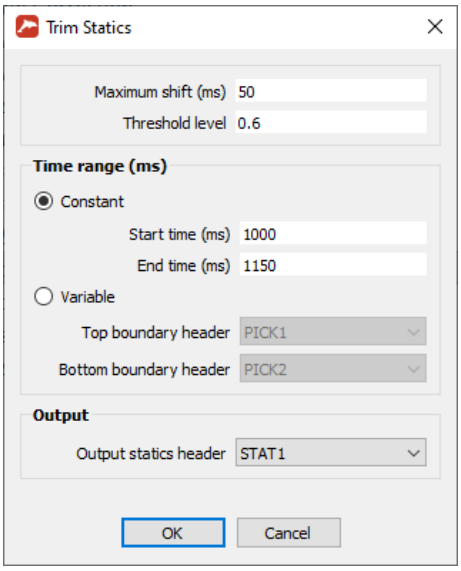
RadExPro 2020.3 release notes

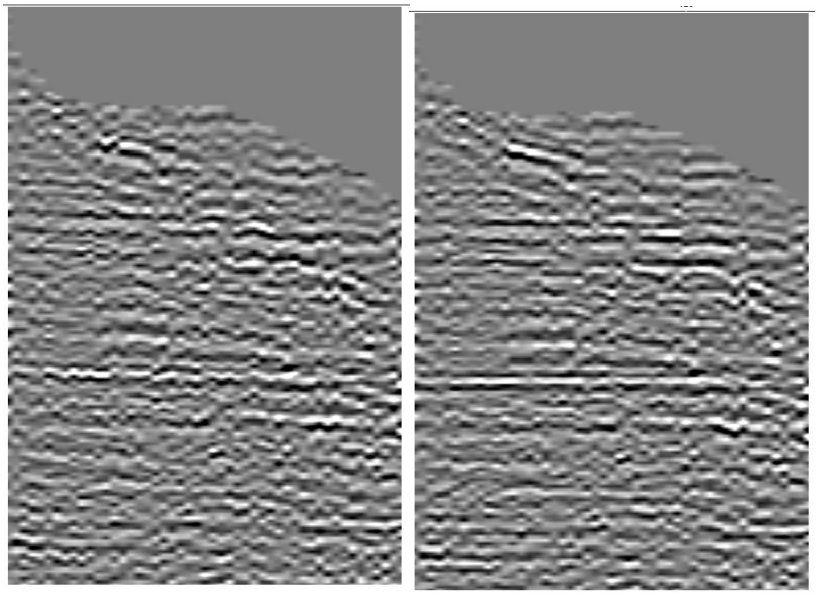
We are pleased to announce the next version of our seismic software, **RadExPro 2020.3**!

The main improvements are as following:

- New **Trim Statics** module provides a simple and straightforward way to calculate correlation static corrections within an ensemble of traces for a particular time window. Input traces shall be NMO-corrected.



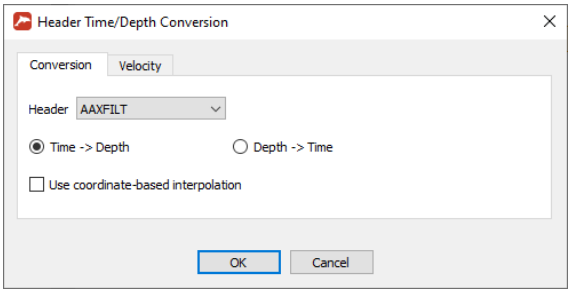
The module produces a stack trace for each ensemble and evaluates a CCF of each trace of the ensemble with the stack trace within the time window. Time of the CCF maximum is output as a static shift for each trace.

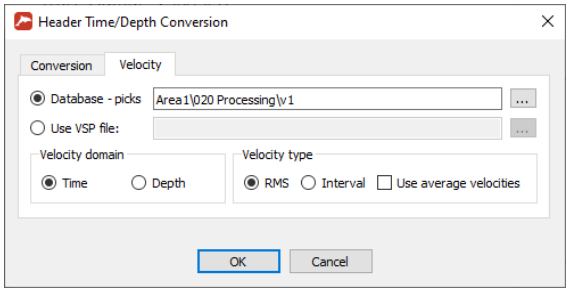


Left – original NMO-corrected CMP gather, right – the same with trim statics applied

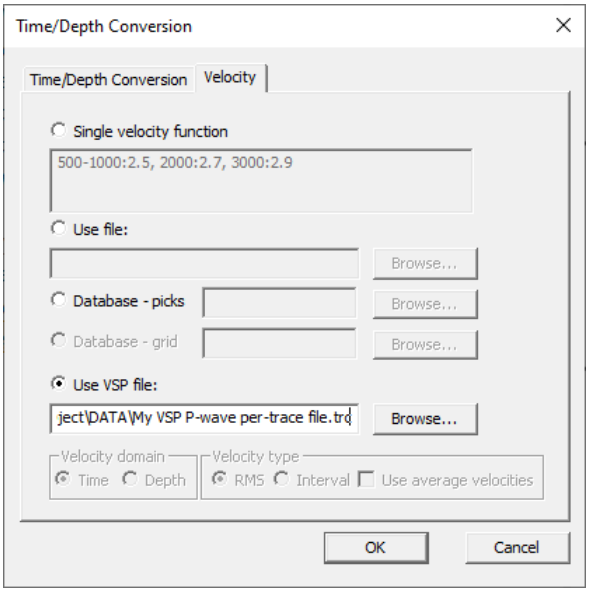
- New **Dataset Export** and **Dataset Import** modules provide i/o functionality of RadExPro datasets (*.rdx) directly from a processing flow with replica support.

- New **Header Time/Depth Conversion** module converts values in a trace header from time to depth and another way around, using a velocity model.

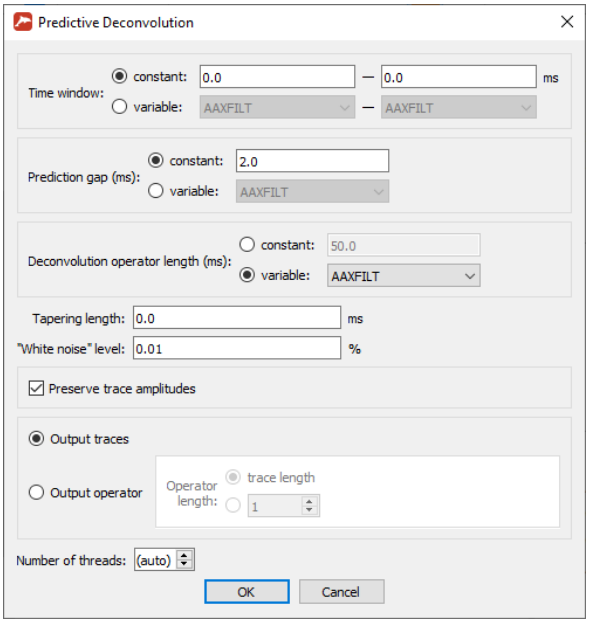




- **Time/Depth Conversion** module can now use interval velocities from VSP per-trace model file (as output from Advanced VSP display).



- **Predictive Deconvolution** module can now use variable operator length values taken from a trace header.



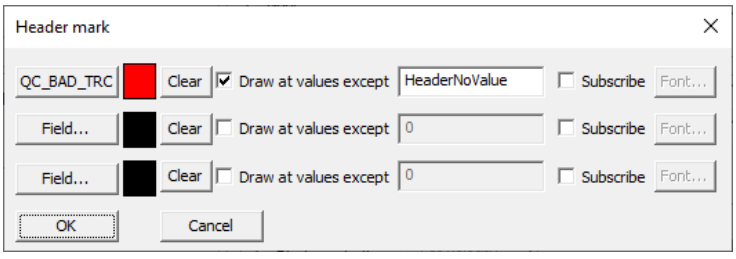
- **NMO/NMI** module, when working in framed mode, now loads velocities only once and keep them in memory between the frames. In case of large velocity tables and a big number of frames, this can notably speed up the operation.

- **Seismic Display** module now works better in framed mode. It keeps settings unchanged between the frames and, similarly to Screen Display, has **Exit/Stop flow** command in the main menu that you can use to terminate the flow without loading more frames.

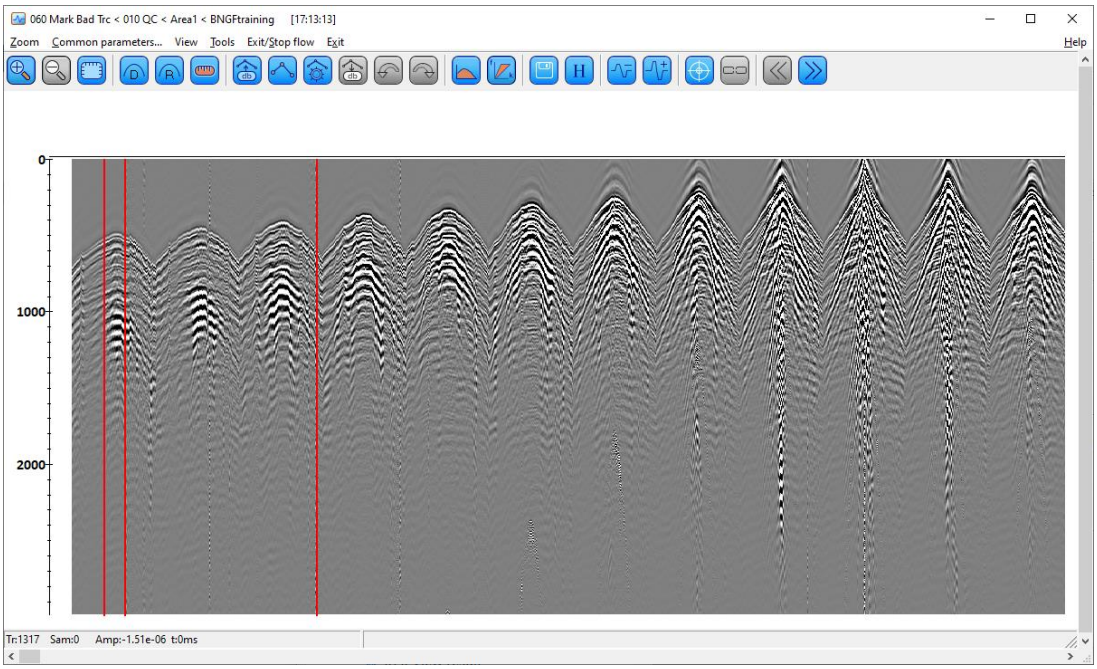
- **Quick view** dataset command of the Database Navigator now opens Seismic Display, not Screen Display.

- **Radon Transforms** module, 'Reference dataset name' parameter now supports replicas.

- Now you can user **HeaderNoValue** macros in the Header mark dialog of Screen Display.



For instance, you can use this option to highlight automatically detected bad traces.



- Now when you delete the last node of a pick (or header pick) in **Screen Display**, the empty pick itself in not automatically removed from the pick list.

- From now on, all new projects will have only one integer type of trace headers – **Int32**. Old projects remain unchanged and work normally.

- Some issues were fixed:
  - VSP Geometry Dialog drops header settings when a new dataset is selected -- **FIXED!**
  - First Breaks Picking in some cases produce invalid values - **FIXED!**
  - Trace Input has an issue when reading datasets over 250 million traces - **FIXED!**
  - When all traces are zero padded, Seismic Display, QC Viewer, Interactive QC and Interactive Refraction Statics paint them white instead of the correct color from the selected palette. **- FIXED!**
  - Instantaneous frequency in Trace Math Transforms module are calculated incorrectly **- FIXED!**

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