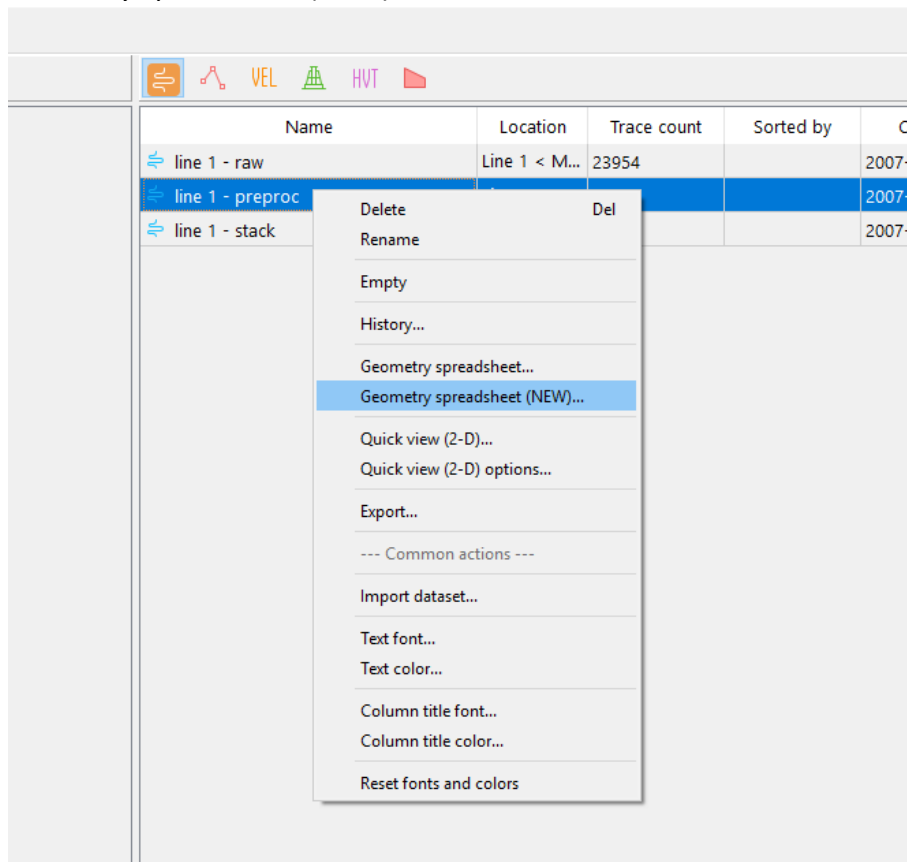# RadExPro 2017.2 release notes

We are happy to announce that our next release is ready -- meet **RadExPro 2017.2** !
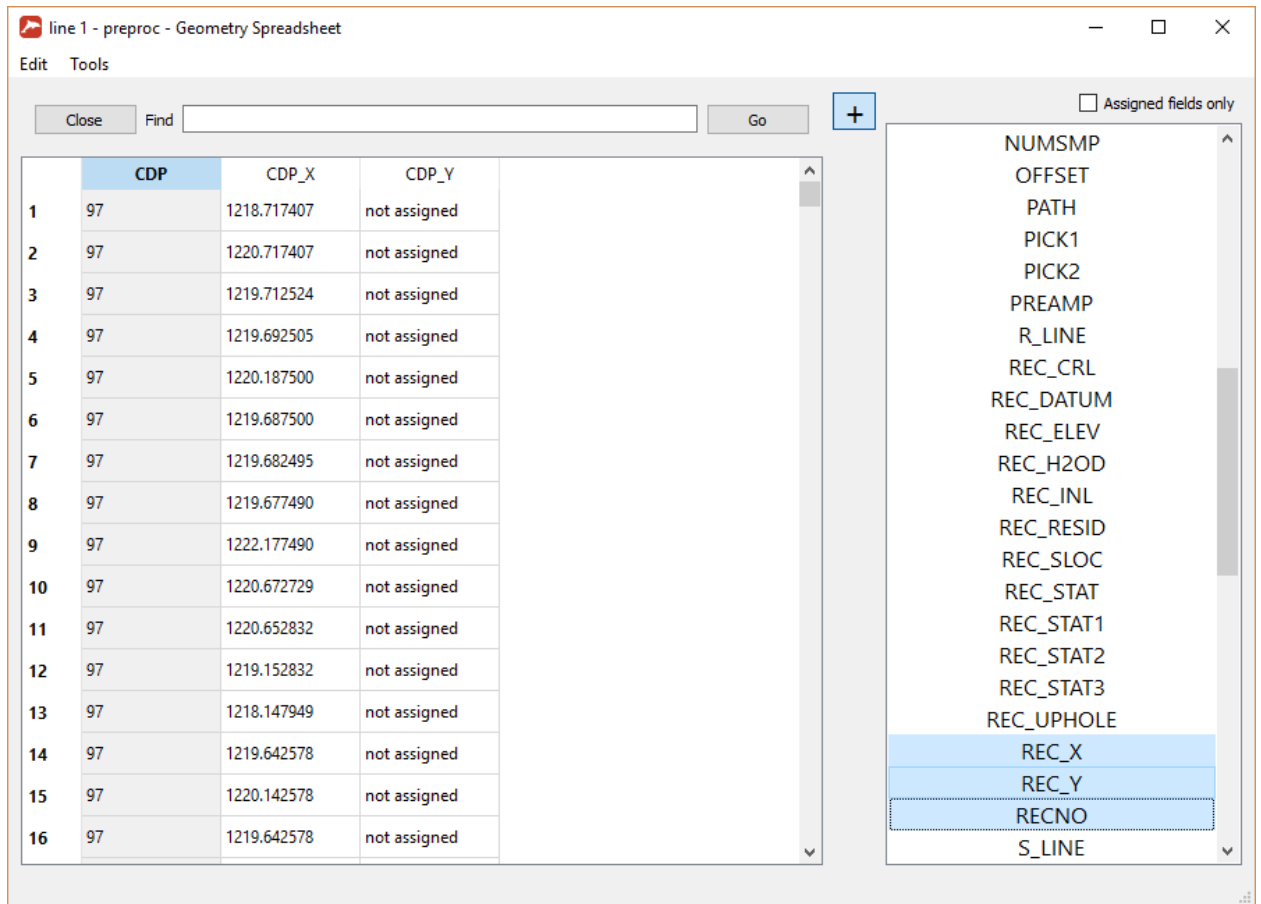
Here is the list of what is new or improved:

- One of the main novels is the brand-new **Geometry Spreadsheet** – a beta version. You can call it through the context menu of a dataset in the *Database Navigator* -- select *Geometry spreadsheet (NEW)* command.


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The **Geometry Spreadsheet (NEW)** operates much faster with big datasets, plus it offers some nice new features. You can add headers to the spreadsheet from the list on the right by drag-and-drop or double click, change positions of a column by drag and drop, there is a convenient *Find* option (Ctrl+F) that would search for a specified value with the accuracy of the significand. This allow approximate search, as shown on the figure below:
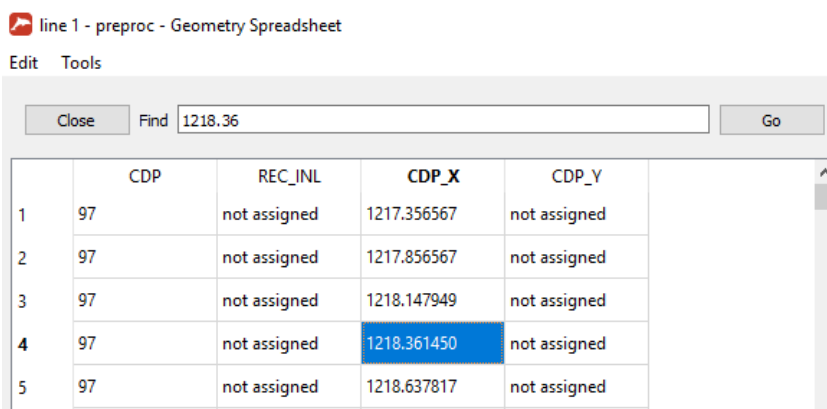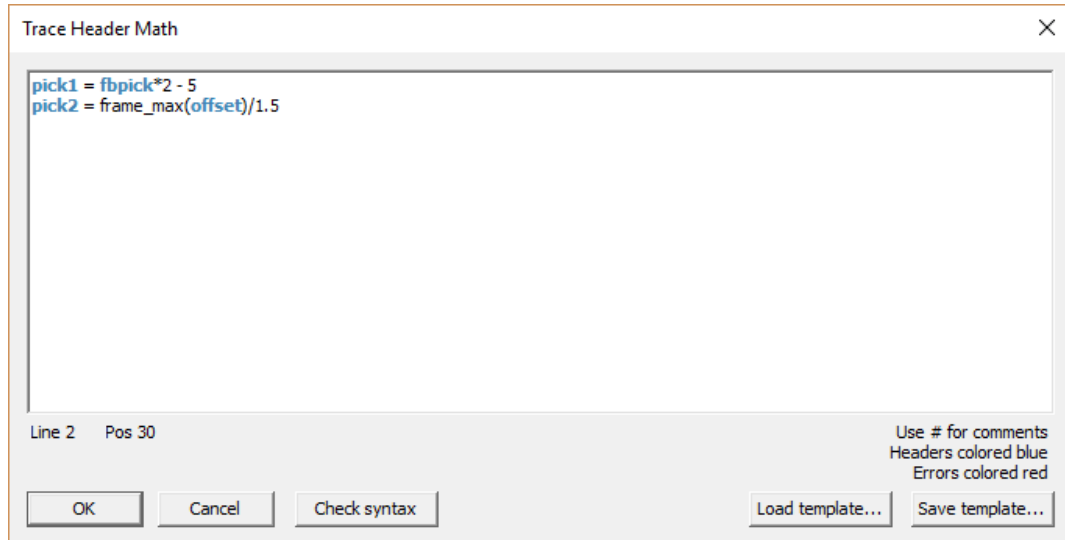
We encourage you to use the **Geometry Spreadsheet (NEW)** instead of the old one and report us any bugs and issues. The plan is that in the next release, the **Geometry Spreadsheet (NEW)** will completely substitute the old one.
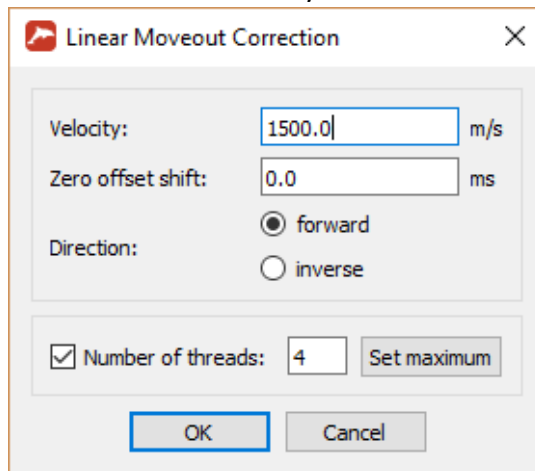
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- We have changed the syntax of **Trace Header Math** formulas and got rid of the annoying **[ ]** decorating header names. You don't need them anymore! (The old syntax still works for backward compatibility). We have also added 2 new functions: *frame_min(HEADER_NAME)* and *frame_max(HEADER_NAME)*. They return the minimum and the maximum values of a specified header within the current frame.

```
Trace Header Math                                                    ×

pick1 = fbpick*2 - 5
pick2 = frame_max(offset)/1.5




Line 2    Pos 30                                      Use # for comments
                                                      Headers colored blue
                                                      Errors colored red

  OK        Cancel      Check syntax            Load template...   Save template...
```

- Brand-new **Linear Moveout Correction** module can apply and remove LMO-corrections with a constant velocity.

```
Linear Moveout Correction                    ×

Velocity:           1500.0        m/s

Zero offset shift:  0.0           ms

                    ● forward
Direction:
                    ○ inverse

☑ Number of threads:  4    Set maximum

        OK          Cancel
```
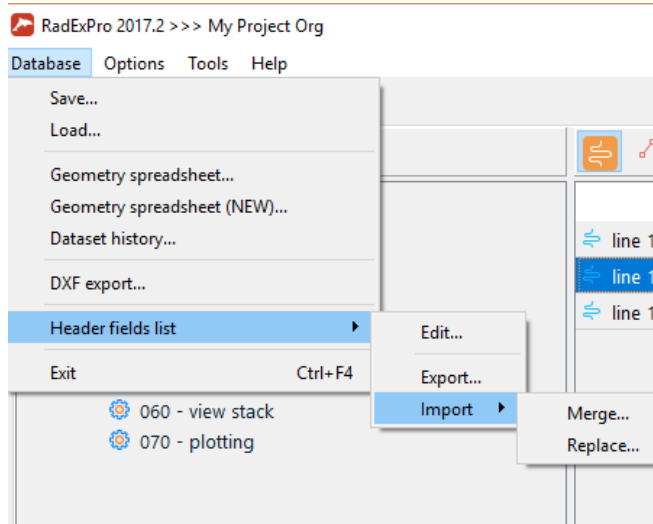
- Brand-new **2D Flex Binning** module helps to achieve regular offset distribution in case of originally not very regular 2D operations, such as multichannel marine HRS/UHRS possibly with some missed shots.

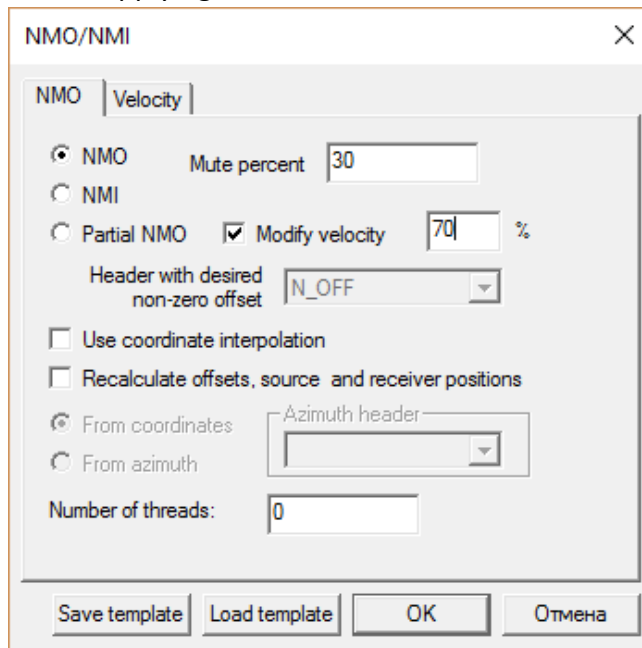**Never miss any of our news! Follow RadExPro in social media:**
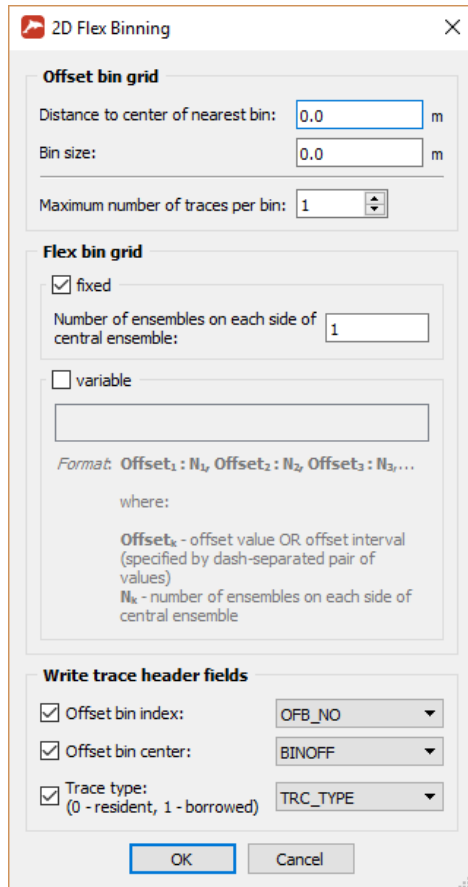
- Now it is possible to **export your list of headers and import it** to another project.
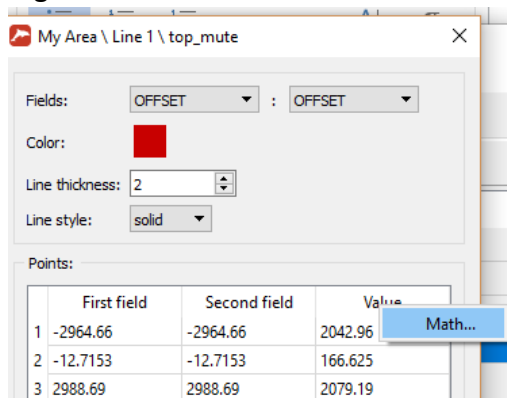

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- Now in the **NMO/NMI** module you can adjust velocity function at a specified percentage before applying NMO-correction.
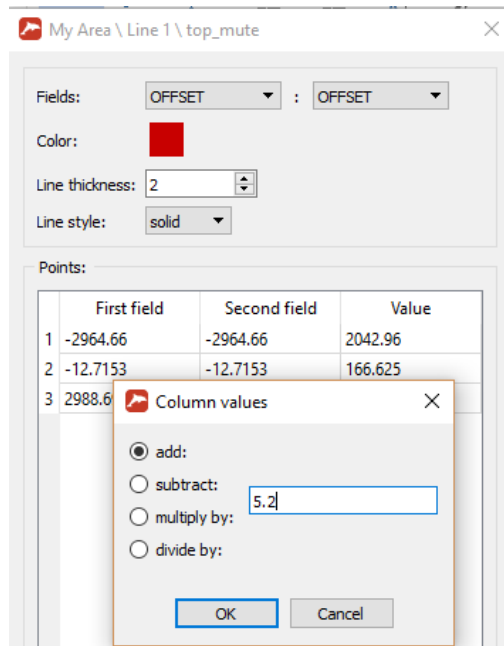

- Now you can aplly simple arithmetic operations to pick values in the **Edit pick** table. Right click of the column name and call the *Math…* dialog:
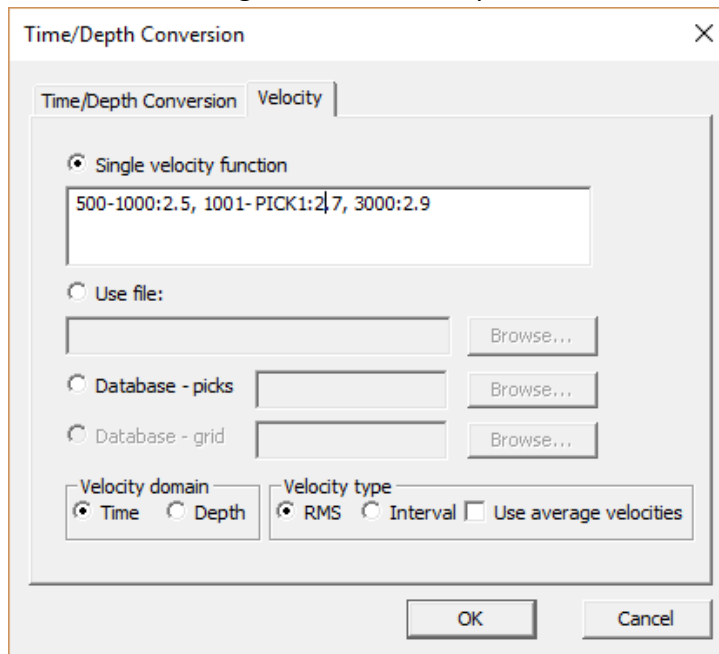

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- In **Time/Depth Conversion** module, in the *Single velocity function* field you can substitute any time value with a header name. This option makes it possible to define velocities referring to non-constant picked horizons.
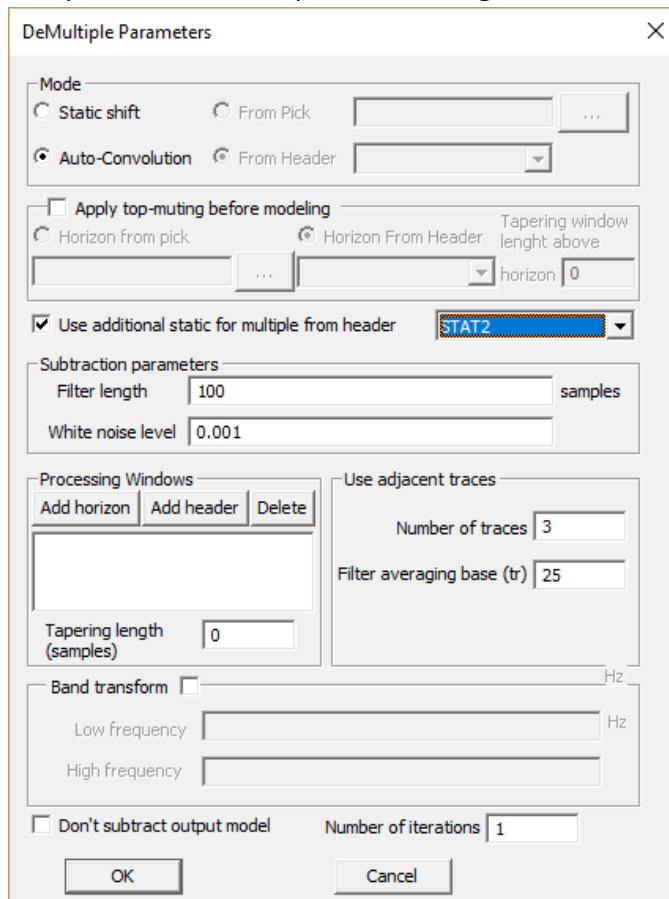

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- In **Trace Math Transforms** module, we have added an option to unwrap phase spectrum
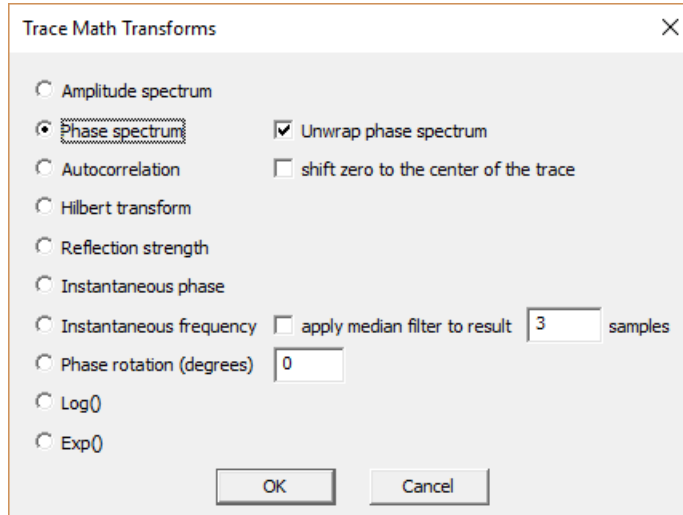
- In **Zero-Offset Demultiple** module, now you can apply additional static corrections to compensate the multiple for swelling, before subtracting the model.

- A number of bugs were fixed, including minor fixes in **Calculate Statics 3D** and **MaxPower Autostatics** modules, fixed axes orientation XYZ display in **3D Volume**

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Viewer, fixed issues with decimals in *Taper window length* in **Trace Editing** and *Time Window* in **F-X Predictive Filtering**, and some others.

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

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