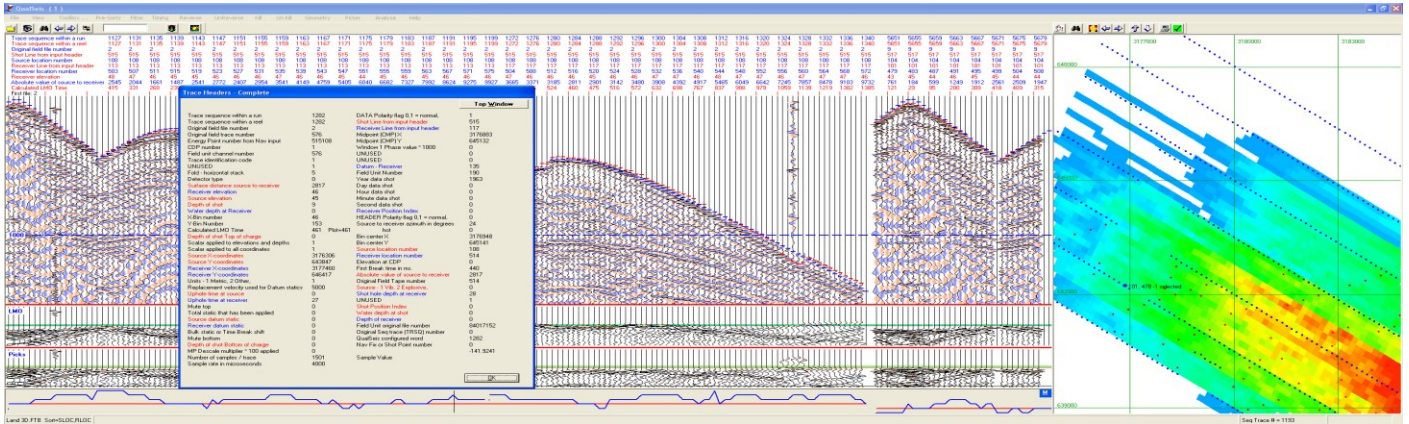


QualSeis™ 2D/3D Seismic Data Analysis, Reformat & Geometry QC System

Accurate Post Acquisition Positioning & Reformatting - Field or Processing Center



Edit/QC data in SegD, SegY, AutoSeis Y, RT SegY or Fairfield 'Z' from tape, disk, or network

Examine Data using screen display & check for quality and obvious gross problems

Automatic first break picks on input, or on demand with Picker QC.

QC/Analysis & Verify Positioning automatically or manually check shot or receiver positions via the interactive map utilizing "Live LMO"

Verify Coverage by computing binning statistics and display coverage plots

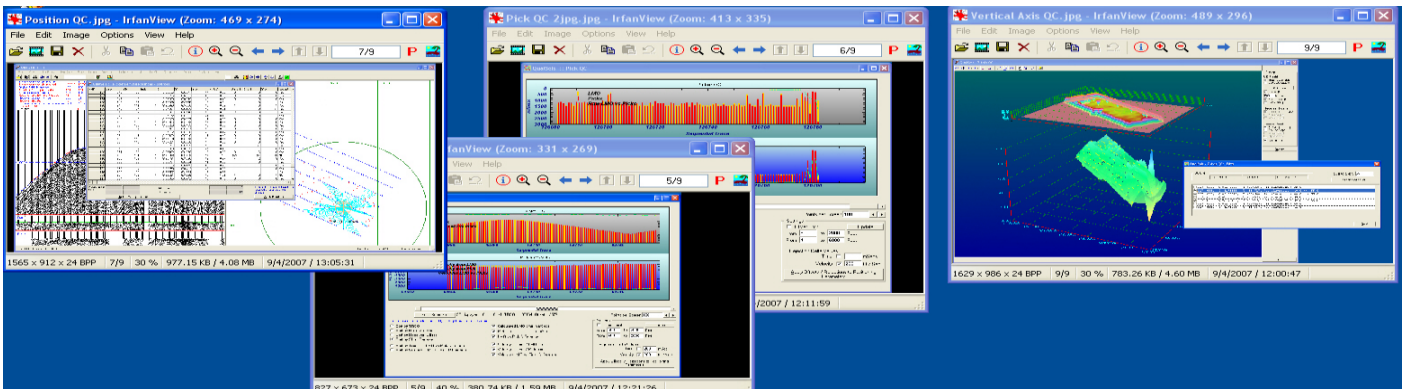
Interactive Vertical Axis QC and Correction utilizing graphical 3D surface displays for elevation and uphole times, etc. Overlay maps as Geotiff, jpeg, DXF files.

Interactive Display - map to traces & traces to map - with zoom, amplitude and phase spectra, compare records, sample tracker

Geodetic Transformations and Conversions (e.g. apply GPS vib positions to data in local grid)

QC Brute Stacks – select arbitrary lines to stack

Vibroseis Tools including correlation, vertical stacks. Map Vibroseis attributes such as drive level, phase, distortion, force, viscosity and stiffness from field system outputs.



Key Points:

- Select local areas for initial positioning velocity calculations
- Real time QC / monitor & reformat selections for AutoSeis, RT and Z systems
- Positioning files from alternate systems can be input and displayed as map overlays
- Geometry from any input, such as Seg P1, SPS, Excel XLS or User Defined Input, can apply values to trace headers or SPS datasets
- Standard and non-standard SegD, SegY or other header words can be remapped to any SegY header position on input or output
- Edit in any format – Output in Seg Standard SegD or SegY
- Output SegD or SegY shots from receiver gather inputs – perform XYZ orientation on 3 component sensors
- Extract traces from continuous datasets based on Time Zero inputs
- Sort / output on any header word, or combination of header words
- Zero “No Permit” areas in field or processed data sets

Resample Datasets: Correctly resample any SegY dataset down to ¼ mSec or less if required using proprietary modified Akima spline / cubic spline technology. Our resampling algorithm is particularly true and digitally ‘quiet’ at the smaller sample intervals.

Other Features: Header edits, statics, filters, semblance velocity analysis and NMO, data subset extractions from field or processed data sets, binning/stack, plot to any OS supported device.

Facts & Figures: The program is fully multi-threaded and will take advantage of all available processors in multi-processor machines. Limitations on dataset size – virtually none! Imposed only by available disk space – a single dataset may cross disk boundaries, operating system boundaries, or expand out to network storage. QualSeis™ will utilize any tape device that is available to the operating system SCSI bus (also fiber adapters) – it requires no special drivers other than the drive manufacturer supplied driver.

Currently available for Windows 7 and above.

System Hardware Requirements

Windows 7 and above – with all current Updates installed.
- appropriate SCSI, fiber or SAS interfaces as required



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