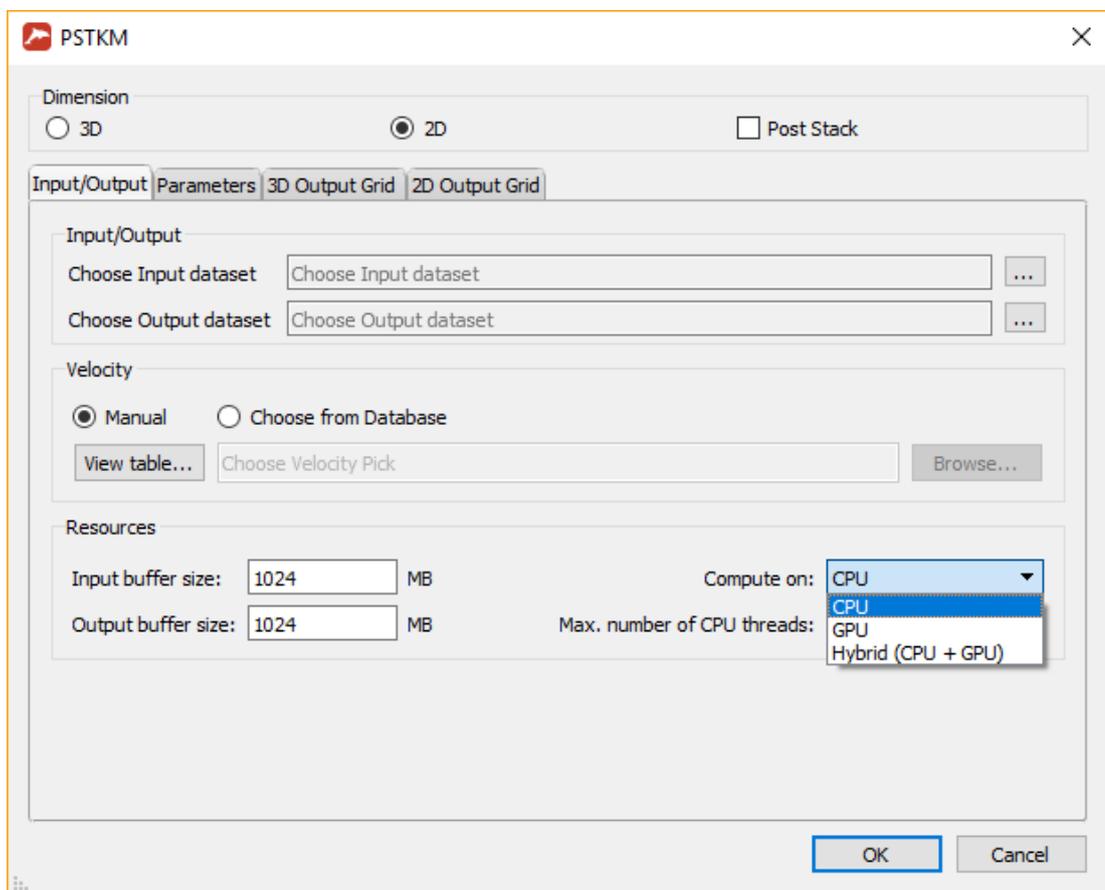


RadExPro 2018.2 release notes

We are pleased to announce the next version of our software -- **RadExPro 2018.2** is ready for release.

This version includes a number of improvements making life easier:

- **Pre/Post-Stack Kirchhoff Time Migration** can now run on GPU instead of CPU, or use both CPU and GPU to make calculations faster.

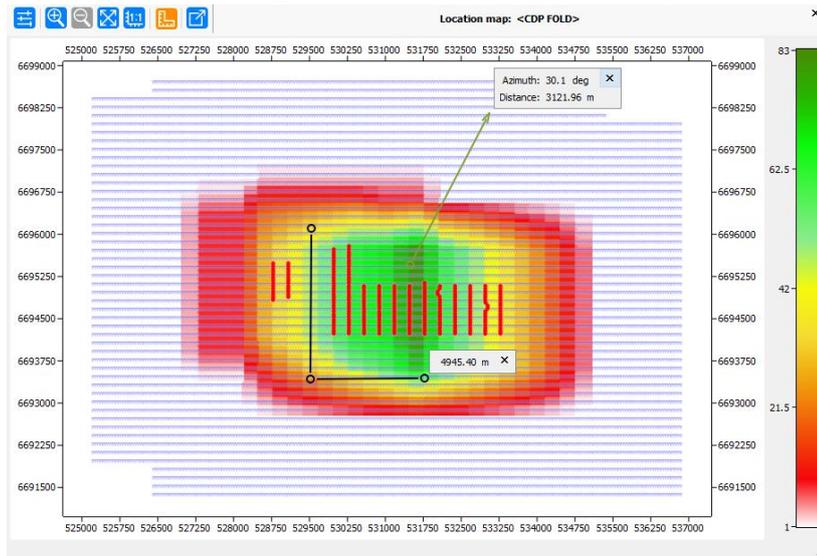


We recommend that only those GPU that are not connected to a display shall be used for calculations. The module would automatically select the most powerful GPU from those available.

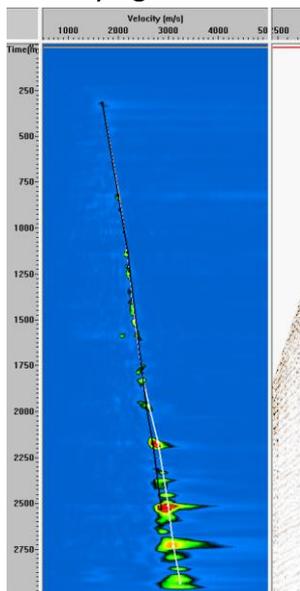
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- **SEG-D Input** module can now accept lot more input files than it used to, due to zip-algorithm that is now applied to compress the list of files.
- A new module, **Real-Time SEG-Y Input**, have been added to the **RadExPro Real-Time** configuration. In addition to SEG-D, now you can make input data for real-time QC from SEG-Y files as well.
- Maps of the **Interactive QC** module can now display 2 types of rulers. Click the  toolbar button and then use left mouse button for a multi-segment distance measurement and right mouse button for azimuth/distance measurement.



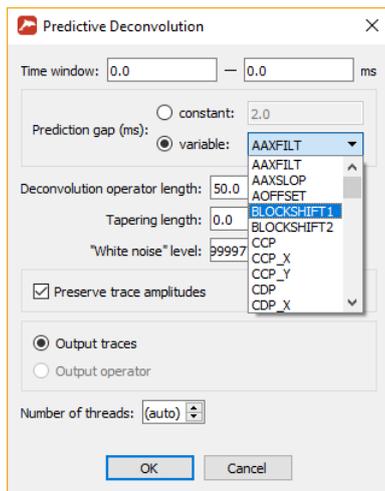
- You can now load a guide velocity function to **Interactive Velocity Analysis** module. On the figure below, black line if the current velocity function that is being edited, while the underlying white line is the guide.



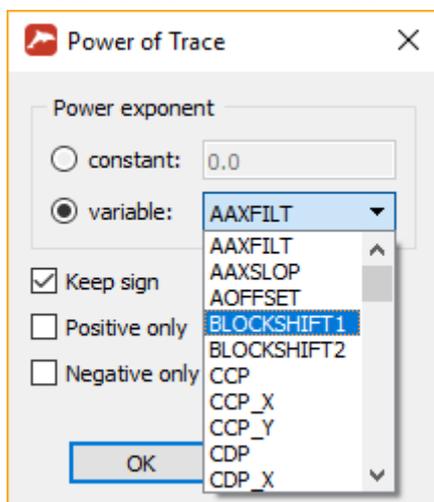
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- **Predictive Deconvolution** can now use variable gap taken from trace header.



- In **Screen Display**, you can now use →, ←, ↑ and ↓ keys for scrolling (as before, Ctrl+→/←-arrow keys can still be used for scrolling through ensembles when *Ensemble Boundaries* option is on).
- In **Amplitude Correction** module, now you can use negative values as *Time raised to power* and *Exponential correction* parameters, which gives you an easy way to remove previously applied corrections.
- **Power of Trace** can now use variable exponent taken from trace header.



- You can now **export/import Horizontal Velocity Tables (HVT) to/from text files** the same way as for conventional Velocity Tables.
- In **Database Navigator** you can now copy-paste velocity tables (both conventional and HVT), picks, replicas, boreholes and F-K polygons through the context pop-up menu.

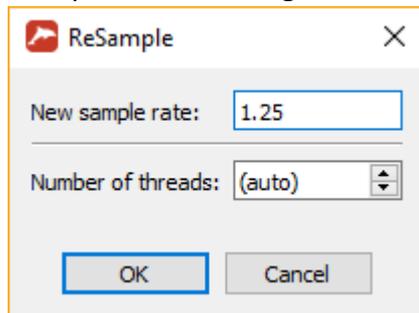
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Please note, that you should copy them from a table on the right panel but paste them to a specific level of the project tree on the left panel.

- The following additional modules were parallelized:
 1. Time Variant Amplitude Gain
 2. Apply Statics
 3. Spectral Whitening
 4. Time Variant Bandpass Filtering
 5. ReSample

Now you can explicitly indicate a number of processing threads to be used by a module in its parameter dialog:



When (auto) is selected, the number of processing threads will be made equal to the number of cores available in your CPU.

- **Horizon Manipulation** module was optimized for working with big picks and now works much faster.
- We have halted usage of **9999** as an internal **no-value** indicator for trace headers because occasionally it caused problems. From now on, in all new projects the default header no-value representation will be **-2*10⁹** which is presumably way more rare in the real life than 9999 (in old projects 9999 will be still in use for backward compatibility).
- A number of **bugs were fixed**, including the following:
 - Incorrect rounding of big integer values in exported picks – **FIXED!**
 - Poor WT/VA display in Seismic Display and QC Display modules – **FIXED!**
 - Interpolation in Velocity Manipulation module crashes with spatial step greater than 1 – **FIXED!**
 - Horizon Manipulation module divides data by ensembles regardless of pre/post-stack parameter – **FIXED!**
 - HVA module unable to load previously saved Horizon Velocity Tables – **FIXED!**

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

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