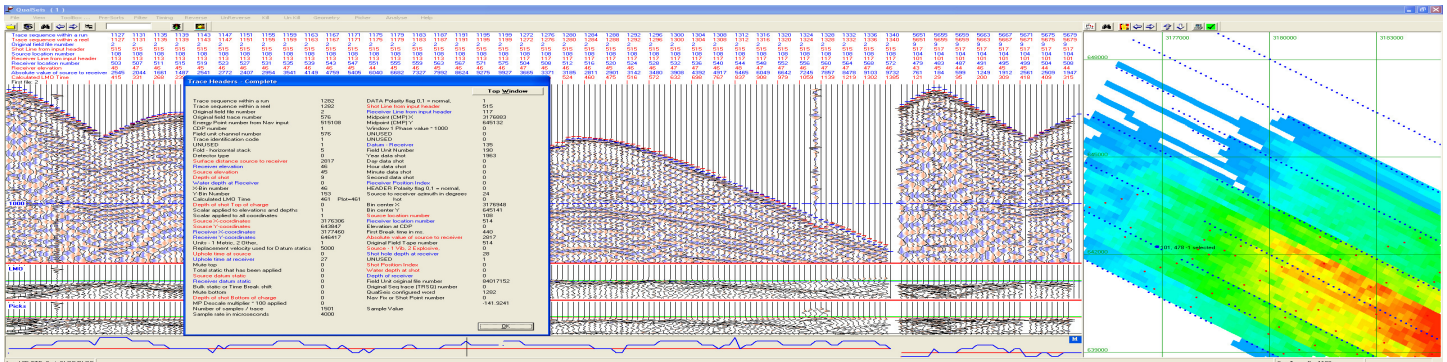


Accurate Post Acquisition Positioning & Reformatting In the Field, or In Processing



Edit/QC data in SegD, Fairfield 'Z' or SegY from tape, disc, or USB memory stick

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

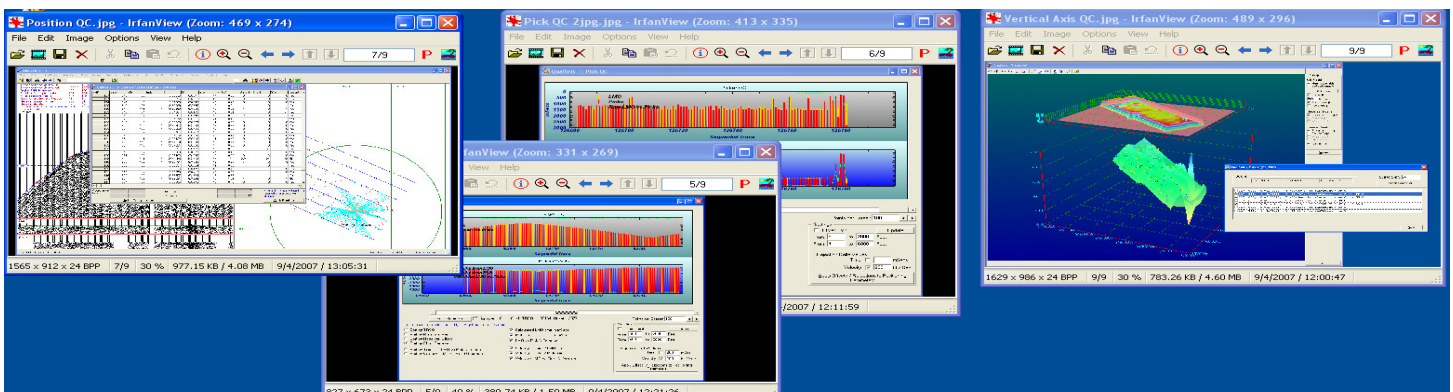
Interactive Vertical Axis QC and Correction utilizing graphical 3D surface displays for elevation and uphole times, etc. Overlay maps as Geotiff, jpeg, DXF files.

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



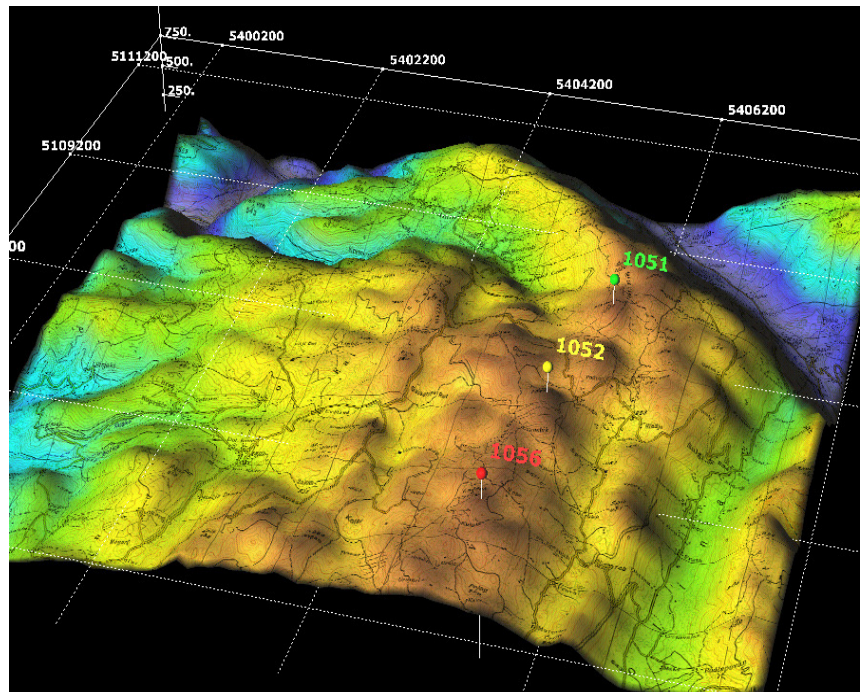
Key Points:

- Positioning calculations utilize only input ranges balanced both in distance and azimuth
- 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
- SegD or Fairfield Z header words can be remapped to any SegY header position on input or output
- Edit in SegD or SegY – Output in SegD or SegY
- Output SegD shots from receiver gather inputs – perform XYZ orientation on 3 component sensors
- Sort on any header word, or combination of header words
- Zero “No Permit” areas in field or processed data sets

Other Features: Header edits, statics, filters, semblance velocity analysis and NMO, data subset extractions from field or processed data sets, binning/stack, post-stack migration and plotting.

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 Windows operating system SCSI bus (also fiber adapters) – it requires no special drivers other than the drive manufacturer supplied driver.

3D Map Combination Display



System Hardware Requirements
Capable Intel based PC Workstation
with appropriate SCSI cards,
disk space, and display



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