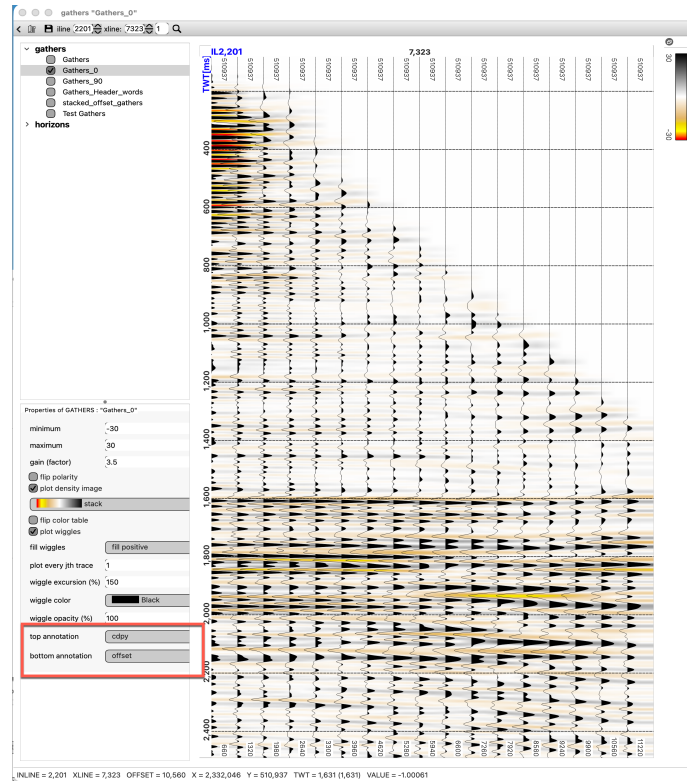


Updates 26_12

Seismic Explorer Version 2.7.4.1

New Annotations in the Stack, Cross-Section and Gather Viewers

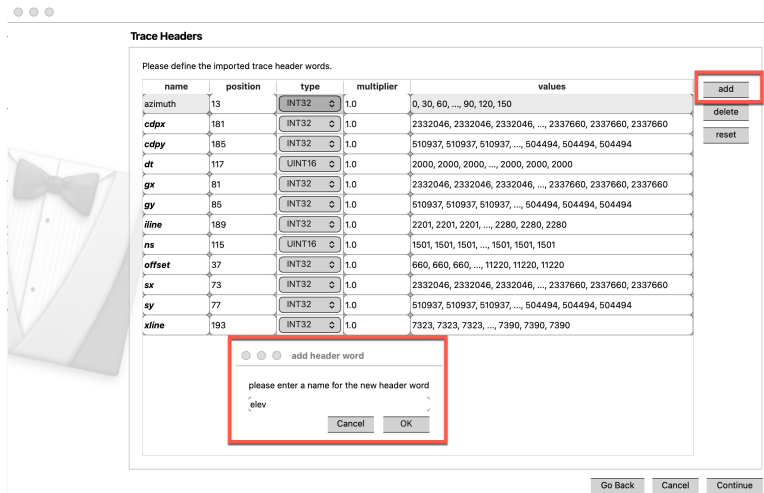
In these viewers when you highlight the data volume, you will be able to add annotations from the header word list to both the top and bottom of the viewers. Here is a gather with cdpj locations along the top and offsets along the bottom as annotations.



SEG Y Import Header Words

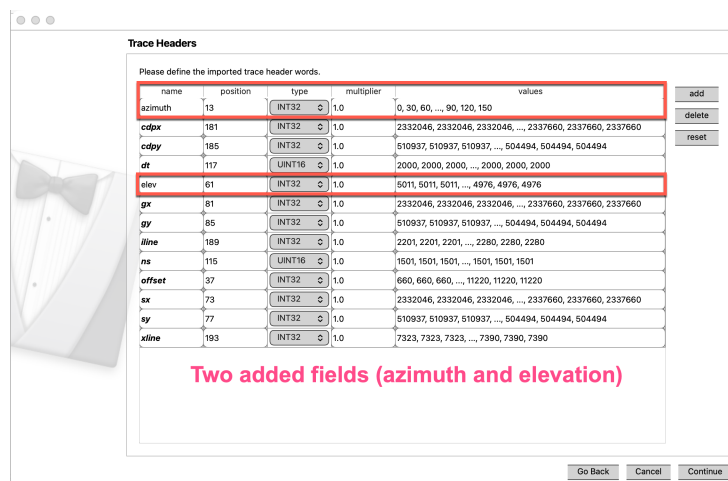
In the Seismic Import Wizard, if the page with the Trace Headers doesn't populate, just change something on the page and it should populate.

Now when importing SEG Y data (stacks or gathers), one can now add additional header words by clicking on the 'add' button, adding a name for the header word, and updating the proper location and format for the header word. See the example below.

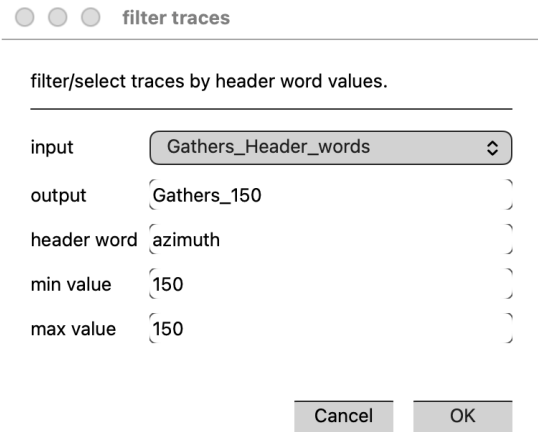


There are number of header words with useful information that processors sometimes indicate the locations of in the EBCDIC header (or you can look at the headers and try and guess what the processor was doing).

There is now an option to 'filter traces'. In the above example, the gather was 'filtered' (sorted) by going to 'processing' and choosing 'filter traces'. See the example below where the header words for azimuth of the source-receiver and the ground elevation of the cdp have been added. The above gather is for all the traces with an azimuth of 0 degrees (i.e., the azimuth from source to receiver or vice versa is a bearing of 0 degrees). Thus, with this data set which has traces with azimuths of 0, 30, 60, 90, 120 and 150, one can generate 5 different gather volumes and then compute AVO and other attributes for those azimuthally-sorted gather volumes. Note that you ask the processor for azimuths varying by 30 degrees, then 5 azimuths is enough since 0 and 180 degrees are the same as are the other options.



Here is the dialog box for 'filter traces'. This setup uses gathers imported with additional header words and chooses those traces with an azimuth of 150 degrees. The result of the 'filter' (sorting) is a new set of gathers with all of the traces now having an azimuth of 150 degrees from source to receiver (or receiver to source). One can then compute attributes for the new data volume. By computing different gather sets, one can then compare the attributes for the different gather sets.



Points Importing and Polygon Clearing

Polygon clearing has now been added for points as for horizons, shapefiles, and wells.

The previous polygon clearing bug on import has now been fixed.