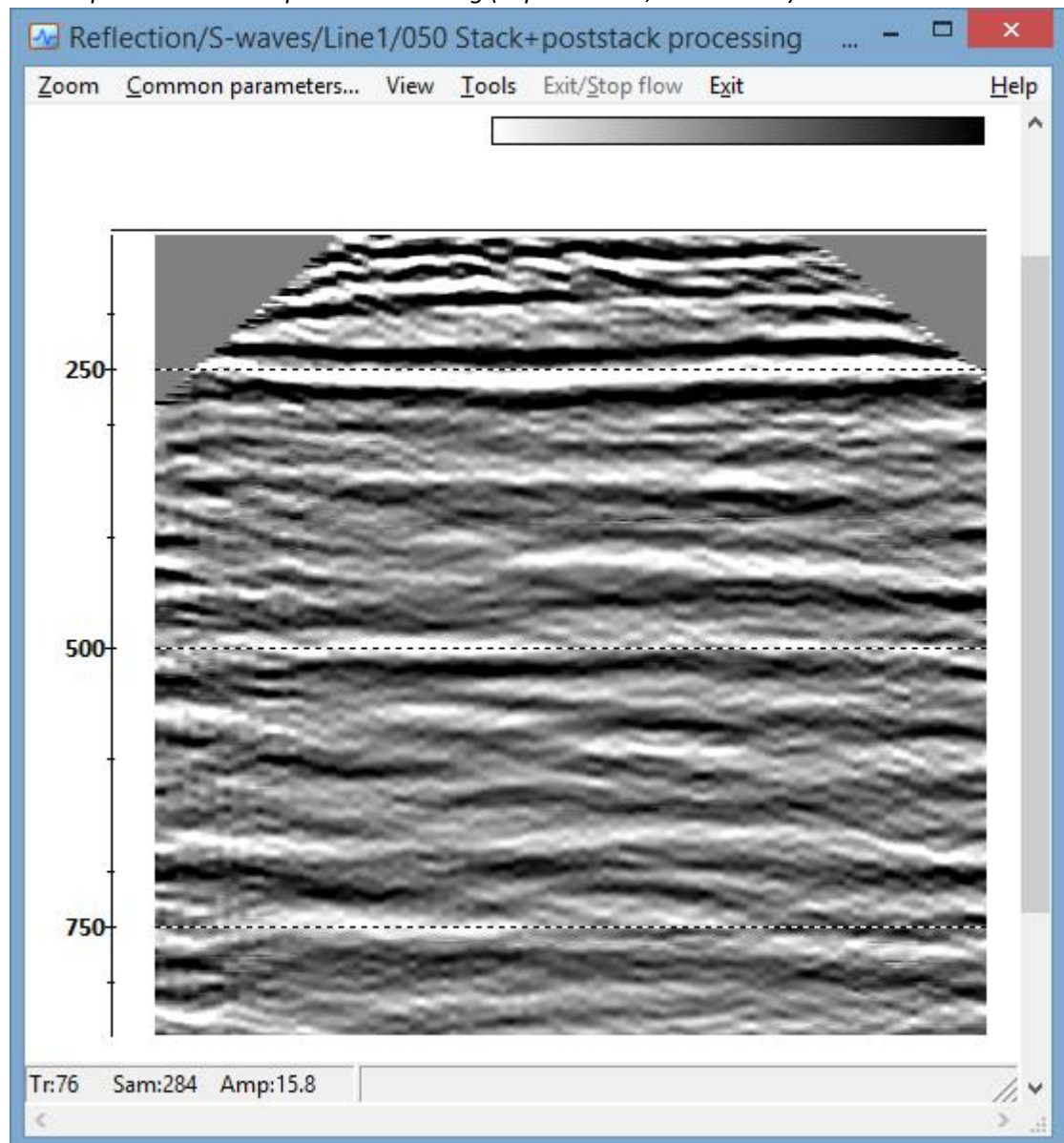
Original stack:



F-K Amplitude Power – noise suppression (exponent 1.5, F-K domain):



F-K Amplitude Power – spectral whitening (exponent 0.3, F-X domain):



- We have improved **Crooked Line 2D Binning** module – it does not require any particular sorting of the input dataset anymore and generally became more stable.
- A new option appeared in the **Marine Geometry Input** module – when the coordinates are matched to shots by time, we have added an option to interpolate coordinates between shots when the time stamps of neighboring shots are the same (i.e. when shooting interval is less than 1 second).

We have also fixed the following known issues and bugs:

- **Interactive Velocity Analysis** instability issue was fixed.
- **Easy Refraction** module – issues related to variable receiver spacing were fixed.

- **Screen Display** issue with picking parameters not restoring properly from a template was fixed.
- **SSAA** bug was fixed preventing correct peak/trough amplitude recovery.
- **Near-Surface Geometry Input** – occasional bug with CDP_X miscalculation was fixed.

Additionally, we have improved the software compatibility with the **Windows 8 touch-screen interface**.

As usual, we encourage our customers with active maintenance to contact us at support@radexpro.ru and receive the update free.