

GeoThrust V4.3 Release Notes

(Release Date: July 26, 2022)

GeoThrust Version 4.3 has the following new features and improvements from Version 4.2:

GEOM

Allow user to input Receiver Point Index Increment when importing RPS files (or calculate automatically)

Allow user to Repair FFIDs when duplicates are present

Added z bin for Building Unique ID from XY dialog

Added ability to display 2D/3D geometry map from SPS or UKOOA files

PREP

When Importing segy files and building index files, the progress will now be shown

FSCALING: new module to calculate Frequency-Dependent Surface-Consistent Scaling

SCSCALE: added new option to calculate offset term when applying Surface-Consistent Scaling

TOMO

Added ability to identify shot ID from shot misfit plot

2DVIEWM

Added ability to identify shot and receiver ID from geometry plot

3DSTATS

Added option to calculate Frequency-Dependent Stack Power Residual Statics

RMSVEL

Many enhancements to the 3D H-mode velocity picking tools were added, such as: Added more options for displaying strands; ability to import 3D ascii strands in to 2D plot; export velocities to ASCII file; import layers from ASCII; Create Grid Interval Velocity and overlay; added option to import and Shift strands in to current window; added option to convert the cross-points (intersections) to strands

Fixed bug to extract the datum from the segy trace header for the gather correction

VTCUBE

Improved capability to run on job scheduler

PSTM

Improved capability to run on job scheduler

PSDM

Improved capability to run on job scheduler

POSTP

Added Structural Filter (SOSE)

Utility

Improved functionality with Job Scheduler

Improved SEGD converter to Segy to handle SEGD 8048 and 8015 format

SEGD converter has more error-checking and error-handling for corrupted SEGD files, and more options for building IDs.

Now supports Slurm job scheduler