



RadExPro 2019.3 release notes

We are happy to announce the new version of our software: **RadExPro 2019.3**

- Improved **Zero-Offset Demultiple/Wavefield subtraction** modules. Now you can shift the model to the maximum cross correlation between the model trace and the data trace before any other calculations. This is aimed to improve the efficiency of the adaptive subtraction in case of strong sea swelling.

The screenshot shows the 'DeMultiple Parameters' dialog box. The 'Model shifts' section is highlighted with a red box, containing the following fields:

- Shift model?: 1 (0 or 1)
- Max shift up: 10 (samples)
- Max shift down: 10 (samples)

The 'Filter calculation step (traces)' field is also highlighted with a red box, showing a value of 10.

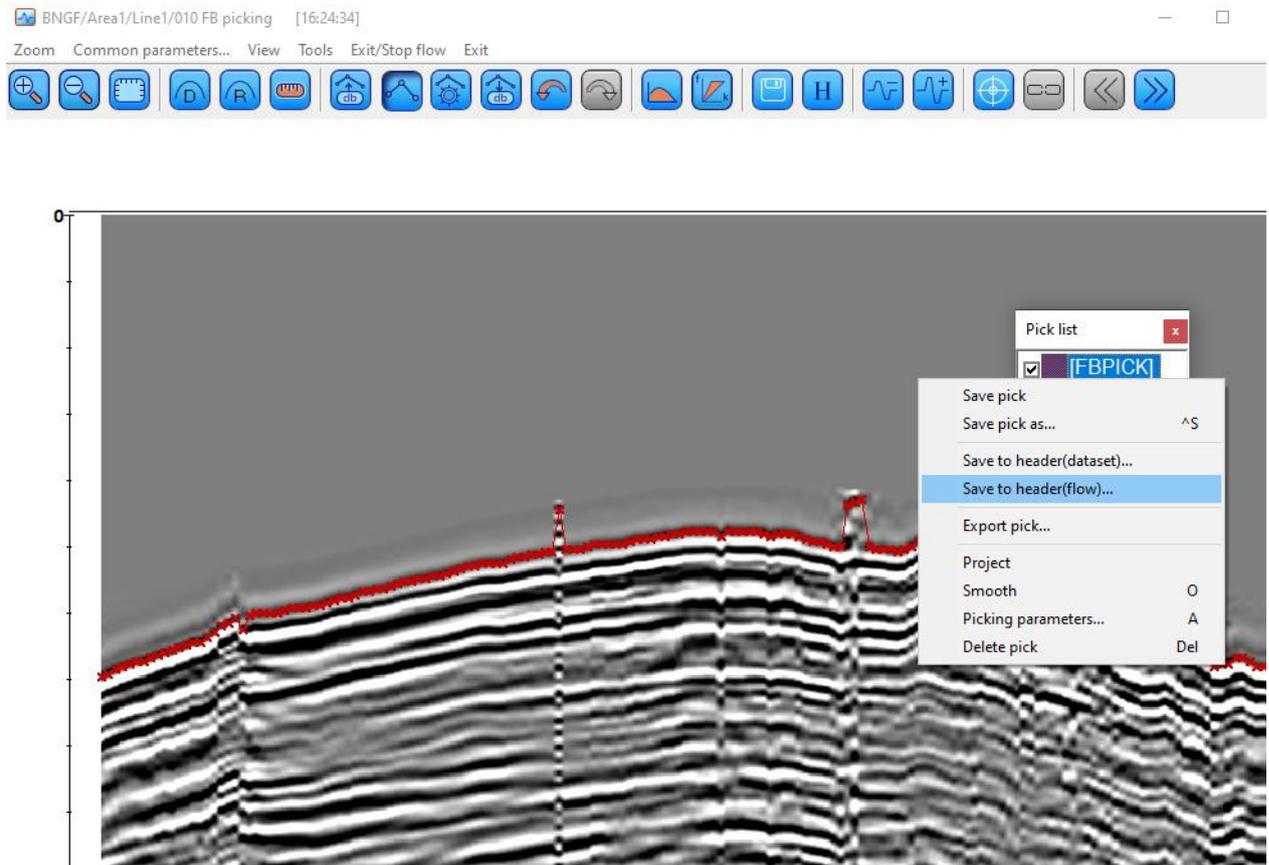
Additionally, now you can calculate the filter not for every trace but at a specified interval (must be less or equal to a half of the averaging base). The filters in between will be interpolated. This can make the calculation significantly faster.

- In **Screen Display** now, you can work with horizons in trace headers the same way as you do with picks in data base. When you load a pick from a trace header, it will stay connected with the header in the flow so that you can save it back there, without specifying a dataset. Moreover, the *Picks/polygons settings* options of *Autoload* and *Autosave* pick between frames will affect the header picks as well, so that the pick will be automatically loaded from its header as well saved back when you switch between frames.

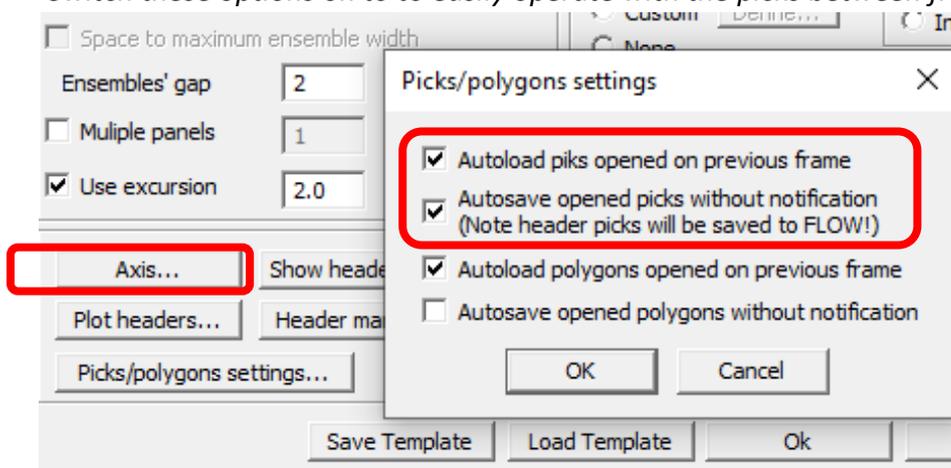
IMPORTANT! Note, that the pick edited and then saved to a *header in the flow* will NOT be automatically reflected in any dataset. So, if you plan to edit picks from headers in **Screen Display**, don't forget to use either **Header<->Dataset Transfer** or **Trace Output** after the **Screen Display** to save your changes!



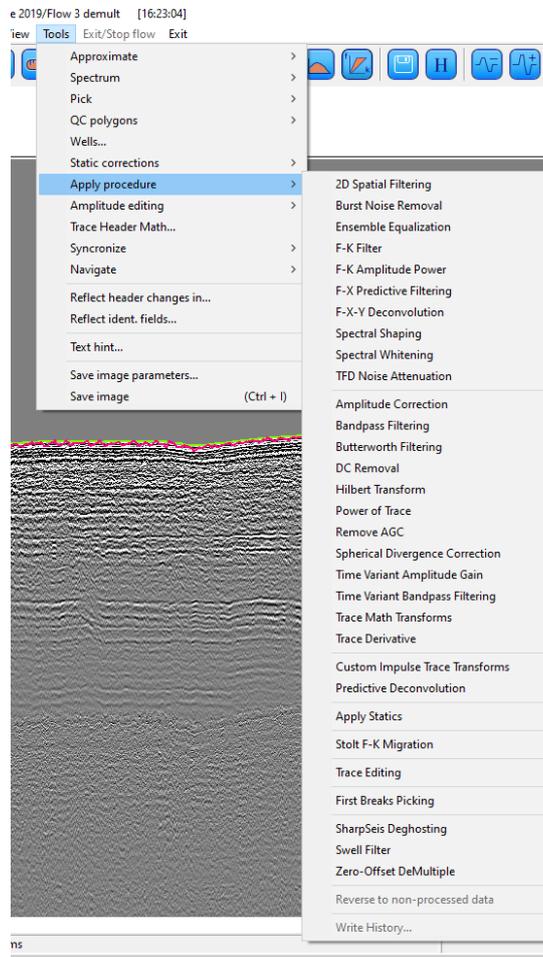
A pick loaded from a header shows its header name and can be saved back to the header in the flow:



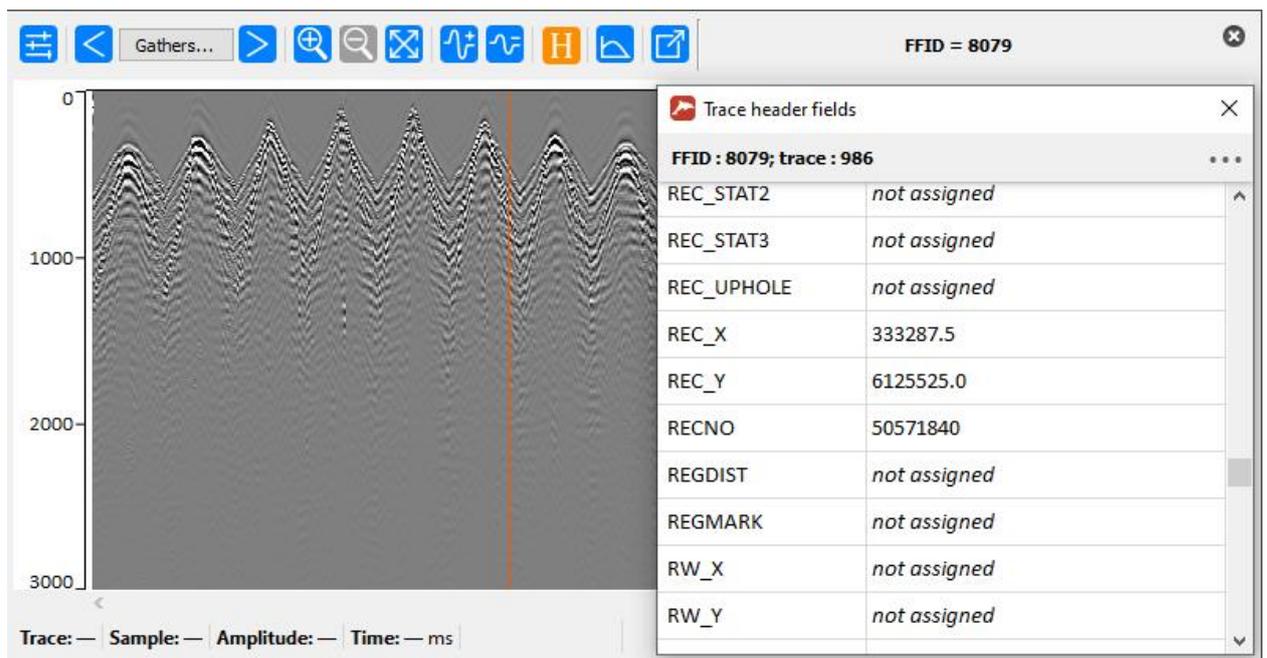
Switch these options on to to easily operate with the picks between frames:



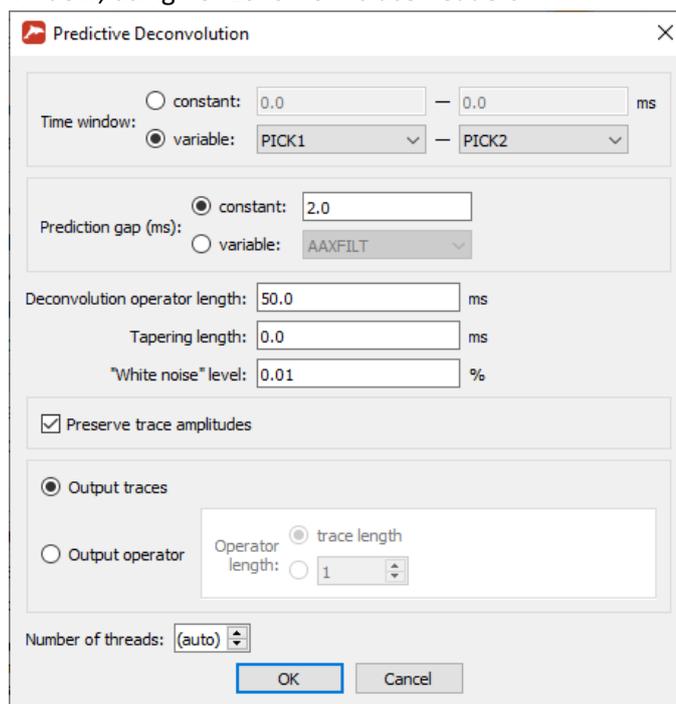
- We have added a number of modules to the list of procedures that can be applied interactively from **Screen Display**:



- Now in **Interactive QC** and **Seismic Display** modules, as well as in **QC Display** of the *Real-Time* configuration, you can view header values of any trace.



- Improved **Predictive Deconvolution**. Now you can specify non-constant operator design window, using horizons from trace headers.



- **SEG-Y Input** can now save EBCDIC textual headers as separate files to a specified folder. Then **SEG-Y Output** can load the header from a file (file names can be taken from a replica table).
- **TFD Noise Attenuation** was made significantly faster. You can also specify what type of blocks are to be processed in parallel -- either time windows or ensembles.

- **Geometry Spreadsheet** now remembers the order of columns set during the previous session.
- **Real-Time SEG-D (Rev.3) Input** is now supported in the *Real-Time* configuration.
- **HeaderNoValue** macros was added to the **Trace Header Math** module.
- **Swell Filter** module now saves the values of static shifts applied to a trace header.
- **Selection Template** can now be saved and loaded for a **Replica Table**
- Some bugs were fixed:
 - Editing of a Well crashes the software -- **FIXED!**
 - Some types of flows hang the user interface - **FIXED!**
 - Processing flows did not necessarily release memory on completion - **FIXED!**
 - F-K Filter when run interactively from the Screen Display crushes the software - **FIXED!**
 - SPS/UKOOA/Tides import may mess up layout headers after an edit of the project header list - **FIXED!**

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