

# GeoThrust V4.4 Release Notes

(Release Date: October 26, 2023)

*GeoThrust Version 4.4 has the following new features and improvements from Version 4.3:*

## GEOM

Added option to manually edit a portion of the Line Traverse  
Added option to build Line Traverse from CMP

## STATS

Added option to use .gdb file when restoring original coordinates to statics file  
Added option to output the mean or Remove Statics Mean

## PREP

Fixed a bug when using Snap in FBVIB module  
Several improvements to FXDIP: added an option to output the noise removed; fixed bug at zero-offset; added an option to ignore offset gaps  
Fixed bug in SCSCALE when time window is longer than the trace length  
Modified POWEROUT to restore the zero-values  
Modified HANA to restore zero-values and allow to handle traces with zero values  
Added option to MIXING to output noise  
Added option to FXSIGNAL to output noise  
MUTEBOUND added option to save Mute and Fold to headers  
**NEW:** Under Utility: Added **5D Interpolation** to perform 3D, 4D, or 5D Interpolation

## 3DVIEWM

Added more options to Build 3D Model from Well Logs

## RMSVEL

Many enhancements to 3D H-mode as shown below:  
Added option to shift a strand or all strands by specified time  
Added a warning before deleting a strand  
Added Help pop-up for description of the icons and mouse-picking controls  
Added option to import layers in seconds or ms

Added a warning if a layer already exists;  
Added Final Datum input box when Importing 3Top file;  
Removed value < 0 limitation;  
Remember previous session layout  
Added option to replace existing line when picking strand  
Added more information labels  
Added option to import/view Time-Velocity curve from Ascii file (ie. from well log)

### **VTCUBE**

Set Trace Header bytes 89-90 to 1 for measurement units of length  
Modified STKCUBE to change default offset interval from  $4 \cdot DX$  spacing to  $DX/4$  ; this improves the mute function for very shallow section

### **PSTM**

Set Trace Header bytes 89-90 to 1 for measurement units of length

### **POSTP**

Simplified Structural Filter (SOSE) interface and enhanced for 2D implementation  
Allow SOSE to run on another node instead of local node

### **Utility**

Display Segy Trace improve amplitude spectrum display  
Display Inline/Xline Segy improved: show inline/xline numbering; fixed a time slice bug; now easier to save images; and added ability to overlay seismic with a model