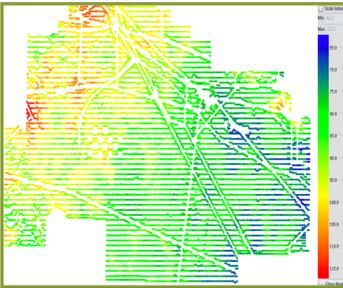


FLATIRONS™ Integrated Software

Key Features and Benefits

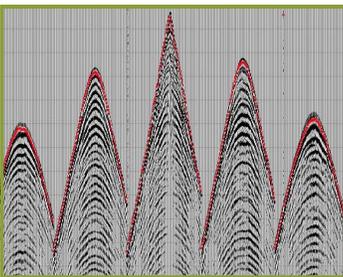


Geometry quality control

Geometry Quality Control

Verify correct geometry and solve errors in shot and receiver locations with geometry analysis that utilizes first break patterns.

- Import geometry from industry standard formats
- Use visualization and statistical analysis tools to analyze errors
- Correct issues that can affect later seismic data processing steps



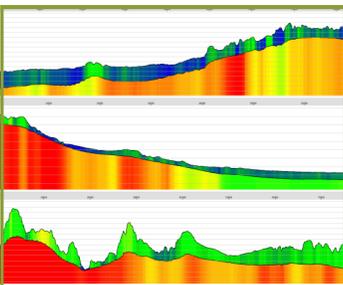
Single record pick window

First Break Picking and Analysis

Streamline this time-consuming step in the workflow without sacrificing accuracy with powerful first break picking techniques. Automatic algorithms work in conjunction with model solutions.

- Threshold-based picking
- Amplitude onset
- Pick predicting routine

Manual picking tools give the user complete control with Multi-pane Displays useful for 2D surveys or Common Offset / Shot / Receiver / CMP Displays.



Model profiles

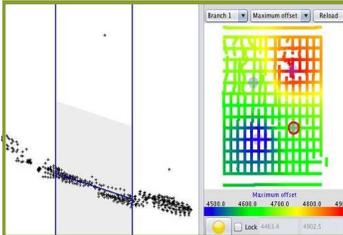
Statics Solutions — Multiple Ways to Solve the Challenge

Solve near-surface modeling challenges with FLATIRONS™ multiple methods. Each unique method has distinctive strengths to address data variability and near-surface characteristics. Developed by industry pioneers in the art and science of refraction analysis, each FLATIRONS™ solution represents a fundamental and innovative approach refined by years of experience in solving a wide range of near-surface problems.

- Delay-time layer-based model
- 3D Eikonal tomography
- Layered tomography
- 2D-specific algorithms

Optimized Refraction Modeling

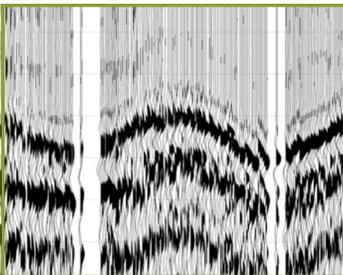
Each technique provides critical interactivity to help you make essential decisions and optimize interpretive steps. Interactive tools assist with refractor selection, weathering velocity, refractor smoothing, statics computation and datum selection.



Refractor assignment

Review the Solution from Every Angle

We've added visualization for solution comparisons with corrected data in multiple perspective views. Designed for 2D or 3D data, the enhanced ability to review the statics solution helps you quickly understand and interpret results so you can move through the seismic data workflow with confidence. This QC includes the ability to generate CMP-stacks along any user-defined profiles pulled from a 3D volume.

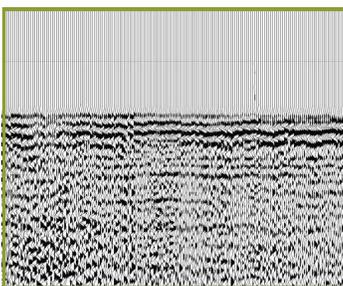


Refractor anisotropy

Anisotropy a Problem?

FLATIRONS™ uses a model-free approach to correct anisotropy regardless of origin. The sine wave behavior could be caused by anisotropy in refractor velocity, the layers above the refractor or by near surface geology, or a combination.

The FLATIRONS™ technique removes the effects, insuring that subsequent processing steps are more accurate.



Results applied to receiver stack profile

The Final Step—Exporting Results

A simple export feature incorporates results into your seismic processing workflow. Guarantee the success of important subsequent data processing steps with a solid foundation — accurate geometry and an optimum refraction statics solution.

FLATIRONS™ delivers competitive pricing and high value.

Get the most out of your seismic data assets!