

release notes

We wish you Happy Holidays and all the best for the New Year 2018!

And at the very same moment, we are excited to announce the last RadExPro of the year 2017 – RadExPro 2017.4 Happy Holiday Edition!

The following improvements were made:

• New modules **Trace->Velocity Table Transfer** and **Velocity Table->Trace Transfer** were added to allow conversion of database velocity tables to traces and vice versa. Traces are converted to velocity table at specified time and spatial intervals.

Trace -> Velocity Table Tr	ansfer					×
Start time 0.00	Maximum time 1000.00		Time step 50.00		Dimensions 🤇) 2D / 🖲 3D
User's grid	Start CDP 1		End CDP 1		CDP step 1	
Origin X 0.000	Cell size X 25.000	Start iline 1	0 End iline	1000 Iline st	ер 10	Load grid
Origin Y 0.000	Cell size Y 25.000	Start xline 1	0 End xline	1000 Xline st	ер 10	Save grid
Angle 0.000	degree					
Output velocity My Area\Line	1\vel0					
		OK	Cancel			

Velocity table can be converted to traces either by substituting input traces with velocity traces (velocities are interpolated and extrapolated) or by generating new traces for each velocity function (no input traces required).

Velocity Table -> Trace Transfer	×
Velocity My Area\Line 1\vel0	
Assume interval velocities	
No input trace expected. Generate new trace for each velocity function	on
Time step 1.00 Number of samples 1000	
OK Cancel	

• Velocity Manipulation module, among other things, can now interpolate output velocity to a regular grid and smooth it.

My Area\Line	e 1\vel0				
Input velocity domain		Input velocity type			
Time	O Depth	RMS	Interval	O Average	
Combine : Second input		nction with the first			
Output veloc					
My Area\Line	1\vel0smoothed		VD8		
My Area\Line		Output velocity t	ype O Interval	O Average	
My Area\Line Output ve Time	lvel0smoothed	RMS		O Average Grid options	
My Area\Line Output ve Time	l\vel0smoothed	RMS) Interval		

• Interactive QC module can now show header plots in its seismic display window



• New **3D Time Slice Input** module cuts time slices from a 3D cube, converts them into seismic traces and input to the flow. So now, you can easily view and analyze time slices in **Screen Display** or **Seismic Display**.

Dataset:	1\1\volume		
Select slices:	500-510 m		
	Note: selection	ected slices will be output in ascending order regardless of order	
Get all slices			
Output			
		O ILINE_NO	
Time axis in outpu	it slice:	XLINE_NO	
		T	
Header field for ti			



• **3D Volume Viewer** can now record videos with legend containing basic information about the current slices:



- In the **Wavefield Subtraction** module, you can now specify top and bottom tapering for each processing window individually.
- In the **MaxPower Autostatics** module, you can now select output headers where it saves calculated statics.
- SRMP Geometry Return module was modified: before all headers were copied to
 output from reference dataset. For large datasets it took significant time. While most of
 those headers were useless. Now only user selected headears + predefined set of
 headers are copied.

- F-K Filtering and Spectral Whitening modules became faster.
- We have fixed the way in which flows with **batch mode** are executed when in the **queue**. Now the next flow in the queue will wait until the current flow in the batch mode will run for all input files from the batch list. You can also select if you wish to terminate the queue on a failure of any of its flows or it can continue with the following ones.
- In **Screen Display** module, hot keys were added: when *Ensemble boundaries* are on, *Ctrl+right arrow key* scrolls to next ensemble, *Ctrl+left arrow key* scrolls to previous ensemble.
- Screen Display behavior was changed: it does not respond anymore on DELAY header field.
- A bug with random starting t0 values of Reflection Hyperbola interpolation in **Screen Display** was fixed.
- A bug leaded to significant memory leakage in **SRMP Geometry** return was fixed.

As usual, if you are on maintenance, please contact us at support@radexpro.ru and get your update for free.

PLEASE NOTE: Our office will be closed for the Russian Orthodox Christmas holidays starting from December 30 and until January 9, Monday. Meanwhile, we will be checking our emails seldom so some delays in correspondence may occur.

Yours Sincerely,

RadExPro Development Team:

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