

SPSPro

SPSPro is a Windows based program which provides interactive graphical and numerical quality appraisal of data recorded in the Shell Processing Support format (SPS), the most commonly used format for recording land and OBS seismic positioning data.

QC Features

- Format checking.
- File integrity checking.
- Mapping of source and receiver positions by type and index.
- Interactive mapping of active spread.
- Acquisition replay.
- Attribute mapping (static correction, point depth, seismic datum, uphole time, water depth and surface elevation).
- Comparisons with other datasets e.g.: preplot; external QC.
- Time series plots of source and receiver lines for all point attributes.
- Acceptance tests against user defined criteria.
- Various interactive graphical selection modes for viewing point attribute data and point comparisons.

Utilities

- Editing.
- File splitting and consolidation.
- Sorting.
- Search and replace.
- Arithmetic functions.
- Receiver bathymetry interpolation from source bathymetry.
- Bathymetry interpolation from XYZ file.
- Receiver position interpolation.
- Header prefixing.
- Merging lines to handle partial reshoots, re-lays and cable movement.
- Automatic indexing of source points based on time stamps.
- Convert to ESRI Shapefile.
- SPS <=> P1/90 conversion.
- Split file by line name.
- Split file by index.
- Add/remove headers