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:





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.

Tr:197 Sam:0 Amp:-1.7e-006 t:0.0ms

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



 2D F-K DMO module is available now to accurately transform NMO-corrected data to zerooffset, 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.

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	Trace Header Math Header Averager Shift Header Near-Surface Geometry Input Surface-Consistent Calibration*	Header<->Dataset Transfer Header Output Trace Header NMO/NMI Compute Line Length Crooked Line 2D Binning* 3D Gazer	—Geometry/Headers
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	DC Removal ReSample Bandpass Filtering Trace Math Transforms Power of Trace	Hilbert Transform Amplitude Correction Butterworth Filtering Remove AGC	
	2D Spatial Filtering Ensemble Equalization Spectral Shaping Radon Transforms F-X Predictive Filtering DblClirk - Module Parameters: MB2 - Toggle module:	Burst Noise Removal F-K Filter Wave Field Subtraction Radial Trace Transform Spectral Whitening Ctrl+ MB2 DblClick - Delete	

• 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 and receive the update for free.