

GeoThrust V3.4 Release Notes

(April 30, 2018)

GeoThrust Version 3.4 has the following new features and improvements from Version 3.3:

Utility

Added more functionality to Multiply SEGY Files Utility (can now add, subtract, multiply or divide SEGY files)

Improved SEGD to SEGY converter

PICKER

Improved tool to Edit Picks from Stacking Traces (from Shot and Receiver Stacks)

TTIME

Utility to Decimate the travelttime file will now only keep 1 trace if there are repeated traces with the same receiver ID in a shot

PREP

BINFLEX: Added more options: User can now completely regularize the fold and/or fill empty bins without dropping any traces from the original CMP.

CORRELATION: Added more options for sweep correlation (use Input Channel, specify Operator Length, zero time, output trace length)

DESPIKE: Added a new option to scale down the spike noise based on a moving average

QCOMP: New module to apply time-variant Q-compensation

PHASEMATCH: New module to determine phase rotation required to match dataset(s) to a reference dataset

RADONFILT: New module to apply Radon operator to the v-t panels of stkcube volume or demig volume as part of the i-cube workflow

TOMO

Fixed problem at air boundary when running 2d travelttime tomography with apriori constraint

VIEWM

Fixed a bug that used the air velocity when regriding a 2D/3D model

Fixed a bug in “Copy and Shift Layer” utility

RMSVEL

Added New Module of 3D Horizon Mode Picking; this allows the geophysicist to perform velocity analysis for 3D volumes in both X and Y dimensions simultaneously

DEMIG

Added option for DEMIG for VTCUBE to run across multiple cores

VELMOD

Fixed Segy to .3mdl converter

OTHER

In Survey Map, added a utility to create a 3D grid velocity model from multiple 2D lines

In Survey Map, added a utility to create a 3D Traveltime file from multiple 2D lines